

Realis ITS

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DatexII 3.3 profile realisparking-3.0

DATEXII_3_CommonExtension

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Schema Document Properties

Target Namespace	http://datex2.eu/schema/3/commonExtension
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.
Schema Composition	• This schema imports schema(s) from the following namespace(s): ◦ http://datex2.eu/schema/3/trafficRegulation (at DATEXII_3_TrafficRegulation.xsd) ◦ http://datex2.eu/schema/3/common (at DATEXII_3_Common.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
tro	http://datex2.eu/schema/3/trafficRegulation
com	http://datex2.eu/schema/3/common
comx	http://datex2.eu/schema/3/commonExtension

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/commonExtension">
  <xs:import namespace="http://datex2.eu/schema/3/trafficRegulation"
    schemaLocation="DATEXII_3_TrafficRegulation.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
  ...
</xs:schema>
```

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Global Definitions

Complex Type: AgeCharacteristic

Super-types:	None
Sub-types:	None

Name	AgeCharacteristic
Abstract	no
Documentation	Characteristics depending on vehicle age

XML Instance Representation

```
<...>
  <comx:comparisonOperator> com:ComparisonOperatorEnum </comx:comparisonOperator> [1] ?
  <comx:yearOfFirstRegistration> com:Year </comx:yearOfFirstRegistration> [1] ?
  <comx:_ageCharacteristicExtension> com:ExtensionType </comx:_ageCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AgeCharacteristic">
  <xs:sequence>
    <xs:element name="comparisonOperator" type="com:ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="yearOfFirstRegistration" type="com:Year" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_ageCharacteristicExtension" type="com:ExtensionType" minOccurs="0"/>
  
```

```
</xs:sequence>
</xs:complexType>
```

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Complex Type: **DangerousGoodsExtended**

Super-types: None
Sub-types: None

Name DangerousGoodsExtended
Abstract no
Documentation Extension of dangerous goods class.

XML Instance Representation

```
<...>
  <comx:adrClassValue> comx:ADRCClass </comx:adrClassValue> [0..13] ?
</...>
```

Schema Component Representation

```
<xs:complexType name="DangerousGoodsExtended">
  <xs:sequence>
    <xs:element name="adrClassValue" type="comx:ADRCClass" minOccurs="0" maxOccurs="13"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **DayWeekMonthExtended**

Super-types: None
Sub-types: None

Name DayWeekMonthExtended
Abstract no
Documentation Extension of class DayWeekMonth.

XML Instance Representation

```
<...>
  <comx:applicableDaysWithinMonth> comx:_ApplicableDaysWithinMonthEnum </comx:applicableDaysWithinMonth> [1] ?
</...>
```

Schema Component Representation

```
<xs:complexType name="DayWeekMonthExtended">
  <xs:sequence>
    <xs:element name="applicableDaysWithinMonth" type="comx:_ApplicableDaysWithinMonthEnum" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **EmissionsExtension**

Super-types: None
Sub-types: None

Name EmissionsExtension
Abstract no
Documentation An extension for the Emissions class to provide a comparison operator.

XML Instance Representation

```
<...>
  <comx:comparisonOperator> com:_ComparisonOperatorEnum </comx:comparisonOperator> [1] ?
</...>
```

Schema Component Representation

```
<xs:complexType name="EmissionsExtension">
  <xs:sequence>
    <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **EnginePowerCharacteristics**

Super-types: None
Sub-types: None

Name EnginePowerCharacteristics

Abstract	no
Documentation	Characteristics of the engine power of a vehicle.

XML Instance Representation

```
<...>
  <comx:comparisonOperator> com:_ComparisonOperatorEnum </comx:comparisonOperator> [1] ?
  <comx:enginePower> com:Float </comx:enginePower> [1] ?
  <comx:unitOfMeasure> comx:_PowerUnitOfMeasureEnum </comx:unitOfMeasure> [1] ?
  <comx:_enginePowerCharacteristicsExtension> com:_ExtensionType </comx:_enginePowerCharacteristicsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="EnginePowerCharacteristics">
  <xs:sequence>
    <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="enginePower" type="com:Float" minOccurs="1" maxOccurs="1"/>
    <xs:element name="unitOfMeasure" type="comx:_PowerUnitOfMeasureEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_enginePowerCharacteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: FuzzyPeriod

Super-types:	None
Sub-types:	None

Name	FuzzyPeriod
Abstract	no
Documentation	Class for fuzzy periods of a day.

XML Instance Representation

```
<...>
  <comx:beginOrDuration> comx:_FuzzyTimeEnum </comx:beginOrDuration> [0..1] ?
  <comx:endOrDuration> comx:_FuzzyTimeEnum </comx:endOrDuration> [0..1] ?
  <comx:_fuzzyPeriodExtension> com:_ExtensionType </comx:_fuzzyPeriodExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="FuzzyPeriod">
  <xs:sequence>
    <xs:element name="beginOrDuration" type="comx:_FuzzyTimeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="endOrDuration" type="comx:_FuzzyTimeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_fuzzyPeriodExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: GrossTrailerWeightCharacteristics

Super-types:	None
Sub-types:	None

Name	GrossTrailerWeightCharacteristics
Abstract	no
Documentation	Gross weight characteristic of a trailer of a vehicle.

XML Instance Representation

```
<...>
  <comx:comparisonOperator> com:_ComparisonOperatorEnum </comx:comparisonOperator> [1] ?
  <comx:grossTrailerWeight> com:Tonnes </comx:grossTrailerWeight> [1] ?
  <comx:typeOfWeight> com:_WeightTypeEnum </comx:typeOfWeight> [1] ?
  <comx:_grossTrailerWeightCharacteristicsExtension> com:_ExtensionType
</comx:_grossTrailerWeightCharacteristicsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="GrossTrailerWeightCharacteristics">
  <xs:sequence>
    <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="grossTrailerWeight" type="com:Tonnes" minOccurs="1" maxOccurs="1"/>
    <xs:element name="typeOfWeight" type="com:_WeightTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_grossTrailerWeightCharacteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: PeriodExtended

Super-types:	None
Sub-types:	None

Name	PeriodExtended
Abstract	no
Documentation	Extension class for Period.

XML Instance Representation

```
<...>
  <comx:fuzzyPeriod> comx:FuzzyPeriod </comx:fuzzyPeriod> [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="PeriodExtended">
  <xs:sequence>
    <xs:element name="fuzzyPeriod" type="comx:FuzzyPeriod" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **RegulatedCharacteristics**

Super-types:	None
Sub-types:	None

Name	RegulatedCharacteristics
Abstract	no
Documentation	characteristics as defined in EU and or national regulations

XML Instance Representation

```
<...>
  <comx:euVehicleCategory> comx:EuVehicleCategoryEnum </comx:euVehicleCategory> [0..*] ?
  <comx:euSpecialPurposeVehicle> comx:EuSpecialPurposeVehicleEnum </comx:euSpecialPurposeVehicle> [0..1] ?
  <comx:nationalSpecialPurposeVehicle> com:MultilingualString </comx:nationalSpecialPurposeVehicle> [0..1] ?
  <comx:_regulatedCharacteristicsExtension> com:_ExtensionType </comx:_regulatedCharacteristicsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RegulatedCharacteristics">
  <xs:sequence>
    <xs:element name="euVehicleCategory" type="comx:EuVehicleCategoryEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="euSpecialPurposeVehicle" type="comx:EuSpecialPurposeVehicleEnum" minOccurs="0"
      maxOccurs="1"/>
    <xs:element name="nationalSpecialPurposeVehicle" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_regulatedCharacteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **TrailerCharacteristics**

Super-types:	None
Sub-types:	None

Name	TrailerCharacteristics
Abstract	no
Documentation	The characteristics of a trailer e.g. gross weight of trailer.

XML Instance Representation

```
<...>
  <comx:grossTrailerWeightCharacteristics> comx:GrossTrailerWeightCharacteristics
  </comx:grossTrailerWeightCharacteristics> [1] ?
  <comx:_trailerCharacteristicsExtension> com:_ExtensionType </comx:_trailerCharacteristicsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TrailerCharacteristics">
  <xs:sequence>
    <xs:element name="grossTrailerWeightCharacteristics" type="comx:GrossTrailerWeightCharacteristics" />
    <xs:element name="_trailerCharacteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **VehicleCharacteristicsExtended**

Super-types:	None
Sub-types:	None

Name	VehicleCharacteristicsExtended
Abstract	no
Documentation	Extension class for vehicle characteristics

XML Instance Representation

```

<...>
  <comx:ageCharacteristic> comx:AgeCharacteristic </comx:ageCharacteristic> [0..1]
  <comx:maximumDesignSpeed> tro:Speed </comx:maximumDesignSpeed> [0..1] ?
  <comx:trailerCharacteristics> comx:TrailerCharacteristics </comx:trailerCharacteristics> [0..1]
  <comx:hazardousMaterials> com:HazardousMaterials </comx:hazardousMaterials> [0..1]
  <comx:enginePowerCharacteristics> comx:EnginePowerCharacteristics </comx:enginePowerCharacteristics> [0..2]
  <comx:regulatedCharacteristics> comx:RegulatedCharacteristics </comx:regulatedCharacteristics> [0..*]
</...>

```

Schema Component Representation

```

<xs:complexType name="VehicleCharacteristicsExtended">
  <xs:sequence>
    <xs:element name="ageCharacteristic" type="comx:AgeCharacteristic" minOccurs="0"/>
    <xs:element name="maximumDesignSpeed" type="tro:Speed" minOccurs="0"/>
    <xs:element name="trailerCharacteristics" type="comx:TrailerCharacteristics" minOccurs="0"/>
    <xs:element name="hazardousMaterials" type="com:HazardousMaterials" minOccurs="0"/>
    <xs:element name="enginePowerCharacteristics" type="comx:EnginePowerCharacteristics" minOccurs="0"
      maxOccurs="2"/>
    <xs:element name="regulatedCharacteristics" type="comx:RegulatedCharacteristics" minOccurs="0"
      maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>

```

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Complex Type: [_ApplicableDaysWithinMonthEnum](#)

Super-types: [xs:string](#) < [ApplicableDaysWithinMonthEnum](#) (by restriction) < [_ApplicableDaysWithinMonthEnum](#) (by extension)

Sub-types: None

Name [_ApplicableDaysWithinMonthEnum](#)

Abstract no

XML Instance Representation

```

<...
  _extendedValue="xs:string [0..1]">
    comx:ApplicableDaysWithinMonthEnum
</...>

```

Schema Component Representation

```

<xs:complexType name="_ApplicableDaysWithinMonthEnum">
  <xs:simpleContent>
    <xs:extension base="comx:ApplicableDaysWithinMonthEnum">
      <xs:attribute name="_extendedValue" type="xs:string" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

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Complex Type: [_EuSpecialPurposeVehicleEnum](#)

Super-types: [xs:string](#) < [EuSpecialPurposeVehicleEnum](#) (by restriction) < [_EuSpecialPurposeVehicleEnum](#) (by extension)

Sub-types: None

Name [_EuSpecialPurposeVehicleEnum](#)

Abstract no

XML Instance Representation

```

<...
  _extendedValue="xs:string [0..1]">
    comx:EuSpecialPurposeVehicleEnum
</...>

```

Schema Component Representation

```

<xs:complexType name="_EuSpecialPurposeVehicleEnum">
  <xs:simpleContent>
    <xs:extension base="comx:EuSpecialPurposeVehicleEnum">
      <xs:attribute name="_extendedValue" type="xs:string" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

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Complex Type: [_EuVehicleCategoryEnum](#)

Super-types: [xs:string](#) < [EuVehicleCategoryEnum](#) (by restriction) < [_EuVehicleCategoryEnum](#) (by extension)

Sub-types: None

Name [_EuVehicleCategoryEnum](#)

Abstract no

XML Instance Representation

```

<...
  _extendedValue="xs:string [0..1]">

```

```
comx:EuVehicleCategoryEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_EuVehicleCategoryEnum">
  <xs:simpleContent>
    <xs:extension base="comx:EuVehicleCategoryEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

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Complex Type: **_FuzzyTimeEnum**

Super-types: [xs:string](#) < [FuzzyTimeEnum](#) (by restriction) < **_FuzzyTimeEnum** (by extension)

Sub-types: None

Name **_FuzzyTimeEnum**

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  comx:FuzzyTimeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_FuzzyTimeEnum">
  <xs:simpleContent>
    <xs:extension base="comx:FuzzyTimeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

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Complex Type: **_PowerUnitOfMeasureEnum**

Super-types: [xs:string](#) < [PowerUnitOfMeasureEnum](#) (by restriction) < **_PowerUnitOfMeasureEnum** (by extension)

Sub-types: None

Name **_PowerUnitOfMeasureEnum**

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  comx:PowerUnitOfMeasureEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_PowerUnitOfMeasureEnum">
  <xs:simpleContent>
    <xs:extension base="comx:PowerUnitOfMeasureEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

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Simple Type: **ADRCClass**

Super-types: [com:String](#) < **ADRCClass** (by restriction)

Sub-types: None

Name **ADRCClass**

Content

- 'String' super type was not found in this schema. Its facets could not be printed out.
- *pattern* = [1-9][4-6].[1-2]4.3

Documentation Specification of classes of dangerous goods according to ADR.

Schema Component Representation

```
<xs:simpleType name="ADRCClass">
  <xs:restriction base="com:String">
    <xs:pattern value="[1-9][4-6].[1-2]4.3"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: **ApplicableDaysWithinMonthEnum**

Super-types: [xs:string](#) < **ApplicableDaysWithinMonthEnum** (by restriction)

Sub-types:

- [_ApplicableDaysWithinMonthEnum](#) (by extension)

Name ApplicableDaysWithinMonthEnum

Content

- Base XSD Type: string
- *value* comes from list:
{evenDay|oddDay|daysFromOneToFifteen|daysFromSixteenToThirtyOne|_extended'}

Documentation Types of days within a month.

Schema Component Representation

```
<xs:simpleType name="ApplicableDaysWithinMonthEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="evenDay"/>
    <xs:enumeration value="oddDay"/>
    <xs:enumeration value="daysFromOneToFifteen"/>
    <xs:enumeration value="daysFromSixteenToThirtyOne"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: **EuSpecialPurposeVehicleEnum**

Super-types: [xs:string](#) < **EuSpecialPurposeVehicleEnum** (by restriction)

Sub-types:

- [_EuSpecialPurposeVehicleEnum](#) (by extension)

Name EuSpecialPurposeVehicleEnum

Content

- Base XSD Type: string
- *value* comes from list:
{motorCaravan|armouredVehicle|ambulance|hearse|trailerCaravan|mobileCrane|otherSpecialPurposeVehicle|wheelChairAccessibleVehicle|_

Documentation Vehicle purpose according to EU legislation

Schema Component Representation

```
<xs:simpleType name="EuSpecialPurposeVehicleEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="motorCaravan"/>
    <xs:enumeration value="armouredVehicle"/>
    <xs:enumeration value="ambulance"/>
    <xs:enumeration value="hearse"/>
    <xs:enumeration value="trailerCaravan"/>
    <xs:enumeration value="mobileCrane"/>
    <xs:enumeration value="otherSpecialPurposeVehicle"/>
    <xs:enumeration value="wheelChairAccessibleVehicle"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: **EuVehicleCategoryEnum**

Super-types: [xs:string](#) < **EuVehicleCategoryEnum** (by restriction)

Sub-types:

- [_EuVehicleCategoryEnum](#) (by extension)

Name EuVehicleCategoryEnum

Content

- Base XSD Type: string
- *value* comes from list: {'m'|m1'|m2'|m3'|n'|n1'|n2'|n3'|o'|o1'|o2'|o3'|o4'|_extended'}

Documentation Vehicle categories according to EU legislation

Schema Component Representation

```
<xs:simpleType name="EuVehicleCategoryEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="m"/>
    <xs:enumeration value="m1"/>
    <xs:enumeration value="m2"/>
    <xs:enumeration value="m3"/>
    <xs:enumeration value="n"/>
    <xs:enumeration value="n1"/>
    <xs:enumeration value="n2"/>
    <xs:enumeration value="n3"/>
    <xs:enumeration value="o"/>
    <xs:enumeration value="o1"/>
    <xs:enumeration value="o2"/>
    <xs:enumeration value="o3"/>
    <xs:enumeration value="o4"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: FuzzyTimeEnum

Super-types: [xs:string](#) < **FuzzyTimeEnum** (by restriction)

Sub-types:

- [_FuzzyTimeEnum](#) (by extension)

Name FuzzyTimeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'dawn'|'sunset'|'_extended'}

Documentation Enumeration for fuzzy time periods.

Schema Component Representation

```
<xs:simpleType name="FuzzyTimeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="dawn"/>
    <xs:enumeration value="sunset"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: PowerUnitOfMeasureEnum

Super-types: [xs:string](#) < **PowerUnitOfMeasureEnum** (by restriction)

Sub-types:

- [_PowerUnitOfMeasureEnum](#) (by extension)

Name PowerUnitOfMeasureEnum

Content

- Base XSD Type: string
- *value* comes from list: {'kilowatt'|'horsepower'|'_extended'}

Documentation Units for measuring power.

Schema Component Representation

```
<xs:simpleType name="PowerUnitOfMeasureEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="kilowatt"/>
    <xs:enumeration value="horsepower"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

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 - [Simple Type: Language](#)
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 - [Simple Type: LongString](#)
 - [Simple Type: LowEmissionLevelEnum](#)
 - [Simple Type: MetresAsFloat](#)
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 - [Simple Type: MonthOfYearEnum](#)
 - [Simple Type: MultilingualStringValue](#)
 - [Simple Type: NonNegativeInteger](#)
 - [Simple Type: Percentage](#)
 - [Simple Type: PublicEventTypeEnum](#)

- [Simple Type: Seconds](#)
- [Simple Type: SpecialDayTypeEnum](#)
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- [Simple Type: TemperatureCelsius](#)
- [Simple Type: Time](#)
- [Simple Type: TimePrecisionEnum](#)
- [Simple Type: Tonnes](#)
- [Simple Type: Uri](#)
- [Simple Type: UriLinkTypeEnum](#)
- [Simple Type: ValidityStatusEnum](#)
- [Simple Type: VehicleEquipmentEnum](#)
- [Simple Type: VehicleTypeEnum](#)
- [Simple Type: VehicleUsageEnum](#)
- [Simple Type: VehiclesPerHour](#)
- [Simple Type: WeightTypeEnum](#)
- [Simple Type: WinterEquipmentManagementTypeEnum](#)
- [Simple Type: Year](#)
- [Simple Type: EmissionClassificationEuroEnumExtensionType](#)
- [Simple Type: LoadTypeEnumExtensionType](#)
- [Simple Type: VehicleEquipmentEnumExtensionType](#)
- [Simple Type: VehicleTypeEnumExtensionType](#)
- [Simple Type: VehicleUsageEnumExtensionType](#)
- [Simple Type: WeightTypeEnumExtensionType](#)

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Schema Document Properties

Target Namespace	http://datex2.eu/schema/3/common
Version	3.3
Element and Attribute Namespaces	

- Global element and attribute declarations belong to this schema's target namespace.
- By default, local element declarations belong to this schema's target namespace.
- By default, local attribute declarations have no namespace.

Schema Composition	• This schema imports schema(s) from the following namespace(s): ◦ http://datex2.eu/schema/3/commonExtension (at DATESII_3_CommonExtension.xsd)
---------------------------	--

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
comx	http://datex2.eu/schema/3/commonExtension
com	http://datex2.eu/schema/3/common

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/common">
  <xs:import namespace="http://datex2.eu/schema/3/commonExtension" schemaLocation="DATESII_3_CommonExtension.xsd"/>
  ...
</xs:schema>
```

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Global Definitions

Complex Type: **CalendarWeekWithinMonth**

Super-types:	DayWeekMonth < CalendarWeekWithinMonth (by extension)
Sub-types:	None

Name	CalendarWeekWithinMonth
Abstract	no
Documentation	Specification of periods defined by relevant calendar weeks in a month, see ISO8601. Note: Calendar weeks start with Monday. First week is the week containing the first of the month.

XML Instance Representation

```
<...>
  <com:applicableDay> com:_DayEnum </com:applicableDay> [0..7] ?
  <com:applicableMonth> com:_MonthOfYearEnum </com:applicableMonth> [0..12] ?
  <com: dayWeekMonthExtension> com:_DayWeekMonthExtensionType </com: dayWeekMonthExtension> [0..1]
  <com:applicableCalendarWeekWithinMonth> com:_CalendarWeekWithinMonthEnum </com:applicableCalendarWeekWithinMonth>
  [1..6] ?
  <com:_calendarWeekWithinMonthExtension> com:_ExtensionType </com:_calendarWeekWithinMonthExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="CalendarWeekWithinMonth">
  <xs:complexContent>
    <xs:extension base="com:DayWeekMonth">
      <xs:sequence>
        <xs:element name="applicableCalendarWeekWithinMonth" type="com:_CalendarWeekWithinMonthEnum" minOccurs="1"
maxOccurs="6"/>
        <xs:element name="_calendarWeekWithinMonthExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: **DataValue**

Super-types:	None
Sub-types:	• IntegerMetreDistanceValue (by extension) • PercentageValue (by extension) • SpeedValue (by extension) • VehicleFlowValue (by extension)

Name	DataValue
Abstract	yes
Documentation	A data value of something that can be measured or calculated. Any provided meta-data values specified in the attributes override any specified generic characteristics such as defined for a specific measurement in the MeasurementSiteTable.

XML Instance Representation

```
<...
  accuracy="com:Percentage [0..1] ? "
  computationalMethod="com:ComputationMethodEnum [0..1] ? "
  numberOfIncompleteInputs="com:NonNegativeInteger [0..1] ? "
  numberOfInputValuesUsed="com:NonNegativeInteger [0..1] ? "
  smoothingFactor="com:Float [0..1] ? "
  standardDeviation="com:Float [0..1] ? "
  supplierCalculatedDataQuality="com:Percentage [0..1] ?">
  <com:dataError> com:Boolean </com:dataError> [0..1] ?
  <com:reasonForDataError> com:MultilingualString </com:reasonForDataError> [0..1] ?
  <com:\_dataValueExtension> com:\_ExtensionType </com:\_dataValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DataValue" abstract="true">
  <xs:sequence>
    <xs:element name="dataError" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="reasonForDataError" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_dataValueExtension" type="com:\_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="accuracy" type="com:Percentage" use="optional"/>
  <xs:attribute name="computationalMethod" type="com:ComputationMethodEnum" use="optional"/>
  <xs:attribute name="numberOfIncompleteInputs" type="com:NonNegativeInteger" use="optional"/>
  <xs:attribute name="numberOfInputValuesUsed" type="com:NonNegativeInteger" use="optional"/>
  <xs:attribute name="smoothingFactor" type="com:Float" use="optional"/>
  <xs:attribute name="standardDeviation" type="com:Float" use="optional"/>
  <xs:attribute name="supplierCalculatedDataQuality" type="com:Percentage" use="optional"/>
</xs:complexType>
```

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Complex Type: **DayWeekMonth**

Super-types:	None
Sub-types:	• CalendarWeekWithinMonth (by extension) • InstanceOfDayWithinMonth (by extension)

Name	DayWeekMonth
Abstract	no
Documentation	Specification of periods defined by the intersection of days or instances of them, calendar weeks and months.

XML Instance Representation

```
<...>
  <com:applicableDay> com:\_DayEnum </com:applicableDay> [0..7] ?
  <com:applicableMonth> com:\_MonthOfYearEnum </com:applicableMonth> [0..12] ?
  <com:\_dayWeekMonthExtension> com:\_DayWeekMonthExtensionType </com:\_dayWeekMonthExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DayWeekMonth">
  <xs:sequence>
    <xs:element name="applicableDay" type="com:\_DayEnum" minOccurs="0" maxOccurs="7"/>
    <xs:element name="applicableMonth" type="com:\_MonthOfYearEnum" minOccurs="0" maxOccurs="12"/>
    <xs:element name="_dayWeekMonthExtension" type="com:\_DayWeekMonthExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **Emissions**

Super-types:	None
Sub-types:	None

Name	Emissions
Abstract	no
Documentation	Emission characteristics of vehicles.

XML Instance Representation

```
<...>
  <com:emissionClassificationEuro> com:_EmissionClassificationEuroEnum </com:emissionClassificationEuro> [0..1] ?
  <com:emissionClassificationOther> com:String </com:emissionClassificationOther> [0..*] ?
  <com:emissionLevel> com:_LowEmissionLevelEnum </com:emissionLevel> [0..1] ?
  <com:_emissionsExtension> com:_EmissionsExtensionType </com:_emissionsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Emissions">
  <xs:sequence>
    <xs:element name="emissionClassificationEuro" type="com:_EmissionClassificationEuroEnum" minOccurs="0"
      maxOccurs="1"/>
    <xs:element name="emissionClassificationOther" type="com:String" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="emissionLevel" type="com:_LowEmissionLevelEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_emissionsExtension" type="com:_EmissionsExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: GrossWeightCharacteristic

Super-types: None
Sub-types: None

Name GrossWeightCharacteristic
Abstract no
Documentation Gross weight characteristic of a vehicle.

XML Instance Representation

```
<...>
  <com:comparisonOperator> com:_ComparisonOperatorEnum </com:comparisonOperator> [1] ?
  <com:grossVehicleWeight> com:Tonnes </com:grossVehicleWeight> [1] ?
  <com:typeOfWeight> com:_WeightTypeEnum </com:typeOfWeight> [1] ?
  <com:_grossWeightCharacteristicExtension> com:_ExtensionType </com:_grossWeightCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="GrossWeightCharacteristic">
  <xs:sequence>
    <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="grossVehicleWeight" type="com:Tonnes" minOccurs="1" maxOccurs="1"/>
    <xs:element name="typeOfWeight" type="com:_WeightTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_grossWeightCharacteristicExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: HazardousMaterials

Super-types: None
Sub-types: None

Name HazardousMaterials
Abstract no
Documentation Details of hazardous materials.

XML Instance Representation

```
<...>
  <com:chemicalName> com:MultilingualString </com:chemicalName> [1] ?
  <com:dangerousGoodsFlashPoint> com:TemperatureCelsius </com:dangerousGoodsFlashPoint> [0..1] ?
  <com:dangerousGoodsRegulations> com:_DangerousGoodsRegulationsEnum </com:dangerousGoodsRegulations> [0..1] ?
  <com:hazardCodeIdentification> com:String </com:hazardCodeIdentification> [0..1] ?
  <com:hazardCodeVersionNumber> com:NonNegativeInteger </com:hazardCodeVersionNumber> [0..1] ?
  <com:hazardSubstanceItemPageNumber> com:String </com:hazardSubstanceItemPageNumber> [0..1] ?
  <com:tremCardNumber> com:String </com:tremCardNumber> [0..1] ?
  <com:undgNumber> com:String </com:undgNumber> [0..1] ?
  <com:volumeOfDangerousGoods> com:CubicMetres </com:volumeOfDangerousGoods> [0..1] ?
  <com:weightOfDangerousGoods> com:Tonnes </com:weightOfDangerousGoods> [0..1] ?
  <com:_hazardousMaterialsExtension> com:_HazardousMaterialsExtensionType </com:_hazardousMaterialsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="HazardousMaterials">
  <xs:sequence>
    <xs:element name="chemicalName" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="dangerousGoodsFlashPoint" type="com:TemperatureCelsius" minOccurs="0" maxOccurs="1"/>
    <xs:element name="dangerousGoodsRegulations" type="com:_DangerousGoodsRegulationsEnum" minOccurs="0"
      maxOccurs="1"/>
    <xs:element name="hazardCodeIdentification" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="hazardCodeVersionNumber" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="hazardSubstanceItemPageNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="tremCardNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="undgNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="volumeOfDangerousGoods" type="com:CubicMetres" minOccurs="0" maxOccurs="1"/>
    <xs:element name="weightOfDangerousGoods" type="com:Tonnes" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_hazardousMaterialsExtension" type="com:_HazardousMaterialsExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

```
</xs:sequence>
</xs:complexType>
```

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Complex Type: **HeaderInformation**

Super-types: None
Sub-types: None

Name HeaderInformation
Abstract no
Documentation Management information relating to the data contained within a publication.

XML Instance Representation

```
<...>
  <com:confidentiality> com:ConfidentialityValueEnum </com:confidentiality> [0..1] ?
  <com:allowedDeliveryChannel> com:InformationDeliveryServicesEnum </com:allowedDeliveryChannel> [0..*] ?
  <com:informationStatus> com:InformationStatusEnum </com:informationStatus> [1] ?
  <com:_headerInformationExtension> com:ExtensionType </com:_headerInformationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="HeaderInformation">
  <xs:sequence>
    <xs:element name="confidentiality" type="com:ConfidentialityValueEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="allowedDeliveryChannel" type="com:InformationDeliveryServicesEnum" minOccurs="0"
      maxOccurs="unbounded"/>
    <xs:element name="informationStatus" type="com:InformationStatusEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_headerInformationExtension" type="com:ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **HeaviestAxleWeightCharacteristic**

Super-types: None
Sub-types: None

Name HeaviestAxleWeightCharacteristic
Abstract no
Documentation Weight characteristic of the heaviest axle on the vehicle.

XML Instance Representation

```
<...>
  <com:comparisonOperator> com:ComparisonOperatorEnum </com:comparisonOperator> [1] ?
  <com:heaviestAxleWeight> com:Tonnes </com:heaviestAxleWeight> [1] ?
  <com:_heaviestAxleWeightCharacteristicExtension> com:ExtensionType
</com:_heaviestAxleWeightCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="HeaviestAxleWeightCharacteristic">
  <xs:sequence>
    <xs:element name="comparisonOperator" type="com:ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="heaviestAxleWeight" type="com:Tonnes" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_heaviestAxleWeightCharacteristicExtension" type="com:ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **HeightCharacteristic**

Super-types: None
Sub-types: None

Name HeightCharacteristic
Abstract no
Documentation Height characteristic of a vehicle.

XML Instance Representation

```
<...>
  <com:comparisonOperator> com:ComparisonOperatorEnum </com:comparisonOperator> [1] ?
  <com:vehicleHeight> com:MetresAsFloat </com:vehicleHeight> [1] ?
  <com:_heightCharacteristicExtension> com:ExtensionType </com:_heightCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="HeightCharacteristic">
  <xs:sequence>
    <xs:element name="comparisonOperator" type="com:ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="vehicleHeight" type="com:MetresAsFloat" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_heightCharacteristicExtension" type="com:ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

```
</xs:sequence>
</xs:complexType>
```

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Complex Type: **InstanceOfDayWithinMonth**

Super-types: [DayWeekMonth](#) < **InstanceOfDayWithinMonth** (by extension)

Sub-types: None

Name InstanceOfDayWithinMonth

Abstract no

Documentation Specification of periods defined by the instance of a specific weekday within a month (e.g. 3rd Tuesday in May)

XML Instance Representation

```
<...>
  <com:applicableDay> com:DayEnum </com:applicableDay> [0..7] ?
  <com:applicableMonth> com:MonthOfYearEnum </com:applicableMonth> [0..12] ?
  <com:dayWeekMonthExtension> com:DayWeekMonthExtensionType </com:dayWeekMonthExtension> [0..1]
  <com:applicableInstanceOfDayWithinMonth> com:InstanceOfDayEnum </com:applicableInstanceOfDayWithinMonth> [1..5] ?
  <com:_instanceOfDayWithinMonthExtension> com:ExtensionType </com:_instanceOfDayWithinMonthExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="InstanceOfDayWithinMonth">
  <xs:complexContent>
    <xs:extension base="com:DayWeekMonth">
      <xs:sequence>
        <xs:element name="applicableInstanceOfDayWithinMonth" type="com:InstanceOfDayEnum" minOccurs="1"
          maxOccurs="5"/>
        <xs:element name="_instanceOfDayWithinMonthExtension" type="com:ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **IntegerMetreDistanceValue**

Super-types: [DataValue](#) < **IntegerMetreDistanceValue** (by extension)

Sub-types: None

Name IntegerMetreDistanceValue

Abstract no

Documentation A measured or calculated value of distance in whole metres.

XML Instance Representation

```
<...
  accuracy="com:Percentage [0..1] ? "
  computationalMethod="com:ComputationMethodEnum [0..1] ? "
  numberOfIncompleteInputs="com:NonNegativeInteger [0..1] ? "
  numberOfInputValuesUsed="com:NonNegativeInteger [0..1] ? "
  smoothingFactor="com:Float [0..1] ? "
  standardDeviation="com:Float [0..1] ? "
  supplierCalculatedDataQuality="com:Percentage [0..1] ? ">
  <com:dataError> com:Boolean </com:dataError> [0..1] ?
  <com:reasonForDataError> com:MultilingualString </com:reasonForDataError> [0..1] ?
  <com:_dataValueExtension> com:ExtensionType </com:_dataValueExtension> [0..1]
  <com:integerMetreDistance> com:MetresAsNonNegativeInteger </com:integerMetreDistance> [1] ?
  <com:_integerMetreDistanceValueExtension> com:ExtensionType </com:_integerMetreDistanceValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="IntegerMetreDistanceValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="integerMetreDistance" type="com:MetresAsNonNegativeInteger" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_integerMetreDistanceValueExtension" type="com:ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: **InternationalIdentifier**

Super-types: None

Sub-types: None

Name InternationalIdentifier

Abstract no

Documentation An identifier/name whose range is specific to the particular country.

XML Instance Representation

```
<...>
  <com:country> com:CountryCode </com:country> [1] ?
  <com:nationalIdentifier> com:String </com:nationalIdentifier> [1] ?
  <com:_internationalIdentifierExtension> com:_ExtensionType </com:_internationalIdentifierExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="InternationalIdentifier">
  <xs:sequence>
    <xs:element name="country" type="com:CountryCode" minOccurs="1" maxOccurs="1"/>
    <xs:element name="nationalIdentifier" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_internationalIdentifierExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: LengthCharacteristic

Super-types:	None
Sub-types:	None

Name	LengthCharacteristic
Abstract	no
Documentation	Length characteristic of a vehicle.

XML Instance Representation

```
<...>
  <com:comparisonOperator> com:_ComparisonOperatorEnum </com:comparisonOperator> [1] ?
  <com:vehicleLength> com:MetresAsFloat </com:vehicleLength> [1] ?
  <com:_lengthCharacteristicExtension> com:_ExtensionType </com:_lengthCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LengthCharacteristic">
  <xs:sequence>
    <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="vehicleLength" type="com:MetresAsFloat" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_lengthCharacteristicExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: MultilingualString

Super-types:	None
Sub-types:	None

Name	MultilingualString
Abstract	no

XML Instance Representation

```
<...>
  <com:values> [1]
    <com:value> com:MultilingualStringValue </com:value> [1..*]
  </com:values>
</...>
```

Schema Component Representation

```
<xs:complexType name="MultilingualString">
  <xs:sequence>
    <xs:element name="values">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="value" type="com:MultilingualStringValue" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: MultilingualStringValue

Super-types:	xs:string < MultilingualStringValue (by restriction) < MultilingualStringValue (by extension)
Sub-types:	None

Name	MultilingualStringValue
Abstract	no

XML Instance Representation

```
<...  
  lang="xs:language [0..1]">  
    com:MultilingualStringValue  
</...>
```

Schema Component Representation

```
<xs:complexType name="MultilingualStringValue">  
  <xs:simpleContent>  
    <xs:extension base="com:MultilingualStringValue" type="xs:language"/>  
  </xs:simpleContent>  
</xs:complexType>
```

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Complex Type: NamedArea

Super-types:	None
Sub-types:	None

Name	NamedArea
<u>Abstract</u>	yes
Documentation	An abstract hook class to hook in a model for a named area.

XML Instance Representation

```
<...>  
  <com:_namedAreaExtension> com:_ExtensionType </com:_namedAreaExtension> [0..1]  
</...>
```

Schema Component Representation

```
<xs:complexType name="NamedArea" abstract="true">  
  <xs:sequence>  
    <xs:element name="_namedAreaExtension" type="com:_ExtensionType" minOccurs="0"/>  
  </xs:sequence>  
</xs:complexType>
```

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Complex Type: NumberOfAxlesCharacteristic

Super-types:	None
Sub-types:	None

Name	NumberOfAxlesCharacteristic
<u>Abstract</u>	no
Documentation	Number of axles characteristic of a vehicle.

XML Instance Representation

```
<...>  
  <com:comparisonOperator> com:_ComparisonOperatorEnum </com:comparisonOperator> [1] ?  
  <com:numberOfAxles> com:NonNegativeInteger </com:numberOfAxles> [1] ?  
  <com:_numberOfAxlesCharacteristicExtension> com:_ExtensionType </com:_numberOfAxlesCharacteristicExtension> [0..1]  
</...>
```

Schema Component Representation

```
<xs:complexType name="NumberOfAxlesCharacteristic">  
  <xs:sequence>  
    <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>  
    <xs:element name="numberOfAxles" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>  
    <xs:element name="_numberOfAxlesCharacteristicExtension" type="com:_ExtensionType" minOccurs="0"/>  
  </xs:sequence>  
</xs:complexType>
```

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Complex Type: OverallPeriod

Super-types:	None
Sub-types:	None

Name	OverallPeriod
<u>Abstract</u>	no
Documentation	A continuous or discontinuous period of validity defined by overall bounding start and end times and the possible intersection of valid periods (potentially recurring) with the complement of exception periods (also potentially recurring).

XML Instance Representation

```
<...>  
  <com:overallStartTime> com:DateTime </com:overallStartTime> [1] ?  
  <com:overallEndTime> com:DateTime </com:overallEndTime> [0..1] ?  
  <com:validPeriod> com:Period </com:validPeriod> [0..*] ?  
  <com:exceptionPeriod> com:Period </com:exceptionPeriod> [0..*] ?  
  <com:_overallPeriodExtension> com:_ExtensionType </com:_overallPeriodExtension> [0..1]  
</...>
```

```
</...>
```

Schema Component Representation

```
<xs:complexType name="OverallPeriod">
  <xs:sequence>
    <xs:element name="overallStartTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
    <xs:element name="overallEndTime" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="validPeriod" type="com:Period" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="exceptionPeriod" type="com:Period" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_overallPeriodExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: PayloadPublication

Super-types: None
Sub-types: None

Name PayloadPublication
Abstract yes
Documentation A payload publication of traffic related information or associated management information created at a specific point in time that can be exchanged via a DATEX II interface.

XML Instance Representation

```
<...
  lang="com:Language [1] ?"
  modelBaseVersion="3 [1]"
  extensionName="xs:string [0..1]"
  extensionVersion="xs:string [0..1]"
  profileName="xs:string [0..1]"
  profileVersion="xs:string [0..1]">
  <com:publicationTime> com:DateTime </com:publicationTime> [1] ?
  <com:publicationCreator> com:InternationalIdentifier </com:publicationCreator> [1]
  <com:_payloadPublicationExtension> com:_ExtensionType </com:_payloadPublicationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PayloadPublication" abstract="true">
  <xs:sequence>
    <xs:element name="publicationTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
    <xs:element name="publicationCreator" type="com:InternationalIdentifier"/>
    <xs:element name="_payloadPublicationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="lang" type="com:Language" use="required"/>
  <xs:attribute name="modelBaseVersion" type="xs:string" use="required" fixed="3"/>
  <xs:attribute name="extensionName" type="xs:string" use="optional"/>
  <xs:attribute name="extensionVersion" type="xs:string" use="optional"/>
  <xs:attribute name="profileName" type="xs:string" use="optional"/>
  <xs:attribute name="profileVersion" type="xs:string" use="optional"/>
</xs:complexType>
```

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Complex Type: PercentageValue

Super-types: [DataValue](#) < PercentageValue (by extension)
Sub-types: None

Name PercentageValue
Abstract no
Documentation A measured or calculated value expressed as a percentage.

XML Instance Representation

```
<...
  accuracy="com:Percentage [0..1] ?"
  computationalMethod="com:ComputationMethodEnum [0..1] ?"
  numberOfIncompleteInputs="com:NonNegativeInteger [0..1] ?"
  numberOfInputValuesUsed="com:NonNegativeInteger [0..1] ?"
  smoothingFactor="com:Float [0..1] ?"
  standardDeviation="com:Float [0..1] ?"
  supplierCalculatedDataQuality="com:Percentage [0..1] ?">
  <com:dataError> com:Boolean </com:dataError> [0..1] ?
  <com:reasonForDataError> com:MultilingualString </com:reasonForDataError> [0..1] ?
  <com:_dataValueExtension> com:_ExtensionType </com:_dataValueExtension> [0..1]
  <com:percentage> com:Percentage </com:percentage> [1] ?
  <com:_percentageValueExtension> com:_ExtensionType </com:_percentageValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PercentageValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="percentage" type="com:Percentage" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_percentageValueExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
```

</xs:complexType>

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Complex Type: **Period**

Super-types: None
Sub-types: None

Name Period
Abstract no
Documentation A continuous time period or a set of discontinuous time periods defined by the intersection of a set of criteria all within an overall delimiting interval.

XML Instance Representation

```
<...>
  <com:startOfPeriod> com:DateTime </com:startOfPeriod> [0..1] ?
  <com:endOfPeriod> com:DateTime </com:endOfPeriod> [0..1] ?
  <com:periodName> com:MultilingualString </com:periodName> [0..1] ?
  <com:recurringTimePeriodOfDay> com:TimePeriodOfDay </com:recurringTimePeriodOfDay> [0..*] ?
  <com:recurringDayWeekMonthPeriod> com:DayWeekMonth </com:recurringDayWeekMonthPeriod> [0..*] ?
  <com:recurringSpecialDay> com:SpecialDay </com:recurringSpecialDay> [0..*] ?
  <com:_periodExtension> com:_PeriodExtensionType </com:_periodExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Period">
  <xs:sequence>
    <xs:element name="startOfPeriod" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="endOfPeriod" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="periodName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="recurringTimePeriodOfDay" type="com:TimePeriodOfDay" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="recurringDayWeekMonthPeriod" type="com:DayWeekMonth" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="recurringSpecialDay" type="com:SpecialDay" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_periodExtension" type="com:_PeriodExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **PublicHoliday**

Super-types: [SpecialDay](#) < **PublicHoliday** (by extension)
Sub-types: None

Name PublicHoliday
Abstract no
Documentation Specification of a specific public holiday in case specialDayType is set to 'publicHoliday'.

XML Instance Representation

```
<...>
  <com:intersectWithApplicableDays> com:Boolean </com:intersectWithApplicableDays> [1] ?
  <com:specialDayType> com:_SpecialDayTypeEnum </com:specialDayType> [1] ?
  <com:publicEvent> com:_PublicEventTypeEnum </com:publicEvent> [0..1] ?
  <com:namedArea> com:NamedArea </com:namedArea> [0..*]
  <com:_specialDayExtension> com:_ExtensionType </com:_specialDayExtension> [0..1]
  <com:publicHolidayName> com:MultilingualString </com:publicHolidayName> [1] ?
  <com:_publicHolidayExtension> com:_ExtensionType </com:_publicHolidayExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PublicHoliday">
  <xs:complexContent>
    <xs:extension base="com:SpecialDay">
      <xs:sequence>
        <xs:element name="publicHolidayName" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_publicHolidayExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **Reference**

Super-types: None
Sub-types: None

Name Reference
Abstract no

XML Instance Representation

```
<...
  id="xs:string [1]"/>
```

Schema Component Representation

```
<xs:complexType name="Reference">
  <xs:attribute name="id" type="xs:string" use="required"/>
</xs:complexType>
```

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Complex Type: **SpecialDay**

Super-types:	None
Sub-types:	• PublicHoliday (by extension)

Name	SpecialDay
Abstract	no
Documentation	Specification of a special type of day, possibly also a public holiday. Can be country or region specific.

XML Instance Representation

```
<...>
  <com:intersectWithApplicableDays> com:Boolean </com:intersectWithApplicableDays> [1] ?
  <com:specialDayType> com:_SpecialDayTypeEnum </com:specialDayType> [1] ?
  <com:publicEvent> com:_PublicEventTypeEnum </com:publicEvent> [0..1] ?
  <com:namedArea> com:_NamedArea </com:namedArea> [0..*]
  <com:_specialDayExtension> com:_ExtensionType </com:_specialDayExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SpecialDay">
  <xs:sequence>
    <xs:element name="intersectWithApplicableDays" type="com:Boolean" minOccurs="1" maxOccurs="1"/>
    <xs:element name="specialDayType" type="com:_SpecialDayTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="publicEvent" type="com:_PublicEventTypeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="namedArea" type="com:_NamedArea" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_specialDayExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **SpeedValue**

Super-types:	DataValue < SpeedValue (by extension)
Sub-types:	None

Name	SpeedValue
Abstract	no
Documentation	A measured or calculated value of speed.

XML Instance Representation

```
<...
  accuracy="com:Percentage [0..1] ? "
  computationalMethod="com:ComputationMethodEnum [0..1] ? "
  numberOfIncompleteInputs="com:NonNegativeInteger [0..1] ? "
  numberOfInputValuesUsed="com:NonNegativeInteger [0..1] ? "
  smoothingFactor="com:Float [0..1] ? "
  standardDeviation="com:Float [0..1] ? "
  supplierCalculatedDataQuality="com:Percentage [0..1] ? ">
  <com:dataError> com:Boolean </com:dataError> [0..1] ?
  <com:reasonForDataError> com:MultilingualString </com:reasonForDataError> [0..1] ?
  <com:_dataValueExtension> com:_ExtensionType </com:_dataValueExtension> [0..1]
  <com:speed> com:_KilometresPerHour </com:speed> [1] ?
  <com:_speedValueExtension> com:_ExtensionType </com:_speedValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SpeedValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="speed" type="com:_KilometresPerHour" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_speedValueExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: **TimePeriodOfDay**

Super-types:	None
Sub-types:	None

Name	TimePeriodOfDay
Abstract	no
Documentation	Specification of a continuous period of time within a 24 hour period.

XML Instance Representation

```
<...>
  <com:startTimeOfPeriod> com:Time </com:startTimeOfPeriod> [1] ?
  <com:endTimeOfPeriod> com:Time </com:endTimeOfPeriod> [1] ?
  <com:_timePeriodOfDayExtension> com:_ExtensionType </com:_timePeriodOfDayExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TimePeriodOfDay">
  <xs:sequence>
    <xs:element name="startTimeOfPeriod" type="com:Time" minOccurs="1" maxOccurs="1"/>
    <xs:element name="endTimeOfPeriod" type="com:Time" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_timePeriodOfDayExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **UrlLink**

Super-types:	None
Sub-types:	None

Name	UrlLink
Abstract	no
Documentation	Details of a Uniform Resource Locator (URL) address pointing to a resource available on the Internet from where further relevant information may be obtained.

XML Instance Representation

```
<...>
  <com:urlLinkAddress> com:Url </com:urlLinkAddress> [1] ?
  <com:urlLinkDescription> com:MultilingualString </com:urlLinkDescription> [0..1] ?
  <com:urlLinkType> com:_UrlLinkTypeEnum </com:urlLinkType> [0..1] ?
  <com:_urlLinkExtension> com:_ExtensionType </com:_urlLinkExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UrlLink">
  <xs:sequence>
    <xs:element name="urlLinkAddress" type="com:Url" minOccurs="1" maxOccurs="1"/>
    <xs:element name="urlLinkDescription" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="urlLinkType" type="com:_UrlLinkTypeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_urlLinkExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **Validity**

Super-types:	None
Sub-types:	None

Name	Validity
Abstract	no
Documentation	Specification of validity, either explicitly or by a validity time period specification which may be discontinuous.

XML Instance Representation

```
<...>
  <com:validityStatus> com:_ValidityStatusEnum </com:validityStatus> [1] ?
  <com:overrunning> com:Boolean </com:overrunning> [0..1] ?
  <com:validityTimeSpecification> com:OverallPeriod </com:validityTimeSpecification> [1] ?
  <com:_validityExtension> com:_ExtensionType </com:_validityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Validity">
  <xs:sequence>
    <xs:element name="validityStatus" type="com:_ValidityStatusEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="overrunning" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="validityTimeSpecification" type="com:OverallPeriod"/>
    <xs:element name="_validityExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **VehicleCharacteristics**

Super-types:	None
Sub-types:	None

Name	VehicleCharacteristics
Abstract	no

XML Instance Representation

```
<...>
  <com:fuelType> com:_FuelTypeEnum </com:fuelType> [0..*] ?
  <com:loadType> com:_LoadTypeEnum </com:loadType> [0..1] ?
  <com:vehicleEquipment> com:_VehicleEquipmentEnum </com:vehicleEquipment> [0..1] ?
  <com:vehicleType> com:_VehicleTypeEnum </com:vehicleType> [0..*] ?
  <com:vehicleUsage> com:_VehicleUsageEnum </com:vehicleUsage> [0..1] ?
  <com:yearOfFirstRegistration> com:Year </com:yearOfFirstRegistration> [0..1] ?
  <com:grossWeightCharacteristic> com:GrossWeightCharacteristic </com:grossWeightCharacteristic> [0..2]
  <com:heightCharacteristic> com:HeightCharacteristic </com:heightCharacteristic> [0..2]
  <com:lengthCharacteristic> com:LengthCharacteristic </com:lengthCharacteristic> [0..2]
  <com:widthCharacteristic> com:WidthCharacteristic </com:widthCharacteristic> [0..2]
  <com:heaviestAxleWeightCharacteristic> com:HeaviestAxleWeightCharacteristic
</com:heaviestAxleWeightCharacteristic> [0..2]
  <com:numberOfAxlesCharacteristic> com:NumberOfAxlesCharacteristic </com:numberOfAxlesCharacteristic> [0..2]
  <com:emissions> com:Emissions </com:emissions> [0..1]
  <com:_vehicleCharacteristicsExtension> com:_VehicleCharacteristicsExtensionType
</com:_vehicleCharacteristicsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleCharacteristics">
  <xs:sequence>
    <xs:element name="fuelType" type="com:_FuelTypeEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="loadType" type="com:_LoadTypeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="vehicleEquipment" type="com:_VehicleEquipmentEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="vehicleType" type="com:_VehicleTypeEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="vehicleUsage" type="com:_VehicleUsageEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="yearOfFirstRegistration" type="com:Year" minOccurs="0" maxOccurs="1"/>
    <xs:element name="grossWeightCharacteristic" type="com:GrossWeightCharacteristic" minOccurs="0" maxOccurs="2"/>
    <xs:element name="heightCharacteristic" type="com:HeightCharacteristic" minOccurs="0" maxOccurs="2"/>
    <xs:element name="lengthCharacteristic" type="com:LengthCharacteristic" minOccurs="0" maxOccurs="2"/>
    <xs:element name="widthCharacteristic" type="com:WidthCharacteristic" minOccurs="0" maxOccurs="2"/>
    <xs:element name="heaviestAxleWeightCharacteristic" type="com:HeaviestAxleWeightCharacteristic" minOccurs="0"
maxOccurs="2"/>
    <xs:element name="numberOfAxlesCharacteristic" type="com:NumberOfAxlesCharacteristic" minOccurs="0"
maxOccurs="2"/>
    <xs:element name="emissions" type="com:Emissions" minOccurs="0"/>
    <xs:element name="_vehicleCharacteristicsExtension" type="com:_VehicleCharacteristicsExtensionType"
minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: VehicleFlowValue

Super-types:	DataValue < VehicleFlowValue (by extension)
Sub-types:	None

Name	VehicleFlowValue
Abstract	no
Documentation	A measured or calculated value of the flow rate of vehicles.

XML Instance Representation

```
<...
accuracy="com:Percentage [0..1] ? "
computationalMethod="com:ComputationMethodEnum [0..1] ? "
numberOfIncompleteInputs="com:NonNegativeInteger [0..1] ? "
numberOfInputValuesUsed="com:NonNegativeInteger [0..1] ? "
smoothingFactor="com:Float [0..1] ? "
standardDeviation="com:Float [0..1] ? "
supplierCalculatedDataQuality="com:Percentage [0..1] ? ">
  <com:dataError> com:Boolean </com:dataError> [0..1] ?
  <com:reasonForDataError> com:MultilingualString </com:reasonForDataError> [0..1] ?
  <com:_dataValueExtension> com:_ExtensionType </com:_dataValueExtension> [0..1]
  <com:vehicleFlowRate> com:VehiclesPerHour </com:vehicleFlowRate> [1] ?
  <com:_vehicleFlowValueExtension> com:_ExtensionType </com:_vehicleFlowValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleFlowValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="vehicleFlowRate" type="com:VehiclesPerHour" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_vehicleFlowValueExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: VersionedReference

Super-types:	None
Sub-types:	None

Name	VersionedReference
------	--------------------

Abstract

no

XML Instance Representation

```
<...
  id="xs:string [1]"
  version="xs:string [0..1]"/>
```

Schema Component Representation

```
<xs:complexType name="VersionedReference">
  <xs:attribute name="id" type="xs:string" use="required"/>
  <xs:attribute name="version" type="xs:string" use="optional"/>
</xs:complexType>
```

[top](#)

Complex Type: WidthCharacteristic

Super-types:	None
Sub-types:	None

Name WidthCharacteristic

Abstract no

Documentation Width characteristic of a vehicle.

XML Instance Representation

```
<...>
  <com:comparisonOperator> com:_ComparisonOperatorEnum </com:comparisonOperator> [1] ?
  <com:vehicleWidth> com:MetresAsFloat </com:vehicleWidth> [1] ?
  <com:_widthCharacteristicExtension> com:_ExtensionType </com:_widthCharacteristicExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="WidthCharacteristic">
  <xs:sequence>
    <xs:element name="comparisonOperator" type="com:_ComparisonOperatorEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="vehicleWidth" type="com:MetresAsFloat" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_widthCharacteristicExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: _CalendarWeekWithinMonthEnum

Super-types:	xs:string < CalendarWeekWithinMonthEnum (by restriction) < _CalendarWeekWithinMonthEnum (by extension)
Sub-types:	None

Name _CalendarWeekWithinMonthEnum

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  com:CalendarWeekWithinMonthEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_CalendarWeekWithinMonthEnum">
  <xs:simpleContent>
    <xs:extension base="com:CalendarWeekWithinMonthEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: _ComparisonOperatorEnum

Super-types:	xs:string < ComparisonOperatorEnum (by restriction) < _ComparisonOperatorEnum (by extension)
Sub-types:	None

Name _ComparisonOperatorEnum

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  com:ComparisonOperatorEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ComparisonOperatorEnum">
  <xs:simpleContent>
```

```
<xs:extension base="com:ComparisonOperatorEnum">
  <xs:attribute name="_extendedValue" type="xs:string"/>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ComputationMethodEnum**

Super-types: [xs:string](#) < [ComputationMethodEnum](#) (by restriction) < [_ComputationMethodEnum](#) (by extension)

Sub-types: None

Name [_ComputationMethodEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  com:ComputationMethodEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ComputationMethodEnum">
  <xs:simpleContent>
    <xs:extension base="com:ComputationMethodEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ConfidentialityValueEnum**

Super-types: [xs:string](#) < [ConfidentialityValueEnum](#) (by restriction) < [_ConfidentialityValueEnum](#) (by extension)

Sub-types: None

Name [_ConfidentialityValueEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  com:ConfidentialityValueEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ConfidentialityValueEnum">
  <xs:simpleContent>
    <xs:extension base="com:ConfidentialityValueEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

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Complex Type: **_DangerousGoodsRegulationsEnum**

Super-types: [xs:string](#) < [DangerousGoodsRegulationsEnum](#) (by restriction) < [_DangerousGoodsRegulationsEnum](#) (by extension)

Sub-types: None

Name [_DangerousGoodsRegulationsEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  com:DangerousGoodsRegulationsEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_DangerousGoodsRegulationsEnum">
  <xs:simpleContent>
    <xs:extension base="com:DangerousGoodsRegulationsEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_DayEnum**

Super-types: [xs:string](#) < [DayEnum](#) (by restriction) < [_DayEnum](#) (by extension)
Sub-types: None

Name [_DayEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    com:DayEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_DayEnum">  
  <xs:simpleContent>  
    <xs:extension base="com:DayEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: [_DayWeekMonthExtensionType](#)

Super-types: None
Sub-types: None

Name [_DayWeekMonthExtensionType](#)
Abstract no

XML Instance Representation

```
<...>  
  <com:dayWeekMonthExtended> comx:DayWeekMonthExtended </com:dayWeekMonthExtended> [0..1]  
  Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]  
</...>
```

Schema Component Representation

```
<xs:complexType name="_DayWeekMonthExtensionType">  
  <xs:sequence>  
    <xs:element name="dayWeekMonthExtended" type="comx:DayWeekMonthExtended" minOccurs="0"/>  
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>  
  </xs:sequence>  
</xs:complexType>
```

[top](#)

Complex Type: [_EmissionClassificationEuroEnum](#)

Super-types: [xs:string](#) < [EmissionClassificationEuroEnum](#) (by restriction) < [_EmissionClassificationEuroEnum](#) (by extension)
Sub-types: None

Name [_EmissionClassificationEuroEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="com:_EmissionClassificationEuroEnumExtensionType [0..1]">  
    com:EmissionClassificationEuroEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_EmissionClassificationEuroEnum">  
  <xs:simpleContent>  
    <xs:extension base="com:EmissionClassificationEuroEnum">  
      <xs:attribute name="_extendedValue" type="com:_EmissionClassificationEuroEnumExtensionType"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: [_EmissionsExtensionType](#)

Super-types: None
Sub-types: None

Name [_EmissionsExtensionType](#)
Abstract no

XML Instance Representation

```
<...>  
  <com:emissionsExtension> comx:EmissionsExtension </com:emissionsExtension> [0..1]  
  Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]  
</...>
```

```
</...>
```

Schema Component Representation

```
<xs:complexType name="_EmissionsExtensionType">
  <xs:sequence>
    <xs:element name="emissionsExtension" type="comx:EmissionsExtension" minOccurs="0"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **_ExtensionType**

Super-types: None
Sub-types: None

Name **_ExtensionType**
Abstract no

XML Instance Representation

```
<...>
  Allow any elements from any namespace (lax validation). [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="_ExtensionType">
  <xs:sequence>
    <xs:any namespace="##any" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **_FuelTypeEnum**

Super-types: [xs:string](#) < [FuelTypeEnum](#) (by restriction) < **_FuelTypeEnum** (by extension)
Sub-types: None

Name **_FuelTypeEnum**
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  com:FuelTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_FuelTypeEnum">
  <xs:simpleContent>
    <xs:extension base="com:FuelTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

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Complex Type: **_HazardousMaterialsExtensionType**

Super-types: None
Sub-types: None

Name **_HazardousMaterialsExtensionType**
Abstract no

XML Instance Representation

```
<...>
  <com:dangerousGoodsExtended> comx:DangerousGoodsExtended </com:dangerousGoodsExtended> [0..1]
  Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="_HazardousMaterialsExtensionType">
  <xs:sequence>
    <xs:element name="dangerousGoodsExtended" type="comx:DangerousGoodsExtended" minOccurs="0"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **_InformationDeliveryServicesEnum**

Super-types: [xs:string](#) < [InformationDeliveryServicesEnum](#) (by restriction) < [_InformationDeliveryServicesEnum](#) (by extension)
Sub-types: None

Name [_InformationDeliveryServicesEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    com:InformationDeliveryServicesEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_InformationDeliveryServicesEnum">  
  <xs:simpleContent>  
    <xs:extension base="com:InformationDeliveryServicesEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: [_InformationStatusEnum](#)

Super-types: [xs:string](#) < [InformationStatusEnum](#) (by restriction) < [_InformationStatusEnum](#) (by extension)
Sub-types: None

Name [_InformationStatusEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    com:InformationStatusEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_InformationStatusEnum">  
  <xs:simpleContent>  
    <xs:extension base="com:InformationStatusEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: [_InstanceOfDayEnum](#)

Super-types: [xs:string](#) < [InstanceOfDayEnum](#) (by restriction) < [_InstanceOfDayEnum](#) (by extension)
Sub-types: None

Name [_InstanceOfDayEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    com:InstanceOfDayEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_InstanceOfDayEnum">  
  <xs:simpleContent>  
    <xs:extension base="com:InstanceOfDayEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: [_LoadTypeEnum](#)

Super-types: [xs:string](#) < [LoadTypeEnum](#) (by restriction) < [_LoadTypeEnum](#) (by extension)
Sub-types: None

Name [_LoadTypeEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="com:_LoadTypeEnumExtensionType [0..1]">
```

```
com:LoadTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_LoadTypeEnum">
  <xs:simpleContent>
    <xs:extension base="com:LoadTypeEnum">
      <xs:attribute name="_extendedValue" type="com:_LoadTypeEnumExtensionType"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_LowEmissionLevelEnum**

Super-types: [xs:string](#) < [LowEmissionLevelEnum](#) (by restriction) < [_LowEmissionLevelEnum](#) (by extension)

Sub-types: None

Name [_LowEmissionLevelEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  com:LowEmissionLevelEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_LowEmissionLevelEnum">
  <xs:simpleContent>
    <xs:extension base="com:LowEmissionLevelEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_MonthOfYearEnum**

Super-types: [xs:string](#) < [MonthOfYearEnum](#) (by restriction) < [_MonthOfYearEnum](#) (by extension)

Sub-types: None

Name [_MonthOfYearEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  com:MonthOfYearEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_MonthOfYearEnum">
  <xs:simpleContent>
    <xs:extension base="com:MonthOfYearEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_PeriodExtensionType**

Super-types: None

Sub-types: None

Name [_PeriodExtensionType](#)

Abstract no

XML Instance Representation

```
<...>
  <com:periodExtended> comx:PeriodExtended </com:periodExtended> [0..1]
  Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="_PeriodExtensionType">
  <xs:sequence>
    <xs:element name="periodExtended" type="comx:PeriodExtended" minOccurs="0"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```


Complex Type: **_PublicEventTypeEnum**

Super-types: [xs:string](#) < [PublicEventTypeEnum](#) (by restriction) < [_PublicEventTypeEnum](#) (by extension)
Sub-types: None

Name [_PublicEventTypeEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    com:PublicEventTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_PublicEventTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="com:PublicEventTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

Complex Type: **_SpecialDayTypeEnum**

Super-types: [xs:string](#) < [SpecialDayTypeEnum](#) (by restriction) < [_SpecialDayTypeEnum](#) (by extension)
Sub-types: None

Name [_SpecialDayTypeEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    com:SpecialDayTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_SpecialDayTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="com:SpecialDayTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

Complex Type: **_TimePrecisionEnum**

Super-types: [xs:string](#) < [TimePrecisionEnum](#) (by restriction) < [_TimePrecisionEnum](#) (by extension)
Sub-types: None

Name [_TimePrecisionEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    com:TimePrecisionEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_TimePrecisionEnum">  
  <xs:simpleContent>  
    <xs:extension base="com:TimePrecisionEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

Complex Type: **_UrlLinkTypeEnum**

Super-types: [xs:string](#) < [UrlLinkTypeEnum](#) (by restriction) < [_UrlLinkTypeEnum](#) (by extension)
Sub-types: None

Name [_UrlLinkTypeEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  com:UrlLinkTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_UrlLinkTypeEnum">
  <xs:simpleContent>
    <xs:extension base="com:UrlLinkTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ValidityStatusEnum**

Super-types:xs:string < [ValidityStatusEnum](#) (by restriction) < [_ValidityStatusEnum](#) (by extension)

Sub-types:None

Name _ValidityStatusEnum
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  com:ValidityStatusEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ValidityStatusEnum">
  <xs:simpleContent>
    <xs:extension base="com:ValidityStatusEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_VehicleCharacteristicsExtensionType**

Super-types:None

Sub-types:None

Name _VehicleCharacteristicsExtensionType
Abstract no

XML Instance Representation

```
<...>
  <com:vehicleCharacteristicsExtended> comx:VehicleCharacteristicsExtended </com:vehicleCharacteristicsExtended>
  [0..1]
  Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="_VehicleCharacteristicsExtensionType">
  <xs:sequence>
    <xs:element name="vehicleCharacteristicsExtended" type="comx:VehicleCharacteristicsExtended" minOccurs="0"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **_VehicleEquipmentEnum**

Super-types:xs:string < [VehicleEquipmentEnum](#) (by restriction) < [_VehicleEquipmentEnum](#) (by extension)

Sub-types:None

Name _VehicleEquipmentEnum
Abstract no

XML Instance Representation

```
<...
  _extendedValue="com:_VehicleEquipmentEnumExtensionType [0..1]">
  com:VehicleEquipmentEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_VehicleEquipmentEnum">
```

```
<xs:simpleContent>
  <xs:extension base="com:VehicleEquipmentEnum">
    <xs:attribute name="_extendedValue" type="com:_VehicleEquipmentEnumExtensionType"/>
  </xs:extension>
</xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_VehicleTypeEnum**

Super-types: [xs:string](#) < [VehicleTypeEnum](#) (by restriction) < [_VehicleTypeEnum](#) (by extension)
Sub-types: None

Name [_VehicleTypeEnum](#)
Abstract no

XML Instance Representation

```
<...
  _extendedValue="com:_VehicleTypeEnumExtensionType [0..1]">
  com:VehicleTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_VehicleTypeEnum">
  <xs:simpleContent>
    <xs:extension base="com:VehicleTypeEnum">
      <xs:attribute name="_extendedValue" type="com:_VehicleTypeEnumExtensionType"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_VehicleUsageEnum**

Super-types: [xs:string](#) < [VehicleUsageEnum](#) (by restriction) < [_VehicleUsageEnum](#) (by extension)
Sub-types: None

Name [_VehicleUsageEnum](#)
Abstract no

XML Instance Representation

```
<...
  _extendedValue="com:_VehicleUsageEnumExtensionType [0..1]">
  com:VehicleUsageEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_VehicleUsageEnum">
  <xs:simpleContent>
    <xs:extension base="com:VehicleUsageEnum">
      <xs:attribute name="_extendedValue" type="com:_VehicleUsageEnumExtensionType"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_WeightTypeEnum**

Super-types: [xs:string](#) < [WeightTypeEnum](#) (by restriction) < [_WeightTypeEnum](#) (by extension)
Sub-types: None

Name [_WeightTypeEnum](#)
Abstract no

XML Instance Representation

```
<...
  _extendedValue="com:_WeightTypeEnumExtensionType [0..1]">
  com:WeightTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_WeightTypeEnum">
  <xs:simpleContent>
    <xs:extension base="com:WeightTypeEnum">
      <xs:attribute name="_extendedValue" type="com:_WeightTypeEnumExtensionType"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_WinterEquipmentManagementTypeEnum**

Super-types:	xs:string < WinterEquipmentManagementTypeEnum (by restriction) < _WinterEquipmentManagementTypeEnum (by extension)
Sub-types:	None

Name	_WinterEquipmentManagementTypeEnum
Abstract	no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    com:WinterEquipmentManagementTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_WinterEquipmentManagementTypeEnum">
  <xs:simpleContent>
    <xs:extension base="com:WinterEquipmentManagementTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Simple Type: **AngleInDegrees**

Super-types:	xs:nonNegativeInteger < NonNegativeInteger (by restriction) < AngleInDegrees (by restriction)
Sub-types:	None

Name	AngleInDegrees
Content	- Base XSD Type: nonNegativeInteger 0 <= value <= 359
Documentation	An integer number representing an angle in whole degrees between 0 and 359.

Schema Component Representation

```
<xs:simpleType name="AngleInDegrees">
  <xs:restriction base="com:NonNegativeInteger">
    <xs:minInclusive value="0"/>
    <xs:maxInclusive value="359"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **Base64Binary**

Super-types:	xs:base64Binary < Base64Binary (by restriction)
Sub-types:	None

Name	Base64Binary
Content	Base XSD Type: base64Binary
Documentation	Binary data in base 64 encoding, for example for image data.

Schema Component Representation

```
<xs:simpleType name="Base64Binary">
  <xs:restriction base="xs:base64Binary"/>
</xs:simpleType>
```

[top](#)

Simple Type: **Boolean**

Super-types:	xs:boolean < Boolean (by restriction)
Sub-types:	None

Name	Boolean
Content	Base XSD Type: boolean
Documentation	Boolean has the value space required to support the mathematical concept of binary-valued logic: {true, false}.

Schema Component Representation

```
<xs:simpleType name="Boolean">
  <xs:restriction base="xs:boolean"/>
</xs:simpleType>
```

[top](#)

Simple Type: **CalendarWeekWithinMonthEnum**

--	--

Super-types: [xs:string](#) < **CalendarWeekWithinMonthEnum** (by restriction)

Sub-types:

- [_CalendarWeekWithinMonthEnum](#) (by extension)

Name CalendarWeekWithinMonthEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'firstWeek'|'secondWeek'|'thirdWeek'|'fourthWeek'|'fifthWeek'|'sixthWeek'|'lastWeek'|'_extended'}

Documentation Calendar week within month (see ISO8601).

Schema Component Representation

```
<xs:simpleType name="CalendarWeekWithinMonthEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="firstWeek"/>
    <xs:enumeration value="secondWeek"/>
    <xs:enumeration value="thirdWeek"/>
    <xs:enumeration value="fourthWeek"/>
    <xs:enumeration value="fifthWeek"/>
    <xs:enumeration value="sixthWeek"/>
    <xs:enumeration value="lastWeek"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ComparisonOperatorEnum**

Super-types: [xs:string](#) < **ComparisonOperatorEnum** (by restriction)

Sub-types:

- [_ComparisonOperatorEnum](#) (by extension)

Name ComparisonOperatorEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'equalTo'|'greaterThan'|'greaterThanOrEqualTo'|'lessThan'|'lessThanOrEqualTo'|'_extended'}

Documentation Logical comparison operations.

Schema Component Representation

```
<xs:simpleType name="ComparisonOperatorEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="equalTo"/>
    <xs:enumeration value="greaterThan"/>
    <xs:enumeration value="greaterThanOrEqualTo"/>
    <xs:enumeration value="lessThan"/>
    <xs:enumeration value="lessThanOrEqualTo"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ComputationMethodEnum**

Super-types: [xs:string](#) < **ComputationMethodEnum** (by restriction)

Sub-types:

- [_ComputationMethodEnum](#) (by extension)

Name ComputationMethodEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'arithmeticAverageOfSamplesBasedOnAFixedNumberOfSamples'|'arithmeticAverageOfSamplesInATimePeriod'|'harmonicAverageOfSamplesInATimePeriod'|'_extended'}

Documentation Types of computational methods used in deriving data values for data sets.

Schema Component Representation

```
<xs:simpleType name="ComputationMethodEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="arithmeticAverageOfSamplesBasedOnAFixedNumberOfSamples"/>
    <xs:enumeration value="arithmeticAverageOfSamplesInATimePeriod"/>
    <xs:enumeration value="harmonicAverageOfSamplesInATimePeriod"/>
    <xs:enumeration value="medianOfSamplesInATimePeriod"/>
    <xs:enumeration value="movingAverageOfSamples"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ConfidentialityValueEnum**

Super-types: [xs:string](#) < **ConfidentialityValueEnum** (by restriction)

Sub-types:

- [_ConfidentialityValueEnum](#) (by extension)

Name	ConfidentialityValueEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: <code>{'internalUse' 'noRestriction' 'restrictedToAuthorities' 'restrictedToAuthoritiesAndTrafficOperators' '_extended'}</code>
Documentation	Values of confidentiality.

Schema Component Representation

```
<xs:simpleType name="ConfidentialityValueEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="internalUse"/>
    <xs:enumeration value="noRestriction"/>
    <xs:enumeration value="restrictedToAuthorities"/>
    <xs:enumeration value="restrictedToAuthoritiesAndTrafficOperators"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **CountryCode**

Super-types:	xs:string < String (by restriction) < CountryCode (by restriction)
Sub-types:	None

Name	CountryCode
Content	• Base XSD Type: string • <i>length</i> <= 1024 • <i>length</i> <= 2
Documentation	EN ISO 3166-1 alpha-2 two-letter country code

Schema Component Representation

```
<xs:simpleType name="CountryCode">
  <xs:restriction base="com:String">
    <xs:maxLength value="2"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **CubicMetres**

Super-types:	xs:float < Float (by restriction) < CubicMetres (by restriction)
Sub-types:	None

Name	CubicMetres
Content	• Base XSD Type: float
Documentation	A volumetric measure defined in cubic metres.

Schema Component Representation

```
<xs:simpleType name="CubicMetres">
  <xs:restriction base="com:Float"/>
</xs:simpleType>
```

[top](#)

Simple Type: **DangerousGoodsRegulationsEnum**

Super-types:	xs:string < DangerousGoodsRegulationsEnum (by restriction)
Sub-types:	• _DangerousGoodsRegulationsEnum (by extension)

Name	DangerousGoodsRegulationsEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: <code>{'adr' 'iataIcao' 'imoImdg' 'railroadDangerousGoodsBook' '_extended'}</code>
Documentation	Types of dangerous goods regulations.

Schema Component Representation

```
<xs:simpleType name="DangerousGoodsRegulationsEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="adr"/>
    <xs:enumeration value="iataIcao"/>
    <xs:enumeration value="imoImdg"/>
    <xs:enumeration value="railroadDangerousGoodsBook"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **Date**

Super-types:	xs:date < Date (by restriction)
Sub-types:	None

Name Date

Content

- Base XSD Type: date

Documentation A combination of year, month and day integer-valued properties plus an optional timezone property. It represents an interval of exactly one day, beginning on the first moment of the day in the timezone, i.e. '00:00:00' up to but not including '24:00:00'.

Schema Component Representation

```
<xs:simpleType name="Date">
  <xs:restriction base="xs:date"/>
</xs:simpleType>
```

[top](#)

Simple Type: **DateTime**

Super-types:	xs:dateTime < DateTime (by restriction)
Sub-types:	None

Name DateTime

Content

- Base XSD Type: dateTime

Documentation A combination of integer-valued year, month, day, hour, minute properties, a decimal-valued second property and a time zone property from which it is possible to determine the local time, the equivalent UTC time and the time zone offset from UTC.

Schema Component Representation

```
<xs:simpleType name="DateTime">
  <xs:restriction base="xs:dateTime"/>
</xs:simpleType>
```

[top](#)

Simple Type: **DayEnum**

Super-types:	xs:string < DayEnum (by restriction)
Sub-types:	• _DayEnum (by extension)

Name DayEnum

Content

- Base XSD Type: string
- *value* comes from list: {'monday'|'tuesday'|'wednesday'|'thursday'|'friday'|'saturday'|'sunday'|'_extended'}

Documentation Days of the week.

Schema Component Representation

```
<xs:simpleType name="DayEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="monday"/>
    <xs:enumeration value="tuesday"/>
    <xs:enumeration value="wednesday"/>
    <xs:enumeration value="thursday"/>
    <xs:enumeration value="friday"/>
    <xs:enumeration value="saturday"/>
    <xs:enumeration value="sunday"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **Decimal**

Super-types:	xs:decimal < Decimal (by restriction)
Sub-types:	None

Name Decimal

Content

- Base XSD Type: decimal

Documentation A decimal number whose value space is the set of numbers that can be obtained by multiplying an integer by a non-positive power of ten, i.e., expressible as $i \times 10^{-n}$ where i and n are integers and $n \geq 0$.

Schema Component Representation

```
<xs:simpleType name="Decimal">
  <xs:restriction base="xs:decimal"/>
</xs:simpleType>
```

Simple Type: **EmissionClassificationEuroEnum**

Super-types: [xs:string](#) < **EmissionClassificationEuroEnum** (by restriction)

Sub-types:

- [_EmissionClassificationEuroEnum](#) (by extension)

Name EmissionClassificationEuroEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'euro5'|'euro5a'|'euro5b'|'euro6'|'euro6a'|'euro6b'|'euro6c'|'euroV'|'euroVI'|'other'|'_extended'}

Documentation Classification of emission according to the Euro emission classification (based on serveral amendments on 1970 Directive 70/220/EEC). Note htat vehicleType as well as fuelType are mandatory to provide to make this classification explicit.

Schema Component Representation

```
<xs:simpleType name="EmissionClassificationEuroEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="euro5"/>
    <xs:enumeration value="euro5a"/>
    <xs:enumeration value="euro5b"/>
    <xs:enumeration value="euro6"/>
    <xs:enumeration value="euro6a"/>
    <xs:enumeration value="euro6b"/>
    <xs:enumeration value="euro6c"/>
    <xs:enumeration value="euroV"/>
    <xs:enumeration value="euroVI"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: **Float**

Super-types: [xs:float](#) < **Float** (by restriction)

Sub-types:

- [CubicMetres](#) (by restriction)
- [KilometresPerHour](#) (by restriction)
- [MetresAsFloat](#) (by restriction)
- [Percentage](#) (by restriction)
- [Seconds](#) (by restriction)
- [TemperatureCelsius](#) (by restriction)
- [Tonnes](#) (by restriction)

Name Float

Content

- Base XSD Type: float

Documentation A floating point number whose value space consists of the values $m \times 2^e$, where m is an integer whose absolute value is less than 2^{24} , and e is an integer between -149 and 104, inclusive.

Schema Component Representation

```
<xs:simpleType name="Float">
  <xs:restriction base="xs:float"/>
</xs:simpleType>
```

Simple Type: **FuelTypeEnum**

Super-types: [xs:string](#) < **FuelTypeEnum** (by restriction)

Sub-types:

- [_FuelTypeEnum](#) (by extension)

Name FuelTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'all'|'battery'|'biodiesel'|'diesel'|'dieselBatteryHybrid'|'ethanol'|'hydrogen'|'liquidGas'|'lpg'|'methane'|'petrol'|'petrol95Octane'|'petrol98Octane'|'petrolBatt

Documentation Type of fuel used by a vehicle.

Schema Component Representation

```
<xs:simpleType name="FuelTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="all"/>
    <xs:enumeration value="battery"/>
    <xs:enumeration value="biodiesel"/>
    <xs:enumeration value="diesel"/>
    <xs:enumeration value="dieselBatteryHybrid"/>
    <xs:enumeration value="ethanol"/>
    <xs:enumeration value="hydrogen"/>
    <xs:enumeration value="liquidGas"/>
    <xs:enumeration value="lpg"/>
    <xs:enumeration value="methane"/>
    <xs:enumeration value="petrol"/>
  </xs:restriction>
</xs:simpleType>
```



```

<xs:enumeration value="petrol1950octane"/>
<xs:enumeration value="petrol1980octane"/>
<xs:enumeration value="petrolBatteryHybrid"/>
<xs:enumeration value="petrolLeaded"/>
<xs:enumeration value="petrolUnleaded"/>
<xs:enumeration value="unknown"/>
<xs:enumeration value="other"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>

```

[top](#)

Simple Type: **InformationDeliveryServicesEnum**

Super-types: [xs:string](#) < **InformationDeliveryServicesEnum** (by restriction)

Sub-types:

- [_InformationDeliveryServicesEnum](#) (by extension)

Name InformationDeliveryServicesEnum

Content

- Base XSD Type: string
- *value* comes from list: {'anyGeneralDeliveryService'|'safetyServices'|'vms'|'_extended'}

Documentation List of service channels or devices on which information or data exchanged can be delivered.

Schema Component Representation

```

<xs:simpleType name="InformationDeliveryServicesEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="anyGeneralDeliveryService"/>
    <xs:enumeration value="safetyServices"/>
    <xs:enumeration value="vms"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>

```

[top](#)

Simple Type: **InformationStatusEnum**

Super-types: [xs:string](#) < **InformationStatusEnum** (by restriction)

Sub-types:

- [_InformationStatusEnum](#) (by extension)

Name InformationStatusEnum

Content

- Base XSD Type: string
- *value* comes from list: {'real'|'securityExercise'|'technicalExercise'|'test'|'_extended'}

Documentation Status of the related information (i.e. real, test or exercise).

Schema Component Representation

```

<xs:simpleType name="InformationStatusEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="real"/>
    <xs:enumeration value="securityExercise"/>
    <xs:enumeration value="technicalExercise"/>
    <xs:enumeration value="test"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>

```

[top](#)

Simple Type: **InstanceOfDayEnum**

Super-types: [xs:string](#) < **InstanceOfDayEnum** (by restriction)

Sub-types:

- [_InstanceOfDayEnum](#) (by extension)

Name InstanceOfDayEnum

Content

- Base XSD Type: string
- *value* comes from list: {'firstInstance'|'secondInstance'|'thirdInstance'|'fourthInstance'|'fifthInstance'|'lastInstance'|'_extended'}

Documentation Instances of a day of the week in a month

Schema Component Representation

```

<xs:simpleType name="InstanceOfDayEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="firstInstance"/>
    <xs:enumeration value="secondInstance"/>
    <xs:enumeration value="thirdInstance"/>
    <xs:enumeration value="fourthInstance"/>
    <xs:enumeration value="fifthInstance"/>
    <xs:enumeration value="lastInstance"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>

```

```
</xs:simpleType>
```

[top](#)

Simple Type: **Integer**

Super-types: [xs:integer](#) < **Integer** (by restriction)

Sub-types: None

Name Integer

Content

- Base XSD Type: integer

Documentation An integer number whose value space is the set {-2147483648, -2147483647, -2147483646, ..., -2, -1, 0, 1, 2, ..., 2147483645, 2147483646, 2147483647}.

Schema Component Representation

```
<xs:simpleType name="Integer">
  <xs:restriction base="xs:integer"/>
</xs:simpleType>
```

[top](#)

Simple Type: **KilometresPerHour**

Super-types: [xs:float](#) < [Float](#) (by restriction) < **KilometresPerHour** (by restriction)

Sub-types: None

Name KilometresPerHour

Content

- Base XSD Type: float

Documentation A measure of speed defined in kilometres per hour.

Schema Component Representation

```
<xs:simpleType name="KilometresPerHour">
  <xs:restriction base="com:Float"/>
</xs:simpleType>
```

[top](#)

Simple Type: **Language**

Super-types: [xs:language](#) < **Language** (by restriction)

Sub-types: None

Name Language

Content

- Base XSD Type: language

Documentation A language datatype, identifies a specified language by an ISO 639-1 2-alpha code.

Schema Component Representation

```
<xs:simpleType name="Language">
  <xs:restriction base="xs:language"/>
</xs:simpleType>
```

[top](#)

Simple Type: **LoadTypeEnum**

Super-types: [xs:string](#) < **LoadTypeEnum** (by restriction)

Sub-types:

- [LoadTypeEnum](#) (by extension)

Name LoadTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{*abnormalLoad* | *ammunition* | *chemicals* | *combustibleMaterials* | *corrosiveMaterials* | *debris* | *empty* | *explosiveMaterials* | *extraHighLoad* | *extraLongLo*}

Documentation Types of load carried by a vehicle.

Schema Component Representation

```
<xs:simpleType name="LoadTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="abnormalLoad"/>
    <xs:enumeration value="ammunition"/>
    <xs:enumeration value="chemicals"/>
    <xs:enumeration value="combustibleMaterials"/>
    <xs:enumeration value="corrosiveMaterials"/>
    <xs:enumeration value="debris"/>
    <xs:enumeration value="empty"/>
    <xs:enumeration value="explosiveMaterials"/>
    <xs:enumeration value="extraHighLoad"/>
    <xs:enumeration value="extraLongLoad"/>
    <xs:enumeration value="extraWideLoad"/>
  </xs:restriction>
</xs:simpleType>
```

```
<xs:enumeration value="fuel"/>
<xs:enumeration value="glass"/>
<xs:enumeration value="goods"/>
<xs:enumeration value="hazardousMaterials"/>
<xs:enumeration value="liquid"/>
<xs:enumeration value="livestock"/>
<xs:enumeration value="materials"/>
<xs:enumeration value="materialsDangerousForPeople"/>
<xs:enumeration value="materialsDangerousForTheEnvironment"/>
<xs:enumeration value="materialsDangerousForWater"/>
<xs:enumeration value="oil"/>
<xs:enumeration value="ordinary"/>
<xs:enumeration value="perishableProducts"/>
<xs:enumeration value="petrol"/>
<xs:enumeration value="pharmaceuticalMaterials"/>
<xs:enumeration value="radioactiveMaterials"/>
<xs:enumeration value="refrigeratedGoods"/>
<xs:enumeration value="refuse"/>
<xs:enumeration value="toxicMaterials"/>
<xs:enumeration value="vehicles"/>
<xs:enumeration value="other"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **LongString**

Super-types: [xs:string](#) < **LongString** (by restriction)

Sub-types: None

Name LongString

Content

- Base XSD Type: string

Documentation A character string with no specified length limit, whose value space is the set of finite-length sequences of characters. Every character has a corresponding Universal Character Set code point (as defined in ISO/IEC 10646), which is an integer.

Schema Component Representation

```
<xs:simpleType name="LongString">
  <xs:restriction base="xs:string"/>
</xs:simpleType>
```

[top](#)

Simple Type: **LowEmissionLevelEnum**

Super-types: [xs:string](#) < **LowEmissionLevelEnum** (by restriction)

Sub-types:

- [_LowEmissionLevelEnum](#) (by extension)

Name LowEmissionLevelEnum

Content

- Base XSD Type: string
- *value* comes from list: {'lowLevelEmission'|'freeOfEmission'|'_extended'}

Documentation The emission level of a vehicle.

Schema Component Representation

```
<xs:simpleType name="LowEmissionLevelEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="lowLevelEmission"/>
    <xs:enumeration value="freeOfEmission"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **MetresAsFloat**

Super-types: [xs:float](#) < [Float](#) (by restriction) < **MetresAsFloat** (by restriction)

Sub-types: None

Name MetresAsFloat

Content

- Base XSD Type: float

Documentation A measure of distance defined in metres in a floating point format.

Schema Component Representation

```
<xs:simpleType name="MetresAsFloat">
  <xs:restriction base="com:Float"/>
</xs:simpleType>
```

[top](#)

Simple Type: **MetresAsNonNegativeInteger**

Super-types: [xs:nonNegativeInteger](#) < [NonNegativeInteger](#) (by restriction) < **MetresAsNonNegativeInteger** (by restriction)

Sub-types: None

Name MetresAsNonNegativeInteger

Content

- Base XSD Type: nonNegativeInteger

Documentation A measure of distance defined in metres in a non negative integer format.

Schema Component Representation

```
<xs:simpleType name="MetresAsNonNegativeInteger">
  <xs:restriction base="com:NonNegativeInteger"/>
</xs:simpleType>
```

[top](#)

Simple Type: MonthOfYearEnum

Super-types: [xs:string](#) < **MonthOfYearEnum** (by restriction)

Sub-types:

- [_MonthOfYearEnum](#) (by extension)

Name MonthOfYearEnum

Content

- Base XSD Type: string
- *value* comes from list:
{january|february|march|april|may|june|july|august|september|october|november|december|_extended}

Documentation A list of the months of the year.

Schema Component Representation

```
<xs:simpleType name="MonthOfYearEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="january"/>
    <xs:enumeration value="february"/>
    <xs:enumeration value="march"/>
    <xs:enumeration value="april"/>
    <xs:enumeration value="may"/>
    <xs:enumeration value="june"/>
    <xs:enumeration value="july"/>
    <xs:enumeration value="august"/>
    <xs:enumeration value="september"/>
    <xs:enumeration value="october"/>
    <xs:enumeration value="november"/>
    <xs:enumeration value="december"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: MultilingualStringValue

Super-types: [xs:string](#) < **MultilingualStringValue** (by restriction)

Sub-types:

- [MultilingualStringValue](#) (by extension)

Name MultilingualStringValue

Content

- Base XSD Type: string
- *length* <= 1024

Schema Component Representation

```
<xs:simpleType name="MultilingualStringValue">
  <xs:restriction base="xs:string">
    <xs:maxLength value="1024"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: NonNegativeInteger

Super-types: [xs:nonNegativeInteger](#) < **NonNegativeInteger** (by restriction)

Sub-types:

- [AngleInDegrees](#) (by restriction)
- [MetresAsNonNegativeInteger](#) (by restriction)
- [VehiclesPerHour](#) (by restriction)
- [Year](#) (by restriction)

Name NonNegativeInteger

Content

- Base XSD Type: nonNegativeInteger

Documentation An integer number whose value space is the set {0, 1, 2, ..., 2147483645, 2147483646, 2147483647}.

Schema Component Representation

```
<xs:simpleType name="NonNegativeInteger">
  <xs:restriction base="xs:nonNegativeInteger"/>
</xs:simpleType>
```

[top](#)

Simple Type: **Percentage**

Super-types: [xs:float](#) < [Float](#) (by restriction) < **Percentage** (by restriction)

Sub-types: None

Name Percentage

Content

- Base XSD Type: float

Documentation A measure of percentage.

Schema Component Representation

```
<xs:simpleType name="Percentage">
  <xs:restriction base="com:Float"/>
</xs:simpleType>
```

[top](#)

Simple Type: **PublicEventTypeEnum**

Super-types: [xs:string](#) < **PublicEventTypeEnum** (by restriction)

Sub-types:

- [_PublicEventTypeEnum](#) (by extension)

Name PublicEventTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{agriculturalShow|airShow|artEvent|athleticsMeeting|commercialEvent|culturalEvent|ballGame|baseballGame|basketballGame|beerFestival|

Documentation Types of public events.

Schema Component Representation

```
<xs:simpleType name="PublicEventTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="agriculturalShow"/>
    <xs:enumeration value="airShow"/>
    <xs:enumeration value="artEvent"/>
    <xs:enumeration value="athleticsMeeting"/>
    <xs:enumeration value="commercialEvent"/>
    <xs:enumeration value="culturalEvent"/>
    <xs:enumeration value="ballGame"/>
    <xs:enumeration value="baseballGame"/>
    <xs:enumeration value="basketballGame"/>
    <xs:enumeration value="beerFestival"/>
    <xs:enumeration value="bicycleRace"/>
    <xs:enumeration value="boatRace"/>
    <xs:enumeration value="boatShow"/>
    <xs:enumeration value="boxingTournament"/>
    <xs:enumeration value="bullFight"/>
    <xs:enumeration value="ceremonialEvent"/>
    <xs:enumeration value="concert"/>
    <xs:enumeration value="cricketMatch"/>
    <xs:enumeration value="exhibition"/>
    <xs:enumeration value="fair"/>
    <xs:enumeration value="festival"/>
    <xs:enumeration value="filmFestival"/>
    <xs:enumeration value="filmTVMaking"/>
    <xs:enumeration value="fireworkDisplay"/>
    <xs:enumeration value="flowerEvent"/>
    <xs:enumeration value="foodFestival"/>
    <xs:enumeration value="footballMatch"/>
    <xs:enumeration value="funfair"/>
    <xs:enumeration value="gardeningOrFlowerShow"/>
    <xs:enumeration value="golfTournament"/>
    <xs:enumeration value="hockeyGame"/>
    <xs:enumeration value="horseRaceMeeting"/>
    <xs:enumeration value="internationalSportsMeeting"/>
    <xs:enumeration value="majorEvent"/>
    <xs:enumeration value="marathon"/>
    <xs:enumeration value="market"/>
    <xs:enumeration value="match"/>
    <xs:enumeration value="motorShow"/>
    <xs:enumeration value="motorSportRaceMeeting"/>
    <xs:enumeration value="openAirConcert"/>
    <xs:enumeration value="parade"/>
    <xs:enumeration value="procession"/>
    <xs:enumeration value="raceMeeting"/>
    <xs:enumeration value="rugbyMatch"/>
    <xs:enumeration value="severalMajorEvents"/>
    <xs:enumeration value="show"/>
    <xs:enumeration value="showJumping"/>
    <xs:enumeration value="soundAndLightShow"/>
    <xs:enumeration value="sportsMeeting"/>
    <xs:enumeration value="stateOccasion"/>
    <xs:enumeration value="streetFestival"/>
    <xs:enumeration value="tennisTournament"/>
    <xs:enumeration value="theatricalEvent"/>
    <xs:enumeration value="tournament"/>
  </xs:restriction>
</xs:simpleType>
```

```
<xs:enumeration value="tradeFair"/>
<xs:enumeration value="waterSportsMeeting"/>
<xs:enumeration value="wineFestival"/>
<xs:enumeration value="winterSportsMeeting"/>
<xs:enumeration value="unknown"/>
<xs:enumeration value="other"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **Seconds**

Super-types: [xs:float](#) < [Float](#) (by restriction) < **Seconds** (by restriction)

Sub-types: None

Name Seconds

Content

- Base XSD Type: float

Documentation Seconds.

Schema Component Representation

```
<xs:simpleType name="Seconds">
  <xs:restriction base="com:Float"/>
</xs:simpleType>
```

[top](#)

Simple Type: **SpecialDayTypeEnum**

Super-types: [xs:string](#) < **SpecialDayTypeEnum** (by restriction)

Sub-types:

- [_SpecialDayTypeEnum](#) (by extension)

Name SpecialDayTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'dayBeforePublicHoliday'|'publicHoliday'|'dayFollowingPublicHoliday'|'longWeekendDay'|'inLieuOfPublicHoliday'|'schoolDay'|'schoolHolidays'|'publicEventDay'|'other'|'_extended'}

Documentation Collection of special types of days.

Schema Component Representation

```
<xs:simpleType name="SpecialDayTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="dayBeforePublicHoliday"/>
    <xs:enumeration value="publicHoliday"/>
    <xs:enumeration value="dayFollowingPublicHoliday"/>
    <xs:enumeration value="longWeekendDay"/>
    <xs:enumeration value="inLieuOfPublicHoliday"/>
    <xs:enumeration value="schoolDay"/>
    <xs:enumeration value="schoolHolidays"/>
    <xs:enumeration value="publicEventDay"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **String**

Super-types: [xs:string](#) < **String** (by restriction)

Sub-types:

- [CountryCode](#) (by restriction)

Name String

Content

- Base XSD Type: string
- *length* <= 1024

Documentation A character string whose value space is the set of finite-length sequences of characters. Every character has a corresponding Universal Character Set code point (as defined in ISO/IEC 10646), which is an integer.

Schema Component Representation

```
<xs:simpleType name="String">
  <xs:restriction base="xs:string">
    <xs:maxLength value="1024"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **TemperatureCelsius**

Super-types: [xs:float](#) < [Float](#) (by restriction) < **TemperatureCelsius** (by restriction)

Sub-types:	None
Name	TemperatureCelsius
Content	Base XSD Type: float
Documentation	A measure of temperature defined in degrees Celsius.
Schema Component Representation	
<pre><xs:simpleType name="TemperatureCelsius"> <xs:restriction base="com:Float"/> </xs:simpleType></pre>	

[top](#)

Simple Type: Time

Super-types:	xs:time < Time (by restriction)
Sub-types:	None
Name	Time
Content	Base XSD Type: time
Documentation	An instant of time that recurs every day. The value space of time is the space of time of day values as defined in § 5.3 of [ISO 8601]. Specifically, it is a set of zero-duration daily time instances.
Schema Component Representation	
<pre><xs:simpleType name="Time"> <xs:restriction base="xs:time"/> </xs:simpleType></pre>	

[top](#)

Simple Type: TimePrecisionEnum

Super-types:	xs:string < TimePrecisionEnum (by restriction)
Sub-types:	_TimePrecisionEnum (by extension)
Name	TimePrecisionEnum
Content	- Base XSD Type: string <i>value</i> comes from list: {<i>tenthsOfSecond</i> <i>second</i> <i>minute</i> <i>quarterHour</i> <i>halfHour</i> <i>hour</i> <i>_extended</i>}
Documentation	List of precisions to which times can be given.
Schema Component Representation	
<pre><xs:simpleType name="TimePrecisionEnum"> <xs:restriction base="xs:string"> <xs:enumeration value="tenthsOfSecond"/> <xs:enumeration value="second"/> <xs:enumeration value="minute"/> <xs:enumeration value="quarterHour"/> <xs:enumeration value="halfHour"/> <xs:enumeration value="hour"/> <xs:enumeration value="_extended"/> </xs:restriction> </xs:simpleType></pre>	

[top](#)

Simple Type: Tonnes

Super-types:	xs:float < Float (by restriction) < Tonnes (by restriction)
Sub-types:	None
Name	Tonnes
Content	Base XSD Type: float
Documentation	A measure of weight defined in metric tonnes.
Schema Component Representation	
<pre><xs:simpleType name="Tonnes"> <xs:restriction base="com:Float"/> </xs:simpleType></pre>	

[top](#)

Simple Type: Url

Super-types:	xs:anyURI < Url (by restriction)
Sub-types:	None

Name	Url
Content	• Base XSD Type: anyURI
Documentation	A Uniform Resource Locator (URL) address comprising a compact string of characters for a resource available on the Internet.

Schema Component Representation

```
<xs:simpleType name="Url">
  <xs:restriction base="xs:anyURI" />
</xs:simpleType>
```

[top](#)

Simple Type: **UrlLinkTypeEnum**

Super-types:	xs:string < UrlLinkTypeEnum (by restriction)
Sub-types:	• _UrlLinkTypeEnum (by extension)

Name	UrlLinkTypeEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: {documentPdf html image rss videoStream voiceStream other _extended}
Documentation	Types of URL links.

Schema Component Representation

```
<xs:simpleType name="UrlLinkTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="documentPdf"/>
    <xs:enumeration value="html"/>
    <xs:enumeration value="image"/>
    <xs:enumeration value="rss"/>
    <xs:enumeration value="videoStream"/>
    <xs:enumeration value="voiceStream"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ValidityStatusEnum**

Super-types:	xs:string < ValidityStatusEnum (by restriction)
Sub-types:	• _ValidityStatusEnum (by extension)

Name	ValidityStatusEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: {active planned suspended definedByValidityTimeSpec _extended}
Documentation	Values of validity status that can be assigned to a described event, action or item.

Schema Component Representation

```
<xs:simpleType name="ValidityStatusEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="active"/>
    <xs:enumeration value="planned"/>
    <xs:enumeration value="suspended"/>
    <xs:enumeration value="definedByValidityTimeSpec"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **VehicleEquipmentEnum**

Super-types:	xs:string < VehicleEquipmentEnum (by restriction)
Sub-types:	• _VehicleEquipmentEnum (by extension)

Name	VehicleEquipmentEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: {notUsingSnowChains notUsingSnowChainsOrTyres snowChainsInUse snowTyresInUse snowChainsOrTyresInUse withoutSnowTyresOrChains}
Documentation	Types of vehicle equipment in use or on board.

Schema Component Representation

```
<xs:simpleType name="VehicleEquipmentEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="notUsingSnowChains"/>
    <xs:enumeration value="notUsingSnowChainsOrTyres"/>
  </xs:restriction>
</xs:simpleType>
```



```
<xs:enumeration value="snowChainsInUse"/>
<xs:enumeration value="snowTyresInUse"/>
<xs:enumeration value="snowChainsOrTyresInUse"/>
<xs:enumeration value="withoutSnowTyresOrChainsOnBoard"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **VehicleTypeEnum**

Super-types: [xs:string](#) < **VehicleTypeEnum** (by restriction)

Sub-types:

- [_VehicleTypeEnum](#) (by extension)

Name VehicleTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{agriculturalVehicle|anyVehicle|articulatedBus|articulatedTrolleyBus|articulatedVehicle|bicycle|bus|car|caravan|carOrLightVehicle|carWithCa

Documentation Types of vehicle.

Schema Component Representation

```
<xs:simpleType name="VehicleTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="agriculturalVehicle"/>
    <xs:enumeration value="anyVehicle"/>
    <xs:enumeration value="articulatedBus"/>
    <xs:enumeration value="articulatedTrolleyBus"/>
    <xs:enumeration value="articulatedVehicle"/>
    <xs:enumeration value="bicycle"/>
    <xs:enumeration value="bus"/>
    <xs:enumeration value="car"/>
    <xs:enumeration value="caravan"/>
    <xs:enumeration value="carOrLightVehicle"/>
    <xs:enumeration value="carWithCaravan"/>
    <xs:enumeration value="carWithTrailer"/>
    <xs:enumeration value="constructionOrMaintenanceVehicle"/>
    <xs:enumeration value="fourWheelDrive"/>
    <xs:enumeration value="heavyGoodsVehicle"/>
    <xs:enumeration value="heavyGoodsVehicleWithTrailer"/>
    <xs:enumeration value="heavyDutyTransporter"/>
    <xs:enumeration value="heavyVehicle"/>
    <xs:enumeration value="highSidedVehicle"/>
    <xs:enumeration value="lightCommercialVehicle"/>
    <xs:enumeration value="largeCar"/>
    <xs:enumeration value="largeGoodsVehicle"/>
    <xs:enumeration value="lightCommercialVehicleWithTrailer"/>
    <xs:enumeration value="longHeavyLorry"/>
    <xs:enumeration value="lorry"/>
    <xs:enumeration value="metro"/>
    <xs:enumeration value="minibus"/>
    <xs:enumeration value="moped"/>
    <xs:enumeration value="motorcycle"/>
    <xs:enumeration value="motorcycleWithSideCar"/>
    <xs:enumeration value="motorhome"/>
    <xs:enumeration value="motorscooter"/>
    <xs:enumeration value="passengerCar"/>
    <xs:enumeration value="smallCar"/>
    <xs:enumeration value="tanker"/>
    <xs:enumeration value="threeWheeledVehicle"/>
    <xs:enumeration value="trailer"/>
    <xs:enumeration value="tram"/>
    <xs:enumeration value="trolleyBus"/>
    <xs:enumeration value="twoWheeledVehicle"/>
    <xs:enumeration value="van"/>
    <xs:enumeration value="vehicleWithCaravan"/>
    <xs:enumeration value="vehicleWithCatalyticConverter"/>
    <xs:enumeration value="vehicleWithoutCatalyticConverter"/>
    <xs:enumeration value="vehicleWithTrailer"/>
    <xs:enumeration value="withEvenNumberedRegistrationPlates"/>
    <xs:enumeration value="withOddNumberedRegistrationPlates"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **VehicleUsageEnum**

Super-types: [xs:string](#) < **VehicleUsageEnum** (by restriction)

Sub-types:

- [_VehicleUsageEnum](#) (by extension)

Name VehicleUsageEnum

Content

- Base XSD Type: string
- *value* comes from list:
{agricultural|carSharing|cityLogistics|commercial|emergencyServices|military|nonCommercial|patrol|recoveryServices|roadMaintenanceOrCc

Documentation Types of usage of a vehicle.

Schema Component Representation

```
<xs:simpleType name="VehicleUsageEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="agricultural"/>
    <xs:enumeration value="carSharing"/>
    <xs:enumeration value="cityLogistics"/>
    <xs:enumeration value="commercial"/>
    <xs:enumeration value="emergencyServices"/>
    <xs:enumeration value="military"/>
    <xs:enumeration value="nonCommercial"/>
    <xs:enumeration value="patrol"/>
    <xs:enumeration value="recoveryServices"/>
    <xs:enumeration value="roadMaintenanceOrConstruction"/>
    <xs:enumeration value="roadOperator"/>
    <xs:enumeration value="taxi"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **VehiclesPerHour**

Super-types:	xs:nonNegativeInteger < NonNegativeInteger (by restriction) < VehiclesPerHour (by restriction)
Sub-types:	None

Name	VehiclesPerHour
Content	Base XSD Type: nonNegativeInteger
Documentation	Vehicles per hour.

Schema Component Representation

```
<xs:simpleType name="VehiclesPerHour">
  <xs:restriction base="com:NonNegativeInteger"/>
</xs:simpleType>
```

[top](#)

Simple Type: **WeightTypeEnum**

Super-types:	xs:string < WeightTypeEnum (by restriction)
Sub-types:	_WeightTypeEnum (by extension)

Name	WeightTypeEnum
Content	- Base XSD Type: string - value comes from list: {'actual' 'maximumPermitted' '_extended'}
Documentation	Type of weight - describing the meaning of a vehicle weight value

Schema Component Representation

```
<xs:simpleType name="WeightTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="actual"/>
    <xs:enumeration value="maximumPermitted"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **WinterEquipmentManagementTypeEnum**

Super-types:	xs:string < WinterEquipmentManagementTypeEnum (by restriction)
Sub-types:	_WinterEquipmentManagementTypeEnum (by extension)

Name	WinterEquipmentManagementTypeEnum
Content	- Base XSD Type: string - value comes from list: {'doNotUseStudTyres' 'useSnowChains' 'useSnowChainsOrTyres' 'useSnowTyres' 'winterEquipmentOnBoardRequired' 'other' '_extended'}
Documentation	Instructions relating to the use of winter equipment.

Schema Component Representation

```
<xs:simpleType name="WinterEquipmentManagementTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="doNotUseStudTyres"/>
    <xs:enumeration value="useSnowChains"/>
    <xs:enumeration value="useSnowChainsOrTyres"/>
    <xs:enumeration value="useSnowTyres"/>
    <xs:enumeration value="winterEquipmentOnBoardRequired"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: **Year**

Super-types: [xs:nonNegativeInteger](#) < [NonNegativeInteger](#) (by restriction) < **Year** (by restriction)

Sub-types: None

Name Year

Content

- Base XSD Type: nonNegativeInteger

Documentation A year.

Schema Component Representation

```
<xs:simpleType name="Year">
  <xs:restriction base="com:NonNegativeInteger"/>
</xs:simpleType>
```

Simple Type: **_EmissionClassificationEuroEnumExtensionType**

Super-types: [xs:string](#) < **_EmissionClassificationEuroEnumExtensionType** (by restriction)

Sub-types: None

Name _EmissionClassificationEuroEnumExtensionType

Content

- Base XSD Type: string
- *value* comes from list: {'euroUnknown'|'euroI'|'euroII'|'euroIII'}

Schema Component Representation

```
<xs:simpleType name="_EmissionClassificationEuroEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="euroUnknown"/>
    <xs:enumeration value="euroI"/>
    <xs:enumeration value="euroII"/>
    <xs:enumeration value="euroIII"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: **_LoadTypeEnumExtensionType**

Super-types: [xs:string](#) < **_LoadTypeEnumExtensionType** (by restriction)

Sub-types: None

Name _LoadTypeEnumExtensionType

Content

- Base XSD Type: string
- *value* comes from list: {'dangerousGoods'|'passenger'}

Schema Component Representation

```
<xs:simpleType name="_LoadTypeEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="dangerousGoods"/>
    <xs:enumeration value="passenger"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: **_VehicleEquipmentEnumExtensionType**

Super-types: [xs:string](#) < **_VehicleEquipmentEnumExtensionType** (by restriction)

Sub-types: None

Name _VehicleEquipmentEnumExtensionType

Content

- Base XSD Type: string
- *value* comes from list: {'dippedHeadlightsInUse'|'speedLimiterInUse'|'electronicTollEquipment'}

Schema Component Representation

```
<xs:simpleType name="_VehicleEquipmentEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="dippedHeadlightsInUse"/>
    <xs:enumeration value="speedLimiterInUse"/>
    <xs:enumeration value="electronicTollEquipment"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: **_VehicleTypeEnumExtensionType**

Super-types:	xs:string < _VehicleTypeEnumExtensionType (by restriction)
Sub-types:	None

Name	_VehicleTypeEnumExtensionType
Content	- Base XSD Type: string <i>value</i> comes from list: {animalDrawnVehicles electricVehicles passengerCarWithTrailer motorizedVehicles goodsVehicles nonMotorizedVehicles handcarts soloMotorcycle }

Schema Component Representation

```
<xs:simpleType name="_VehicleTypeEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="animalDrawnVehicles"/>
    <xs:enumeration value="electricVehicles"/>
    <xs:enumeration value="passengerCarWithTrailer"/>
    <xs:enumeration value="motorizedVehicles"/>
    <xs:enumeration value="goodsVehicles"/>
    <xs:enumeration value="nonMotorizedVehicles"/>
    <xs:enumeration value="handcarts"/>
    <xs:enumeration value="soloMotorcycle"/>
    <xs:enumeration value="motorizedVehiclesWithouthNumberPlate"/>
    <xs:enumeration value="motorQuadricycles"/>
    <xs:enumeration value="motorisedPersonalTransportDevices"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **_VehicleUsageEnumExtensionType**

Super-types:	xs:string < _VehicleUsageEnumExtensionType (by restriction)
Sub-types:	None

Name	_VehicleUsageEnumExtensionType
Content	- Base XSD Type: string <i>value</i> comes from list: {removals circus funFair}

Schema Component Representation

```
<xs:simpleType name="_VehicleUsageEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="removals"/>
    <xs:enumeration value="circus"/>
    <xs:enumeration value="funFair"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **_WeightTypeEnumExtensionType**

Super-types:	xs:string < _WeightTypeEnumExtensionType (by restriction)
Sub-types:	None

Name	_WeightTypeEnumExtensionType
Content	- Base XSD Type: string <i>value</i> comes from list: {combinedMaximumPermitted}

Schema Component Representation

```
<xs:simpleType name="_WeightTypeEnumExtensionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="combinedMaximumPermitted"/>
  </xs:restriction>
</xs:simpleType>
```

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DATEXII_3_D2Payload

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Schema Document Properties

Target Namespace	http://datex2.eu/schema/3/d2Payload
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.
Schema Composition	• This schema imports schema(s) from the following namespace(s): ◦ http://datex2.eu/schema/3/locationExtension (at DATEXII_3_LocationExtension.xsd) ◦ http://datex2.eu/schema/3/commonExtension (at DATEXII_3_CommonExtension.xsd) ◦ http://datex2.eu/schema/3/parking (at DATEXII_3_Parking.xsd) ◦ http://datex2.eu/schema/3/vms (at DATEXII_3_Vms.xsd) ◦ http://datex2.eu/schema/3/trafficRegulation (at DATEXII_3_TrafficRegulation.xsd) ◦ http://datex2.eu/schema/3/roadTrafficData (at DATEXII_3_RoadTrafficData.xsd) ◦ http://datex2.eu/schema/3/facilities (at DATEXII_3_Facilities.xsd) ◦ http://datex2.eu/schema/3/energyInfrastructure (at DATEXII_3_EnergyInfrastructure.xsd) ◦ http://datex2.eu/schema/3/locationReferencing (at DATEXII_3_LocationReferencing.xsd) ◦ http://datex2.eu/schema/3/common (at DATEXII_3_Common.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
locx	http://datex2.eu/schema/3/locationExtension
comx	http://datex2.eu/schema/3/commonExtension
prk	http://datex2.eu/schema/3/parking
vms	http://datex2.eu/schema/3/vms
tro	http://datex2.eu/schema/3/trafficRegulation
roa	http://datex2.eu/schema/3/roadTrafficData
fac	http://datex2.eu/schema/3/facilities
egi	http://datex2.eu/schema/3/energyInfrastructure

loc http://datex2.eu/schema/3/locationReferencing
com http://datex2.eu/schema/3/common
d2 <http://datex2.eu/schema/3/d2Payload>

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified"
version="3.3" targetNamespace="http://datex2.eu/schema/3/d2Payload">
  <xs:import namespace="http://datex2.eu/schema/3/locationExtension"
schemaLocation="DATEXII_3_LocationExtension.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/commonExtension"
schemaLocation="DATEXII_3_CommonExtension.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/parking"
schemaLocation="DATEXII_3_Parking.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/vms"
schemaLocation="DATEXII_3_Vms.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/trafficRegulation"
schemaLocation="DATEXII_3_TrafficRegulation.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/roadTrafficData"
schemaLocation="DATEXII_3_RoadTrafficData.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/facilities"
schemaLocation="DATEXII_3_Facilities.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/energyInfrastructure"
schemaLocation="DATEXII_3_EnergyInfrastructure.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/common"
schemaLocation="DATEXII_3_Common.xsd"/>
  ...
</xs:schema>
```

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Global Declarations

Element: **payload**

Name	payload
Type	com:PayloadPublication
Nilable	no
Abstract	no

XML Instance Representation

```
<d2:payload> com:PayloadPublication
<!--
  Uniqueness Constraint - \_payloadOperatingHoursSpecificationConstraint
  Selector - .//fac:operatingHoursSpecification
  Field(s) - @id, @version
-->
<!--
  Uniqueness Constraint - \_payloadParkingRouteDetailsConstraint
  Selector - .//prk:parkingRouteDetails
  Field(s) - @id, @version
-->
<!--
  Uniqueness Constraint - \_payloadParkingTableConstraint
  Selector - .//prk:parkingTable
  Field(s) - @id, @version
-->
<!--
  Uniqueness Constraint - \_payloadOrganisationSpecificationConstraint
  Selector - .//fac:organisationSpecification
  Field(s) - @id, @version
-->
```

```

<!--
Uniqueness Constraint - _payloadFacilityObjectConstraint
Selector - .//fac:facilityObject
Field(s) - @id, @version
-->
<!--
Uniqueness Constraint - _payloadPublicTransportScheduleConstraint
Selector - .//prk:publicTransportSchedule
Field(s) - @id, @version
-->
<!--
Uniqueness Constraint - _payloadOperatorDefinedPlaceConstraint
Selector - .//prk:operatorDefinedPlace
Field(s) - @id, @version
-->
<!--
Uniqueness Constraint - _payloadRateTableConstraint
Selector - .//fac:rateTable
Field(s) - @id, @version
-->
</d2:payload>

```

Schema Component Representation

```

<xs:element name="payload" type="com:PayloadPublication">
  <xs:unique name="_payloadOperatingHoursSpecificationConstraint">
    <xs:selector xpath=".//fac:operatingHoursSpecification"/>
    <xs:field xpath="@id"/>
    <xs:field xpath="@version"/>
  </xs:unique>
  <xs:unique name="_payloadParkingRouteDetailsConstraint">
    <xs:selector xpath=".//prk:parkingRouteDetails"/>
    <xs:field xpath="@id"/>
    <xs:field xpath="@version"/>
  </xs:unique>
  <xs:unique name="_payloadParkingTableConstraint">
    <xs:selector xpath=".//prk:parkingTable"/>
    <xs:field xpath="@id"/>
    <xs:field xpath="@version"/>
  </xs:unique>
  <xs:unique name="_payloadOrganisationSpecificationConstraint">
    <xs:selector xpath=".//fac:organisationSpecification"/>
    <xs:field xpath="@id"/>
    <xs:field xpath="@version"/>
  </xs:unique>
  <xs:unique name="_payloadFacilityObjectConstraint">
    <xs:selector xpath=".//fac:facilityObject"/>
    <xs:field xpath="@id"/>
    <xs:field xpath="@version"/>
  </xs:unique>
  <xs:unique name="_payloadPublicTransportScheduleConstraint">
    <xs:selector xpath=".//prk:publicTransportSchedule"/>
    <xs:field xpath="@id"/>
    <xs:field xpath="@version"/>
  </xs:unique>
  <xs:unique name="_payloadOperatorDefinedPlaceConstraint">
    <xs:selector xpath=".//prk:operatorDefinedPlace"/>
    <xs:field xpath="@id"/>
    <xs:field xpath="@version"/>
  </xs:unique>
  <xs:unique name="_payloadRateTableConstraint">
    <xs:selector xpath=".//fac:rateTable"/>
    <xs:field xpath="@id"/>
    <xs:field xpath="@version"/>
  </xs:unique>
</xs:element>

```

DATEXII_3_EnergyInfrastructure

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 - [Simple Type: ChargingPointUsageTypeEnum](#)
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 - [Simple Type: ConnectorTypeEnum](#)
 - [Simple Type: ElectricEnergySourceTypeEnum](#)
 - [Simple Type: PricingPolicyEnum](#)
 - [Simple Type: VehicleToGridCommunicationTypeEnum](#)
 - [Simple Type: Volt](#)
 - [Simple Type: Watt](#)

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Schema Document Properties

Target Namespace	http://datex2.eu/schema/3/energyInfrastructure
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.
Schema Composition	• This schema imports schema(s) from the following namespace(s): ◦ http://datex2.eu/schema/3/locationReferencing (at DATEXII_3_LocationReferencing.xsd) ◦ http://datex2.eu/schema/3/common (at DATEXII_3_Common.xsd) ◦ http://datex2.eu/schema/3/facilities (at DATEXII_3_Facilities.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
loc	http://datex2.eu/schema/3/locationReferencing
com	http://datex2.eu/schema/3/common
fac	http://datex2.eu/schema/3/facilities
egi	http://datex2.eu/schema/3/energyInfrastructure

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/energyInfrastructure">
  <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/facilities" schemaLocation="DATEXII_3_Facilities.xsd"/>
  ...
</xs:schema>
```

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Global Definitions

Complex Type: AssociatedParking

Super-types:	fac:AssociatedFacility < AssociatedParking (by extension)
Sub-types:	None

Name	AssociatedParking
Abstract	no
Documentation	A Parking site this site is associated with, i.e. they are located on the same property and may share entrance and exit.

XML Instance Representation

```
<...>
  <!-- 'fac:AssociatedFacility' super type was not found in this schema. Some elements and attributes may be
missing. -->
  <egi:carParkingCapacity> com:NonNegativeInteger </egi:carParkingCapacity> [0..1] ?
```



```
<egi:truckParkingCapacity> com:NonNegativeInteger </egi:truckParkingCapacity> [0..1] ?
<egi:bikeParkingCapacity> com:NonNegativeInteger </egi:bikeParkingCapacity> [0..1] ?
<egi:_associatedParkingExtension> com:_ExtensionType </egi:_associatedParkingExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AssociatedParking">
  <xs:complexContent>
    <xs:extension base="fac:AssociatedFacility">
      <xs:sequence>
        <xs:element name="carParkingCapacity" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
        <xs:element name="truckParkingCapacity" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
        <xs:element name="bikeParkingCapacity" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_associatedParkingExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: Connector

Super-types: None
Sub-types: None

Name Connector
Abstract no
Documentation Parameters and description of an interface that is available at the given electric charging point to connect vehicles

XML Instance Representation

```
<...>
<egi:connectorType> egi:_ConnectorTypeEnum </egi:connectorType> [1] ?
<egi:otherConnector> com:String </egi:otherConnector> [0..1] ?
<egi:countryOfDomesticSocket> com:CountryCode </egi:countryOfDomesticSocket> [0..*] ?
<egi:chargingMode> egi:_ChargingModeEnum </egi:chargingMode> [0..1] ?
<egi:connectorFormat> egi:_ConnectorFormatTypeEnum </egi:connectorFormat> [0..1] ?
<egi:maxPowerAtSocket> egi:Watt </egi:maxPowerAtSocket> [1] ?
<egi:voltage> egi:Volt </egi:voltage> [0..1] ?
<egi:maximumCurrent> egi:Ampere </egi:maximumCurrent> [0..1] ?
<egi:_connectorExtension> com:_ExtensionType </egi:_connectorExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Connector">
  <xs:sequence>
    <xs:element name="connectorType" type="egi:_ConnectorTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="otherConnector" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="countryOfDomesticSocket" type="com:CountryCode" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="chargingMode" type="egi:_ChargingModeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="connectorFormat" type="egi:_ConnectorFormatTypeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="maxPowerAtSocket" type="egi:Watt" minOccurs="1" maxOccurs="1"/>
    <xs:element name="voltage" type="egi:Volt" minOccurs="0" maxOccurs="1"/>
    <xs:element name="maximumCurrent" type="egi:Ampere" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_connectorExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: ElectricChargingEquipment

Super-types: [fac:SupplementalFacility](#) < ElectricChargingEquipment (by extension)
Sub-types: None

Name ElectricChargingEquipment
Abstract no
Documentation A specialisation to the SupplementalFacility class adding an ElectricChargingPoint.

XML Instance Representation

```
<...>
<!-- 'fac:SupplementalFacility' super type was not found in this schema. Some elements and attributes may be missing. -->
<egi:electricChargingPoint> egi:ElectricChargingPoint </egi:electricChargingPoint> [1]
<egi:_electricChargingEquipmentExtension> com:_ExtensionType </egi:_electricChargingEquipmentExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ElectricChargingEquipment">
  <xs:complexContent>
    <xs:extension base="fac:SupplementalFacility">
      <xs:sequence>
        <xs:element name="electricChargingPoint" type="egi:ElectricChargingPoint"/>
        <xs:element name="_electricChargingEquipmentExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: **ElectricChargingPoint**

Super-types: [fac:Facility](#) < [RefillPoint](#) (by extension) < **ElectricChargingPoint** (by extension)

Sub-types: None

Name ElectricChargingPoint

Abstract no

Documentation Technical infrastructure at a specific location that facilitates electric charging of one vehicle at a time

XML Instance Representation

```
<...>
  <!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
  <egi:_refillPointExtension> com:_ExtensionType </egi:_refillPointExtension> [0..1]
  <egi:usageType> egi:_ChargingPointUsageTypeEnum </egi:usageType> [0..*] ?
  <egi:vehicleToGridCommunicationType> egi:_VehicleToGridCommunicationTypeEnum </egi:vehicleToGridCommunicationType>
  [0..*] ?
  <egi:availableVoltage> egi:Volt </egi:availableVoltage> [0..*] ?
  <egi:availableChargingPower> egi:Watt </egi:availableChargingPower> [0..*] ?
  <egi:connector> egi:Connector </egi:connector> [0..*] ?
  <egi:electricEnergyMix> egi:ElectricEnergyMix </egi:electricEnergyMix> [0..*]
  <egi:vehicleSpace> egi:VehicleSpace </egi:vehicleSpace> [0..*]
  <egi:_electricChargingPointExtension> com:_ExtensionType </egi:_electricChargingPointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ElectricChargingPoint">
  <xs:complexContent>
    <xs:extension base="egi:RefillPoint">
      <xs:sequence>
        <xs:element name="usageType" type="egi:_ChargingPointUsageTypeEnum" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="vehicleToGridCommunicationType" type="egi:_VehicleToGridCommunicationTypeEnum"
minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="availableVoltage" type="egi:Volt" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="availableChargingPower" type="egi:Watt" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="connector" type="egi:Connector" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="electricEnergyMix" type="egi:ElectricEnergyMix" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="vehicleSpace" type="egi:VehicleSpace" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_electricChargingPointExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: **ElectricEnergyMix**

Super-types: None

Sub-types: None

Name ElectricEnergyMix

Abstract no

Documentation The energy mix and environmental impact of the supplied energy available at this charging point.

XML Instance Representation

```
<...
energyMixIndex="com:Integer [1] ?">
  <egi:energyProductName> com:MultilingualString </egi:energyProductName> [0..1] ?
  <egi:isGreenEnergy> com:Boolean </egi:isGreenEnergy> [0..1] ?
  <egi:carbonDioxideImpact> com:Float </egi:carbonDioxideImpact> [0..1] ?
  <egi:nuclearWasteImpact> com:Float </egi:nuclearWasteImpact> [0..1] ?
  <egi:notAvailable> com:Boolean </egi:notAvailable> [0..1] ?
  <egi:electricEnergySourceRatio> egi:ElectricEnergySourceRatio </egi:electricEnergySourceRatio> [0..*]
  <egi:energyProvider> fac:Organisation </egi:energyProvider> [0..1] ?
  <egi:rates> fac:Rates </egi:rates> [0..1]
  <egi:_electricEnergyMixExtension> com:_ExtensionType </egi:_electricEnergyMixExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ElectricEnergyMix">
  <xs:sequence>
    <xs:element name="energyProductName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="isGreenEnergy" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="carbonDioxideImpact" type="com:Float" minOccurs="0" maxOccurs="1"/>
    <xs:element name="nuclearWasteImpact" type="com:Float" minOccurs="0" maxOccurs="1"/>
    <xs:element name="notAvailable" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="electricEnergySourceRatio" type="egi:ElectricEnergySourceRatio" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="energyProvider" type="fac:Organisation" minOccurs="0"/>
    <xs:element name="rates" type="fac:Rates" minOccurs="0"/>
    <xs:element name="_electricEnergyMixExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="energyMixIndex" type="com:Integer" use="required"/>
</xs:complexType>
```

Complex Type: **ElectricEnergySourceRatio**

Super-types:	None
Sub-types:	None

Name	ElectricEnergySourceRatio
Abstract	no
Documentation	Ratio for the specified energy source

XML Instance Representation

```
<...>
  <egi:energySource> egi:_ElectricEnergySourceTypeEnum </egi:energySource> [1] ?
  <egi:otherEnergySource> com:String </egi:otherEnergySource> [0..1] ?
  <egi:sourceRatioValue> com:PercentageValue </egi:sourceRatioValue> [1] ?
  <egi:_electricEnergySourceRatioExtension> com:_ExtensionType </egi:_electricEnergySourceRatioExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ElectricEnergySourceRatio">
  <xs:sequence>
    <xs:element name="energySource" type="egi:_ElectricEnergySourceTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="otherEnergySource" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="sourceRatioValue" type="com:PercentageValue"/>
    <xs:element name="_electricEnergySourceRatioExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: EnergyPricingPolicy

Super-types:	None
Sub-types:	None

Name	EnergyPricingPolicy
Abstract	no
Documentation	Details how the price for the charging process is calculated.

XML Instance Representation

```
<...>
  <egi:pricingPolicy> egi:_PricingPolicyEnum </egi:pricingPolicy> [0..*] ?
  <egi:combinationWithParkingFee> com:Boolean </egi:combinationWithParkingFee> [0..1] ?
  <egi:discount> com:Percentage </egi:discount> [0..1] ?
  <egi:maximumDeliveryFee> fac:AmountOfMoney </egi:maximumDeliveryFee> [0..1] ?
  <egi:minimumDeliveryFee> fac:AmountOfMoney </egi:minimumDeliveryFee> [0..1] ?
  <egi:additionalInformation> com:MultilingualString </egi:additionalInformation> [0..1] ?
  <egi:_energyPricingPolicyExtension> com:_ExtensionType </egi:_energyPricingPolicyExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="EnergyPricingPolicy">
  <xs:sequence>
    <xs:element name="pricingPolicy" type="egi:_PricingPolicyEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="combinationWithParkingFee" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="discount" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
    <xs:element name="maximumDeliveryFee" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
    <xs:element name="minimumDeliveryFee" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
    <xs:element name="additionalInformation" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_energyPricingPolicyExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: RefillPoint

Super-types:	fac:Facility < RefillPoint (by extension)
Sub-types:	ElectricChargingPoint (by extension)

Name	RefillPoint
Abstract	yes
Documentation	Technical infrastructure at a specific location that facilitates an energy refilling process being connected to max. one vehicle at a time

XML Instance Representation

```
<...>
  <!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
  <egi:_refillPointExtension> com:_ExtensionType </egi:_refillPointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RefillPoint" abstract="true">
  <xs:complexContent>
    <xs:extension base="fac:Facility">
      <xs:sequence>
        <xs:element name="_refillPointExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```
</xs:extension>
</xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **VehicleSpace**

Super-types: [fac:Facility](#) < **VehicleSpace** (by extension)
Sub-types: None

Name VehicleSpace
Abstract no
Documentation A space where a vehicle can be charged.

XML Instance Representation

```
<...>
<!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
<egi:parkingAllowedAfterCharging com:Boolean </egi:parkingAllowedAfterCharging> [0..1] ?
<egi:_vehicleSpaceExtension com:_ExtensionType </egi:_vehicleSpaceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleSpace">
  <xs:complexContent>
    <xs:extension base="fac:Facility">
      <xs:sequence>
        <xs:element name="parkingAllowedAfterCharging" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_vehicleSpaceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ChargingModeEnum**

Super-types: [xs:string](#) < [ChargingModeEnum](#) (by restriction) < **_ChargingModeEnum** (by extension)
Sub-types: None

Name _ChargingModeEnum
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  egi:ChargingModeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ChargingModeEnum">
  <xs:simpleContent>
    <xs:extension base="egi:ChargingModeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ChargingPointUsageTypeEnum**

Super-types: [xs:string](#) < [ChargingPointUsageTypeEnum](#) (by restriction) < **_ChargingPointUsageTypeEnum** (by extension)
Sub-types: None

Name _ChargingPointUsageTypeEnum
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  egi:ChargingPointUsageTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ChargingPointUsageTypeEnum">
  <xs:simpleContent>
    <xs:extension base="egi:ChargingPointUsageTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ConnectorFormatTypeEnum**

Super-types: [xs:string](#) < [ConnectorFormatTypeEnum](#) (by restriction) < [_ConnectorFormatTypeEnum](#) (by extension)
Sub-types: None

Name [_ConnectorFormatTypeEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    egi:ConnectorFormatTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ConnectorFormatTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="egi:ConnectorFormatTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_ConnectorTypeEnum**

Super-types: [xs:string](#) < [ConnectorTypeEnum](#) (by restriction) < [_ConnectorTypeEnum](#) (by extension)
Sub-types: None

Name [_ConnectorTypeEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    egi:ConnectorTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ConnectorTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="egi:ConnectorTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_ElectricEnergySourceTypeEnum**

Super-types: [xs:string](#) < [ElectricEnergySourceTypeEnum](#) (by restriction) < [_ElectricEnergySourceTypeEnum](#) (by extension)
Sub-types: None

Name [_ElectricEnergySourceTypeEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    egi:ElectricEnergySourceTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ElectricEnergySourceTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="egi:ElectricEnergySourceTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_PricingPolicyEnum**

Super-types: [xs:string](#) < [PricingPolicyEnum](#) (by restriction) < [_PricingPolicyEnum](#) (by extension)
Sub-types: None

Name [_PricingPolicyEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  egi:PricingPolicyEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_PricingPolicyEnum">  
  <xs:simpleContent>  
    <xs:extension base="egi:PricingPolicyEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_VehicleToGridCommunicationTypeEnum**

Super-types: [xs:string](#) < [VehicleToGridCommunicationTypeEnum](#) (by restriction) < [_VehicleToGridCommunicationTypeEnum](#) (by extension)

Sub-types: None

Name [_VehicleToGridCommunicationTypeEnum](#)

Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  egi:VehicleToGridCommunicationTypeEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_VehicleToGridCommunicationTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="egi:VehicleToGridCommunicationTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Simple Type: **Ampere**

Super-types: [com:Float](#) < [Ampere](#) (by restriction)

Sub-types: None

Name [Ampere](#)

Content

- 'Float' super type was not found in this schema. Its facets could not be printed out.

Documentation [Ampere.](#)

Schema Component Representation

```
<xs:simpleType name="Ampere">  
  <xs:restriction base="com:Float"/>  
</xs:simpleType>
```

[top](#)

Simple Type: **ChargingModeEnum**

Super-types: [xs:string](#) < [ChargingModeEnum](#) (by restriction)

Sub-types:

- [_ChargingModeEnum](#) (by extension)

Name [ChargingModeEnum](#)

Content

- Base XSD Type: string
- value comes from list: {mode1AC1p|mode1AC3p|mode2AC1p|mode2AC3p|mode3AC3p|mode4DC|'legacyInductive'|'ccs'|'other'|'unknown'|'_extended'}

Documentation [Charging mode according to IEC-61851 terminology](#)

Schema Component Representation

```
<xs:simpleType name="ChargingModeEnum">  
  <xs:restriction base="xs:string">  
    <xs:enumeration value="mode1AC1p"/>  
    <xs:enumeration value="mode1AC3p"/>  
    <xs:enumeration value="mode2AC1p"/>  
    <xs:enumeration value="mode2AC3p"/>  
    <xs:enumeration value="mode3AC3p"/>  
    <xs:enumeration value="mode4DC"/>  
    <xs:enumeration value="legacyInductive"/>  
    <xs:enumeration value="ccs"/>  
    <xs:enumeration value="other"/>  
    <xs:enumeration value="unknown"/>  
    <xs:enumeration value="_extended"/>  
  </xs:restriction>  
</xs:simpleType>
```

```
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ChargingPointUsageTypeEnum**

Super-types: [xs:string](#) < **ChargingPointUsageTypeEnum** (by restriction)

Sub-types:

- [_ChargingPointUsageTypeEnum](#) (by extension)

Name ChargingPointUsageTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'electricBoat'|'electricBike'|'electricalDevices'|'electricMotorcycle'|'electricVehicle'|'lorryPowerConsumption'|'motorhomeOrCaravanSupply'|'overheadL

Documentation Type of usage for an electric charging point..

Schema Component Representation

```
<xs:simpleType name="ChargingPointUsageTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="electricBoat"/>
    <xs:enumeration value="electricBike"/>
    <xs:enumeration value="electricalDevices"/>
    <xs:enumeration value="electricMotorcycle"/>
    <xs:enumeration value="electricVehicle"/>
    <xs:enumeration value="lorryPowerConsumption"/>
    <xs:enumeration value="motorhomeOrCaravanSupply"/>
    <xs:enumeration value="overheadLineDrivenVehicles"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ConnectorFormatTypeEnum**

Super-types: [xs:string](#) < **ConnectorFormatTypeEnum** (by restriction)

Sub-types:

- [_ConnectorFormatTypeEnum](#) (by extension)

Name ConnectorFormatTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'cableMode2'|'cableMode3'|'otherCable'|'socket'|'_extended'}

Documentation A list of cable types used during the charging process.

Schema Component Representation

```
<xs:simpleType name="ConnectorFormatTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="cableMode2"/>
    <xs:enumeration value="cableMode3"/>
    <xs:enumeration value="otherCable"/>
    <xs:enumeration value="socket"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ConnectorTypeEnum**

Super-types: [xs:string](#) < **ConnectorTypeEnum** (by restriction)

Sub-types:

- [_ConnectorTypeEnum](#) (by extension)

Name ConnectorTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'chademo'|'cee3'|'cee5'|'yazaki'|'domestic'|'domesticA'|'domesticB'|'domesticC'|'domesticD'|'domesticE'|'domesticF'|'domesticG'|'domesticH'|'domestic

Documentation A table of commonly used connectors / charging interfaces

Schema Component Representation

```
<xs:simpleType name="ConnectorTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="chademo"/>
    <xs:enumeration value="cee3"/>
    <xs:enumeration value="cee5"/>
    <xs:enumeration value="yazaki"/>
    <xs:enumeration value="domestic"/>
    <xs:enumeration value="domesticA"/>
    <xs:enumeration value="domesticB"/>
    <xs:enumeration value="domesticC"/>
    <xs:enumeration value="domesticD"/>
```

```
<xs:enumeration value="domesticE"/>
<xs:enumeration value="domesticF"/>
<xs:enumeration value="domesticG"/>
<xs:enumeration value="domesticH"/>
<xs:enumeration value="domesticI"/>
<xs:enumeration value="domesticJ"/>
<xs:enumeration value="domesticK"/>
<xs:enumeration value="domesticL"/>
<xs:enumeration value="domesticM"/>
<xs:enumeration value="domesticN"/>
<xs:enumeration value="domesticO"/>
<xs:enumeration value="iec60309x2single16"/>
<xs:enumeration value="iec60309x2three16"/>
<xs:enumeration value="iec60309x2three32"/>
<xs:enumeration value="iec60309x2three64"/>
<xs:enumeration value="iec62196T1"/>
<xs:enumeration value="iec62196T1COMBO"/>
<xs:enumeration value="iec62196T2"/>
<xs:enumeration value="iec62196T2COMBO"/>
<xs:enumeration value="iec62196T3A"/>
<xs:enumeration value="iec62196T3C"/>
<xs:enumeration value="pantographBottomUp"/>
<xs:enumeration value="pantographTopDown"/>
<xs:enumeration value="teslaConnectorEurope"/>
<xs:enumeration value="teslaConnectorAmerica"/>
<xs:enumeration value="teslaR"/>
<xs:enumeration value="teslaS"/>
<xs:enumeration value="other"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ElectricEnergySourceTypeEnum**

Super-types: [xs:string](#) < **ElectricEnergySourceTypeEnum** (by restriction)

Sub-types:

- [_ElectricEnergySourceTypeEnum](#) (by extension)

Name ElectricEnergySourceTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'biogas'|'coal'|'gas'|'nuclear'|'solar'|'water'|'wind'|'generalGreen'|'generalFossil'|'other'|'_extended'}

Documentation Electric energy sources

Schema Component Representation

```
<xs:simpleType name="ElectricEnergySourceTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="biogas"/>
    <xs:enumeration value="coal"/>
    <xs:enumeration value="gas"/>
    <xs:enumeration value="nuclear"/>
    <xs:enumeration value="solar"/>
    <xs:enumeration value="water"/>
    <xs:enumeration value="wind"/>
    <xs:enumeration value="generalGreen"/>
    <xs:enumeration value="generalFossil"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **PricingPolicyEnum**

Super-types: [xs:string](#) < **PricingPolicyEnum** (by restriction)

Sub-types:

- [_PricingPolicyEnum](#) (by extension)

Name PricingPolicyEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'pricePerChargingTime'|'pricePerDeliveryUnit'|'contract'|'flatRate'|'unknown'|'free'|'other'|'_extended'}

Documentation A list of possible pricing policies at refill points

Schema Component Representation

```
<xs:simpleType name="PricingPolicyEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="pricePerChargingTime"/>
    <xs:enumeration value="pricePerDeliveryUnit"/>
    <xs:enumeration value="contract"/>
    <xs:enumeration value="flatRate"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="free"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```


Simple Type: **VehicleToGridCommunicationTypeEnum**

Super-types: [xs:string](#) < **VehicleToGridCommunicationTypeEnum** (by restriction)

Sub-types:

- [_VehicleToGridCommunicationTypeEnum](#) (by extension)

Name VehicleToGridCommunicationTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'none'|'iso15118'|'iec619802'|'other'|'unknown'|'_extended'}

Documentation A list of communication types for communication between vehicles and the grid.

Schema Component Representation

```
<xs:simpleType name="VehicleToGridCommunicationTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="none"/>
    <xs:enumeration value="iso15118"/>
    <xs:enumeration value="iec619802"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: **Volt**

Super-types: [com:Float](#) < **Volt** (by restriction)

Sub-types: None

Name Volt

Content

- 'Float' super type was not found in this schema. Its facets could not be printed out.

Documentation Volt.

Schema Component Representation

```
<xs:simpleType name="Volt">
  <xs:restriction base="com:Float"/>
</xs:simpleType>
```

Simple Type: **Watt**

Super-types: [com:Float](#) < **Watt** (by restriction)

Sub-types: None

Name Watt

Content

- 'Float' super type was not found in this schema. Its facets could not be printed out.

Documentation Watt.

Schema Component Representation

```
<xs:simpleType name="Watt">
  <xs:restriction base="com:Float"/>
</xs:simpleType>
```

DATEXII_3_Facilities

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 - [Complex Type: UnspecifiedRates](#)
 - [Complex Type: UserQualification](#)
 - [Complex Type: AccessibilityEnum](#)
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 - [Complex Type: CredentialTypeEnum](#)
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 - [Simple Type: AmountOfMoney](#)
 - [Simple Type: AvailabilityEnum](#)
 - [Simple Type: CredentialTypeEnum](#)
 - [Simple Type: CurrencyCode](#)
 - [Simple Type: Duration](#)
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 - [Simple Type: EquipmentTypeEnum](#)
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Schema Document Properties

Target Namespace	http://datex2.eu/schema/3/facilities
Version	3.3
Element and Attribute Namespaces	

- Global element and attribute declarations belong to this schema's target namespace.
- By default, local element declarations belong to this schema's target namespace.
- By default, local attribute declarations have no namespace.

Schema Composition	• This schema imports schema(s) from the following namespace(s): ◦ http://datex2.eu/schema/3/energyInfrastructure (at DATEXII_3_EnergyInfrastructure.xsd) ◦ http://datex2.eu/schema/3/locationReferencing (at DATEXII_3_LocationReferencing.xsd) ◦ http://datex2.eu/schema/3/common (at DATEXII_3_Common.xsd)
---------------------------	--

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
egi	http://datex2.eu/schema/3/energyInfrastructure
loc	http://datex2.eu/schema/3/locationReferencing
com	http://datex2.eu/schema/3/common
fac	http://datex2.eu/schema/3/facilities

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/facilities">
  <xs:import namespace="http://datex2.eu/schema/3/energyInfrastructure"
schemaLocation="DATEXII_3_EnergyInfrastructure.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
  ...
</xs:schema>
```

[top](#)

Global Definitions

Complex Type: AmountInCurrency

<i>Super-types:</i>	None
<i>Sub-types:</i>	None

Name	AmountInCurrency
Abstract	no
Documentation	A class supporting the definition of a unit of currency in a defined currency.

XML Instance Representation

```
<...>
  <fac:currencyValue> fac:AmountOfMoney </fac:currencyValue> [1] ?
  <fac:currencyType> fac:CurrencyCode </fac:currencyType> [1] ?
  <fac:_amountInCurrencyExtension> com:_ExtensionType </fac:_amountInCurrencyExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AmountInCurrency">
  <xs:sequence>
    <xs:element name="currencyValue" type="fac:AmountOfMoney" minOccurs="1" maxOccurs="1"/>
    <xs:element name="currencyType" type="fac:CurrencyCode" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_amountInCurrencyExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: AssociatedFacility

<i>Super-types:</i>	None
<i>Sub-types:</i>	None

Name	AssociatedFacility
-------------	--------------------

Abstract	no
Documentation	Infrastructure this site is associated with, i.e. they are located on the same property and may share entrance and exit.

XML Instance Representation

```
<...>
  <fac:type> fac:_FacilityTypeEnum </fac:type> [1] ?
  <fac:facilityReference> fac:_FacilityObjectVersionedReference </fac:facilityReference> [0..1] ?
  <fac:description> com:MultilingualString </fac:description> [0..1] ?
  <fac:_associatedFacilityExtension> com:_ExtensionType </fac:_associatedFacilityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AssociatedFacility">
  <xs:sequence>
    <xs:element name="type" type="fac:_FacilityTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="facilityReference" type="fac:_FacilityObjectVersionedReference" minOccurs="0" maxOccurs="1"/>
    <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_associatedFacilityExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: BrandsAcceptedCodeList

Super-types:	None
Sub-types:	None

Name	BrandsAcceptedCodeList
Abstract	no
Documentation	Use this class to describe details of the brands that are accepted.

XML Instance Representation

```
<...>
  <fac:brandsAcceptedList> fac:_PaymentBrandsEnum </fac:brandsAcceptedList> [1] ?
  <fac:_brandsAcceptedCodeListExtension> com:_ExtensionType </fac:_brandsAcceptedCodeListExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="BrandsAcceptedCodeList">
  <xs:sequence>
    <xs:element name="brandsAcceptedList" type="fac:_PaymentBrandsEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_brandsAcceptedCodeListExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: BrandsAcceptedText

Super-types:	None
Sub-types:	None

Name	BrandsAcceptedText
Abstract	no
Documentation	Use this class to describe details of the brands that are accepted.

XML Instance Representation

```
<...>
  <fac:brandsAccepted> com:String </fac:brandsAccepted> [1] ?
  <fac:_brandsAcceptedTextExtension> com:_ExtensionType </fac:_brandsAcceptedTextExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="BrandsAcceptedText">
  <xs:sequence>
    <xs:element name="brandsAccepted" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_brandsAcceptedTextExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: ClosureInformation

Super-types:	None
Sub-types:	None

Name	ClosureInformation
Abstract	no
Documentation	Information about temporary or permanent closure.

XML Instance Representation

```

<...>
  <fac:permanentlyClosed> com:Boolean </fac:permanentlyClosed> [0..1] ?
  <fac:temporarilyClosed> com:Boolean </fac:temporarilyClosed> [0..1] ?
  <fac:closedFrom> com:DateTime </fac:closedFrom> [0..1] ?
  <fac:temporarilyClosedUntil> com:DateTime </fac:temporarilyClosedUntil> [0..1] ?
  <fac:_closureInformationExtension> com:_ExtensionType </fac:_closureInformationExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="ClosureInformation">
  <xs:sequence>
    <xs:element name="permanentlyClosed" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="temporarilyClosed" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="closedFrom" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="temporarilyClosedUntil" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_closureInformationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: ContactInformation

Super-types: None

Sub-types:

- [ContactPerson](#) (by extension)

Name ContactInformation
 Abstract no
 Documentation Contact information

XML Instance Representation

```

<...>
  <fac:language> com:Language </fac:language> [0..*] ?
  <fac:telephoneNumber> com:String </fac:telephoneNumber> [0..1] ?
  <fac:faxNumber> com:String </fac:faxNumber> [0..1] ?
  <fac:eMail> com:String </fac:eMail> [0..1] ?
  <fac:_contactInformationExtension> com:_ExtensionType </fac:_contactInformationExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="ContactInformation">
  <xs:sequence>
    <xs:element name="language" type="com:Language" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="telephoneNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="faxNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="eMail" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_contactInformationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: ContactPerson

Super-types: [ContactInformation](#) < ContactPerson (by extension)

Sub-types: None

Name ContactPerson
 Abstract no
 Documentation A specific contact person

XML Instance Representation

```

<...>
  <fac:language> com:Language </fac:language> [0..*] ?
  <fac:telephoneNumber> com:String </fac:telephoneNumber> [0..1] ?
  <fac:faxNumber> com:String </fac:faxNumber> [0..1] ?
  <fac:eMail> com:String </fac:eMail> [0..1] ?
  <fac:_contactInformationExtension> com:_ExtensionType </fac:_contactInformationExtension> [0..1]
  <fac:name> com:String </fac:name> [1] ?
  <fac:firstName> com:String </fac:firstName> [0..1] ?
  <fac:title> com:MultilingualString </fac:title> [0..1] ?
  <fac:position> com:MultilingualString </fac:position> [0..1] ?
  <fac:_contactPersonExtension> com:_ExtensionType </fac:_contactPersonExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="ContactPerson">
  <xs:complexContent>
    <xs:extension base="fac:ContactInformation">
      <xs:sequence>
        <xs:element name="name" type="com:String" minOccurs="1" maxOccurs="1"/>
        <xs:element name="firstName" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="title" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="position" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_contactPersonExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

```
</xs:complexType>
```

[top](#)

Complex Type: **Credential**

Super-types: None

Sub-types:

- [CredentialAssigned](#) (by extension)

Name Credential

Abstract no

Documentation Class containing reference to a credential (identifiable persistent identity)

XML Instance Representation

```
<...>
  <fac:type> fac:_CredentialTypeEnum </fac:type> [1] ?
  <fac:otherType> com:String </fac:otherType> [0..1] ?
  <fac:_credentialExtension> com:_ExtensionType </fac:_credentialExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Credential">
  <xs:sequence>
    <xs:element name="type" type="fac:_CredentialTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="otherType" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_credentialExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **CredentialAssigned**

Super-types: [Credential](#) < **CredentialAssigned** (by extension)

Sub-types: None

Name CredentialAssigned

Abstract no

Documentation Information concerning a specific credential that is used for verification for one AssignedRight. Specialisation of a general credential.

XML Instance Representation

```
<...>
  <fac:type> fac:_CredentialTypeEnum </fac:type> [1] ?
  <fac:otherType> com:String </fac:otherType> [0..1] ?
  <fac:_credentialExtension> com:_ExtensionType </fac:_credentialExtension> [0..1]
  <fac:localIdentifier> com:String </fac:localIdentifier> [0..1] ?
  <fac:issuer> fac:_OrganisationVersionedReference </fac:issuer> [1] ?
  <fac:_credentialAssignedExtension> com:_ExtensionType </fac:_credentialAssignedExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="CredentialAssigned">
  <xs:complexContent>
    <xs:extension base="fac:Credential">
      <xs:sequence>
        <xs:element name="localIdentifier" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="issuer" type="fac:_OrganisationVersionedReference" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_credentialAssignedExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **Dimension**

Super-types: None

Sub-types: None

Name Dimension

Abstract no

Documentation A component that provides dimension information. Especially for multi-storey buildings, the usable area might be larger than the product from its length and width.

XML Instance Representation

```
<...>
  <fac:length> com:MetresAsFloat </fac:length> [0..1] ?
  <fac:width> com:MetresAsFloat </fac:width> [0..1] ?
  <fac:height> com:MetresAsFloat </fac:height> [0..1] ?
  <fac:usableArea> fac:SquareMetres </fac:usableArea> [0..1] ?
  <fac:_dimensionExtension> com:_ExtensionType </fac:_dimensionExtension> [0..1]
</...>
```

```
<xs:complexType name="Dimension">
  <xs:sequence>
    <xs:element name="length" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="width" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="height" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="usableArea" type="fac:SquareMetres" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_dimensionExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

Complex Type: **DurationValue**

Super-types:	com:DataValue < DurationValue (by extension)
Sub-types:	None

Name	DurationValue
<u>Abstract</u>	no
Documentation	A measured or calculated value of a period of time.

```
<!-- 'com:DataValue' super type was not found in this schema. Some elements and attributes may be missing. -->
<fac:duration> com:Seconds </fac:duration> [1] ?
<fac:_durationValueExtension> com:_ExtensionType </fac:_durationValueExtension> [0..1]
</...>
```

```
<xs:complexType name="DurationValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="duration" type="com:Seconds" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_durationValueExtension" type="com:ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: Eligibility

<i>Super-types:</i>	None
<i>Sub-types:</i>	None

Name	Eligibility
<u>Abstract</u>	no
Documentation	Class support concepts for defining eligibility criteria.

```
<...>
<fac:eligibilityName> com:MultilingualString </fac:eligibilityName> [0..1] ?
<fac:description> com:MultilingualString </fac:description> [0..1] ?
<fac:qualification> fac:Qualification </fac:qualification> [0..*]
<fac:_eligibilityExtension> com:_ExtensionType </fac:_eligibilityExtension> [0..1]
</...>
```

```
<xs:complexType name="Eligibility">
  <xs:sequence>
    <xs:element name="eligibilityName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="qualification" type="fac:Qualification" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_eligibilityExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

Complex Type: Facility

Super-types:	FacilityObject < Facility (by extension)
Sub-types:	None

Name	Facility
<u>Abstract</u>	yes
Documentation	Provides information about a facility, which may represent any kind of site, building, or structure, and may be a composite facility that includes supplemental facilities.

```
<...
  id="xs:string [1]"
```

```

version="xs:string [1]">
  <fac:name> com:MultilingualString </fac:name> [0..1] ?
  <fac:alias> com:MultilingualString </fac:alias> [0..*] ?
  <fac:externalIdentifier> com:String </fac:externalIdentifier> [0..1] ?
  <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
  <fac:description> com:MultilingualString </fac:description> [0..1] ?
  <fac:accessibility> fac:AccessibilityEnum </fac:accessibility> [0..*] ?
  <fac:additionalInformation> com:MultilingualString </fac:additionalInformation> [0..*] ?
  <fac:informationWebsite> com:UriLink </fac:informationWebsite> [0..*] ?
  <fac:photoUrl> com:UriLink </fac:photoUrl> [0..*] ?
  <fac:photo> fac:Image </fac:photo> [0..*] ?
  <fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]
  <fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]
  <fac:owner> fac:Organisation </fac:owner> [0..1] ?
  <fac:operator> fac:Organisation </fac:operator> [0..1] ?
  <fac:associatedFacility> fac:AssociatedFacility </fac:associatedFacility> [0..*]
  <fac:rates> fac:Rates </fac:rates> [0..1]
  <fac:applicableForVehicles> com:VehicleCharacteristics </fac:applicableForVehicles> [0..*] ?
  <fac:dimension> fac:Dimension </fac:dimension> [0..1]
  <fac:_facilityObjectExtension> com:_ExtensionType </fac:_facilityObjectExtension> [0..1]
  <fac:supplementalFacility> fac:SupplementalFacility </fac:supplementalFacility> [0..*]
  <fac:_facilityExtension> com:_ExtensionType </fac:_facilityExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="Facility" abstract="true">
  <xs:complexContent>
    <xs:extension base="fac:FacilityObject">
      <xs:sequence>
        <xs:element name="supplementalFacility" type="fac:SupplementalFacility" minOccurs="0"
          maxOccurs="unbounded"/>
        <xs:element name="_facilityExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: FacilityObject

Super-types: None

Sub-types:

- [Facility](#) (by extension)
- [SupplementalFacility](#) (by extension)
 - [SupplementalEquipment](#) (by extension)
 - [SupplementalServiceFacility](#) (by extension)

Name FacilityObject

Abstract yes

Documentation Provides information about a facility object, which may represent any kind of site, building, or structure, including those which supplement a main facility.

XML Instance Representation

```

<...
id="xs:string [1]"
version="xs:string [1]">
  <fac:name> com:MultilingualString </fac:name> [0..1] ?
  <fac:alias> com:MultilingualString </fac:alias> [0..*] ?
  <fac:externalIdentifier> com:String </fac:externalIdentifier> [0..1] ?
  <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
  <fac:description> com:MultilingualString </fac:description> [0..1] ?
  <fac:accessibility> fac:AccessibilityEnum </fac:accessibility> [0..*] ?
  <fac:additionalInformation> com:MultilingualString </fac:additionalInformation> [0..*] ?
  <fac:informationWebsite> com:UriLink </fac:informationWebsite> [0..*] ?
  <fac:photoUrl> com:UriLink </fac:photoUrl> [0..*] ?
  <fac:photo> fac:Image </fac:photo> [0..*] ?
  <fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]
  <fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]
  <fac:owner> fac:Organisation </fac:owner> [0..1] ?
  <fac:operator> fac:Organisation </fac:operator> [0..1] ?
  <fac:associatedFacility> fac:AssociatedFacility </fac:associatedFacility> [0..*]
  <fac:rates> fac:Rates </fac:rates> [0..1]
  <fac:applicableForVehicles> com:VehicleCharacteristics </fac:applicableForVehicles> [0..*] ?
  <fac:dimension> fac:Dimension </fac:dimension> [0..1]
  <fac:_facilityObjectExtension> com:_ExtensionType </fac:_facilityObjectExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="FacilityObject" abstract="true">
  <xs:sequence>
    <xs:element name="name" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="alias" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="externalIdentifier" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="lastUpdated" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="accessibility" type="fac:AccessibilityEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="additionalInformation" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="informationWebsite" type="com:UriLink" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="photoUrl" type="com:UriLink" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="photo" type="fac:Image" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="operatingHours" type="fac:OperatingHours" minOccurs="0"/>
    <xs:element name="locationReference" type="loc:LocationReference" minOccurs="0"/>
    <xs:element name="owner" type="fac:Organisation" minOccurs="0"/>
    <xs:element name="operator" type="fac:Organisation" minOccurs="0"/>
  </xs:sequence>

```



```

<xs:element name="associatedFacility" type="fac:AssociatedFacility" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="rates" type="fac:Rates" minOccurs="0"/>
<xs:element name="applicableForVehicles" type="com:VehicleCharacteristics" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="dimension" type="fac:Dimension" minOccurs="0"/>
<xs:element name="_facilityObjectExtension" type="com:_ExtensionType" minOccurs="0"/>
</xs:sequence>
<xs:attribute name="id" type="xs:string" use="required"/>
<xs:attribute name="version" type="xs:string" use="required"/>
</xs:complexType>

```

[top](#)

Complex Type: FacilityObjectStatus

Super-types: None

Sub-types:

- [FacilityStatus](#) (by extension)

Name FacilityObjectStatus

Abstract no

Documentation Dynamic status information for a facility object.

XML Instance Representation

```

<...>
  <fac:reference> fac:_FacilityObjectVersionedReference </fac:reference> [1] ?
  <fac:_facilityObjectStatusExtension> com:_ExtensionType </fac:_facilityObjectStatusExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="FacilityObjectStatus">
  <xs:sequence>
    <xs:element name="reference" type="fac:_FacilityObjectVersionedReference" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_facilityObjectStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: FacilityStatus

Super-types: [FacilityObjectStatus](#) < FacilityStatus (by extension)

Sub-types: None

Name FacilityStatus

Abstract no

Documentation Dynamic status information for a facility.

XML Instance Representation

```

<...>
  <fac:reference> fac:_FacilityObjectVersionedReference </fac:reference> [1] ?
  <fac:_facilityObjectStatusExtension> com:_ExtensionType </fac:_facilityObjectStatusExtension> [0..1]
  <fac:_facilityStatusExtension> com:_ExtensionType </fac:_facilityStatusExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="FacilityStatus">
  <xs:complexContent>
    <xs:extension base="fac:FacilityObjectStatus">
      <xs:sequence>
        <xs:element name="_facilityStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: FreeOfCharge

Super-types: [Rates](#) < FreeOfCharge (by extension)

Sub-types: None

Name FreeOfCharge

Abstract no

Documentation There are no rates or fees to be paid.

XML Instance Representation

```

<...>
  <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
  <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
  <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
  <fac:energyPricingPolicy> eqi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
  <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
  <fac:_freeOfChargeExtension> com:_ExtensionType </fac:_freeOfChargeExtension> [0..1]
</...>

```

Schema Component Representation

```
<xs:complexType name="FreeOfCharge">
  <xs:complexContent>
    <xs:extension base="fac:Rates">
      <xs:sequence>
        <xs:element name="_freeOfChargeExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **GeneralRateInformation**

Super-types:	Rates < GeneralRateInformation (by extension)
Sub-types:	None

Name	GeneralRateInformation
Abstract	no
Documentation	Some general rates and payment information without specifying rates as such.

XML Instance Representation

```
<...>
  <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
  <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
  <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
  <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
  <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
  <fac:_generalRateInformationExtension> com:_ExtensionType </fac:_generalRateInformationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="GeneralRateInformation">
  <xs:complexContent>
    <xs:extension base="fac:Rates">
      <xs:sequence>
        <xs:element name="_generalRateInformationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **Image**

Super-types:	None
Sub-types:	None

Name	Image
Abstract	no
Documentation	An image, with encoded data and identification of format

XML Instance Representation

```
<...>
  <fac:imageData> com:Base64Binary </fac:imageData> [1] ?
  <fac:imageFormat> fac:_ImageFormatEnum </fac:imageFormat> [1] ?
  <fac:_imageExtension> com:_ExtensionType </fac:_imageExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Image">
  <xs:sequence>
    <xs:element name="imageData" type="com:Base64Binary" minOccurs="1" maxOccurs="1"/>
    <xs:element name="imageFormat" type="fac:_ImageFormatEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_imageExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **OpenAllHours**

Super-types:	OperatingHours < OpenAllHours (by extension)
Sub-types:	None

Name	OpenAllHours
Abstract	no
Documentation	Open or available all the time (24/7)

XML Instance Representation

```
<...>
  <fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
  <fac:_operatingHoursExtension> com:_ExtensionType </fac:_operatingHoursExtension> [0..1]
</...>
```

```
<fac:_openAllHoursExtension> com: __ExtensionType </fac:_openAllHoursExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenAllHours">
  <xs:complexContent>
    <xs:extension base="fac:OperatingHours">
      <xs:sequence>
        <xs:element name="_openAllHoursExtension" type="com: __ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: OperatingHours

Super-types: None

Sub-types:

- [OpenAllHours](#) (by extension)
- [OperatingHoursByReference](#) (by extension)
- [OperatingHoursSpecification](#) (by extension)
- [UndefinedOperatingHours](#) (by extension)
- [UnknownOperatingHours](#) (by extension)

Name	OperatingHours
Abstract	yes
Documentation	Operating hours, either by reference or by specification.

XML Instance Representation

```
<...>
<fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
<fac:_operatingHoursExtension> com: __ExtensionType </fac:_operatingHoursExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OperatingHours" abstract="true">
  <xs:sequence>
    <xs:element name="closureInformation" type="fac:ClosureInformation" minOccurs="0"/>
    <xs:element name="_operatingHoursExtension" type="com: __ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: OperatingHoursByReference

Super-types: [OperatingHours](#) < OperatingHoursByReference (by extension)

Sub-types: None

Name	OperatingHoursByReference
Abstract	no
Documentation	Operating hours information that is addressed via a reference.

XML Instance Representation

```
<...>
<fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
<fac:_operatingHoursExtension> com: __ExtensionType </fac:_operatingHoursExtension> [0..1]
<fac:operatingHoursReference> fac: _OperatingHoursSpecificationVersionedReference </fac:operatingHoursReference>
[1] ?
<fac:operatingHoursTableReference> fac: _OperatingHoursTableVersionedReference </fac:operatingHoursTableReference>
[0..1] ?
<fac:_operatingHoursByReferenceExtension> com: __ExtensionType </fac:_operatingHoursByReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OperatingHoursByReference">
  <xs:complexContent>
    <xs:extension base="fac:OperatingHours">
      <xs:sequence>
        <xs:element name="operatingHoursReference" type="fac: _OperatingHoursSpecificationVersionedReference"
minOccurs="1" maxOccurs="1"/>
        <xs:element name="operatingHoursTableReference" type="fac: _OperatingHoursTableVersionedReference"
minOccurs="0" maxOccurs="1"/>
        <xs:element name="_operatingHoursByReferenceExtension" type="com: __ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: OperatingHoursSpecification

Super-types: [OperatingHours](#) < OperatingHoursSpecification (by extension)

Sub-types: None

Name	OperatingHoursSpecification
Abstract	no
Documentation	A specification of operating hours (e.g. for a parking site, a service facility, an access or the availability for equipment).

XML Instance Representation

```
<...
  id="xs:string [1]"
  version="xs:string [1]">
    <fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
    <fac:_operatingHoursExtension> com:\_ExtensionType </fac:_operatingHoursExtension> [0..1]
    <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
    <fac:label> com:String </fac:label> [0..1] ?
    <fac:operatingAllYear> com:Boolean </fac:operatingAllYear> [0..1] ?
    <fac:urlLinkAddress> com:Url </fac:urlLinkAddress> [0..1] ?
    <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [1] ?
    <fac:_operatingHoursSpecificationExtension> com:\_ExtensionType </fac:_operatingHoursSpecificationExtension> [0..1]
  </...>
```

Schema Component Representation

```
<xs:complexType name="OperatingHoursSpecification">
  <xs:complexContent>
    <xs:extension base="fac:OperatingHours">
      <xs:sequence>
        <xs:element name="lastUpdated" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
        <xs:element name="label" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="operatingAllYear" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="urlLinkAddress" type="com:Url" minOccurs="0" maxOccurs="1"/>
        <xs:element name="overallPeriod" type="com:OverallPeriod"/>
        <xs:element name="_operatingHoursSpecificationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
      <xs:attribute name="id" type="xs:string" use="required"/>
      <xs:attribute name="version" type="xs:string" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: Organisation

Super-types: None

Sub-types:

- [OrganisationByReference](#) (by extension)
- [OrganisationSpecification](#) (by extension)
- [UndefinedOrganisation](#) (by extension)
- [UnknownOrganisation](#) (by extension)

Name	Organisation
Abstract	yes
Documentation	Information about an organisation including its units and contact information.

XML Instance Representation

```
<...>
  <fac:generalTimeValidity> com:OverallPeriod </fac:generalTimeValidity> [0..1] ?
  <fac:_organisationExtension> com:\_ExtensionType </fac:_organisationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Organisation" abstract="true">
  <xs:sequence>
    <xs:element name="generalTimeValidity" type="com:OverallPeriod" minOccurs="0"/>
    <xs:element name="_organisationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: OrganisationByReference

Super-types: [Organisation](#) < OrganisationByReference (by extension)

Sub-types: None

Name	OrganisationByReference
Abstract	no
Documentation	Organisation information that is based on a reference

XML Instance Representation

```
<...>
  <fac:generalTimeValidity> com:OverallPeriod </fac:generalTimeValidity> [0..1] ?
  <fac:_organisationExtension> com:\_ExtensionType </fac:_organisationExtension> [0..1]
  <fac:organisationReference> fac:OrganisationSpecificationVersionedReference </fac:organisationReference> [1] ?
  <fac:organisationTableReference> fac:\_OrganisationTableVersionedReference </fac:organisationTableReference> [0..1] ?
  <fac:_organisationByReferenceExtension> com:\_ExtensionType </fac:_organisationByReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```

<xs:complexType name="OrganisationByReference">
  <xs:complexContent>
    <xs:extension base="fac:Organisation">
      <xs:sequence>
        <xs:element name="organisationReference" type="fac:_OrganisationSpecificationVersionedReference"
          minOccurs="1" maxOccurs="1"/>
        <xs:element name="organisationTableReference" type="fac:_OrganisationTableVersionedReference" minOccurs="0"
          maxOccurs="1"/>
        <xs:element name="_organisationByReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: OrganisationSpecification

Super-types: [Organisation](#) < OrganisationSpecification (by extension)

Sub-types: None

Name	OrganisationSpecification
Abstract	no
Documentation	Specification of an organisation. It must contain at least one unit.

XML Instance Representation

```

<...
id="xs:string [1]"
version="xs:string [1]">
  <fac:generalTimeValidity> com:OverallPeriod </fac:generalTimeValidity> [0..1] ?
  <fac:_organisationExtension> com:_ExtensionType </fac:_organisationExtension> [0..1]
  <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
  <fac:name> com:MultilingualString </fac:name> [1] ?
  <fac:externalCode> com:String </fac:externalCode> [0..1] ?
  <fac:legalName> com:MultilingualString </fac:legalName> [0..1] ?
  <fac:description> com:MultilingualString </fac:description> [0..1] ?
  <fac:linkToGeneralInformation> com:Url </fac:linkToGeneralInformation> [0..1] ?
  <fac:linkToLogo> com:Url </fac:linkToLogo> [0..1] ?
  <fac:linkToWebform> com:Url </fac:linkToWebform> [0..1] ?
  <fac:available24hours> com:Boolean </fac:available24hours> [0..1] ?
  <fac:responsibility> com:MultilingualString </fac:responsibility> [0..*] ?
  <fac:publishingAgreement> com:Boolean </fac:publishingAgreement> [0..1] ?
  <fac:type> fac:_OrganisationTypeEnum </fac:type> [0..1] ?
  <fac:nationalOrganisationNumber> com:String </fac:nationalOrganisationNumber> [0..1] ?
  <fac:nationalRegister> com:String </fac:nationalRegister> [0..1] ?
  <fac:vatIdentificationNumber> com:String </fac:vatIdentificationNumber> [0..1] ?
  <fac:organisationUnit> fac:OrganisationUnit </fac:organisationUnit> [1..*]
  <fac:subOrganisation> fac:Organisation </fac:subOrganisation> [0..*] ?
  <fac:_organisationSpecificationExtension> com:_ExtensionType </fac:_organisationSpecificationExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="OrganisationSpecification">
  <xs:complexContent>
    <xs:extension base="fac:Organisation">
      <xs:sequence>
        <xs:element name="lastUpdated" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
        <xs:element name="name" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
        <xs:element name="externalCode" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="legalName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="linkToGeneralInformation" type="com:Url" minOccurs="0" maxOccurs="1"/>
        <xs:element name="linkToLogo" type="com:Url" minOccurs="0" maxOccurs="1"/>
        <xs:element name="linkToWebform" type="com:Url" minOccurs="0" maxOccurs="1"/>
        <xs:element name="available24hours" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="responsibility" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="publishingAgreement" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="type" type="fac:_OrganisationTypeEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="nationalOrganisationNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="nationalRegister" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="vatIdentificationNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="organisationUnit" type="fac:OrganisationUnit" maxOccurs="unbounded"/>
        <xs:element name="subOrganisation" type="fac:Organisation" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_organisationSpecificationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
      <xs:attribute name="id" type="xs:string" use="required"/>
      <xs:attribute name="version" type="xs:string" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: OrganisationUnit

Super-types: None

Sub-types: None

Name	OrganisationUnit
Abstract	no
Documentation	A unit within the organisation, which has got separate location, operating hours, address and/or contacts.

XML Instance Representation

```
<...>
  <fac:name> com:MultilingualString </fac:name> [0..1] ?
  <fac:function> com:MultilingualString </fac:function> [0..*] ?
  <fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]
  <fac:contactInformation> fac:ContactInformation </fac:contactInformation> [0..*]
  <fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]
  <fac:_organisationUnitExtension> com:_ExtensionType </fac:_organisationUnitExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OrganisationUnit">
  <xs:sequence>
    <xs:element name="name" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="function" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="locationReference" type="loc:LocationReference" minOccurs="0" maxOccurs="1"/>
    <xs:element name="contactInformation" type="fac:ContactInformation" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="operatingHours" type="fac:OperatingHours" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_organisationUnitExtension" type="com:_ExtensionType" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: PaymentMethod

Super-types:	None
Sub-types:	None

Name	PaymentMethod
Abstract	no
Documentation	Provides information on the means of payment available

XML Instance Representation

```
<...>
  <fac:paymentMeans> fac:_MeansOfPaymentEnum </fac:paymentMeans> [0..*] ?
  <fac:paymentMode> fac:_PaymentTimingEnum </fac:paymentMode> [0..*] ?
  <fac:brandsAcceptedText> fac:BrandsAcceptedText </fac:brandsAcceptedText> [0..*]
  <fac:brandsAcceptedCodeList> fac:BrandsAcceptedCodeList </fac:brandsAcceptedCodeList> [0..*]
  <fac:_paymentMethodExtension> com:_ExtensionType </fac:_paymentMethodExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PaymentMethod">
  <xs:sequence>
    <xs:element name="paymentMeans" type="fac:_MeansOfPaymentEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="paymentMode" type="fac:_PaymentTimingEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="brandsAcceptedText" type="fac:BrandsAcceptedText" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="brandsAcceptedCodeList" type="fac:BrandsAcceptedCodeList" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_paymentMethodExtension" type="com:_ExtensionType" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: Qualification

Super-types:	None
Sub-types:	None

Name	Qualification
Abstract	no
Documentation	A singular set of criteria used to test eligibility for use of a rate table.

XML Instance Representation

```
<...>
  <fac:withReservation> com:Boolean </fac:withReservation> [0..1] ?
  <fac:propulsionEnergyType> fac:_EnergySourceEnum </fac:propulsionEnergyType> [0..*] ?
  <fac:noFeeToUse> com:Boolean </fac:noFeeToUse> [0..1] ?
  <fac:withMembership> com:Boolean </fac:withMembership> [0..1] ?
  <fac:membershipName> com:MultilingualString </fac:membershipName> [0..*] ?
  <fac:memberOfOtherRateTable> com:Boolean </fac:memberOfOtherRateTable> [0..1] ?
  <fac:rateTableMember> fac:_RateTableVersionedReference </fac:rateTableMember> [0..*] ?
  <fac:activeAssignedRight> com:String </fac:activeAssignedRight> [0..1] ?
  <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..*]
  <fac:vehicleCharacteristics> com:VehicleCharacteristics </fac:vehicleCharacteristics> [0..*]
  <fac:userQualification> fac:UserQualification </fac:userQualification> [0..*]
  <fac:_qualificationExtension> com:_ExtensionType </fac:_qualificationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Qualification">
  <xs:sequence>
    <xs:element name="withReservation" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="propulsionEnergyType" type="fac:_EnergySourceEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="noFeeToUse" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="withMembership" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="membershipName" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

```

<xs:element name="memberOfOtherRateTable" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
<xs:element name="rateTableMember" type="fac:_RateTableVersionedReference" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="activeAssignedRight" type="com:String" minOccurs="0" maxOccurs="1"/>
<xs:element name="paymentMethod" type="fac:PaymentMethod" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="vehicleCharacteristics" type="com:VehicleCharacteristics" minOccurs="0"
maxOccurs="unbounded"/>
<xs:element name="userQualification" type="fac:UserQualification" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="_qualificationExtension" type="com:_ExtensionType" minOccurs="0"/>
</xs:sequence>
</xs:complexType>

```

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Complex Type: RateDiscount

Super-types: None
Sub-types: None

Name RateDiscount
Abstract no
Documentation Class defining discount rates to be applied to a RateTable

XML Instance Representation

```

<...>
  <fac:discountRate> com:Percentage </fac:discountRate> [0..1] ?
  <fac:fixedValue> fac:AmountInCurrency </fac:fixedValue> [0..1] ?
  <fac:_rateDiscountExtension> com:_ExtensionType </fac:_rateDiscountExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="RateDiscount">
  <xs:sequence>
    <xs:element name="discountRate" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
    <xs:element name="fixedValue" type="fac:AmountInCurrency" minOccurs="0"/>
    <xs:element name="_rateDiscountExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

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Complex Type: RateEligibility

Super-types: None
Sub-types: None

Name RateEligibility
Abstract no
Documentation Defines the combination of Eligibility requirements with RateTables and associates this combination to a RightSpecification.

XML Instance Representation

```

<...>
  <fac:priority> com:Integer </fac:priority> [0..1] ?
  <fac:combinable> com:Boolean </fac:combinable> [0..1] ?
  <fac:rateDiscount> fac:RateDiscount </fac:rateDiscount> [0..1]
  <fac:eligibility> fac:Eligibility </fac:eligibility> [1]
  <fac:rightSpecification> fac:RightSpecification </fac:rightSpecification> [0..*]
  <fac:_rateEligibilityExtension> com:_ExtensionType </fac:_rateEligibilityExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="RateEligibility">
  <xs:sequence>
    <xs:element name="priority" type="com:Integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="combinable" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="rateDiscount" type="fac:RateDiscount" minOccurs="0"/>
    <xs:element name="eligibility" type="fac:Eligibility"/>
    <xs:element name="rightSpecification" type="fac:RightSpecification" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_rateEligibilityExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

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Complex Type: RateLine

Super-types: None
Sub-types: None

Name RateLine
Abstract no
Documentation A specific rate element of a rate line collection within a specific rate table.

XML Instance Representation

```

<...
sequence="com:Integer [1] ? ">

```



```

</fac:rateLineType> fac:RateLineTypeEnum </fac:rateLineType> [1] ?
</fac:description> com:MultilingualString </fac:description> [0..1] ?
</fac:durationStart> com:Time </fac:durationStart> [0..1] ?
</fac:durationEnd> com:Time </fac:durationEnd> [0..1] ?
</fac:incrementPeriod> fac:Duration </fac:incrementPeriod> [0..1] ?
</fac:value> fac:AmountOfMoney </fac:value> [1] ?
</fac:minValue> fac:AmountOfMoney </fac:minValue> [0..1] ?
</fac:maxValue> fac:AmountOfMoney </fac:maxValue> [0..1] ?
</fac:usageCondition> fac:RateUsageConditionsTypeEnum </fac:usageCondition> [0..1] ?
</fac:surcharge> fac:Surcharge </fac:surcharge> [0..*]
</fac:rateLineTax> fac:RateLineTax </fac:rateLineTax> [0..*]
</fac:_rateLineExtension> com:_ExtensionType </fac:_rateLineExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="RateLine">
  <xs:sequence>
    <xs:element name="rateLineType" type="fac:RateLineTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="durationStart" type="com:Time" minOccurs="0" maxOccurs="1"/>
    <xs:element name="durationEnd" type="com:Time" minOccurs="0" maxOccurs="1"/>
    <xs:element name="incrementPeriod" type="fac:Duration" minOccurs="0" maxOccurs="1"/>
    <xs:element name="value" type="fac:AmountOfMoney" minOccurs="1" maxOccurs="1"/>
    <xs:element name="minValue" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
    <xs:element name="maxValue" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
    <xs:element name="usageCondition" type="fac:RateUsageConditionsTypeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="surcharge" type="fac:Surcharge" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="rateLineTax" type="fac:RateLineTax" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_rateLineExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="sequence" type="com:Integer" use="required"/>
</xs:complexType>

```

[top](#)

Complex Type: RateLineCollection

Super-types: None

Sub-types:

- [RelativeTimeRates](#) (by extension)

Name RateLineCollection

Abstract no

Documentation A group of rate line elements that logically group together within one rate table, e.g. such as the rate lines for the different tiers of a time-based tier rate table.

XML Instance Representation

```

<...
collectionSequence="com:Integer [1] ?">
  <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..1] ?
  <fac:minValueCollection> fac:AmountOfMoney </fac:minValueCollection> [0..1] ?
  <fac:maxValueCollection> fac:AmountOfMoney </fac:maxValueCollection> [0..1] ?
  <fac:validStart> com:DateTime </fac:validStart> [0..1] ?
  <fac:validEnd> com:DateTime </fac:validEnd> [0..1] ?
  <fac:minTime> fac:Duration </fac:minTime> [0..1] ?
  <fac:maxTime> fac:Duration </fac:maxTime> [0..1] ?
  <fac:resetTime> com:Time </fac:resetTime> [0..1] ?
  <fac:taxIncluded> com:Boolean </fac:taxIncluded> [0..1] ?
  <fac:taxRate> com:Percentage </fac:taxRate> [0..1] ?
  <fac:taxValue> fac:AmountOfMoney </fac:taxValue> [0..1] ?
  <fac:relativeTimes> com:Boolean </fac:relativeTimes> [0..1] ?
  <fac:rateLine> fac:RateLine </fac:rateLine> [1..*]
  </fac:_rateLineCollectionExtension> com:_ExtensionType </fac:_rateLineCollectionExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="RateLineCollection">
  <xs:sequence>
    <xs:element name="applicableCurrency" type="fac:CurrencyCode" minOccurs="0" maxOccurs="1"/>
    <xs:element name="minValueCollection" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
    <xs:element name="maxValueCollection" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
    <xs:element name="validStart" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="validEnd" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="minTime" type="fac:Duration" minOccurs="0" maxOccurs="1"/>
    <xs:element name="maxTime" type="fac:Duration" minOccurs="0" maxOccurs="1"/>
    <xs:element name="resetTime" type="com:Time" minOccurs="0" maxOccurs="1"/>
    <xs:element name="taxIncluded" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="taxRate" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
    <xs:element name="taxValue" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
    <xs:element name="relativeTimes" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="rateLine" type="fac:RateLine" maxOccurs="unbounded"/>
    <xs:element name="_rateLineCollectionExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="collectionSequence" type="com:Integer" use="required"/>
</xs:complexType>

```

[top](#)

Complex Type: RateLineTax

Super-types: None

Sub-types: None

Name	RateLineTax
Abstract	no
Documentation	Class containing details of tax to be applied to a RateLine

XML Instance Representation

```
<...>
  <fac:taxValue> fac:AmountOfMoney </fac:taxValue> [0..1] ?
  <fac:taxRate> com:Percentage </fac:taxRate> [0..1] ?
  <fac:taxIncluded> com:Boolean </fac:taxIncluded> [1] ?
  <fac:trigger> com:MultilingualString </fac:trigger> [0..1] ?
  <fac:labelForDisplay> com:MultilingualString </fac:labelForDisplay> [0..1] ?
  <fac:_rateLineTaxExtension> com:_ExtensionType </fac:_rateLineTaxExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RateLineTax">
  <xs:sequence>
    <xs:element name="taxValue" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
    <xs:element name="taxRate" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
    <xs:element name="taxIncluded" type="com:Boolean" minOccurs="1" maxOccurs="1"/>
    <xs:element name="trigger" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="labelForDisplay" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_rateLineTaxExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: RateTable

Super-types:	Rates < RateTable (by extension)
Sub-types:	None

Name	RateTable
Abstract	no
Documentation	A specific set of rate charges relating to one or more locations and optionally one set of eligibility criteria.

XML Instance Representation

```
<...
  id="xs:string [1]"
  version="xs:string [1]">
  <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
  <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
  <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
  <fac:energyPricingPolicy> egl:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
  <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
  <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
  <fac:rateTableName> com:MultilingualString </fac:rateTableName> [0..1] ?
  <fac:activeTimes> fac:Duration </fac:activeTimes> [0..*] ?
  <fac:availability> fac:_RateAvailabilityTypeEnum </fac:availability> [0..1] ?
  <fac:rateResponsibleParty> fac:_OrganisationVersionedReference </fac:rateResponsibleParty> [0..1] ?
  <fac:rateSupersedeLink> fac:_RateTableVersionedReference </fac:rateSupersedeLink> [0..1] ?
  <fac:validation> com:Boolean </fac:validation> [0..1] ?
  <fac:rateType> fac:_RateTypeEnum </fac:rateType> [0..1] ?
  <fac:validityStart> com:DateTime </fac:validityStart> [0..1] ?
  <fac:validityEnd> com:DateTime </fac:validityEnd> [0..1] ?
  <fac:additionalInformation> com:Uri </fac:additionalInformation> [0..1] ?
  <fac:rateLineCollection> fac:RateLineCollection </fac:rateLineCollection> [0..*]
  <fac:rateEligibility> fac:RateEligibility </fac:rateEligibility> [0..1]
  <fac:_rateTableExtension> com:_ExtensionType </fac:_rateTableExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RateTable">
  <xs:complexContent>
    <xs:extension base="fac:Rates">
      <xs:sequence>
        <xs:element name="lastUpdated" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
        <xs:element name="rateTableName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="activeTimes" type="fac:Duration" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="availability" type="fac:_RateAvailabilityTypeEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="rateResponsibleParty" type="fac:_OrganisationVersionedReference" minOccurs="0" maxOccurs="1"/>
        <xs:element name="rateSupersedeLink" type="fac:_RateTableVersionedReference" minOccurs="0" maxOccurs="1"/>
        <xs:element name="validation" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="rateType" type="fac:_RateTypeEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="validityStart" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
        <xs:element name="validityEnd" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
        <xs:element name="additionalInformation" type="com:Uri" minOccurs="0" maxOccurs="1"/>
        <xs:element name="rateLineCollection" type="fac:RateLineCollection" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="rateEligibility" type="fac:RateEligibility" minOccurs="0"/>
        <xs:element name="_rateTableExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
      <xs:attribute name="id" type="xs:string" use="required"/>
      <xs:attribute name="version" type="xs:string" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: Rates

Super-types: None

Sub-types:

- [FreeOfCharge](#) (by extension)
- [GeneralRateInformation](#) (by extension)
- [RatesByReference](#) (by extension)
- [RateTable](#) (by extension)
- [UnknownRates](#) (by extension)
- [UnspecifiedRates](#) (by extension)

Name Rates

Abstract yes

Documentation Information about rates, either by reference or by a table specification.

XML Instance Representation

```
<...>
  <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
  <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
  <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
  <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
  <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Rates" abstract="true">
  <xs:sequence>
    <xs:element name="applicableCurrency" type="fac:CurrencyCode" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="paymentMethod" type="fac:PaymentMethod" minOccurs="0"/>
    <xs:element name="overallPeriod" type="com:OverallPeriod" minOccurs="0"/>
    <xs:element name="energyPricingPolicy" type="egi:EnergyPricingPolicy" minOccurs="0"/>
    <xs:element name="_ratesExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **RatesByReference**

Super-types: [Rates](#) < **RatesByReference** (by extension)

Sub-types: None

Name RatesByReference

Abstract no

Documentation Reference to a rate table previously specified.

XML Instance Representation

```
<...>
  <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
  <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
  <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
  <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
  <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
  <fac:rateTableReference> fac:_RateTableVersionedReference </fac:rateTableReference> [1] ?
  <fac:rateMatrixReference> fac:_RateMatrixVersionedReference </fac:rateMatrixReference> [0..1] ?
  <fac:_ratesByReferenceExtension> com:_ExtensionType </fac:_ratesByReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RatesByReference">
  <xs:complexContent>
    <xs:extension base="fac:Rates">
      <xs:sequence>
        <xs:element name="rateTableReference" type="fac:_RateTableVersionedReference" minOccurs="1" maxOccurs="1"/>
        <xs:element name="rateMatrixReference" type="fac:_RateMatrixVersionedReference" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_ratesByReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **RelativeTimeRates**

Super-types: [RateLineCollection](#) < **RelativeTimeRates** (by extension)

Sub-types: None

Name RelativeTimeRates

Abstract no

Documentation A class supporting the specification of times for defining rate applicability that are relative to a defined referenceTimeStart of an event.

XML Instance Representation

```
<...
  collectionSequence="com:Integer [1] ?">
    <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..1] ?
    <fac:minValueCollection> fac:AmountOfMoney </fac:minValueCollection> [0..1] ?
```

```

<fac:maxValueCollection> fac:AmountOfMoney </fac:maxValueCollection> [0..1] ?
<fac:validStart> com:DateTime </fac:validStart> [0..1] ?
<fac:validEnd> com:DateTime </fac:validEnd> [0..1] ?
<fac:minTime> fac:Duration </fac:minTime> [0..1] ?
<fac:maxTime> fac:Duration </fac:maxTime> [0..1] ?
<fac:resetTime> com:Time </fac:resetTime> [0..1] ?
<fac:taxIncluded> com:Boolean </fac:taxIncluded> [0..1] ?
<fac:taxRate> com:Percentage </fac:taxRate> [0..1] ?
<fac:taxValue> fac:AmountOfMoney </fac:taxValue> [0..1] ?
<fac:relativeTimes> com:Boolean </fac:relativeTimes> [0..1] ?
<fac:rateLine> fac:RateLine </fac:rateLine> [1..*]
<fac:_rateLineCollectionExtension> com:_ExtensionType </fac:_rateLineCollectionExtension> [0..1]
<fac:referenceTimeStart> com:DateTime </fac:referenceTimeStart> [0..1] ?
<fac:referenceTimeEnd> com:DateTime </fac:referenceTimeEnd> [0..1] ?
<fac:_relativeTimeRatesExtension> com:_ExtensionType </fac:_relativeTimeRatesExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="RelativeTimeRates">
  <xs:complexContent>
    <xs:extension base="fac:RateLineCollection">
      <xs:sequence>
        <xs:element name="referenceTimeStart" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
        <xs:element name="referenceTimeEnd" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_relativeTimeRatesExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: RightSpecification

Super-types: None
Sub-types: None

Name RightSpecification
Abstract no
Documentation A Right Specification explicitly defines what the owner/manager of a Place is granting specific users or vehicles the ability to do (e.g. park, delivery, pick up).

XML Instance Representation

```

<...>
<fac:type> fac:_RightTypeEnum </fac:type> [0..1] ?
<fac:description> com:MultilingualString </fac:description> [0..*] ?
<fac:expiry> com:DateTime </fac:expiry> [0..1] ?
<fac:financialReference> com:String </fac:financialReference> [0..1] ?
<fac:issuer> fac:_OrganisationVersionedReference </fac:issuer> [0..1] ?
<fac:noFeeToUse> com:Boolean </fac:noFeeToUse> [0..1] ?
<fac:credential> fac:Credential </fac:credential> [0..*]
<fac:validity> com:Validity </fac:validity> [0..1]
<fac:_rightSpecificationExtension> com:_ExtensionType </fac:_rightSpecificationExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="RightSpecification">
  <xs:sequence>
    <xs:element name="type" type="fac:_RightTypeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="expiry" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="financialReference" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="issuer" type="fac:_OrganisationVersionedReference" minOccurs="0" maxOccurs="1"/>
    <xs:element name="noFeeToUse" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="credential" type="fac:Credential" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="validity" type="com:Validity" minOccurs="0"/>
    <xs:element name="_rightSpecificationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: SupplementalEquipment

Super-types: [FacilityObject](#) < [SupplementalFacility](#) (by extension) < **SupplementalEquipment** (by extension)
Sub-types: None

Name SupplementalEquipment
Abstract no
Documentation One type of supplemental equipment, which is available on some site, for example on a rest area.

XML Instance Representation

```

<...
id="xs:string [1]"
version="xs:string [1]">
  <fac:name> com:MultilingualString </fac:name> [0..1] ?
  <fac:alias> com:MultilingualString </fac:alias> [0..*] ?
  <fac:externalIdentifier> com:String </fac:externalIdentifier> [0..1] ?
  <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
  <fac:description> com:MultilingualString </fac:description> [0..1] ?

```

```

</fac:accessibility> fac:AccessibilityEnum </fac:accessibility> [0..*] ?
</fac:additionalInformation> com:MultilingualString </fac:additionalInformation> [0..*] ?
</fac:informationWebsite> com:UriLink </fac:informationWebsite> [0..*] ?
</fac:photoUrl> com:UriLink </fac:photoUrl> [0..*] ?
</fac:photo> fac:Image </fac:photo> [0..*] ?
</fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]
</fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]
</fac:owner> fac:Organisation </fac:owner> [0..1] ?
</fac:operator> fac:Organisation </fac:operator> [0..1] ?
</fac:associatedFacility> fac:AssociatedFacility </fac:associatedFacility> [0..*]
</fac:rates> fac:Rates </fac:rates> [0..1]
</fac:applicableForVehicles> com:VehicleCharacteristics </fac:applicableForVehicles> [0..*] ?
</fac:dimension> fac:Dimension </fac:dimension> [0..1]
</fac:facilityObjectExtension> com:ExtensionType </fac:facilityObjectExtension> [0..1]
</fac:availability> fac:AvailabilityEnum </fac:availability> [0..1] ?
</fac:quantity> com:NonNegativeInteger </fac:quantity> [0..1] ?
</fac:regularlyCleaned> com:Boolean </fac:regularlyCleaned> [0..1] ?
</fac:applicableForUser> fac:UserTypeEnum </fac:applicableForUser> [0..*] ?
</fac:_supplementalFacilityExtension> com:ExtensionType </fac:_supplementalFacilityExtension> [0..1]
</fac:equipmentType> fac:EquipmentTypeEnum </fac:equipmentType> [1] ?
</fac:_supplementalEquipmentExtension> com:ExtensionType </fac:_supplementalEquipmentExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="SupplementalEquipment">
  <xs:complexContent>
    <xs:extension base="fac:SupplementalFacility">
      <xs:sequence>
        <xs:element name="equipmentType" type="fac:EquipmentTypeEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_supplementalEquipmentExtension" type="com:ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: SupplementalFacility

Super-types: [FacilityObject](#) < **SupplementalFacility** (by extension)

Sub-types:

- [SupplementalEquipment](#) (by extension)
- [SupplementalServiceFacility](#) (by extension)

Name SupplementalFacility

Abstract yes

Documentation One type of supplemental facility which can be supplemental equipment or a supplemental service facility.

XML Instance Representation

```

<...
id="xs:string [1]"
version="xs:string [1]">
  <fac:name> com:MultilingualString </fac:name> [0..1] ?
  <fac:alias> com:MultilingualString </fac:alias> [0..*] ?
  <fac:externalIdentifier> com:String </fac:externalIdentifier> [0..1] ?
  <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?
  <fac:description> com:MultilingualString </fac:description> [0..1] ?
  <fac:accessibility> fac:AccessibilityEnum </fac:accessibility> [0..*] ?
  <fac:additionalInformation> com:MultilingualString </fac:additionalInformation> [0..*] ?
  <fac:informationWebsite> com:UriLink </fac:informationWebsite> [0..*] ?
  <fac:photoUrl> com:UriLink </fac:photoUrl> [0..*] ?
  <fac:photo> fac:Image </fac:photo> [0..*] ?
  <fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]
  <fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]
  <fac:owner> fac:Organisation </fac:owner> [0..1] ?
  <fac:operator> fac:Organisation </fac:operator> [0..1] ?
  <fac:associatedFacility> fac:AssociatedFacility </fac:associatedFacility> [0..*]
  <fac:rates> fac:Rates </fac:rates> [0..1]
  <fac:applicableForVehicles> com:VehicleCharacteristics </fac:applicableForVehicles> [0..*] ?
  <fac:dimension> fac:Dimension </fac:dimension> [0..1]
  <fac:facilityObjectExtension> com:ExtensionType </fac:facilityObjectExtension> [0..1]
  <fac:availability> fac:AvailabilityEnum </fac:availability> [0..1] ?
  <fac:quantity> com:NonNegativeInteger </fac:quantity> [0..1] ?
  <fac:regularlyCleaned> com:Boolean </fac:regularlyCleaned> [0..1] ?
  <fac:applicableForUser> fac:UserTypeEnum </fac:applicableForUser> [0..*] ?
  <fac:_supplementalFacilityExtension> com:ExtensionType </fac:_supplementalFacilityExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="SupplementalFacility" abstract="true">
  <xs:complexContent>
    <xs:extension base="fac:FacilityObject">
      <xs:sequence>
        <xs:element name="availability" type="fac:AvailabilityEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="quantity" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
        <xs:element name="regularlyCleaned" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="applicableForUser" type="fac:UserTypeEnum" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_supplementalFacilityExtension" type="com:ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: SupplementalServiceFacility

Super-types:	FacilityObject < SupplementalFacility (by extension) < SupplementalServiceFacility (by extension)
Sub-types:	None

Name	SupplementalServiceFacility
Abstract	no
Documentation	One type of supplemental service facility. You can specify the number of this service facility type (e.g. 5 restaurants) as well as the number of subitems (e.g. 200 restaurant places).

XML Instance Representation

```
<...  
  id="xs:string [1]"  
  version="xs:string [1]">  
    <fac:name> com:MultilingualString </fac:name> [0..1] ?  
    <fac:alias> com:MultilingualString </fac:alias> [0..*] ?  
    <fac:externalIdentifier> com:String </fac:externalIdentifier> [0..1] ?  
    <fac:lastUpdated> com:DateTime </fac:lastUpdated> [0..1] ?  
    <fac:description> com:MultilingualString </fac:description> [0..1] ?  
    <fac:accessibility> fac:AccessibilityEnum </fac:accessibility> [0..*] ?  
    <fac:additionalInformation> com:MultilingualString </fac:additionalInformation> [0..*] ?  
    <fac:informationWebsite> com:UrlLink </fac:informationWebsite> [0..*] ?  
    <fac:photoUrl> com:UrlLink </fac:photoUrl> [0..*] ?  
    <fac:photo> fac:Image </fac:photo> [0..*] ?  
    <fac:operatingHours> fac:OperatingHours </fac:operatingHours> [0..1]  
    <fac:locationReference> loc:LocationReference </fac:locationReference> [0..1]  
    <fac:owner> fac:Organisation </fac:owner> [0..1] ?  
    <fac:operator> fac:Organisation </fac:operator> [0..1] ?  
    <fac:associatedFacility> fac:AssociatedFacility </fac:associatedFacility> [0..*]  
    <fac:rates> fac:Rates </fac:rates> [0..1]  
    <fac:applicableForVehicles> com:VehicleCharacteristics </fac:applicableForVehicles> [0..*] ?  
    <fac:dimension> fac:Dimension </fac:dimension> [0..1]  
    <fac:_facilityObjectExtension> com:_ExtensionType </fac:_facilityObjectExtension> [0..1]  
    <fac:availability> fac:AvailabilityEnum </fac:availability> [0..1] ?  
    <fac:quantity> com:NonNegativeInteger </fac:quantity> [0..1] ?  
    <fac:regularlyCleaned> com:Boolean </fac:regularlyCleaned> [0..1] ?  
    <fac:applicableForUser> fac:_UserTypeEnum </fac:applicableForUser> [0..*] ?  
    <fac:_supplementalFacilityExtension> com:_ExtensionType </fac:_supplementalFacilityExtension> [0..1]  
    <fac:serviceFacilityType> fac:_ServiceFacilityTypeEnum </fac:serviceFacilityType> [1] ?  
    <fac:numberOfSubitems> com:NonNegativeInteger </fac:numberOfSubitems> [0..1] ?  
    <fac:distanceFromOriginFacility> com:MetresAsNonNegativeInteger </fac:distanceFromOriginFacility> [0..1] ?  
    <fac:_supplementalServiceFacilityExtension> com:_ExtensionType </fac:_supplementalServiceFacilityExtension> [0..1]  
  </...>
```

Schema Component Representation

```
<xs:complexType name="SupplementalServiceFacility">  
  <xs:complexContent>  
    <xs:extension base="fac:SupplementalFacility">  
      <xs:sequence>  
        <xs:element name="serviceFacilityType" type="fac:_ServiceFacilityTypeEnum" minOccurs="1" maxOccurs="1"/>  
        <xs:element name="numberOfSubitems" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>  
        <xs:element name="distanceFromOriginFacility" type="com:MetresAsNonNegativeInteger" minOccurs="0" maxOccurs="1"/>  
        <xs:element name="_supplementalServiceFacilityExtension" type="com:_ExtensionType" minOccurs="0"/>  
      </xs:sequence>  
    </xs:extension>  
  </xs:complexContent>  
</xs:complexType>
```

[top](#)

Complex Type: Surcharge

Super-types:	None
Sub-types:	None

Name	Surcharge
Abstract	no
Documentation	Free-text description of the condition that leads to a surcharge being applied

XML Instance Representation

```
<...>  
  <fac:surchargeType> fac:_SurchargeTypeEnum </fac:surchargeType> [1] ?  
  <fac:value> fac:AmountOfMoney </fac:value> [0..1] ?  
  <fac:rate> com:Percentage </fac:rate> [0..1] ?  
  <fac:trigger> com:MultilingualString </fac:trigger> [0..1] ?  
  <fac:refund> fac:_RefundTypeEnum </fac:refund> [0..1] ?  
  <fac:labelForDisplay> com:MultilingualString </fac:labelForDisplay> [0..1] ?  
  <fac:_surchargeExtension> com:_ExtensionType </fac:_surchargeExtension> [0..1]  
</...>
```

Schema Component Representation

```
<xs:complexType name="Surcharge">  
  <xs:sequence>  
    <xs:element name="surchargeType" type="fac:_SurchargeTypeEnum" minOccurs="1" maxOccurs="1"/>  
    <xs:element name="value" type="fac:AmountOfMoney" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="rate" type="com:Percentage" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="trigger" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="refund" type="fac:_RefundTypeEnum" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="labelForDisplay" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="_surchargeExtension" type="com:_ExtensionType" minOccurs="0"/>  
  </xs:sequence>  
</xs:complexType>
```

```
</xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: UndefinedOperatingHours

Super-types: [OperatingHours](#) < UndefinedOperatingHours (by extension)

Sub-types: None

Name UndefinedOperatingHours
Abstract no
Documentation There are no operating hours specified.

XML Instance Representation

```
<...>
  <fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
  <fac:_operatingHoursExtension> com:_ExtensionType </fac:_operatingHoursExtension> [0..1]
  <fac:_undefinedOperatingHoursExtension> com:_ExtensionType </fac:_undefinedOperatingHoursExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UndefinedOperatingHours">
  <xs:complexContent>
    <xs:extension base="fac:OperatingHours">
      <xs:sequence>
        <xs:element name="_undefinedOperatingHoursExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: UndefinedOrganisation

Super-types: [Organisation](#) < UndefinedOrganisation (by extension)

Sub-types: None

Name UndefinedOrganisation
Abstract no
Documentation The organisation for the specified association end (within the specified validity if applicable) is not defined.

XML Instance Representation

```
<...>
  <fac:generalTimeValidity> com:OverallPeriod </fac:generalTimeValidity> [0..1] ?
  <fac:_organisationExtension> com:_ExtensionType </fac:_organisationExtension> [0..1]
  <fac:_undefinedOrganisationExtension> com:_ExtensionType </fac:_undefinedOrganisationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UndefinedOrganisation">
  <xs:complexContent>
    <xs:extension base="fac:Organisation">
      <xs:sequence>
        <xs:element name="_undefinedOrganisationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: UnknownOperatingHours

Super-types: [OperatingHours](#) < UnknownOperatingHours (by extension)

Sub-types: None

Name UnknownOperatingHours
Abstract no
Documentation The operating hours are not known.

XML Instance Representation

```
<...>
  <fac:closureInformation> fac:ClosureInformation </fac:closureInformation> [0..1]
  <fac:_operatingHoursExtension> com:_ExtensionType </fac:_operatingHoursExtension> [0..1]
  <fac:_unknownOperatingHoursExtension> com:_ExtensionType </fac:_unknownOperatingHoursExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UnknownOperatingHours">
  <xs:complexContent>
    <xs:extension base="fac:OperatingHours">
      <xs:sequence>
        <xs:element name="_unknownOperatingHoursExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **UnknownOrganisation**

Super-types: [Organisation](#) < **UnknownOrganisation** (by extension)

Sub-types: None

Name UnknownOrganisation

Abstract no

Documentation The organisation for the specified association end (within the specified validity if applicable) is unknown.

XML Instance Representation

```
<...>
  <fac:generalTimeValidity> com:OverallPeriod </fac:generalTimeValidity> [0..1] ?
  <fac:organisationExtension> com:_ExtensionType </fac:organisationExtension> [0..1]
  <fac:_unknownOrganisationExtension> com:_ExtensionType </fac:_unknownOrganisationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UnknownOrganisation">
  <xs:complexContent>
    <xs:extension base="fac:Organisation">
      <xs:sequence>
        <xs:element name="_unknownOrganisationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **UnknownRates**

Super-types: [Rates](#) < **UnknownRates** (by extension)

Sub-types: None

Name UnknownRates

Abstract no

Documentation There is no information about rates.

XML Instance Representation

```
<...>
  <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
  <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
  <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
  <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
  <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
  <fac:_unknownRatesExtension> com:_ExtensionType </fac:_unknownRatesExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UnknownRates">
  <xs:complexContent>
    <xs:extension base="fac:Rates">
      <xs:sequence>
        <xs:element name="_unknownRatesExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **UnspecifiedRates**

Super-types: [Rates](#) < **UnspecifiedRates** (by extension)

Sub-types: None

Name UnspecifiedRates

Abstract no

Documentation Rates are not (yet) specified.

XML Instance Representation

```
<...>
  <fac:applicableCurrency> fac:CurrencyCode </fac:applicableCurrency> [0..*] ?
  <fac:paymentMethod> fac:PaymentMethod </fac:paymentMethod> [0..1]
  <fac:overallPeriod> com:OverallPeriod </fac:overallPeriod> [0..1]
  <fac:energyPricingPolicy> egi:EnergyPricingPolicy </fac:energyPricingPolicy> [0..1]
  <fac:_ratesExtension> com:_ExtensionType </fac:_ratesExtension> [0..1]
  <fac:_unspecifiedRatesExtension> com:_ExtensionType </fac:_unspecifiedRatesExtension> [0..1]
</...>
```


Schema Component Representation

```
<xs:complexType name="UnspecifiedRates">
  <xs:complexContent>
    <xs:extension base="fac:Rates">
      <xs:sequence>
        <xs:element name="_unspecifiedRatesExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **UserQualification**

Super-types:	None
Sub-types:	None

Name	UserQualification
<u>Abstract</u>	no
Documentation	Class supporting the definition of user group characteristics

XML Instance Representation

```
<...>
  <fac:userGroup> fac:_UserTypeEnum </fac:userGroup> [1] ?
  <fac:_userQualificationExtension> com:_ExtensionType </fac:_userQualificationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="UserQualification">
  <xs:sequence>
    <xs:element name="userGroup" type="fac:_UserTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_userQualificationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **_AccessibilityEnum**

Super-types:	xs:string < AccessibilityEnum (by restriction) < _AccessibilityEnum (by extension)
Sub-types:	None

Name	_AccessibilityEnum
<u>Abstract</u>	no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  fac:AccessibilityEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_AccessibilityEnum">
  <xs:simpleContent>
    <xs:extension base="fac:AccessibilityEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_AvailabilityEnum**

Super-types:	xs:string < AvailabilityEnum (by restriction) < _AvailabilityEnum (by extension)
Sub-types:	None

Name	_AvailabilityEnum
<u>Abstract</u>	no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  fac:AvailabilityEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_AvailabilityEnum">
  <xs:simpleContent>
    <xs:extension base="fac:AvailabilityEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```


Complex Type: **_CredentialTypeEnum**

Super-types: [xs:string](#) < [CredentialTypeEnum](#) (by restriction) < **_CredentialTypeEnum** (by extension)
 Sub-types: None

Name **_CredentialTypeEnum**
 Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    fac:CredentialTypeEnum
  </...>
```

Schema Component Representation

```
<xs:complexType name="_CredentialTypeEnum">
  <xs:simpleContent>
    <xs:extension base="fac:CredentialTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Complex Type: **_EnergySourceEnum**

Super-types: [xs:string](#) < [EnergySourceEnum](#) (by restriction) < **_EnergySourceEnum** (by extension)
 Sub-types: None

Name **_EnergySourceEnum**
 Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    fac:EnergySourceEnum
  </...>
```

Schema Component Representation

```
<xs:complexType name="_EnergySourceEnum">
  <xs:simpleContent>
    <xs:extension base="fac:EnergySourceEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Complex Type: **_EquipmentTypeEnum**

Super-types: [xs:string](#) < [EquipmentTypeEnum](#) (by restriction) < **_EquipmentTypeEnum** (by extension)
 Sub-types: None

Name **_EquipmentTypeEnum**
 Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    fac:EquipmentTypeEnum
  </...>
```

Schema Component Representation

```
<xs:complexType name="_EquipmentTypeEnum">
  <xs:simpleContent>
    <xs:extension base="fac:EquipmentTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Complex Type: **_FacilityObjectVersionedReference**

Super-types: [com:VersionedReference](#) < **_FacilityObjectVersionedReference** (by extension)
 Sub-types: None

Name **_FacilityObjectVersionedReference**

Abstract no

XML Instance Representation

```
<...
  targetClass="fac:FacilityObject [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_FacilityObjectVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:FacilityObject"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_FacilityTypeEnum**

Super-types:xs:string < [FacilityTypeEnum](#) (by restriction) < **_FacilityTypeEnum** (by extension)

Sub-types:None

Name _FacilityTypeEnum

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  fac:FacilityTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_FacilityTypeEnum">
  <xs:simpleContent>
    <xs:extension base="fac:FacilityTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ImageFormatEnum**

Super-types:xs:string < [ImageFormatEnum](#) (by restriction) < **_ImageFormatEnum** (by extension)

Sub-types:None

Name _ImageFormatEnum

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  fac:ImageFormatEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ImageFormatEnum">
  <xs:simpleContent>
    <xs:extension base="fac:ImageFormatEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_MeansOfPaymentEnum**

Super-types:xs:string < [MeansOfPaymentEnum](#) (by restriction) < **_MeansOfPaymentEnum** (by extension)

Sub-types:None

Name _MeansOfPaymentEnum

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  fac:MeansOfPaymentEnum
</...>
```

Schema Component Representation

```

<xs:complexType name="_MeansOfPaymentEnum">
  <xs:simpleContent>
    <xs:extension base="fac:MeansOfPaymentEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

[top](#)

Complex Type: **_OperatingHoursSpecificationVersionedReference**

Super-types: [com:VersionedReference](#) < **_OperatingHoursSpecificationVersionedReference** (by extension)
 Sub-types: None

Name **_OperatingHoursSpecificationVersionedReference**
 Abstract no

XML Instance Representation

```

<...
  targetClass="fac:OperatingHoursSpecification [1]">
    <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
    missing. -->
  </...>

```

Schema Component Representation

```

<xs:complexType name="_OperatingHoursSpecificationVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:OperatingHoursSpecification"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: **_OperatingHoursTableVersionedReference**

Super-types: [com:VersionedReference](#) < **_OperatingHoursTableVersionedReference** (by extension)
 Sub-types: None

Name **_OperatingHoursTableVersionedReference**
 Abstract no

XML Instance Representation

```

<...
  targetClass="fac:OperatingHoursTable [1]">
    <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
    missing. -->
  </...>

```

Schema Component Representation

```

<xs:complexType name="_OperatingHoursTableVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:OperatingHoursTable"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: **_OperationStatusEnum**

Super-types: [xs:string](#) < [OperationStatusEnum](#) (by restriction) < **_OperationStatusEnum** (by extension)
 Sub-types: None

Name **_OperationStatusEnum**
 Abstract no

XML Instance Representation

```

<...
  _extendedValue="xs:string [0..1]">
    fac:OperationStatusEnum
  </...>

```

Schema Component Representation

```

<xs:complexType name="_OperationStatusEnum">
  <xs:simpleContent>
    <xs:extension base="fac:OperationStatusEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

[top](#)

Complex Type: **_OrganisationSpecificationVersionedReference**

Super-types: [com:VersionedReference](#) < **_OrganisationSpecificationVersionedReference** (by extension)
Sub-types: None

Name **_OrganisationSpecificationVersionedReference**
Abstract no

XML Instance Representation

```
<...  
  targetClass="fac:OrganisationSpecification [1]">  
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be  
    missing. -->  
</...>
```

Schema Component Representation

```
<xs:complexType name="_OrganisationSpecificationVersionedReference">  
  <xs:complexContent>  
    <xs:extension base="com:VersionedReference">  
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:OrganisationSpecification"/>  
    </xs:extension>  
  </xs:complexContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_OrganisationTableVersionedReference**

Super-types: [com:VersionedReference](#) < **_OrganisationTableVersionedReference** (by extension)
Sub-types: None

Name **_OrganisationTableVersionedReference**
Abstract no

XML Instance Representation

```
<...  
  targetClass="fac:OrganisationTable [1]">  
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be  
    missing. -->  
</...>
```

Schema Component Representation

```
<xs:complexType name="_OrganisationTableVersionedReference">  
  <xs:complexContent>  
    <xs:extension base="com:VersionedReference">  
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:OrganisationTable"/>  
    </xs:extension>  
  </xs:complexContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_OrganisationTypeEnum**

Super-types: [xs:string](#) < [OrganisationTypeEnum](#) (by restriction) < **_OrganisationTypeEnum** (by extension)
Sub-types: None

Name **_OrganisationTypeEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  fac:OrganisationTypeEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_OrganisationTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="fac:OrganisationTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_OrganisationVersionedReference**

Super-types: [com:VersionedReference](#) < **_OrganisationVersionedReference** (by extension)
Sub-types: None

Name **_OrganisationVersionedReference**
Abstract no

XML Instance Representation

```
<...  
  targetClass="fac:Organisation [1]">  
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be  
    missing. -->  
</...>
```

Schema Component Representation

```
<xs:complexType name="_OrganisationVersionedReference">  
  <xs:complexContent>  
    <xs:extension base="com:VersionedReference">  
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:Organisation"/>  
    </xs:extension>  
  </xs:complexContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_PaymentBrandsEnum**

Super-types:	xs:string < PaymentBrandsEnum (by restriction) < _PaymentBrandsEnum (by extension)
Sub-types:	None

Name	_PaymentBrandsEnum
Abstract	no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    fac:PaymentBrandsEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_PaymentBrandsEnum">  
  <xs:simpleContent>  
    <xs:extension base="fac:PaymentBrandsEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_PaymentTimingEnum**

Super-types:	xs:string < PaymentTimingEnum (by restriction) < _PaymentTimingEnum (by extension)
Sub-types:	None

Name	_PaymentTimingEnum
Abstract	no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    fac:PaymentTimingEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_PaymentTimingEnum">  
  <xs:simpleContent>  
    <xs:extension base="fac:PaymentTimingEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_RateAvailabilityTypeEnum**

Super-types:	xs:string < RateAvailabilityTypeEnum (by restriction) < _RateAvailabilityTypeEnum (by extension)
Sub-types:	None

Name	_RateAvailabilityTypeEnum
Abstract	no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    fac:RateAvailabilityTypeEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateAvailabilityTypeEnum">  
  <xs:simpleContent>
```

```
<xs:extension base="fac:RateAvailabilityTypeEnum">
  <xs:attribute name="_extendedValue" type="xs:string"/>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_RateLineTypeEnum**

Super-types: [xs:string](#) < [RateLineTypeEnum](#) (by restriction) < **_RateLineTypeEnum** (by extension)
Sub-types: None

Name **_RateLineTypeEnum**
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  fac:RateLineTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateLineTypeEnum">
  <xs:simpleContent>
    <xs:extension base="fac:RateLineTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_RateMatrixVersionedReference**

Super-types: [com:VersionedReference](#) < **_RateMatrixVersionedReference** (by extension)
Sub-types: None

Name **_RateMatrixVersionedReference**
Abstract no

XML Instance Representation

```
<...
  targetClass="fac:RateMatrix [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateMatrixVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:RateMatrix"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_RateTableVersionedReference**

Super-types: [com:VersionedReference](#) < **_RateTableVersionedReference** (by extension)
Sub-types: None

Name **_RateTableVersionedReference**
Abstract no

XML Instance Representation

```
<...
  targetClass="fac:RateTable [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateTableVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:RateTable"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_RateTypeEnum**

Super-types: [xs:string](#) < [RateTypeEnum](#) (by restriction) < **_RateTypeEnum** (by extension)
Sub-types: None

Name **_RateTypeEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  fac:RateTypeEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="fac:RateTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_RateUsageConditionsTypeEnum**

Super-types: [xs:string](#) < [RateUsageConditionsTypeEnum](#) (by restriction) < **_RateUsageConditionsTypeEnum** (by extension)
Sub-types: None

Name **_RateUsageConditionsTypeEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  fac:RateUsageConditionsTypeEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_RateUsageConditionsTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="fac:RateUsageConditionsTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_RefundTypeEnum**

Super-types: [xs:string](#) < [RefundTypeEnum](#) (by restriction) < **_RefundTypeEnum** (by extension)
Sub-types: None

Name **_RefundTypeEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  fac:RefundTypeEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_RefundTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="fac:RefundTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_ReservationTypeEnum**

Super-types: [xs:string](#) < [ReservationTypeEnum](#) (by restriction) < **_ReservationTypeEnum** (by extension)
Sub-types: None

Name **_ReservationTypeEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    fac:ReservationTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ReservationTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="fac:ReservationTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_RightTypeEnum**

Super-types: [xs:string](#) < [RightTypeEnum](#) (by restriction) < **_RightTypeEnum** (by extension)
Sub-types: None

Name **_RightTypeEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    fac:RightTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_RightTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="fac:RightTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_ServiceFacilityTypeEnum**

Super-types: [xs:string](#) < [ServiceFacilityTypeEnum](#) (by restriction) < **_ServiceFacilityTypeEnum** (by extension)
Sub-types: None

Name **_ServiceFacilityTypeEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    fac:ServiceFacilityTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ServiceFacilityTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="fac:ServiceFacilityTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_SurchargeTypeEnum**

Super-types: [xs:string](#) < [SurchargeTypeEnum](#) (by restriction) < **_SurchargeTypeEnum** (by extension)
Sub-types: None

Name **_SurchargeTypeEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    fac:SurchargeTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_SurchargeTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="fac:SurchargeTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```



```
</xs:extension>
</xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_UserTypeEnum**

Super-types: [xs:string](#) < [_UserTypeEnum](#) (by restriction) < [_UserTypeEnum](#) (by extension)

Sub-types: None

Name [_UserTypeEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  fac:_UserTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_UserTypeEnum">
  <xs:simpleContent>
    <xs:extension base="fac:_UserTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Simple Type: **AccessibilityEnum**

Super-types: [xs:string](#) < [AccessibilityEnum](#) (by restriction)

Sub-types:

- [_AccessibilityEnum](#) (by extension)

Name [AccessibilityEnum](#)

Content

- Base XSD Type: string

- *value* comes from list:
{barrierFreeAccessible|disabilityAccessible|wheelChairAccessible|disabilityFacilities|orientationSystemForBlindPeople|marking|none|unknown}

Documentation Information on accessibility and facilities for persons with disabilities.

Schema Component Representation

```
<xs:simpleType name="AccessibilityEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="barrierFreeAccessible"/>
    <xs:enumeration value="disabilityAccessible"/>
    <xs:enumeration value="wheelChairAccessible"/>
    <xs:enumeration value="disabilityFacilities"/>
    <xs:enumeration value="orientationSystemForBlindPeople"/>
    <xs:enumeration value="marking"/>
    <xs:enumeration value="none"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **AmountOfMoney**

Super-types: [com:Decimal](#) < [AmountOfMoney](#) (by restriction)

Sub-types: None

Name [AmountOfMoney](#)

Content

- 'Decimal' super type was not found in this schema. Its facets could not be printed out.

- *total no. of digits* = 8
- *no. of fraction digits* = 2

Documentation A monetary value expressed to two decimal places.

Schema Component Representation

```
<xs:simpleType name="AmountOfMoney">
  <xs:restriction base="com:Decimal">
    <xs:totalDigits value="8"/>
    <xs:fractionDigits value="2"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **AvailabilityEnum**

Super-types: [xs:string](#) < **AvailabilityEnum** (by restriction)

Sub-types:

- [_AvailabilityEnum](#) (by extension)

Name AvailabilityEnum

Content

- Base XSD Type: string
- *value* comes from list: {'available'|'notAvailable'|'unknown'|'_extended'}

Documentation An enumeration which states if something is available or not.

Schema Component Representation

```
<xs:simpleType name="AvailabilityEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="available"/>
    <xs:enumeration value="notAvailable"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **CredentialTypeEnum**

Super-types: [xs:string](#) < **CredentialTypeEnum** (by restriction)

Sub-types:

- [_CredentialTypeEnum](#) (by extension)

Name CredentialTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'hangtag'|'permit'|'licensePlate'|'ticket'|'eticket'|'barcode'|'bluetooth'|'rfid'|'qrCode'|'other'|'_extended'}

Documentation A list of the supported credential types available for reference.

Schema Component Representation

```
<xs:simpleType name="CredentialTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="hangtag"/>
    <xs:enumeration value="permit"/>
    <xs:enumeration value="licensePlate"/>
    <xs:enumeration value="ticket"/>
    <xs:enumeration value="eticket"/>
    <xs:enumeration value="barcode"/>
    <xs:enumeration value="bluetooth"/>
    <xs:enumeration value="rfid"/>
    <xs:enumeration value="qrCode"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **CurrencyCode**

Super-types: [com:String](#) < **CurrencyCode** (by restriction)

Sub-types: None

Name CurrencyCode

Content

- 'String' super type was not found in this schema. Its facets could not be printed out.
- *pattern* = [A-Z][A-Z][A-Z]

Documentation Three letter code defining the currency according to ISO 4217:2015 (e.g. EUR for Euro).

Schema Component Representation

```
<xs:simpleType name="CurrencyCode">
  <xs:restriction base="com:String">
    <xs:pattern value="[A-Z] [A-Z] [A-Z]" />
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **Duration**

Super-types: [xs:duration](#) < **Duration** (by restriction)

Sub-types: None

Name Duration

Content

- Base XSD Type: duration

Documentation A duration of time, which may consist of years, months, days, hours, minutes, and seconds components, as

Schema Component Representation

```
<xs:simpleType name="Duration">
  <xs:restriction base="xs:duration"/>
</xs:simpleType>
```

[top](#)Simple Type: **EnergySourceEnum**

Super-types: [xs:string](#) < **EnergySourceEnum** (by restriction)

Sub-types:

- [_EnergySourceEnum](#) (by extension)

Name EnergySourceEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'all','battery','biodiesel','diesel','dieselBatteryHybrid','ethanol','hydrogen','liquidGas','lpg','methane','petrol','petrol95Octane','petrol98Octane','petrolBatt

Documentation Type of fuel used by a vehicle.

Schema Component Representation

```
<xs:simpleType name="EnergySourceEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="all"/>
    <xs:enumeration value="battery"/>
    <xs:enumeration value="biodiesel"/>
    <xs:enumeration value="diesel"/>
    <xs:enumeration value="dieselBatteryHybrid"/>
    <xs:enumeration value="ethanol"/>
    <xs:enumeration value="hydrogen"/>
    <xs:enumeration value="liquidGas"/>
    <xs:enumeration value="lpg"/>
    <xs:enumeration value="methane"/>
    <xs:enumeration value="petrol"/>
    <xs:enumeration value="petrol95Octane"/>
    <xs:enumeration value="petrol98Octane"/>
    <xs:enumeration value="petrolBatteryHybrid"/>
    <xs:enumeration value="petrolLeaded"/>
    <xs:enumeration value="petrolUnleaded"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)Simple Type: **EquipmentTypeEnum**

Super-types: [xs:string](#) < **EquipmentTypeEnum** (by restriction)

Sub-types:

- [_EquipmentTypeEnum](#) (by extension)

Name EquipmentTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'bikeParking','cashMachine','copyMachineOrService','defibrillator','dsrcReceiver','dumpingStation','electricChargingStation','elevator','faxMachineOrS

Documentation Types of equipment.

Schema Component Representation

```
<xs:simpleType name="EquipmentTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="bikeParking"/>
    <xs:enumeration value="cashMachine"/>
    <xs:enumeration value="copyMachineOrService"/>
    <xs:enumeration value="defibrillator"/>
    <xs:enumeration value="dsrcReceiver"/>
    <xs:enumeration value="dumpingStation"/>
    <xs:enumeration value="electricChargingStation"/>
    <xs:enumeration value="elevator"/>
    <xs:enumeration value="faxMachineOrService"/>
    <xs:enumeration value="fireExtinguisher"/>
    <xs:enumeration value="fireHose"/>
    <xs:enumeration value="fireHydrant"/>
    <xs:enumeration value="firstAidEquipment"/>
    <xs:enumeration value="iceFreeScaffold"/>
    <xs:enumeration value="informationPoint"/>
    <xs:enumeration value="informationStele"/>
    <xs:enumeration value="internetTerminal"/>
    <xs:enumeration value="internetWireless"/>
    <xs:enumeration value="luggageLocker"/>
    <xs:enumeration value="paymentMachine"/>
    <xs:enumeration value="picnicFacilities"/>
    <xs:enumeration value="playground"/>
    <xs:enumeration value="publicCardPhone"/>
    <xs:enumeration value="publicCoinPhone"/>
    <xs:enumeration value="publicPhone"/>
    <xs:enumeration value="refuseBin"/>
  </xs:restriction>
</xs:simpleType>
```

```
<xs:enumeration value="safeDeposit"/>
<xs:enumeration value="shelter"/>
<xs:enumeration value="shower"/>
<xs:enumeration value="snowAndIceRemovalEquipment"/>
<xs:enumeration value="toilet"/>
<xs:enumeration value="tollTerminal"/>
<xs:enumeration value="tyreAirPressureEquipment"/>
<xs:enumeration value="waterBasin"/>
<xs:enumeration value="vendingMachine"/>
<xs:enumeration value="waterSupply"/>
<xs:enumeration value="wasteDisposal"/>
<xs:enumeration value="waterTap"/>
<xs:enumeration value="none"/>
<xs:enumeration value="unknown"/>
<xs:enumeration value="other"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: FacilityTypeEnum

Super-types: [xs:string](#) < **FacilityTypeEnum** (by restriction)

Sub-types:

- [_FacilityTypeEnum](#) (by extension)

Name FacilityTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{airport|carPark|carRentalStation|electricChargingStation|energyInfrastructureSite|lorryParkingSite|parkingSite|petrolStation|publicTransportD

Documentation Types of infrastructure

Schema Component Representation

```
<xs:simpleType name="FacilityTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="airport"/>
    <xs:enumeration value="carPark"/>
    <xs:enumeration value="carRentalStation"/>
    <xs:enumeration value="electricChargingStation"/>
    <xs:enumeration value="energyInfrastructureSite"/>
    <xs:enumeration value="lorryParkingSite"/>
    <xs:enumeration value="parkingSite"/>
    <xs:enumeration value="petrolStation"/>
    <xs:enumeration value="publicTransportDepot"/>
    <xs:enumeration value="publicTransportHub"/>
    <xs:enumeration value="shoppingCentre"/>
    <xs:enumeration value="trainStation"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: ImageFormatEnum

Super-types: [xs:string](#) < **ImageFormatEnum** (by restriction)

Sub-types:

- [_ImageFormatEnum](#) (by extension)

Name ImageFormatEnum

Content

- Base XSD Type: string
- *value* comes from list: {bmp|gif|jpeg|png|_extended}

Documentation Identifies an image format

Schema Component Representation

```
<xs:simpleType name="ImageFormatEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="bmp"/>
    <xs:enumeration value="gif"/>
    <xs:enumeration value="jpeg"/>
    <xs:enumeration value="png"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: MeansOfPaymentEnum

Super-types: [xs:string](#) < **MeansOfPaymentEnum** (by restriction)

Sub-types:

- [_MeansOfPaymentEnum](#) (by extension)

Name MeansOfPaymentEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'paymentCreditCard'|'cashBillsOnly'|'cashCoinsOnly'|'tollTag'|'mobileAccount'|'cashCoinsAndBills'|'prepay'|'paymentDebitCard'|'paymentValueCard'|'unknown'|'_extended'}

Documentation Means of payment

Schema Component Representation

```
<xs:simpleType name="MeansOfPaymentEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="paymentCreditCard"/>
    <xs:enumeration value="cashBillsOnly"/>
    <xs:enumeration value="cashCoinsOnly"/>
    <xs:enumeration value="tollTag"/>
    <xs:enumeration value="mobileAccount"/>
    <xs:enumeration value="cashCoinsAndBills"/>
    <xs:enumeration value="prepay"/>
    <xs:enumeration value="paymentDebitCard"/>
    <xs:enumeration value="paymentValueCard"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **OperationStatusEnum**

Super-types: [xs:string](#) < **OperationStatusEnum** (by restriction)

Sub-types:

- [_OperationStatusEnum](#) (by extension)

Name OperationStatusEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'inOperation'|'limitedOperation'|'notInOperation'|'notInOperationAbnormal'|'technicalDefect'|'unknown'|'_extended'}

Documentation Specifies whether some scenario or equipment is in operation or not.

Schema Component Representation

```
<xs:simpleType name="OperationStatusEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="inOperation"/>
    <xs:enumeration value="limitedOperation"/>
    <xs:enumeration value="notInOperation"/>
    <xs:enumeration value="notInOperationAbnormal"/>
    <xs:enumeration value="technicalDefect"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **OrganisationTypeEnum**

Super-types: [xs:string](#) < **OrganisationTypeEnum** (by restriction)

Sub-types:

- [_OrganisationTypeEnum](#) (by extension)

Name OrganisationTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'publicSector'|'privateSector'|'_extended'}

Documentation Type of organisation.

Schema Component Representation

```
<xs:simpleType name="OrganisationTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="publicSector"/>
    <xs:enumeration value="privateSector"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **PaymentBrandsEnum**

Super-types: [xs:string](#) < **PaymentBrandsEnum** (by restriction)

Sub-types:

- [_PaymentBrandsEnum](#) (by extension)

Name PaymentBrandsEnum

Content

- Base XSD Type: string

- *value* comes from list:
{americanExpress|applePay|cirrus|dinersClub|discoverCard|giroCard|maestro|masterCard|visa|vpay|other|'_extended'}

Documentation Brands for payment cards

Schema Component Representation

```
<xs:simpleType name="PaymentBrandsEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="americanExpress"/>
    <xs:enumeration value="applePay"/>
    <xs:enumeration value="cirrus"/>
    <xs:enumeration value="dinersClub"/>
    <xs:enumeration value="discoverCard"/>
    <xs:enumeration value="giroCard"/>
    <xs:enumeration value="maestro"/>
    <xs:enumeration value="masterCard"/>
    <xs:enumeration value="visa"/>
    <xs:enumeration value="vpay"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **PaymentTimingEnum**

Super-types: [xs:string](#) < **PaymentTimingEnum** (by restriction)

Sub-types:

- [_PaymentTimingEnum](#) (by extension)

Name PaymentTimingEnum

Content

- Base XSD Type: string
- *value* comes from list:
{prepay|payOnEntry|payPriorToExit|payAfterExit|payAndExit|other|'_extended'}

Documentation Details of when payment is required.

Schema Component Representation

```
<xs:simpleType name="PaymentTimingEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="prepay"/>
    <xs:enumeration value="payOnEntry"/>
    <xs:enumeration value="payPriorToExit"/>
    <xs:enumeration value="payAfterExit"/>
    <xs:enumeration value="payAndExit"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **RateAvailabilityTypeEnum**

Super-types: [xs:string](#) < **RateAvailabilityTypeEnum** (by restriction)

Sub-types:

- [_RateAvailabilityTypeEnum](#) (by extension)

Name RateAvailabilityTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {private|public|restricted|'_extended'}

Documentation A list of rate availability types.

Schema Component Representation

```
<xs:simpleType name="RateAvailabilityTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="private"/>
    <xs:enumeration value="public"/>
    <xs:enumeration value="restricted"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **RateLineTypeEnum**

Super-types: [xs:string](#) < **RateLineTypeEnum** (by restriction)

Sub-types:

- [_RateLineTypeEnum](#) (by extension)

Name RateLineTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {flatRate|incrementingRate|flatRateTier|perUnit|'_extended'}

DocumentationA list of rate line types.

Schema Component Representation

```
<xs:simpleType name="RateLineTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="flatRate"/>
    <xs:enumeration value="incrementingRate"/>
    <xs:enumeration value="flatRateTier"/>
    <xs:enumeration value="perUnit"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: RateTypeEnum

Super-types:[xs:string](#) < **RateTypeEnum** (by restriction)

Sub-types:

- [_RateTypeEnum](#) (by extension)

NameRateTypeEnum

Content

- Base XSD Type: string
- value comes from list: {'contract'|'daily'|'event'|'hourly'|'_extended'}

DocumentationA list of supported rate types.

Schema Component Representation

```
<xs:simpleType name="RateTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="contract"/>
    <xs:enumeration value="daily"/>
    <xs:enumeration value="event"/>
    <xs:enumeration value="hourly"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: RateUsageConditionsTypeEnum

Super-types:[xs:string](#) < **RateUsageConditionsTypeEnum** (by restriction)

Sub-types:

- [_RateUsageConditionsTypeEnum](#) (by extension)

NameRateUsageConditionsTypeEnum

Content

- Base XSD Type: string
- value comes from list: {'fixedDuration'|'fixedNumber'|'once'|'unlimited'|'_extended'}

DocumentationA list of supported rate usage condition types.

Schema Component Representation

```
<xs:simpleType name="RateUsageConditionsTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="fixedDuration"/>
    <xs:enumeration value="fixedNumber"/>
    <xs:enumeration value="once"/>
    <xs:enumeration value="unlimited"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: RefundTypeEnum

Super-types:[xs:string](#) < **RefundTypeEnum** (by restriction)

Sub-types:

- [_RefundTypeEnum](#) (by extension)

NameRefundTypeEnum

Content

- Base XSD Type: string
- value comes from list: {'surchargeNonRefundable'|'surchargePartiallyRefundable'|'surchargeFullyRefundable'|'_extended'}

DocumentationA list of available refund categories.

Schema Component Representation

```
<xs:simpleType name="RefundTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="surchargeNonRefundable"/>
    <xs:enumeration value="surchargePartiallyRefundable"/>
    <xs:enumeration value="surchargeFullyRefundable"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

2p

2p

```
<xsd:simpleType name="ServiceFacilityTypeEnum">
  <xsd:restriction base="xs:string">
    <xsd:enumeration value="bikeGarage"/>
    <xsd:enumeration value="bikeSharing"/>
    <xsd:enumeration value="cafe"/>
    <xsd:enumeration value="carWash"/>
    <xsd:enumeration value="docstop"/>
    <xsd:enumeration value="foodShopping"/>
    <xsd:enumeration value="hotel"/>
  </xsd:restriction>
</xsd:simpleType>
```



```
<xs:enumeration value="kiosk"/>
<xs:enumeration value="laundry"/>
<xs:enumeration value="leisureActivities"/>
<xs:enumeration value="medicalFacility"/>
<xs:enumeration value="motel"/>
<xs:enumeration value="motorcycleGarage"/>
<xs:enumeration value="motorwayRestaurant"/>
<xs:enumeration value="motorwayRestaurantSmall"/>
<xs:enumeration value="overnightAccommodation"/>
<xs:enumeration value="petrolStation"/>
<xs:enumeration value="pharmacy"/>
<xs:enumeration value="payDesk"/>
<xs:enumeration value="police"/>
<xs:enumeration value="restaurant"/>
<xs:enumeration value="restaurantSelfService"/>
<xs:enumeration value="shop"/>
<xs:enumeration value="snackBar"/>
<xs:enumeration value="sparePartsShopping"/>
<xs:enumeration value="touristInformation"/>
<xs:enumeration value="truckRepair"/>
<xs:enumeration value="truckWash"/>
<xs:enumeration value="tyreRepair"/>
<xs:enumeration value="vehicleMaintenance"/>
<xs:enumeration value="unknown"/>
<xs:enumeration value="other"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **SquareMetres**

Super-types: [com:NonNegativeInteger](#) < **SquareMetres** (by restriction)

Sub-types: None

Name SquareMetres

Content

- 'NonNegativeInteger' super type was not found in this schema. Its facets could not be printed out.

Documentation A value of area expressed in units of square metres.

Schema Component Representation

```
<xs:simpleType name="SquareMetres">
  <xs:restriction base="com:NonNegativeInteger"/>
</xs:simpleType>
```

[top](#)

Simple Type: **SurchargeTypeEnum**

Super-types: [xs:string](#) < **SurchargeTypeEnum** (by restriction)

Sub-types:

- [_SurchargeTypeEnum](#) (by extension)

Name SurchargeTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'reservation'|'mobilePayment'|'deposit'|'membershipFee'|'_extended'}

Documentation Types of surcharge that can be applied.

Schema Component Representation

```
<xs:simpleType name="SurchargeTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="reservation"/>
    <xs:enumeration value="mobilePayment"/>
    <xs:enumeration value="deposit"/>
    <xs:enumeration value="membershipFee"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **TimeZone**

Super-types: [com:String](#) < **TimeZone** (by restriction)

Sub-types: None

Name TimeZone

Content

- 'String' super type was not found in this schema. Its facets could not be printed out.
- *pattern* = [-+][0-9][0-9]:[0-9][0-9]Z

Documentation Identifies a time zone by specifying the difference to UTC in hours and minutes, as defined in ISO 8601.

Schema Component Representation

```
<xs:simpleType name="TimeZone">
```

```
<xs:restriction base="com:String">
  <xs:pattern value="[-+][0-9][0-9]:[0-9][0-9]|z"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **UserTypeEnum**

Super-types: [xs:string](#) < **UserTypeEnum** (by restriction)

Sub-types:

- [_UserTypeEnum](#) (by extension)

Name UserTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{allUsers|commuters|customers|elderlyUsers|employees|families|personsWithDisabilities|hearingImpaired|hotelGuests|longTermParkers|me

Documentation Types of different users, for example used in the context of parking.

Schema Component Representation

```
<xs:simpleType name="UserTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="allUsers"/>
    <xs:enumeration value="commuters"/>
    <xs:enumeration value="customers"/>
    <xs:enumeration value="elderlyUsers"/>
    <xs:enumeration value="employees"/>
    <xs:enumeration value="families"/>
    <xs:enumeration value="personsWithDisabilities"/>
    <xs:enumeration value="hearingImpaired"/>
    <xs:enumeration value="hotelGuests"/>
    <xs:enumeration value="longTermParkers"/>
    <xs:enumeration value="members"/>
    <xs:enumeration value="men"/>
    <xs:enumeration value="overnightParkers"/>
    <xs:enumeration value="parkAndCycleUser"/>
    <xs:enumeration value="parkAndRideUsers"/>
    <xs:enumeration value="parkAndWalkUser"/>
    <xs:enumeration value="pensioners"/>
    <xs:enumeration value="pregnantWomen"/>
    <xs:enumeration value="registeredDisabledUsers"/>
    <xs:enumeration value="reservationHolders"/>
    <xs:enumeration value="residents"/>
    <xs:enumeration value="seasonTicketHolders"/>
    <xs:enumeration value="shoppers"/>
    <xs:enumeration value="shortTermParkers"/>
    <xs:enumeration value="sportEventAwaySupporters"/>
    <xs:enumeration value="sportEventHomeSupporters"/>
    <xs:enumeration value="students"/>
    <xs:enumeration value="staff"/>
    <xs:enumeration value="subscribers"/>
    <xs:enumeration value="visitors"/>
    <xs:enumeration value="visuallyImpaired"/>
    <xs:enumeration value="wheelchairUsers"/>
    <xs:enumeration value="women"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

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DATEXII_3_LocationExtension

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Schema Document Properties

Target Namespace	http://datex2.eu/schema/3/locationExtension
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.
Schema Composition	• This schema imports schema(s) from the following namespace(s): ◦ http://datex2.eu/schema/3/common (at DATEXII_3_Common.xsd) ◦ http://datex2.eu/schema/3/facilities (at DATEXII_3_Facilities.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
com	http://datex2.eu/schema/3/common
fac	http://datex2.eu/schema/3/facilities
locx	http://datex2.eu/schema/3/locationExtension

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/locationExtension">
  <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/facilities"
schemaLocation="DATEXII_3_Facilities.xsd"/>
  ...
</xs:schema>
```

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Global Definitions

Complex Type: Address

Super-types:	None
Sub-types:	None

Name	Address
Abstract	no
Documentation	A street oriented addressing structure supporting delivery

XML Instance Representation

```
<...>
  <locx:postcode> com:String </locx:postcode> [0..1] ?
  <locx:city> com:MultilingualString </locx:city> [0..1] ?
  <locx:countryCode> com:CountryCode </locx:countryCode> [0..1] ?
  <locx:addressLine> locx:AddressLine </locx:addressLine> [0..*]
  <locx:_addressExtension> com:_ExtensionType </locx:_addressExtension> [0..1]
</...>
```

Schema Component Representation

```

<xs:complexType name="Address">
  <xs:sequence>
    <xs:element name="postcode" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="city" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="countryCode" type="com:CountryCode" minOccurs="0" maxOccurs="1"/>
    <xs:element name="addressLine" type="locx:AddressLine" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_addressExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: AddressLine

Super-types: None
Sub-types: None

Name AddressLine
Abstract no
Documentation A class defining information concerning one line of a postal address.

XML Instance Representation

```

<...
  order="com:NonNegativeInteger [1] ?">
    <locx:type> locx:_AddressLineTypeEnum </locx:type> [1] ?
    <locx:text> com:MultilingualString </locx:text> [1] ?
    <locx:_addressLineExtension> com:_ExtensionType </locx:_addressLineExtension> [0..1]
  </...>

```

Schema Component Representation

```

<xs:complexType name="AddressLine">
  <xs:sequence>
    <xs:element name="type" type="locx:_AddressLineTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="text" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_addressLineExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="order" type="com:NonNegativeInteger" use="required"/>
</xs:complexType>

```

[top](#)

Complex Type: FacilityLocation

Super-types: None
Sub-types: None

Name FacilityLocation
Abstract no
Documentation A location for which a time zone and an address can be specified

XML Instance Representation

```

<...>
  <locx:timeZone> fac:TimeZone </locx:timeZone> [0..1] ?
  <locx:address> locx:Address </locx:address> [0..1] ?
</...>

```

Schema Component Representation

```

<xs:complexType name="FacilityLocation">
  <xs:sequence>
    <xs:element name="timeZone" type="fac:TimeZone" minOccurs="0" maxOccurs="1"/>
    <xs:element name="address" type="locx:Address" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: NamedAreaExtended

Super-types: None
Sub-types: None

Name NamedAreaExtended
Abstract no

XML Instance Representation

```
<...>
  <locx:namedAreaCode> locx:NamedAreaCode </locx:namedAreaCode> [1] ?
</...>
```

Schema Component Representation

```
<xs:complexType name="NamedAreaExtended">
  <xs:sequence>
    <xs:element name="namedAreaCode" type="locx:NamedAreaCode" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)Complex Type: **SupplementaryPositionalDescriptionExtended**

Super-types: None
Sub-types: None

Name SupplementaryPositionalDescriptionExtended
Abstract no
Documentation Extension of class SupplementaryPositionalDescription.

XML Instance Representation

```
<...>
  <locx:houseNumberSide> locx:_HouseNumberSideEnum </locx:houseNumberSide> [0..1] ?
</...>
```

Schema Component Representation

```
<xs:complexType name="SupplementaryPositionalDescriptionExtended">
  <xs:sequence>
    <xs:element name="houseNumberSide" type="locx:_HouseNumberSideEnum" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)Complex Type: **_AddressLineTypeEnum**

Super-types: [xs:string](#) < [AddressLineTypeEnum](#) (by restriction) < [_AddressLineTypeEnum](#) (by extension)
Sub-types: None

Name _AddressLineTypeEnum
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  locx:AddressLineTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_AddressLineTypeEnum">
  <xs:simpleContent>
    <xs:extension base="locx:AddressLineTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)Complex Type: **_HouseNumberSideEnum**

Super-types: [xs:string](#) < [HouseNumberSideEnum](#) (by restriction) < [_HouseNumberSideEnum](#) (by extension)
Sub-types: None

Name _HouseNumberSideEnum
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  locx:HouseNumberSideEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_HouseNumberSideEnum">  
  <xs:simpleContent>  
    <xs:extension base="locx:HouseNumberSideEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Simple Type: AddressLineTypeEnum

Super-types: [xs:string](#) < AddressLineTypeEnum (by restriction)

Sub-types:

- [_AddressLineTypeEnum](#) (by extension)

Name AddressLineTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'apartment'|'building'|'poBox'|'unit'|'region'|'town'|'districtTerritory'|'floor'|'street'|'houseNumber'|'generalTextLine'|'_extended'}

Documentation A list of supported address line types.

Schema Component Representation

```
<xs:simpleType name="AddressLineTypeEnum">  
  <xs:restriction base="xs:string">  
    <xs:enumeration value="apartment"/>  
    <xs:enumeration value="building"/>  
    <xs:enumeration value="poBox"/>  
    <xs:enumeration value="unit"/>  
    <xs:enumeration value="region"/>  
    <xs:enumeration value="town"/>  
    <xs:enumeration value="districtTerritory"/>  
    <xs:enumeration value="floor"/>  
    <xs:enumeration value="street"/>  
    <xs:enumeration value="houseNumber"/>  
    <xs:enumeration value="generalTextLine"/>  
    <xs:enumeration value="_extended"/>  
  </xs:restriction>  
</xs:simpleType>
```

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Simple Type: HouseNumberSideEnum

Super-types: [xs:string](#) < HouseNumberSideEnum (by restriction)

Sub-types:

- [_HouseNumberSideEnum](#) (by extension)

Name HouseNumberSideEnum

Content

- Base XSD Type: string
- *value* comes from list: {'odd'|'even'|'_extended'}

Documentation Specifies the side of the house number (even, odd).

Schema Component Representation

```
<xs:simpleType name="HouseNumberSideEnum">  
  <xs:restriction base="xs:string">  
    <xs:enumeration value="odd"/>  
    <xs:enumeration value="even"/>  
    <xs:enumeration value="_extended"/>  
  </xs:restriction>  
</xs:simpleType>
```

[top](#)

Simple Type: NamedAreaCode

Super-types: [com:String](#) < NamedAreaCode (by restriction)

Sub-types:	None
------------	------

Name	NamedAreaCode
Content	• 'String' super type was not found in this schema. Its facets could not be printed out. • <i>length</i> <= 8
Documentation	Type for a short numeric or alphanumeric code identifying an area.

Schema Component Representation

```
<xs:simpleType name="NamedAreaCode">  
  <xs:restriction base="com:String">  
    <xs:maxLength value="8"/>  
  </xs:restriction>  
</xs:simpleType>
```

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DATEXII_3_LocationReferencing

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- Complex Type: [CarriagewayEnum](#)
- Complex Type: [DirectionEnum](#)
- Complex Type: [DirectionPurposeEnum](#)
- Complex Type: [GeographicCharacteristicEnum](#)
- Complex Type: [HeightGradeEnum](#)
- Complex Type: [HeightTypeEnum](#)
- Complex Type: [InfrastructureDescriptorEnum](#)
- Complex Type: [IntermediatePointOnLinearElement](#)
- Complex Type: [LaneEnum](#)
- Complex Type: [LinearDirectionEnum](#)
- Complex Type: [LinearElementNatureEnum](#)
- Complex Type: [LocationContainedInItinerary](#)
- Complex Type: [LocationReferenceExtensionType](#)
- Complex Type: [NamedAreaExtensionType](#)
- Complex Type: [NamedAreaTypeEnum](#)
- Complex Type: [NutsCodeTypeEnum](#)
- Complex Type: [OpenIrFormOfWayEnum](#)
- Complex Type: [OpenIrFunctionalRoadClassEnum](#)
- Complex Type: [OpenIrOrientationEnum](#)
- Complex Type: [OpenIrSideOfRoadEnum](#)
- Complex Type: [PositionConfidenceCodedErrorEnum](#)
- Complex Type: [PredefinedItineraryVersionedReference](#)
- Complex Type: [PredefinedLocationGroupVersionedReference](#)
- Complex Type: [PredefinedLocationVersionedReference](#)
- Complex Type: [ReferentTypeEnum](#)
- Complex Type: [RelativePositionOnCarriagewayEnum](#)
- Complex Type: [SubdivisionTypeEnum](#)
- Complex Type: [SupplementaryPositionalDescriptionExtensionType](#)
- Complex Type: [TpegLoc01AreaLocationSubtypeEnum](#)
- Complex Type: [TpegLoc01FramedPointLocationSubtypeEnum](#)
- Complex Type: [TpegLoc01LinearLocationSubtypeEnum](#)
- Complex Type: [TpegLoc01SimplePointLocationSubtypeEnum](#)
- Complex Type: [TpegLoc03AreaDescriptorSubtypeEnum](#)
- Complex Type: [TpegLoc03IlcPointDescriptorSubtypeEnum](#)
- Complex Type: [TpegLoc03JunctionPointDescriptorSubtypeEnum](#)
- Complex Type: [TpegLoc03OtherPointDescriptorSubtypeEnum](#)
- Complex Type: [TpegLoc04HeightTypeEnum](#)
- Simple Type: [AlertCDirectionEnum](#)
- Simple Type: [AlertCLocationCode](#)
- Simple Type: [AltitudeAccuracyEnum](#)
- Simple Type: [AreaPlacesEnum](#)
- Simple Type: [CarriagewayEnum](#)
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- Simple Type: [DirectionPurposeEnum](#)
- Simple Type: [GeographicCharacteristicEnum](#)
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- Simple Type: [OpenIrFormOfWayEnum](#)
- Simple Type: [OpenIrFunctionalRoadClassEnum](#)
- Simple Type: [OpenIrOrientationEnum](#)
- Simple Type: [OpenIrSideOfRoadEnum](#)
- Simple Type: [PositionConfidenceCodedErrorEnum](#)
- Simple Type: [ReferentTypeEnum](#)
- Simple Type: [RelativePositionOnCarriagewayEnum](#)
- Simple Type: [SubdivisionCode](#)
- Simple Type: [SubdivisionTypeEnum](#)
- Simple Type: [TpegLoc01AreaLocationSubtypeEnum](#)
- Simple Type: [TpegLoc01FramedPointLocationSubtypeEnum](#)
- Simple Type: [TpegLoc01LinearLocationSubtypeEnum](#)
- Simple Type: [TpegLoc01SimplePointLocationSubtypeEnum](#)
- Simple Type: [TpegLoc03AreaDescriptorSubtypeEnum](#)
- Simple Type: [TpegLoc03IlcPointDescriptorSubtypeEnum](#)
- Simple Type: [TpegLoc03JunctionPointDescriptorSubtypeEnum](#)
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Schema Document Properties

Target Namespace <http://datex2.eu/schema/3/locationReferencing>

Version 3.3

Element and Attribute Namespaces

- Global element and attribute declarations belong to this schema's target namespace.
- By default, local element declarations belong to this schema's target namespace.
- By default, local attribute declarations have no namespace.

Schema Composition

- This schema imports schema(s) from the following namespace(s):
 - <http://datex2.eu/schema/3/common> (at DATEXII_3_Common.xsd)
 - <http://datex2.eu/schema/3/locationExtension> (at DATEXII_3_LocationExtension.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace

xs http://www.w3.org/2001/XMLSchema
com http://datex2.eu/schema/3/common
locx http://datex2.eu/schema/3/locationExtension
loc <http://datex2.eu/schema/3/locationReferencing>

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/locationReferencing">
  <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/locationExtension"
    schemaLocation="DATEXII_3_LocationExtension.xsd"/>
  ...
</xs:schema>
```

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Global Definitions

Complex Type: **AlertCArea**

Super-types:	None
Sub-types:	None

Name	AlertCArea
<u>Abstract</u>	no
Documentation	An area defined by reference to a predefined ALERT-C location table.

XML Instance Representation

```
<...>
  <loc:alertCLocationCountryCode> com:String </loc:alertCLocationCountryCode> [1] ?
  <loc:alertCLocationTableNumber> com:String </loc:alertCLocationTableNumber> [1] ?
  <loc:alertCLocationTableVersion> com:String </loc:alertCLocationTableVersion> [1] ?
  <loc:areaLocation> loc:AlertCLocation </loc:areaLocation> [1] ?
  <loc:_alertCAreaExtension> com:_ExtensionType </loc:_alertCAreaExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCArea">
  <xs:sequence>
    <xs:element name="alertCLocationCountryCode" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="alertCLocationTableNumber" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="alertCLocationTableVersion" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="areaLocation" type="loc:AlertCLocation"/>
    <xs:element name="_alertCAreaExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **AlertCDirection**

Super-types:	None
Sub-types:	None

Name	AlertCDirection
<u>Abstract</u>	no
Documentation	The direction of traffic flow along the road to which the information relates.

XML Instance Representation

```
<...>
  <loc:alertCDirectionCoded> loc:AlertCDirectionEnum </loc:alertCDirectionCoded> [1] ?
  <loc:alertCDirectionNamed> com:MultilingualString </loc:alertCDirectionNamed> [0..1] ?
  <loc:alertCAffectedDirection> loc:_LinearDirectionEnum </loc:alertCAffectedDirection> [1] ?
  <loc:_alertCDirectionExtension> com:_ExtensionType </loc:_alertCDirectionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCDirection">
  <xs:sequence>
    <xs:element name="alertCDirectionCoded" type="loc:AlertCDirectionEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="alertCDirectionNamed" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="alertCAffectedDirection" type="loc:_LinearDirectionEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_alertCDirectionExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **AlertCLinear**

Super-types:	None
Sub-types:	AlertCLinearByCode (by extension) AlertCMethod2Linear (by extension) AlertCMethod4Linear (by extension)

Name	AlertCLinear
<u>Abstract</u>	yes
Documentation	A linear section along a road defined between two points on the road by reference to a pre-defined ALERT-C location table.

XML Instance Representation

```
<...>
  <loc:alertCLocationCountryCode> com:String </loc:alertCLocationCountryCode> [1] ?
  <loc:alertCLocationTableNumber> com:String </loc:alertCLocationTableNumber> [1] ?
  <loc:alertCLocationTableVersion> com:String </loc:alertCLocationTableVersion> [1] ?
  <loc:_alertCLinearExtension> com:_ExtensionType </loc:_alertCLinearExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCLinear" abstract="true">
  <xs:sequence>
    <xs:element name="alertCLocationCountryCode" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="alertCLocationTableNumber" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="alertCLocationTableVersion" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_alertCLinearExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: AlertCLinearByCode

Super-types: [AlertCLinear](#) < AlertCLinearByCode (by extension)

Sub-types: None

Name	AlertCLinearByCode
<u>Abstract</u>	no
Documentation	A linear section along a road defined by reference to a linear section in a pre-defined ALERT-C location table.

XML Instance Representation

```
<...>
  <loc:alertCLocationCountryCode> com:String </loc:alertCLocationCountryCode> [1] ?
  <loc:alertCLocationTableNumber> com:String </loc:alertCLocationTableNumber> [1] ?
  <loc:alertCLocationTableVersion> com:String </loc:alertCLocationTableVersion> [1] ?
  <loc:_alertCLinearExtension> com:_ExtensionType </loc:_alertCLinearExtension> [0..1]
  <loc:alertCDirection> loc:AlertCDirection </loc:alertCDirection> [1]
  <loc:locationCodeForLinearLocation> loc:AlertCLocation </loc:locationCodeForLinearLocation> [1] ?
  <loc:_alertCLinearByCodeExtension> com:_ExtensionType </loc:_alertCLinearByCodeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCLinearByCode">
  <xs:complexContent>
    <xs:extension base="loc:AlertCLinear">
      <xs:sequence>
        <xs:element name="alertCDirection" type="loc:AlertCDirection"/>
        <xs:element name="locationCodeForLinearLocation" type="loc:AlertCLocation"/>
        <xs:element name="_alertCLinearByCodeExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: AlertCLocation

Super-types: None

Sub-types: None

Name	AlertCLocation
<u>Abstract</u>	no
Documentation	Identification of a specific point, linear or area location in an ALERT-C location table.

XML Instance Representation

```
<...>
  <loc:alertCLocationName> com:MultilingualString </loc:alertCLocationName> [0..1] ?
  <loc:specificLocation> loc:AlertCLocationCode </loc:specificLocation> [1] ?
  <loc:_alertCLocationExtension> com:_ExtensionType </loc:_alertCLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCLocation">
  <xs:sequence>
    <xs:element name="alertCLocationName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="specificLocation" type="loc:AlertCLocationCode" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_alertCLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: AlertCMethod2Linear

Super-types:	AlertCLinear < AlertCMethod2Linear (by extension)
Sub-types:	None

Name	AlertCMethod2Linear
Abstract	no
Documentation	A linear section along a road between two points, primary and secondary, which are pre-defined in an ALERT-C location table. Direction is FROM the secondary point TO the primary point, i.e. the primary point is downstream of the secondary point.

XML Instance Representation

```
<...>
  <loc:alertCLocationCountryCode> com:String </loc:alertCLocationCountryCode> [1] ?
  <loc:alertCLocationTableNumber> com:String </loc:alertCLocationTableNumber> [1] ?
  <loc:alertCLocationTableVersion> com:String </loc:alertCLocationTableVersion> [1] ?
  <loc:_alertCLinearExtension> com:_ExtensionType </loc:_alertCLinearExtension> [0..1]
  <loc:alertCDirection> loc:AlertCDirection </loc:alertCDirection> [1]
  <loc:alertCMethod2PrimaryPointLocation> loc:AlertCMethod2PrimaryPointLocation
</loc:alertCMethod2PrimaryPointLocation> [1]
  <loc:alertCMethod2SecondaryPointLocation> loc:AlertCMethod2SecondaryPointLocation
</loc:alertCMethod2SecondaryPointLocation> [1]
  <loc:_alertCMethod2LinearExtension> com:_ExtensionType </loc:_alertCMethod2LinearExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCMethod2Linear">
  <xs:complexContent>
    <xs:extension base="loc:AlertCLinear">
      <xs:sequence>
        <xs:element name="alertCDirection" type="loc:AlertCDirection"/>
        <xs:element name="alertCMethod2PrimaryPointLocation" type="loc:AlertCMethod2PrimaryPointLocation"/>
        <xs:element name="alertCMethod2SecondaryPointLocation" type="loc:AlertCMethod2SecondaryPointLocation"/>
        <xs:element name="_alertCMethod2LinearExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: AlertCMethod2Point

Super-types:	AlertCPoint < AlertCMethod2Point (by extension)
Sub-types:	None

Name	AlertCMethod2Point
Abstract	no
Documentation	A single point on the road network defined by reference to a point in a pre-defined ALERT-C location table and which has an associated direction of traffic flow.

XML Instance Representation

```
<...>
  <loc:alertCLocationCountryCode> com:String </loc:alertCLocationCountryCode> [1] ?
  <loc:alertCLocationTableNumber> com:String </loc:alertCLocationTableNumber> [1] ?
  <loc:alertCLocationTableVersion> com:String </loc:alertCLocationTableVersion> [1] ?
  <loc:_alertCPointExtension> com:_ExtensionType </loc:_alertCPointExtension> [0..1]
  <loc:alertCDirection> loc:AlertCDirection </loc:alertCDirection> [1]
  <loc:alertCMethod2PrimaryPointLocation> loc:AlertCMethod2PrimaryPointLocation
</loc:alertCMethod2PrimaryPointLocation> [1]
  <loc:_alertCMethod2PointExtension> com:_ExtensionType </loc:_alertCMethod2PointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCMethod2Point">
  <xs:complexContent>
    <xs:extension base="loc:AlertCPoint">
      <xs:sequence>
        <xs:element name="alertCDirection" type="loc:AlertCDirection"/>
        <xs:element name="alertCMethod2PrimaryPointLocation" type="loc:AlertCMethod2PrimaryPointLocation"/>
        <xs:element name="_alertCMethod2PointExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: AlertCMethod2PrimaryPointLocation

Super-types:	None
Sub-types:	None

Name	AlertCMethod2PrimaryPointLocation
Abstract	no
Documentation	The point (called Primary point) which is either a single point or at the downstream end of a linear road section. The point is specified by a reference to a point in a pre-defined ALERT-C location table.

XML Instance Representation

```
<...>
  <loc:alertCLocation> loc:AlertCLocation </loc:alertCLocation> [1]
  <loc:_alertCMethod2PrimaryPointLocationExtension> com:_ExtensionType
</loc:_alertCMethod2PrimaryPointLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCMethod2PrimaryPointLocation">
  <xs:sequence>
    <xs:element name="alertCLocation" type="loc:AlertCLocation"/>
    <xs:element name="_alertCMethod2PrimaryPointLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: AlertCMethod2SecondaryPointLocation

Super-types: None
Sub-types: None

Name AlertCMethod2SecondaryPointLocation
Abstract no
Documentation The point (called Secondary point) which is at the upstream end of a linear road section. The point is specified by a reference to a point in a pre-defined ALERT-C location table.

XML Instance Representation

```
<...>
  <loc:alertCLocation> loc:AlertCLocation </loc:alertCLocation> [1]
  <loc:_alertCMethod2SecondaryPointLocationExtension> com:_ExtensionType
</loc:_alertCMethod2SecondaryPointLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCMethod2SecondaryPointLocation">
  <xs:sequence>
    <xs:element name="alertCLocation" type="loc:AlertCLocation"/>
    <xs:element name="_alertCMethod2SecondaryPointLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: AlertCMethod4Linear

Super-types: [AlertCLinear](#) < AlertCMethod4Linear (by extension)
Sub-types: None

Name AlertCMethod4Linear
Abstract no
Documentation A linear section along a road between two points, primary and secondary, which are pre-defined ALERT-C locations plus offset distance. Direction is FROM the secondary point TO the primary point, i.e. the primary point is downstream of the secondary point.

XML Instance Representation

```
<...>
  <loc:alertCLocationCountryCode> com:String </loc:alertCLocationCountryCode> [1] ?
  <loc:alertCLocationTableNumber> com:String </loc:alertCLocationTableNumber> [1] ?
  <loc:alertCLocationTableVersion> com:String </loc:alertCLocationTableVersion> [1] ?
  <loc:_alertCLinearExtension> com:_ExtensionType </loc:_alertCLinearExtension> [0..1]
  <loc:alertCDirection> loc:AlertCDirection </loc:alertCDirection> [1]
  <loc:alertCMethod4PrimaryPointLocation> loc:AlertCMethod4PrimaryPointLocation
</loc:alertCMethod4PrimaryPointLocation> [1]
  <loc:alertCMethod4SecondaryPointLocation> loc:AlertCMethod4SecondaryPointLocation
</loc:alertCMethod4SecondaryPointLocation> [1]
  <loc:_alertCMethod4LinearExtension> com:_ExtensionType </loc:_alertCMethod4LinearExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCMethod4Linear">
  <xs:complexContent>
    <xs:extension base="loc:AlertCLinear">
      <xs:sequence>
        <xs:element name="alertCDirection" type="loc:AlertCDirection"/>
        <xs:element name="alertCMethod4PrimaryPointLocation" type="loc:AlertCMethod4PrimaryPointLocation"/>
        <xs:element name="alertCMethod4SecondaryPointLocation" type="loc:AlertCMethod4SecondaryPointLocation"/>
        <xs:element name="_alertCMethod4LinearExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: AlertCMethod4Point

Super-types: [AlertCPoint](#) < AlertCMethod4Point (by extension)

Sub-types:	None
------------	------

Name	AlertCMethod4Point
<u>Abstract</u>	no
Documentation	A single point on the road network defined by reference to a point in a pre-defined ALERT-C location table plus an offset distance and which has an associated direction of traffic flow.

XML Instance Representation

```
<...>
  <loc:alertCLocationCountryCode> com:String </loc:alertCLocationCountryCode> [1] ?
  <loc:alertCLocationTableNumber> com:String </loc:alertCLocationTableNumber> [1] ?
  <loc:alertCLocationTableVersion> com:String </loc:alertCLocationTableVersion> [1] ?
  <loc:alertCPointExtension> com:ExtensionType </loc: alertCPointExtension> [0..1]
  <loc:alertCDirection> loc:AlertCDirection </loc:alertCDirection> [1]
  <loc:alertCMethod4PrimaryPointLocation> loc:AlertCMethod4PrimaryPointLocation
</loc:alertCMethod4PrimaryPointLocation> [1]
  <loc:_alertCMethod4PointExtension> com:_ExtensionType </loc:_alertCMethod4PointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCMethod4Point">
  <xs:complexContent>
    <xs:extension base="loc:AlertCPoint">
      <xs:sequence>
        <xs:element name="alertCDirection" type="loc:AlertCDirection"/>
        <xs:element name="alertCMethod4PrimaryPointLocation" type="loc:AlertCMethod4PrimaryPointLocation"/>
        <xs:element name="_alertCMethod4PointExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: AlertCMethod4PrimaryPointLocation

Super-types:	None
Sub-types:	None

Name	AlertCMethod4PrimaryPointLocation
<u>Abstract</u>	no
Documentation	The point (called Primary point) which is either a single point or at the downstream end of a linear road section. The point is specified by a reference to a point in a pre-defined ALERT-C location table plus a non-negative offset distance.

XML Instance Representation

```
<...>
  <loc:alertCLocation> loc:AlertCLocation </loc:alertCLocation> [1]
  <loc:offsetDistance> loc:OffsetDistance </loc:offsetDistance> [1]
  <loc: alertCMethod4PrimaryPointLocationExtension> com:_ExtensionType
</loc:_alertCMethod4PrimaryPointLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCMethod4PrimaryPointLocation">
  <xs:sequence>
    <xs:element name="alertCLocation" type="loc:AlertCLocation"/>
    <xs:element name="offsetDistance" type="loc:OffsetDistance"/>
    <xs:element name="_alertCMethod4PrimaryPointLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: AlertCMethod4SecondaryPointLocation

Super-types:	None
Sub-types:	None

Name	AlertCMethod4SecondaryPointLocation
<u>Abstract</u>	no
Documentation	The point (called Secondary point) which is at the upstream end of a linear road section. The point is specified by a reference to a point in a pre-defined Alert-C location table plus a non-negative offset distance.

XML Instance Representation

```
<...>
  <loc:alertCLocation> loc:AlertCLocation </loc:alertCLocation> [1]
  <loc:offsetDistance> loc:OffsetDistance </loc:offsetDistance> [1]
  <loc: alertCMethod4SecondaryPointLocationExtension> com:_ExtensionType
</loc:_alertCMethod4SecondaryPointLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCMethod4SecondaryPointLocation">
  <xs:sequence>
    <xs:element name="alertCLocation" type="loc:AlertCLocation"/>
    <xs:element name="offsetDistance" type="loc:OffsetDistance"/>
  </xs:sequence>
</xs:complexType>
```

```
<xs:element name="_alertCMethod4SecondaryPointLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
```

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Complex Type: AlertCPoint

Super-types: None

Sub-types:

- [AlertCMethod2Point](#) (by extension)
- [AlertCMethod4Point](#) (by extension)

Name AlertCPoint

Abstract yes

Documentation A single point on the road network defined by reference to a pre-defined ALERT-C location table and which has an associated direction of traffic flow.

XML Instance Representation

```
<...>
  <loc:alertCLocationCountryCode> com:String </loc:alertCLocationCountryCode> [1] ?
  <loc:alertCLocationTableNumber> com:String </loc:alertCLocationTableNumber> [1] ?
  <loc:alertCLocationTableVersion> com:String </loc:alertCLocationTableVersion> [1] ?
  <loc:_alertCPointExtension> com:_ExtensionType </loc:_alertCPointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AlertCPoint" abstract="true">
  <xs:sequence>
    <xs:element name="alertCLocationCountryCode" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="alertCLocationTableNumber" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="alertCLocationTableVersion" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_alertCPointExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: AltitudeConfidence

Super-types: None

Sub-types: None

Name AltitudeConfidence

Abstract no

Documentation Evaluation of the altitude confidence assessed according to ETSI ISO 102894-2

XML Instance Representation

```
<...>
  <loc:altitudeAccuracyCodedValue> loc:_AltitudeAccuracyEnum </loc:altitudeAccuracyCodedValue> [0..1] ?
  <loc:altitudeAccuracyCodedError> loc:_PositionConfidenceCodedErrorEnum </loc:altitudeAccuracyCodedError> [0..1] ?
  <loc:_altitudeConfidenceExtension> com:_ExtensionType </loc:_altitudeConfidenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AltitudeConfidence">
  <xs:sequence>
    <xs:element name="altitudeAccuracyCodedValue" type="loc:_AltitudeAccuracyEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="altitudeAccuracyCodedError" type="loc:_PositionConfidenceCodedErrorEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_altitudeConfidenceExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: AreaDestination

Super-types: [Destination](#) < AreaDestination (by extension)

Sub-types: None

Name AreaDestination

Abstract no

Documentation The specification of the destination of a defined route or itinerary which is an area.

XML Instance Representation

```
<...>
  <loc:_destinationExtension> com:_ExtensionType </loc:_destinationExtension> [0..1]
  <loc:areaLocation> loc:AreaLocation </loc:areaLocation> [1]
  <loc:_areaDestinationExtension> com:_ExtensionType </loc:_areaDestinationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AreaDestination">
  <xs:complexContent>
```



```

<xs:extension base="loc:Destination">
  <xs:sequence>
    <xs:element name="areaLocation" type="loc:AreaLocation"/>
    <xs:element name="_areaDestinationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

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Complex Type: AreaLocation

Super-types: [LocationReference](#) < [Location](#) (by extension) < **AreaLocation** (by extension)

Sub-types: None

Name AreaLocation

Abstract no

Documentation Location representing a geographic or geometric defined area which may be qualified by height information to provide additional geospatial discrimination (e.g. for snow in an area but only above a certain altitude).

XML Instance Representation

```

<...>
  <loc:locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:_locationReferenceExtension> [0..1]
  <loc:externalReferencing> loc:ExternalReferencing </loc:externalReferencing> [0..*]
  <loc:coordinatesForDisplay> loc:PointCoordinates </loc:coordinatesForDisplay> [0..1] ?
  <loc:locationExtension> com:_ExtensionType </loc:_locationExtension> [0..1]
  <loc:areasAtWhichApplicable> loc:_AreaPlacesEnum </loc:_areasAtWhichApplicable> [0..1] ?
  <loc>alertCArea> loc:AlertCArea </loc:_alertCArea> [0..*]
  <loc:tpegAreaLocation> loc:TpegAreaLocation </loc:_tpegAreaLocation> [0..1]
  <loc:namedArea> loc:NamedArea </loc:_namedArea> [0..1]
  <loc:gmlMultiPolygon> loc:GmlMultiPolygon </loc:_gmlMultiPolygon> [0..1]
  <loc:openlrAreaLocationReference> loc:OpenlrAreaLocationReference </loc:_openlrAreaLocationReference> [0..1]
  <loc:_areaLocationExtension> com:_ExtensionType </loc:_areaLocationExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="AreaLocation">
  <xs:complexContent>
    <xs:extension base="loc:Location">
      <xs:sequence>
        <xs:element name="areasAtWhichApplicable" type="loc:_AreaPlacesEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="alertCArea" type="loc:AlertCArea" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="tpegAreaLocation" type="loc:TpegAreaLocation" minOccurs="0"/>
        <xs:element name="namedArea" type="loc:NamedArea" minOccurs="0"/>
        <xs:element name="gmlMultiPolygon" type="loc:GmlMultiPolygon" minOccurs="0"/>
        <xs:element name="openlrAreaLocationReference" type="loc:OpenlrAreaLocationReference" minOccurs="0"/>
        <xs:element name="_areaLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

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Complex Type: Carriageway

Super-types: None

Sub-types: None

Name Carriageway

Abstract no

Documentation Supplementary positional information which details carriageway and lane locations. Several instances may exist where the element being described extends over more than one carriageway.

XML Instance Representation

```

<...>
  <loc:carriageway> loc:_CarriagewayEnum </loc:_carriageway> [1] ?
  <loc:originalNumberOfLanes> com:Integer </loc:_originalNumberOfLanes> [0..1] ?
  <loc:lane> loc:Lane </loc:_lane> [0..*]
  <loc:_carriagewayExtension> com:_ExtensionType </loc:_carriagewayExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="Carriageway">
  <xs:sequence>
    <xs:element name="carriageway" type="loc:_CarriagewayEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="originalNumberOfLanes" type="com:Integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="lane" type="loc:Lane" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_carriagewayExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

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Complex Type: Destination

Super-types: None

Sub-types:

- [AreaDestination](#) (by extension)
- [PointDestination](#) (by extension)

Name	Destination
<u>Abstract</u>	yes
Documentation	The specification of a destination. This may be either a point location or an area location.

XML Instance Representation

```
<...>
  <loc:_destinationExtension> com:_ExtensionType </loc:_destinationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Destination" abstract="true">
  <xs:sequence>
    <xs:element name="_destinationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **DistanceAlongLinearElement**

Super-types: None

Sub-types:

- [DistanceFromLinearElementReferent](#) (by extension)
- [DistanceFromLinearElementStart](#) (by extension)
- [PercentageDistanceAlongLinearElement](#) (by extension)

Name	DistanceAlongLinearElement
<u>Abstract</u>	yes
Documentation	Distance of a point along a linear element either measured from the start node or a defined referent on that linear element, where the start node is relative to the element definition rather than the direction of traffic flow.

XML Instance Representation

```
<...>
  <loc:_distanceAlongLinearElementExtension> com:_ExtensionType </loc:_distanceAlongLinearElementExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DistanceAlongLinearElement" abstract="true">
  <xs:sequence>
    <xs:element name="_distanceAlongLinearElementExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **DistanceFromLinearElementReferent**

Super-types: [DistanceAlongLinearElement](#) < **DistanceFromLinearElementReferent** (by extension)

Sub-types: None

Name	DistanceFromLinearElementReferent
<u>Abstract</u>	no
Documentation	Distance of a point along a linear element measured from a "from referent" on the linear element, in the sense relative to the linear element definition rather than the direction of traffic flow or optionally towards a "towards referent".

XML Instance Representation

```
<...>
  <loc:_distanceAlongLinearElementExtension> com:_ExtensionType </loc:_distanceAlongLinearElementExtension> [0..1]
  <loc:distanceAlong> com:MetresAsFloat </loc:distanceAlong> [1] ?
  <loc:fromReferent> loc:Referent </loc:fromReferent> [1] ?
  <loc:towardsReferent> loc:Referent </loc:towardsReferent> [0..1] ?
  <loc:_distanceFromLinearElementReferentExtension> com:_ExtensionType
</loc:_distanceFromLinearElementReferentExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DistanceFromLinearElementReferent">
  <xs:complexContent>
    <xs:extension base="loc:DistanceAlongLinearElement">
      <xs:sequence>
        <xs:element name="distanceAlong" type="com:MetresAsFloat" minOccurs="1" maxOccurs="1"/>
        <xs:element name="fromReferent" type="loc:Referent"/>
        <xs:element name="towardsReferent" type="loc:Referent" minOccurs="0"/>
        <xs:element name="_distanceFromLinearElementReferentExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: **DistanceFromLinearElementStart**

Super-types: [DistanceAlongLinearElement](#) < [DistanceFromLinearElementStart](#) (by extension)
Sub-types: None

Name DistanceFromLinearElementStart
Abstract no
Documentation Distance of a point along a linear element measured from the start node of the linear element, where start node is relative to the element definition rather than the direction of traffic flow.

XML Instance Representation

```
<...>
  <loc:_distanceAlongLinearElementExtension> com:_ExtensionType </loc:_distanceAlongLinearElementExtension> [0..1]
  <loc:distanceAlong> com:MetresAsFloat </loc:distanceAlong> [1] ?
  <loc:_distanceFromLinearElementStartExtension> com:_ExtensionType </loc:_distanceFromLinearElementStartExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DistanceFromLinearElementStart">
  <xs:complexContent>
    <xs:extension base="loc:DistanceAlongLinearElement">
      <xs:sequence>
        <xs:element name="distanceAlong" type="com:MetresAsFloat" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_distanceFromLinearElementStartExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: ExternalReferencing

Super-types: None
Sub-types: None

Name ExternalReferencing
Abstract no
Documentation A location defined by reference to an external/other referencing system.

XML Instance Representation

```
<...>
  <loc:externalLocationCode> com:String </loc:externalLocationCode> [1] ?
  <loc:externalReferencingSystem> com:String </loc:externalReferencingSystem> [1] ?
  <loc:_externalReferencingExtension> com:_ExtensionType </loc:_externalReferencingExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ExternalReferencing">
  <xs:sequence>
    <xs:element name="externalLocationCode" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="externalReferencingSystem" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_externalReferencingExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: GmlLineString

Super-types: None
Sub-types:

- [GmlLinearRing](#) (by extension)

Name GmlLineString
Abstract no
Documentation Line string based on GML (EN ISO 19136) definition: a curve defined by a series of two or more coordinate tuples. Unlike GML may be self-intersecting. If srsName attribute is not present, posList is assumed to use "ETRS89-LatLonh" reference system.

XML Instance Representation

```
<...
  srsDimension="com:NonNegativeInteger [0..1] ?"
  srsName="com:String [0..1] ?">
    <loc:posList> loc:GmlPosList </loc:posList> [1] ?
    <loc:_gmlLineStringExtension> com:_ExtensionType </loc:_gmlLineStringExtension> [0..1]
  </...>
```

Schema Component Representation

```
<xs:complexType name="GmlLineString">
  <xs:sequence>
    <xs:element name="posList" type="loc:GmlPosList" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_gmlLineStringExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="srsDimension" type="com:NonNegativeInteger" use="optional"/>
  <xs:attribute name="srsName" type="com:String" use="optional"/>
</xs:complexType>
```

Complex Type: GmlLinearRing

Super-types: [GmlLineString](#) < **GmlLinearRing** (by extension)

Sub-types: None

Name GmlLinearRing

Abstract no

Documentation Closed line string not self-intersecting (i.e. having as last point the first point)

XML Instance Representation

```
<...
  srsDimension="com:NonNegativeInteger [0..1] ?"
  srsName="com:String [0..1] ?">
    <loc:posList> loc:GmlPosList </loc:posList> [1] ?
    <loc:_gmlLineStringExtension> com:\_ExtensionType </loc:_gmlLineStringExtension> [0..1]
    <loc:_gmlLinearRingExtension> com:\_ExtensionType </loc:_gmlLinearRingExtension> [0..1]
  </...>
```

Schema Component Representation

```
<xs:complexType name="GmlLinearRing">
  <xs:complexContent>
    <xs:extension base="loc:GmlLineString">
      <xs:sequence>
        <xs:element name="_gmlLinearRingExtension" type="com:\_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: GmlMultiPolygon

Super-types: None

Sub-types: None

Name GmlMultiPolygon

Abstract no

Documentation An area defined by a set of polygons according to GML (EN ISO 19136).

XML Instance Representation

```
<...>
  <loc:gmlAreaName> com:MultilingualString </loc:gmlAreaName> [0..1] ?
  <loc:gmlPolygon> loc:GmlPolygon </loc:gmlPolygon> [1..*]
  <loc:_gmlMultiPolygonExtension> com:\_ExtensionType </loc:_gmlMultiPolygonExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="GmlMultiPolygon">
  <xs:sequence>
    <xs:element name="gmlAreaName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="gmlPolygon" type="loc:GmlPolygon" maxOccurs="unbounded"/>
    <xs:element name="_gmlMultiPolygonExtension" type="com:\_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

Complex Type: GmlPolygon

Super-types: None

Sub-types: None

Name GmlPolygon

Abstract no

Documentation Planar surface defined by 1 exterior boundary and 0 or more interior boundaries

XML Instance Representation

```
<...>
  <loc:exterior> loc:GmlLinearRing </loc:exterior> [1] ?
  <loc:interior> loc:GmlLinearRing </loc:interior> [0..*] ?
  <loc:_gmlPolygonExtension> com:\_ExtensionType </loc:_gmlPolygonExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="GmlPolygon">
  <xs:sequence>
    <xs:element name="exterior" type="loc:GmlLinearRing" />
    <xs:element name="interior" type="loc:GmlLinearRing" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_gmlPolygonExtension" type="com:\_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

Complex Type: HeightCoordinate

Super-types:	None
Sub-types:	None

Name	HeightCoordinate
Abstract	no
Documentation	Third coordinate for points defined geodetically

XML Instance Representation

```
<...>
  <loc:heightValue> com:MetresAsFloat </loc:heightValue> [1] ?
  <loc:heightType> loc:_HeightTypeEnum </loc:heightType> [0..1] ?
  <loc:altitudeConfidence> loc:AltitudeConfidence </loc:altitudeConfidence> [0..1]
  <loc:verticalPositionAccuracy> loc:PositionAccuracy </loc:verticalPositionAccuracy> [0..1] ?
  <loc:_heightCoordinateExtension> com:_ExtensionType </loc:_heightCoordinateExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="HeightCoordinate">
  <xs:sequence>
    <xs:element name="heightValue" type="com:MetresAsFloat" minOccurs="1" maxOccurs="1"/>
    <xs:element name="heightType" type="loc:_HeightTypeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="altitudeConfidence" type="loc:AltitudeConfidence" minOccurs="0"/>
    <xs:element name="verticalPositionAccuracy" type="loc:PositionAccuracy" minOccurs="0"/>
    <xs:element name="_heightCoordinateExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

Complex Type: IsoNamedArea

Super-types:	NamedArea < NamedArea (by extension) < IsoNamedArea (by extension)
Sub-types:	None

Name	IsoNamedArea
Abstract	no
Documentation	The ISO 3166-2 representation for the named area.

XML Instance Representation

```
<...>
  <!-- 'com:NamedArea' super type was not found in this schema. Some elements and attributes may be missing. -->
  <loc:areaName> com:MultilingualString </loc:areaName> [1] ?
  <loc:namedAreaType> loc:_NamedAreaTypeEnum </loc:namedAreaType> [0..1] ?
  <loc:country> com:CountryCode </loc:country> [0..1] ?
  <loc:_namedAreaExtension> loc:_NamedAreaExtensionType </loc:_namedAreaExtension> [0..1]
  <loc:subdivisionType> loc:_SubdivisionTypeEnum </loc:subdivisionType> [1] ?
  <loc:subdivisionCode> loc:SubdivisionCode </loc:subdivisionCode> [1] ?
  <loc:_isoNamedAreaExtension> com:_ExtensionType </loc:_isoNamedAreaExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="IsoNamedArea">
  <xs:complexContent>
    <xs:extension base="loc:NamedArea">
      <xs:sequence>
        <xs:element name="subdivisionType" type="loc:_SubdivisionTypeEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="subdivisionCode" type="loc:SubdivisionCode" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_isoNamedAreaExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: Itinerary

Super-types:	LocationReference < Itinerary (by extension)
Sub-types:	ItineraryByIndexedLocations (by extension) ItineraryByReference (by extension)

Name	Itinerary
Abstract	yes
Documentation	Multiple (i.e. more than one) physically separate locations arranged as an ordered set that defines an itinerary or route.

XML Instance Representation

```
<...>
  <loc:_locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:_locationReferenceExtension> [0..1]
  <loc:routeDestination> loc:Destination </loc:routeDestination> [0..*] ?
  <loc:_itineraryExtension> com:_ExtensionType </loc:_itineraryExtension> [0..1]
</...>
```

</...>

Schema Component Representation

```
<xs:complexType name="Itinerary" abstract="true">
  <xs:complexContent>
    <xs:extension base="loc:LocationReference">
      <xs:sequence>
        <xs:element name="routeDestination" type="loc:Destination" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_itineraryExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: ItineraryByIndexedLocations

Super-types:	LocationReference < Itinerary (by extension) < ItineraryByIndexedLocations (by extension)
Sub-types:	None

Name	ItineraryByIndexedLocations
Abstract	no
Documentation	Multiple physically separate locations arranged as an ordered set that defines an itinerary or route. The index qualifier indicates the order.

XML Instance Representation

```
<...>
  <loc:_locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:_locationReferenceExtension> [0..1]
  <loc:routeDestination> loc:Destination </loc:routeDestination> [0..*] ?
  <loc:_itineraryExtension> com:_ExtensionType </loc:_itineraryExtension> [0..1]
  <loc:locationContainedInItinerary> loc:_LocationContainedInItinerary </loc:locationContainedInItinerary> [0..*] ?
  <loc:_itineraryByIndexedLocationsExtension> com:_ExtensionType </loc:_itineraryByIndexedLocationsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ItineraryByIndexedLocations">
  <xs:complexContent>
    <xs:extension base="loc:Itinerary">
      <xs:sequence>
        <xs:element name="locationContainedInItinerary" type="loc:_LocationContainedInItinerary" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_itineraryByIndexedLocationsExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: ItineraryByReference

Super-types:	LocationReference < Itinerary (by extension) < ItineraryByReference (by extension)
Sub-types:	None

Name	ItineraryByReference
Abstract	no
Documentation	Multiple (i.e. more than one) physically separate locations which are ordered that constitute an itinerary or route where they are defined by reference to a predefined itinerary.

XML Instance Representation

```
<...>
  <loc:_locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:_locationReferenceExtension> [0..1]
  <loc:routeDestination> loc:Destination </loc:routeDestination> [0..*] ?
  <loc:_itineraryExtension> com:_ExtensionType </loc:_itineraryExtension> [0..1]
  <loc:predefinedItineraryReference> loc:_PredefinedItineraryVersionedReference </loc:predefinedItineraryReference> [1] ?
  <loc:_itineraryByReferenceExtension> com:_ExtensionType </loc:_itineraryByReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ItineraryByReference">
  <xs:complexContent>
    <xs:extension base="loc:Itinerary">
      <xs:sequence>
        <xs:element name="predefinedItineraryReference" type="loc:_PredefinedItineraryVersionedReference" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_itineraryByReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: Lane

Super-types:	None
--------------	------

Sub-types:	None
------------	------

Name	Lane
<u>Abstract</u>	no
Documentation	Indicates a specific lane or group of lanes.

XML Instance Representation

```
<...>
  <loc:laneNumber> com:Integer </loc:laneNumber> [0..1] ?
  <loc:laneUsage> loc:_LaneEnum </loc:laneUsage> [0..1] ?
  <loc:_laneExtension> com:_ExtensionType </loc:_laneExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Lane">
  <xs:sequence>
    <xs:element name="laneNumber" type="com:Integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="laneUsage" type="loc:_LaneEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_laneExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: LinearElement

Super-types:	None
Sub-types:	LinearElementByCode (by extension) LinearElementByLineString (by extension) LinearElementByPoints (by extension)

Name	LinearElement
<u>Abstract</u>	no
Documentation	A linear element along a single linear object, consistent with EN ISO 19148 definitions.

XML Instance Representation

```
<...>
  <loc:roadName> com:MultilingualString </loc:roadName> [0..1] ?
  <loc:roadNumber> com:String </loc:roadNumber> [0..1] ?
  <loc:linearElementReferenceModel> com:String </loc:linearElementReferenceModel> [0..1] ?
  <loc:linearElementReferenceModelVersion> com:String </loc:linearElementReferenceModelVersion> [0..1] ?
  <loc:linearElementNature> loc:_LinearElementNatureEnum </loc:linearElementNature> [0..1] ?
  <loc:_linearElementExtension> com:_ExtensionType </loc:_linearElementExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LinearElement">
  <xs:sequence>
    <xs:element name="roadName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="roadNumber" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="linearElementReferenceModel" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="linearElementReferenceModelVersion" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="linearElementNature" type="loc:_LinearElementNatureEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_linearElementExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: LinearElementByCode

Super-types:	LinearElement < LinearElementByCode (by extension)
Sub-types:	None

Name	LinearElementByCode
<u>Abstract</u>	no
Documentation	A linear element along a single linear object defined by its identifier or code in a road network reference model (specified in LinearElement class) which segments the road network according to specific business rules.

XML Instance Representation

```
<...>
  <loc:roadName> com:MultilingualString </loc:roadName> [0..1] ?
  <loc:roadNumber> com:String </loc:roadNumber> [0..1] ?
  <loc:linearElementReferenceModel> com:String </loc:linearElementReferenceModel> [0..1] ?
  <loc:linearElementReferenceModelVersion> com:String </loc:linearElementReferenceModelVersion> [0..1] ?
  <loc:linearElementNature> loc:_LinearElementNatureEnum </loc:linearElementNature> [0..1] ?
  <loc:_linearElementExtension> com:_ExtensionType </loc:_linearElementExtension> [0..1]
  <loc:linearElementIdentifier> com:String </loc:linearElementIdentifier> [1] ?
  <loc:_linearElementByCodeExtension> com:_ExtensionType </loc:_linearElementByCodeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LinearElementByCode">
  <xs:complexContent>
    <xs:extension base="loc:LinearElement"/>
  </xs:complexContent>
</xs:complexType>
```

```

<xs:sequence>
  <xs:element name="linearElementIdentifier" type="com:String" minOccurs="1" maxOccurs="1"/>
  <xs:element name="_linearElementByCodeExtension" type="com:_ExtensionType" minOccurs="0"/>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

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Complex Type: LinearElementByLineString

Super-types: [LinearElement](#) < LinearElementByLineString (by extension)

Sub-types: None

Name LinearElementByLineString

Abstract no

Documentation A linear element defined by a line string (class GmlLineString).

XML Instance Representation

```

<...>
  <loc:roadName> com:MultilingualString </loc:roadName> [0..1] ?
  <loc:roadNumber> com:String </loc:roadNumber> [0..1] ?
  <loc:linearElementReferenceModel> com:String </loc:linearElementReferenceModel> [0..1] ?
  <loc:linearElementReferenceModelVersion> com:String </loc:linearElementReferenceModelVersion> [0..1] ?
  <loc:linearElementNature> loc:_LinearElementNatureEnum </loc:linearElementNature> [0..1] ?
  <loc:_linearElementExtension> com:_ExtensionType </loc:_linearElementExtension> [0..1]
  <loc:gmlLineString> loc:GmlLineString </loc:gmlLineString> [1]
  <loc:_linearElementByLineStringExtension> com:_ExtensionType </loc:_linearElementByLineStringExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="LinearElementByLineString">
  <xs:complexContent>
    <xs:extension base="loc:LinearElement">
      <xs:sequence>
        <xs:element name="gmlLineString" type="loc:GmlLineString"/>
        <xs:element name="_linearElementByLineStringExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

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Complex Type: LinearElementByPoints

Super-types: [LinearElement](#) < LinearElementByPoints (by extension)

Sub-types: None

Name LinearElementByPoints

Abstract no

Documentation A linear element along a single linear object defined by its start and end points.

XML Instance Representation

```

<...>
  <loc:roadName> com:MultilingualString </loc:roadName> [0..1] ?
  <loc:roadNumber> com:String </loc:roadNumber> [0..1] ?
  <loc:linearElementReferenceModel> com:String </loc:linearElementReferenceModel> [0..1] ?
  <loc:linearElementReferenceModelVersion> com:String </loc:linearElementReferenceModelVersion> [0..1] ?
  <loc:linearElementNature> loc:_LinearElementNatureEnum </loc:linearElementNature> [0..1] ?
  <loc:_linearElementExtension> com:_ExtensionType </loc:_linearElementExtension> [0..1]
  <loc:startPointOfLinearElement> loc:Referent </loc:startPointOfLinearElement> [1] ?
  <loc:intermediatePointOnLinearElement> loc:_IntermediatePointOnLinearElement
  </loc:intermediatePointOnLinearElement> [0..*] ?
  <loc:endPointOfLinearElement> loc:Referent </loc:endPointOfLinearElement> [1] ?
  <loc:_linearElementByPointsExtension> com:_ExtensionType </loc:_linearElementByPointsExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="LinearElementByPoints">
  <xs:complexContent>
    <xs:extension base="loc:LinearElement">
      <xs:sequence>
        <xs:element name="startPointOfLinearElement" type="loc:Referent"/>
        <xs:element name="intermediatePointOnLinearElement" type="loc:_IntermediatePointOnLinearElement"
          minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="endPointOfLinearElement" type="loc:Referent"/>
        <xs:element name="_linearElementByPointsExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

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Complex Type: LinearLocation

Super-types: [LocationReference](#) < [Location](#) (by extension) < [NetworkLocation](#) (by extension) < LinearLocation (by extension)

Sub-types:

- [SingleRoadLinearLocation](#) (by extension)

Name	LinearLocation
Abstract	no
Documentation	Location representing a linear section with optional directionality defined between two points.

XML Instance Representation

```
<...>
<loc:locationReferenceExtension> loc:LocationReferenceExtensionType </loc:locationReferenceExtension> [0..1]
<loc:externalReferencing> loc:ExternalReferencing </loc:externalReferencing> [0..*]
<loc:coordinatesForDisplay> loc:PointCoordinates </loc:coordinatesForDisplay> [0..1] ?
<loc:locationExtension> com:ExtensionType </loc:locationExtension> [0..1]
<loc:supplementaryPositionalDescription> loc:SupplementaryPositionalDescription
</loc:supplementaryPositionalDescription> [0..1]
<loc:destination> loc:Destination </loc:destination> [0..1]
<loc:networkLocationExtension> com:ExtensionType </loc:networkLocationExtension> [0..1]
<loc:openlrLinear> loc:OpenlrLinear </loc:openlrLinear> [0..1]
<loc:gmlLineString> loc:GmlLineString </loc:gmlLineString> [0..1]
<loc:secondarySupplementaryDescription> loc:SupplementaryPositionalDescription
</loc:secondarySupplementaryDescription> [0..1] ?
</loc:_linearLocationExtension> com:ExtensionType </loc:_linearLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LinearLocation">
  <xs:complexContent>
    <xs:extension base="loc:NetworkLocation">
      <xs:sequence>
        <xs:element name="openlrLinear" type="loc:OpenlrLinear" minOccurs="0"/>
        <xs:element name="gmlLineString" type="loc:GmlLineString" minOccurs="0"/>
        <xs:element name="secondarySupplementaryDescription" type="loc:SupplementaryPositionalDescription"
          minOccurs="0"/>
        <xs:element name="_linearLocationExtension" type="com:ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:complexContent>
  </xs:complexType>
```

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Complex Type: LinearWithinLinearElement

Super-types:	None
Sub-types:	None

Name	LinearWithinLinearElement
Abstract	no
Documentation	A linear section along a linear element where the linear element is either a part of or the whole of a linear object (i.e. a road), consistent with ISO 19148 definitions.

XML Instance Representation

```
<...>
<loc:administrativeAreaOfLinearSection> com:MultilingualString </loc:administrativeAreaOfLinearSection> [0..1] ?
<loc:directionOnLinearSection> loc:_DirectionEnum </loc:directionOnLinearSection> [0..1] ?
<loc:directionRelativeOnLinearSection> loc:_LinearDirectionEnum </loc:directionRelativeOnLinearSection> [0..1] ?
<loc:heightGradeOfLinearSection> loc:_HeightGradeEnum </loc:heightGradeOfLinearSection> [0..1] ?
<loc:linearElement> loc:LinearElement </loc:linearElement> [1]
<loc:fromPoint> loc:DistanceAlongLinearElement </loc:fromPoint> [1] ?
<loc:toPoint> loc:DistanceAlongLinearElement </loc:toPoint> [1] ?
<loc:_linearWithinLinearElementExtension> com:ExtensionType </loc:_linearWithinLinearElementExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LinearWithinLinearElement">
  <xs:sequence>
    <xs:element name="administrativeAreaOfLinearSection" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="directionOnLinearSection" type="loc:_DirectionEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="directionRelativeOnLinearSection" type="loc:_LinearDirectionEnum" minOccurs="0"
      maxOccurs="1"/>
    <xs:element name="heightGradeOfLinearSection" type="loc:_HeightGradeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="linearElement" type="loc:LinearElement"/>
    <xs:element name="fromPoint" type="loc:DistanceAlongLinearElement"/>
    <xs:element name="toPoint" type="loc:DistanceAlongLinearElement"/>
    <xs:element name="_linearWithinLinearElementExtension" type="com:ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: Location

Super-types: [LocationReference](#) < Location (by extension)

Sub-types:

- [AreaLocation](#) (by extension)
- [LocationByReference](#) (by extension)
- [NetworkLocation](#) (by extension)
 - [LinearLocation](#) (by extension)
 - [SingleRoadLinearLocation](#) (by extension)
 - [PointLocation](#) (by extension)

Name	Location
Abstract	yes
Documentation	The specification of a location either on a network (as a point or a linear location) or as an area. This may be provided in one or more referencing systems.

XML Instance Representation

```
<...>
  <loc:_locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:_locationReferenceExtension> [0..1]
  <loc:externalReferencing> loc:ExternalReferencing </loc:externalReferencing> [0..*]
  <loc:coordinatesForDisplay> loc:PointCoordinates </loc:coordinatesForDisplay> [0..1] ?
  <loc:_locationExtension> com:_ExtensionType </loc:_locationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Location" abstract="true">
  <xs:complexContent>
    <xs:extension base="loc:LocationReference">
      <xs:sequence>
        <xs:element name="externalReferencing" type="loc:ExternalReferencing" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="coordinatesForDisplay" type="loc:PointCoordinates" minOccurs="0"/>
        <xs:element name="_locationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: **LocationByReference**

Super-types:	LocationReference < Location (by extension) < LocationByReference (by extension)
Sub-types:	None

Name	LocationByReference
Abstract	no
Documentation	A location defined by reference to a predefined location.

XML Instance Representation

```
<...>
  <loc:_locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:_locationReferenceExtension> [0..1]
  <loc:externalReferencing> loc:ExternalReferencing </loc:externalReferencing> [0..*]
  <loc:coordinatesForDisplay> loc:PointCoordinates </loc:coordinatesForDisplay> [0..1] ?
  <loc:_locationExtension> com:_ExtensionType </loc:_locationExtension> [0..1]
  <loc:predefinedLocationReference> loc:_PredefinedLocationVersionedReference </loc:predefinedLocationReference> [1]
  ?
  <loc:_locationByReferenceExtension> com:_ExtensionType </loc:_locationByReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LocationByReference">
  <xs:complexContent>
    <xs:extension base="loc:Location">
      <xs:sequence>
        <xs:element name="predefinedLocationReference" type="loc:_PredefinedLocationVersionedReference"
          minOccurs="1" maxOccurs="1"/>
        <xs:element name="_locationByReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: **LocationGroup**

Super-types:	LocationReference < LocationGroup (by extension)
Sub-types:	LocationGroupByList (by extension) LocationGroupByReference (by extension)

Name	LocationGroup
Abstract	yes
Documentation	Multiple (i.e. more than one) physically separate locations which have no specific order.

XML Instance Representation

```
<...>
  <loc:_locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:_locationReferenceExtension> [0..1]
  <loc:_locationGroupExtension> com:_ExtensionType </loc:_locationGroupExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LocationGroup" abstract="true">
  <xs:complexContent>
    <xs:extension base="loc:LocationReference">
      <xs:sequence>
        <xs:element name="_locationGroupExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```
</xs:complexContent>
</xs:complexType>
```

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Complex Type: LocationGroupByList

Super-types: [LocationReference](#) < [LocationGroup](#) (by extension) < **LocationGroupByList** (by extension)

Sub-types: None

Name LocationGroupByList

Abstract no

Documentation A group of (i.e. more than one) physically separate locations which have no specific order and where each location is explicitly listed.

XML Instance Representation

```
<...>
  <loc:_locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:_locationReferenceExtension> [0..1]
  <loc:_locationGroupExtension> com:_ExtensionType </loc:_locationGroupExtension> [0..1]
  <loc:_locationContainedInGroup> loc:Location </loc:_locationContainedInGroup> [2..*] ?
  <loc:_locationGroupByListExtension> com:_ExtensionType </loc:_locationGroupByListExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LocationGroupByList">
  <xs:complexContent>
    <xs:extension base="loc:LocationGroup">
      <xs:sequence>
        <xs:element name="locationContainedInGroup" type="loc:Location" minOccurs="2" maxOccurs="unbounded"/>
        <xs:element name="_locationGroupByListExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: LocationGroupByReference

Super-types: [LocationReference](#) < [LocationGroup](#) (by extension) < **LocationGroupByReference** (by extension)

Sub-types: None

Name LocationGroupByReference

Abstract no

Documentation A group of (i.e. more than one) physically separate locations which have no specific order that are defined by reference to a predefined non ordered location group.

XML Instance Representation

```
<...>
  <loc:_locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:_locationReferenceExtension> [0..1]
  <loc:_locationGroupExtension> com:_ExtensionType </loc:_locationGroupExtension> [0..1]
  <loc:_predefinedLocationGroupReference> loc:_PredefinedLocationGroupVersionedReference
  </loc:_predefinedLocationGroupReference> [1] ?
  <loc:_locationGroupByReferenceExtension> com:_ExtensionType </loc:_locationGroupByReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LocationGroupByReference">
  <xs:complexContent>
    <xs:extension base="loc:LocationGroup">
      <xs:sequence>
        <xs:element name="predefinedLocationGroupReference" type="loc:_PredefinedLocationGroupVersionedReference"
          minOccurs="1" maxOccurs="1"/>
        <xs:element name="_locationGroupByReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: LocationReference

Super-types: None

Sub-types:

- [Itinerary](#) (by extension)
 - [ItineraryByIndexedLocations](#) (by extension)
 - [ItineraryByReference](#) (by extension)
- [Location](#) (by extension)
 - [AreaLocation](#) (by extension)
 - [LocationByReference](#) (by extension)
 - [NetworkLocation](#) (by extension)
 - [LinearLocation](#) (by extension)
 - [SingleRoadLinearLocation](#) (by extension)
 - [PointLocation](#) (by extension)
- [LocationGroup](#) (by extension)
 - [LocationGroupByList](#) (by extension)
 - [LocationGroupByReference](#) (by extension)

Name	LocationReference
Abstract	yes
Documentation	Represents one or more physically separate locations. Multiple locations may be related, as in an itinerary or route, or may be unrelated. One LocationReference should not use multiple Location objects to represent the same physical location.

XML Instance Representation

```
<...>
<loc:_locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:_locationReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LocationReference" abstract="true">
  <xs:sequence>
    <xs:element name="_locationReferenceExtension" type="loc:_LocationReferenceExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **NamedArea**

Super-types:	NamedArea < NamedArea (by extension)
Sub-types:	• IsoNamedArea (by extension) • NamedArea (by extension) • NutsNamedArea (by extension)

Name	NamedArea
Abstract	no
Documentation	An area defined by a name and/or in terms of known boundaries, such as country or county boundaries or allocated control area of particular authority. The attributes do not form a union; instead, the smallest intersection forms the resulting area.

XML Instance Representation

```
<...>
<!-- 'com:NamedArea' super type was not found in this schema. Some elements and attributes may be missing. -->
<loc:areaName> com:MultilingualString </loc:areaName> [1] ?
<loc:namedAreaType> loc:_NamedAreaTypeEnum </loc:namedAreaType> [0..1] ?
<loc:country> com:CountryCode </loc:country> [0..1] ?
<loc:_namedAreaExtension> loc:_NamedAreaExtensionType </loc:_namedAreaExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="NamedArea">
  <xs:complexContent>
    <xs:extension base="com:NamedArea">
      <xs:sequence>
        <xs:element name="areaName" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
        <xs:element name="namedAreaType" type="loc:_NamedAreaTypeEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="country" type="com:CountryCode" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_namedAreaExtension" type="loc:_NamedAreaExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **NetworkLocation**

Super-types:	LocationReference < Location (by extension) < NetworkLocation (by extension)
Sub-types:	• LinearLocation (by extension) ◦ SingleRoadLinearLocation (by extension) • PointLocation (by extension)

Name	NetworkLocation
Abstract	yes
Documentation	The specification of a location on a network (as a point or a linear location).

XML Instance Representation

```
<...>
<loc:_locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:_locationReferenceExtension> [0..1]
<loc:externalReferencing> loc:ExternalReferencing </loc:externalReferencing> [0..*]
<loc:coordinatesForDisplay> loc:PointCoordinates </loc:coordinatesForDisplay> [0..1] ?
<loc:_locationExtension> com:_ExtensionType </loc:_locationExtension> [0..1]
<loc:supplementaryPositionalDescription> loc:SupplementaryPositionalDescription
</loc:supplementaryPositionalDescription> [0..1]
<loc:destination> loc:Destination </loc:destination> [0..1]
<loc:_networkLocationExtension> com:_ExtensionType </loc:_networkLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="NetworkLocation" abstract="true">
  <xs:complexContent>
    <xs:extension base="loc:Location">
      <xs:sequence>
```

```

<xs:element name="supplementaryPositionalDescription" type="loc:SupplementaryPositionalDescription"
minOccurs="0"/>
<xs:element name="destination" type="loc:Destination" minOccurs="0"/>
<xs:element name="_networkLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: NutsNamedArea

Super-types: NamedArea < [NamedArea](#) (by extension) < **NutsNamedArea** (by extension)

Sub-types: None

Name NutsNamedArea

Abstract no

Documentation The NUTS-Code representation for the named area (Nomenclature of territorial units for statistics) or its LAU code representation (Local Administrative Unit).

XML Instance Representation

```

<...>
<!-- 'com:NamedArea' super type was not found in this schema. Some elements and attributes may be missing. -->
<loc:areaName> com:MultilingualString </loc:areaName> [1] ?
<loc:namedAreaType> loc:_NamedAreaTypeEnum </loc:namedAreaType> [0..1] ?
<loc:country> com:CountryCode </loc:country> [0..1] ?
<loc:_namedAreaExtension> loc:_NamedAreaExtensionType </loc:_namedAreaExtension> [0..1]
<loc:nutsCodeType> loc:_NutsCodeTypeEnum </loc:nutsCodeType> [1] ?
<loc:nutsCode> loc:NutsCode </loc:nutsCode> [1] ?
<loc:_nutsNamedAreaExtension> com:_ExtensionType </loc:_nutsNamedAreaExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="NutsNamedArea">
  <xs:complexContent>
    <xs:extension base="loc:NamedArea">
      <xs:sequence>
        <xs:element name="nutsCodeType" type="loc:_NutsCodeTypeEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="nutsCode" type="loc:NutsCode" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_nutsNamedAreaExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: OffsetDistance

Super-types: None

Sub-types: None

Name OffsetDistance

Abstract no

Documentation The non-negative offset distance from the ALERT-C referenced point to the actual point.

XML Instance Representation

```

<...>
<loc:offsetDistance> com:MetresAsNonNegativeInteger </loc:offsetDistance> [1] ?
<loc:_offsetDistanceExtension> com:_ExtensionType </loc:_offsetDistanceExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="OffsetDistance">
  <xs:sequence>
    <xs:element name="offsetDistance" type="com:MetresAsNonNegativeInteger" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_offsetDistanceExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: OpenlrAreaLocationReference

Super-types: None

Sub-types:

- [OpenlrCircleLocationReference](#) (by extension)
- [OpenlrClosedLineLocationReference](#) (by extension)
- [OpenlrGridLocationReference](#) (by extension)
- [OpenlrPolygonLocationReference](#) (by extension)
- [OpenlrRectangleLocationReference](#) (by extension)

Name OpenlrAreaLocationReference

Abstract yes

Documentation A two-dimensional part of the surface of the earth which is bounded by a closed curve. An area location may cover parts of the road network but does not necessarily need to. It is represented according to the OpenLR

XML Instance Representation

```
<...>
  <loc:_openlrAreaLocationReferenceExtension> com:_ExtensionType </loc:_openlrAreaLocationReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrAreaLocationReference" abstract="true">
  <xs:sequence>
    <xs:element name="_openlrAreaLocationReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)Complex Type: **OpenlrBasePointLocation**

Super-types: [OpenlrPointLocationReference](#) < OpenlrBasePointLocation (by extension)

Sub-types:

- [OpenlrPointAlongLine](#) (by extension)
- [OpenlrPolWithAccessPoint](#) (by extension)

Name	OpenlrBasePointLocation
Abstract	yes
Documentation	Holds common data that are used both in OpenlrPointAccessPoint and OpenlrPointAlongLine.

XML Instance Representation

```
<...>
  <loc:_openlrPointLocationReferenceExtension> com:_ExtensionType </loc:_openlrPointLocationReferenceExtension> [0..1]
  <loc:openlrSideOfRoad> loc:_OpenlrSideOfRoadEnum </loc:openlrSideOfRoad> [1] ?
  <loc:openlrOrientation> loc:_OpenlrOrientationEnum </loc:openlrOrientation> [1] ?
  <loc:openlrLocationReferencePoint> loc:OpenlrLocationReferencePoint </loc:openlrLocationReferencePoint> [1] ?
  <loc:openlrLastLocationReferencePoint> loc:OpenlrLastLocationReferencePoint
</loc:openlrLastLocationReferencePoint> [1] ?
  <loc:openlrOffsets> loc:OpenlrOffsets </loc:openlrOffsets> [0..1] ?
  <loc:_openlrBasePointLocationExtension> com:_ExtensionType </loc:_openlrBasePointLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrBasePointLocation" abstract="true">
  <xs:complexContent>
    <xs:extension base="loc:OpenlrPointLocationReference">
      <xs:sequence>
        <xs:element name="openlrSideOfRoad" type="loc:_OpenlrSideOfRoadEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="openlrOrientation" type="loc:_OpenlrOrientationEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="openlrLocationReferencePoint" type="loc:OpenlrLocationReferencePoint"/>
        <xs:element name="openlrLastLocationReferencePoint" type="loc:OpenlrLastLocationReferencePoint"/>
        <xs:element name="openlrOffsets" type="loc:OpenlrOffsets" minOccurs="0"/>
        <xs:element name="_openlrBasePointLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)Complex Type: **OpenlrBaseReferencePoint**

Super-types: None

Sub-types:

- [OpenlrLastLocationReferencePoint](#) (by extension)
- [OpenlrLocationReferencePoint](#) (by extension)

Name	OpenlrBaseReferencePoint
Abstract	yes
Documentation	Base class used to hold data about a reference point.

XML Instance Representation

```
<...>
  <loc:openlrCoordinates> loc:PointCoordinates </loc:openlrCoordinates> [1] ?
  <loc:openlrLineAttributes> loc:OpenlrLineAttributes </loc:openlrLineAttributes> [1] ?
  <loc:_openlrBaseReferencePointExtension> com:_ExtensionType </loc:_openlrBaseReferencePointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrBaseReferencePoint" abstract="true">
  <xs:sequence>
    <xs:element name="openlrCoordinates" type="loc:PointCoordinates"/>
    <xs:element name="openlrLineAttributes" type="loc:OpenlrLineAttributes"/>
    <xs:element name="_openlrBaseReferencePointExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)Complex Type: **OpenlrCircleLocationReference**

Super-types: [OpenlrAreaLocationReference](#) < [OpenlrCircleLocationReference](#) (by extension)
Sub-types: None

Name OpenlrCircleLocationReference
Abstract no
Documentation The OpenLR method of area definition by providing a center position and a radius

XML Instance Representation

```
<...>
  <loc:_openlrAreaLocationReferenceExtension> com:_ExtensionType </loc:_openlrAreaLocationReferenceExtension> [0..1]
  <loc:openlrRadius> com:MetresAsNonNegativeInteger </loc:openlrRadius> [1] ?
  <loc:openlrGeoCoordinate> loc:OpenlrGeoCoordinate </loc:openlrGeoCoordinate> [1]
  <loc:_openlrCircleLocationReferenceExtension> com:_ExtensionType </loc:_openlrCircleLocationReferenceExtension>
  [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrCircleLocationReference">
  <xs:complexContent>
    <xs:extension base="loc:OpenlrAreaLocationReference">
      <xs:sequence>
        <xs:element name="openlrRadius" type="com:MetresAsNonNegativeInteger" minOccurs="1" maxOccurs="1"/>
        <xs:element name="openlrGeoCoordinate" type="loc:OpenlrGeoCoordinate"/>
        <xs:element name="_openlrCircleLocationReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: [OpenlrClosedLineLocationReference](#)

Super-types: [OpenlrAreaLocationReference](#) < [OpenlrClosedLineLocationReference](#) (by extension)
Sub-types: None

Name OpenlrClosedLineLocationReference
Abstract no
Documentation The OpenLR method of area definition by providing a closed path (i.e. a circuit) in the road network. The boundary always consists of road segments

XML Instance Representation

```
<...>
  <loc:_openlrAreaLocationReferenceExtension> com:_ExtensionType </loc:_openlrAreaLocationReferenceExtension> [0..1]
  <loc:openlrLocationReferencePoint> loc:OpenlrLocationReferencePoint </loc:openlrLocationReferencePoint> [1..*]
  <loc:openlrLastLine> loc:OpenlrLastLocationReferencePoint </loc:openlrLastLine> [1] ?
  <loc:_openlrClosedLineLocationReferenceExtension> com:_ExtensionType
  </loc:_openlrClosedLineLocationReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrClosedLineLocationReference">
  <xs:complexContent>
    <xs:extension base="loc:OpenlrAreaLocationReference">
      <xs:sequence>
        <xs:element name="openlrLocationReferencePoint" type="loc:OpenlrLocationReferencePoint"
          maxOccurs="unbounded"/>
        <xs:element name="openlrLastLine" type="loc:OpenlrLastLocationReferencePoint"/>
        <xs:element name="_openlrClosedLineLocationReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: [OpenlrGeoCoordinate](#)

Super-types: [OpenlrPointLocationReference](#) < [OpenlrGeoCoordinate](#) (by extension)
Sub-types: None

Name OpenlrGeoCoordinate
Abstract no
Documentation A geo-coordinate pair is a position in a map defined by its longitude and latitude coordinate values.

XML Instance Representation

```
<...>
  <loc:_openlrPointLocationReferenceExtension> com:_ExtensionType </loc:_openlrPointLocationReferenceExtension>
  [0..1]
  <loc:openlrCoordinates> loc:PointCoordinates </loc:openlrCoordinates> [1] ?
  <loc:_openlrGeoCoordinateExtension> com:_ExtensionType </loc:_openlrGeoCoordinateExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrGeoCoordinate">
  <xs:complexContent>
```

```

<xs:extension base="loc:OpenlrPointLocationReference">
  <xs:sequence>
    <xs:element name="openlrCoordinates" type="loc:PointCoordinates"/>
    <xs:element name="_openlrGeoCoordinateExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: OpenlrGridLocationReference

Super-types: [OpenlrAreaLocationReference](#) < OpenlrGridLocationReference (by extension)
 Sub-types: None

Name OpenlrGridLocationReference
Abstract no
Documentation Area defined using an OpenLR™ method consisting in defining it by a tessellation of rectangles

XML Instance Representation

```

<...>
  <loc:openlrAreaLocationReferenceExtension> com:_ExtensionType </loc:openlrAreaLocationReferenceExtension> [0..1]
  <loc:openlrNumColumns> com:NonNegativeInteger </loc:openlrNumColumns> [1] ?
  <loc:openlrNumRows> com:NonNegativeInteger </loc:openlrNumRows> [1] ?
  <loc:openlrRectangle> loc:OpenlrRectangle </loc:openlrRectangle> [1]
  <loc:_openlrGridLocationReferenceExtension> com:_ExtensionType </loc:_openlrGridLocationReferenceExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="OpenlrGridLocationReference">
  <xs:complexContent>
    <xs:extension base="loc:OpenlrAreaLocationReference">
      <xs:sequence>
        <xs:element name="openlrNumColumns" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
        <xs:element name="openlrNumRows" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
        <xs:element name="openlrRectangle" type="loc:OpenlrRectangle"/>
        <xs:element name="_openlrGridLocationReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: OpenlrLastLocationReferencePoint

Super-types: [OpenlrBaseReferencePoint](#) < OpenlrLastLocationReferencePoint (by extension)
 Sub-types: None

Name OpenlrLastLocationReferencePoint
Abstract no
Documentation The sequence of location reference points is terminated by a last location reference point.

XML Instance Representation

```

<...>
  <loc:openlrCoordinates> loc:PointCoordinates </loc:openlrCoordinates> [1] ?
  <loc:openlrLineAttributes> loc:OpenlrLineAttributes </loc:openlrLineAttributes> [1] ?
  <loc:openlrBaseReferencePointExtension> com:_ExtensionType </loc:openlrBaseReferencePointExtension> [0..1]
  <loc:_openlrLastLocationReferencePointExtension> com:_ExtensionType
  </loc:_openlrLastLocationReferencePointExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="OpenlrLastLocationReferencePoint">
  <xs:complexContent>
    <xs:extension base="loc:OpenlrBaseReferencePoint">
      <xs:sequence>
        <xs:element name="_openlrLastLocationReferencePointExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: OpenlrLineAttributes

Super-types: None
 Sub-types: None

Name OpenlrLineAttributes
Abstract no
Documentation Line attributes are part of a location reference point and consists of functional road class (FRC),form of way (FOW) and bearing (BEAR) data.

XML Instance Representation

```
<...>
  <loc:openlrFunctionalRoadClass> loc:_OpenlrFunctionalRoadClassEnum </loc:openlrFunctionalRoadClass> [1] ?
  <loc:openlrFormOfWay> loc:_OpenlrFormOfWayEnum </loc:openlrFormOfWay> [1] ?
  <loc:openlrBearing> com:AngleInDegrees </loc:openlrBearing> [1] ?
  <loc:_openlrLineAttributesExtension> com:_ExtensionType </loc:_openlrLineAttributesExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrLineAttributes">
  <xs:sequence>
    <xs:element name="openlrFunctionalRoadClass" type="loc:_OpenlrFunctionalRoadClassEnum" minOccurs="1"
      maxOccurs="1"/>
    <xs:element name="openlrFormOfWay" type="loc:_OpenlrFormOfWayEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="openlrBearing" type="com:AngleInDegrees" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_openlrLineAttributesExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **OpenlrLineLocationReference**

Super-types:	None
Sub-types:	None

Name	OpenlrLineLocationReference
<u>Abstract</u>	no
Documentation	A line location reference is defined by an ordered sequence of location reference points and a terminating last location reference point.

XML Instance Representation

```
<...>
  <loc:openlrLocationReferencePoint> loc:OpenlrLocationReferencePoint </loc:openlrLocationReferencePoint> [1..*]
  <loc:openlrLastLocationReferencePoint> loc:OpenlrLastLocationReferencePoint
</loc:openlrLastLocationReferencePoint> [1]
  <loc:openlrOffsets> loc:OpenlrOffsets </loc:openlrOffsets> [0..1] ?
  <loc:_openlrLineLocationReferenceExtension> com:_ExtensionType </loc:_openlrLineLocationReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrLineLocationReference">
  <xs:sequence>
    <xs:element name="openlrLocationReferencePoint" type="loc:OpenlrLocationReferencePoint" maxOccurs="unbounded"/>
    <xs:element name="openlrLastLocationReferencePoint" type="loc:OpenlrLastLocationReferencePoint"/>
    <xs:element name="openlrOffsets" type="loc:OpenlrOffsets" minOccurs="0"/>
    <xs:element name="_openlrLineLocationReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **OpenlrLinear**

Super-types:	None
Sub-types:	None

Name	OpenlrLinear
<u>Abstract</u>	no
Documentation	OpenLR line location reference

XML Instance Representation

```
<...>
  <loc:firstDirection> loc:OpenlrLineLocationReference </loc:firstDirection> [1] ?
  <loc:oppositeDirection> loc:OpenlrLineLocationReference </loc:oppositeDirection> [0..1] ?
  <loc:_openlrLinearExtension> com:_ExtensionType </loc:_openlrLinearExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrLinear">
  <xs:sequence>
    <xs:element name="firstDirection" type="loc:OpenlrLineLocationReference"/>
    <xs:element name="oppositeDirection" type="loc:OpenlrLineLocationReference" minOccurs="0"/>
    <xs:element name="_openlrLinearExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **OpenlrLocationReferencePoint**

Super-types:	OpenlrBaseReferencePoint < OpenlrLocationReferencePoint (by extension)
Sub-types:	None

Name	OpenlrLocationReferencePoint
<u>Abstract</u>	no

XML Instance Representation

```
<...>
  <loc:openlrCoordinates> loc:PointCoordinates </loc:openlrCoordinates> [1] ?
  <loc:openlrLineAttributes> loc:OpenlrLineAttributes </loc:openlrLineAttributes> [1] ?
  <loc:_openlrBaseReferencePointExtension> com:_ExtensionType </loc:_openlrBaseReferencePointExtension> [0..1]
  <loc:openlrPathAttributes> loc:OpenlrPathAttributes </loc:openlrPathAttributes> [1] ?
  <loc:_openlrLocationReferencePointExtension> com:_ExtensionType </loc:_openlrLocationReferencePointExtension>
  [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrLocationReferencePoint">
  <xs:complexContent>
    <xs:extension base="loc:OpenlrBaseReferencePoint">
      <xs:sequence>
        <xs:element name="openlrPathAttributes" type="loc:OpenlrPathAttributes"/>
        <xs:element name="_openlrLocationReferencePointExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)Complex Type: **OpenlrOffsets**

Super-types: None

Sub-types: None

Name OpenlrOffsets

Abstract no

Documentation Offsets are used to locate the start and end of a location more precisely than bounding to the nodes in a network.

XML Instance Representation

```
<...>
  <loc:openlrPositiveOffset> com:MetresAsNonNegativeInteger </loc:openlrPositiveOffset> [0..1] ?
  <loc:openlrNegativeOffset> com:MetresAsNonNegativeInteger </loc:openlrNegativeOffset> [0..1] ?
  <loc:_openlrOffsetsExtension> com:_ExtensionType </loc:_openlrOffsetsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrOffsets">
  <xs:sequence>
    <xs:element name="openlrPositiveOffset" type="com:MetresAsNonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="openlrNegativeOffset" type="com:MetresAsNonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_openlrOffsetsExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)Complex Type: **OpenlrPathAttributes**

Super-types: None

Sub-types: None

Name OpenlrPathAttributes

Abstract no

Documentation Properties of the path from the associated location reference point to the next location reference point, which are specified to assist correct identification of the point in an external map data source.

XML Instance Representation

```
<...>
  <loc:openlrLowestFrcToNextLRPoint> loc:_OpenlrFunctionalRoadClassEnum </loc:openlrLowestFrcToNextLRPoint> [1] ?
  <loc:openlrDistanceToNextLRPoint> com:NonNegativeInteger </loc:openlrDistanceToNextLRPoint> [1] ?
  <loc:_openlrPathAttributesExtension> com:_ExtensionType </loc:_openlrPathAttributesExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrPathAttributes">
  <xs:sequence>
    <xs:element name="openlrLowestFrcToNextLRPoint" type="loc:_OpenlrFunctionalRoadClassEnum" minOccurs="1"
      maxOccurs="1"/>
    <xs:element name="openlrDistanceToNextLRPoint" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_openlrPathAttributesExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)Complex Type: **OpenlrPoiWithAccessPoint**

Super-types: [OpenlrPointLocationReference](#) < [OpenlrBasePointLocation](#) (by extension) < **OpenlrPoiWithAccessPoint** (by extension)

Sub-types:	None
------------	------

Name	OpenlrPoiWithAccessPoint
Abstract	no
Documentation	A point of interest (POI) along a line with access is a point location which is defined by a linear reference path, an offset value (defining the access point) from the starting node of this path and a coordinate pair that defines the POI itself.

XML Instance Representation

```
<...>
  <loc:_openlrPointLocationReferenceExtension> com:_ExtensionType </loc:_openlrPointLocationReferenceExtension>
  [0..1]
  <loc:openlrSideOfRoad> loc:_OpenlrSideOfRoadEnum </loc:openlrSideOfRoad> [1] ?
  <loc:openlrOrientation> loc:_OpenlrOrientationEnum </loc:openlrOrientation> [1] ?
  <loc:openlrLocationReferencePoint> loc:OpenlrLocationReferencePoint </loc:openlrLocationReferencePoint> [1] ?
  <loc:openlrLastLocationReferencePoint> loc:OpenlrLastLocationReferencePoint
  </loc:openlrLastLocationReferencePoint> [1] ?
  <loc:openlrOffsets> loc:OpenlrOffsets </loc:openlrOffsets> [0..1] ?
  <loc:_openlrBasePointLocationExtension> com:_ExtensionType </loc:_openlrBasePointLocationExtension> [0..1]
  <loc:openlrCoordinates> loc:PointCoordinates </loc:openlrCoordinates> [1] ?
  <loc:_openlrPoiWithAccessPointExtension> com:_ExtensionType </loc:_openlrPoiWithAccessPointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrPoiWithAccessPoint">
  <xs:complexContent>
    <xs:extension base="loc:OpenlrBasePointLocation">
      <xs:sequence>
        <xs:element name="openlrCoordinates" type="loc:PointCoordinates"/>
        <xs:element name="_openlrPoiWithAccessPointExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: OpenlrPointAlongLine

Super-types:	OpenlrPointLocationReference < OpenlrBasePointLocation (by extension) < OpenlrPointAlongLine (by extension)
Sub-types:	None

Name	OpenlrPointAlongLine
Abstract	no
Documentation	Point along a line

XML Instance Representation

```
<...>
  <loc:_openlrPointLocationReferenceExtension> com:_ExtensionType </loc:_openlrPointLocationReferenceExtension>
  [0..1]
  <loc:openlrSideOfRoad> loc:_OpenlrSideOfRoadEnum </loc:openlrSideOfRoad> [1] ?
  <loc:openlrOrientation> loc:_OpenlrOrientationEnum </loc:openlrOrientation> [1] ?
  <loc:openlrLocationReferencePoint> loc:OpenlrLocationReferencePoint </loc:openlrLocationReferencePoint> [1] ?
  <loc:openlrLastLocationReferencePoint> loc:OpenlrLastLocationReferencePoint
  </loc:openlrLastLocationReferencePoint> [1] ?
  <loc:openlrOffsets> loc:OpenlrOffsets </loc:openlrOffsets> [0..1] ?
  <loc:_openlrBasePointLocationExtension> com:_ExtensionType </loc:_openlrBasePointLocationExtension> [0..1]
  <loc:_openlrPointAlongLineExtension> com:_ExtensionType </loc:_openlrPointAlongLineExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrPointAlongLine">
  <xs:complexContent>
    <xs:extension base="loc:OpenlrBasePointLocation">
      <xs:sequence>
        <xs:element name="_openlrPointAlongLineExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: OpenlrPointLocationReference

Super-types:	None
Sub-types:	OpenlrBasePointLocation (by extension) OpenlrPointAlongLine (by extension) OpenlrPoiWithAccessPoint (by extension) OpenlrGeoCoordinate (by extension)

Name	OpenlrPointLocationReference
Abstract	yes
Documentation	A point location is a zero-dimensional element in a map that specifies a geometric location.

XML Instance Representation

```
<...>
```

```
<loc:openlrPointLocationReferenceExtension> com: _ExtensionType </loc:_openlrPointLocationReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrPointLocationReference" abstract="true">
  <xs:sequence>
    <xs:element name="_openlrPointLocationReferenceExtension" type="com: _ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: OpenlrPolygonCorners

Super-types: None
Sub-types: None

Name OpenlrPolygonCorners
Abstract no
Documentation A geodetic coordinate Tuple that defines the vertices of the underlying geometrical polygon.

XML Instance Representation

```
<...>
  <loc:openlrCoordinates> loc:PointCoordinates </loc:openlrCoordinates> [3..*] ?
  <loc:_openlrPolygonCornersExtension> com: _ExtensionType </loc:_openlrPolygonCornersExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrPolygonCorners">
  <xs:sequence>
    <xs:element name="openlrCoordinates" type="loc:PointCoordinates" minOccurs="3" maxOccurs="unbounded"/>
    <xs:element name="_openlrPolygonCornersExtension" type="com: _ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: OpenlrPolygonLocationReference

Super-types: [OpenlrAreaLocationReference](#) < OpenlrPolygonLocationReference (by extension)
Sub-types: None

Name OpenlrPolygonLocationReference
Abstract no
Documentation The OpenLR method of area definition by providing points that bound the area

XML Instance Representation

```
<...>
  <loc:_openlrAreaLocationReferenceExtension> com: _ExtensionType </loc:_openlrAreaLocationReferenceExtension> [0..1]
  <loc:openlrPolygonCorners> loc:OpenlrPolygonCorners </loc:openlrPolygonCorners> [1]
  <loc:_openlrPolygonLocationReferenceExtension> com: _ExtensionType </loc:_openlrPolygonLocationReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrPolygonLocationReference">
  <xs:complexContent>
    <xs:extension base="loc:OpenlrAreaLocationReference">
      <xs:sequence>
        <xs:element name="openlrPolygonCorners" type="loc:OpenlrPolygonCorners"/>
        <xs:element name="_openlrPolygonLocationReferenceExtension" type="com: _ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: OpenlrRectangle

Super-types: None
Sub-types: None

Name OpenlrRectangle
Abstract no
Documentation Area delimited by a rectangle defined by the geodetic co-ordinates of the two ends of its diagonal from south-west to north-east (the rectangle having two sides that are parallel to lines of latitude)

XML Instance Representation

```
<...>
  <loc:openlrLowerLeft> loc:PointCoordinates </loc:openlrLowerLeft> [1] ?
  <loc:openlrUpperRight> loc:PointCoordinates </loc:openlrUpperRight> [1] ?
  <loc:_openlrRectangleExtension> com: _ExtensionType </loc:_openlrRectangleExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrRectangle">
  <xs:sequence>
    <xs:element name="openlrLowerLeft" type="loc:PointCoordinates"/>
    <xs:element name="openlrUpperRight" type="loc:PointCoordinates"/>
    <xs:element name="_openlrRectangleExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **OpenlrRectangleLocationReference**

Super-types:	OpenlrAreaLocationReference < OpenlrRectangleLocationReference (by extension)
Sub-types:	None

Name	OpenlrRectangleLocationReference
Abstract	no
Documentation	The openLR method of area definition by providing a rectangular shape defined by two geo-coordinate pairs

XML Instance Representation

```
<...>
  <loc:_openlrAreaLocationReferenceExtension> com:_ExtensionType </loc:_openlrAreaLocationReferenceExtension> [0..1]
  <loc:openlrRectangle> loc:OpenlrRectangle </loc:openlrRectangle> [1]
  <loc:_openlrRectangleLocationReferenceExtension> com:_ExtensionType
</loc:_openlrRectangleLocationReferenceExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OpenlrRectangleLocationReference">
  <xs:complexContent>
    <xs:extension base="loc:OpenlrAreaLocationReference">
      <xs:sequence>
        <xs:element name="openlrRectangle" type="loc:OpenlrRectangle"/>
        <xs:element name="_openlrRectangleLocationReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **PercentageDistanceAlongLinearElement**

Super-types:	DistanceAlongLinearElement < PercentageDistanceAlongLinearElement (by extension)
Sub-types:	None

Name	PercentageDistanceAlongLinearElement
Abstract	no
Documentation	Distance of a point along a linear element measured from the start node expressed as a percentage of the whole length of the linear element, where start node is relative to the element definition rather than the direction of traffic flow.

XML Instance Representation

```
<...>
  <loc:_distanceAlongLinearElementExtension> com:_ExtensionType </loc:_distanceAlongLinearElementExtension> [0..1]
  <loc:percentageDistanceAlong> com:Percentage </loc:percentageDistanceAlong> [1] ?
  <loc:_percentageDistanceAlongLinearElementExtension> com:_ExtensionType
</loc:_percentageDistanceAlongLinearElementExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PercentageDistanceAlongLinearElement">
  <xs:complexContent>
    <xs:extension base="loc:DistanceAlongLinearElement">
      <xs:sequence>
        <xs:element name="percentageDistanceAlong" type="com:Percentage" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_percentageDistanceAlongLinearElementExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **PointAlongLinearElement**

Super-types:	None
Sub-types:	None

Name	PointAlongLinearElement
Abstract	no
Documentation	A point on a linear element where the linear element is either a part of or the whole of a linear object (i.e. a road), consistent with EN ISO 19148 definitions.

XML Instance Representation

```

<...>
<loc:administrativeAreaOfPoint> com:MultilingualString </loc:administrativeAreaOfPoint> [0..1] ?
<loc:directionAtPoint> loc:_DirectionEnum </loc:directionAtPoint> [0..1] ?
<loc:directionRelativeAtPoint> loc:_LinearDirectionEnum </loc:directionRelativeAtPoint> [0..1] ?
<loc:heightGradeOfPoint> loc:_HeightGradeEnum </loc:heightGradeOfPoint> [0..1] ?
<loc:linearElement> loc:LinearElement </loc:linearElement> [1]
<loc:distanceAlongLinearElement> loc:DistanceAlongLinearElement </loc:distanceAlongLinearElement> [1]
<loc:_pointAlongLinearElementExtension> com:_ExtensionType </loc:_pointAlongLinearElementExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="PointAlongLinearElement">
  <xs:sequence>
    <xs:element name="administrativeAreaOfPoint" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="directionAtPoint" type="loc:_DirectionEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="directionRelativeAtPoint" type="loc:_LinearDirectionEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="heightGradeOfPoint" type="loc:_HeightGradeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="linearElement" type="loc:LinearElement"/>
    <xs:element name="distanceAlongLinearElement" type="loc:DistanceAlongLinearElement"/>
    <xs:element name="_pointAlongLinearElementExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: PointByCoordinates

Super-types: None
Sub-types: None

Name PointByCoordinates
Abstract no
Documentation A single point defined only by a coordinate set with an optional bearing direction.

XML Instance Representation

```

<...>
<loc:bearing> com:AngleInDegrees </loc:bearing> [0..1] ?
<loc:pointCoordinates> loc:PointCoordinates </loc:pointCoordinates> [1]
<loc:_pointByCoordinatesExtension> com:_ExtensionType </loc:_pointByCoordinatesExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="PointByCoordinates">
  <xs:sequence>
    <xs:element name="bearing" type="com:AngleInDegrees" minOccurs="0" maxOccurs="1"/>
    <xs:element name="pointCoordinates" type="loc:PointCoordinates"/>
    <xs:element name="_pointByCoordinatesExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: PointCoordinates

Super-types: None
Sub-types: None

Name PointCoordinates
Abstract no
Documentation A pair of planar coordinates defining the geodetic position of a single point using the European Terrestrial Reference System 1989 (ETRS89).

XML Instance Representation

```

<...>
<loc:latitude> com:Float </loc:latitude> [1] ?
<loc:longitude> com:Float </loc:longitude> [1] ?
<loc:heightCoordinate> loc:HeightCoordinate </loc:heightCoordinate> [0..3]
<loc:positionConfidenceEllipse> loc:PositionConfidenceEllipse </loc:positionConfidenceEllipse> [0..1]
<loc:horizontalPositionAccuracy> loc:PositionAccuracy </loc:horizontalPositionAccuracy> [0..1] ?
<loc:_pointCoordinatesExtension> com:_ExtensionType </loc:_pointCoordinatesExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="PointCoordinates">
  <xs:sequence>
    <xs:element name="latitude" type="com:Float" minOccurs="1" maxOccurs="1"/>
    <xs:element name="longitude" type="com:Float" minOccurs="1" maxOccurs="1"/>
    <xs:element name="heightCoordinate" type="loc:HeightCoordinate" minOccurs="0" maxOccurs="3"/>
    <xs:element name="positionConfidenceEllipse" type="loc:PositionConfidenceEllipse" minOccurs="0"/>
    <xs:element name="horizontalPositionAccuracy" type="loc:PositionAccuracy" minOccurs="0"/>
    <xs:element name="_pointCoordinatesExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: PointDestination

Super-types: [Destination](#) < [PointDestination](#) (by extension)

Sub-types: None

Name [PointDestination](#)

Abstract no

Documentation The specification of the destination of a defined route or itinerary which is a point.

XML Instance Representation

```
<...>
  <loc:destinationExtension> com:_ExtensionType </loc:destinationExtension> [0..1]
  <loc:pointLocation> loc:PointLocation </loc:pointLocation> [1]
  <loc:pointDestinationExtension> com:_ExtensionType </loc:pointDestinationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PointDestination">
  <xs:complexContent>
    <xs:extension base="loc:Destination">
      <xs:sequence>
        <xs:element name="pointLocation" type="loc:PointLocation"/>
        <xs:element name="_pointDestinationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: [PointLocation](#)

Super-types: [LocationReference](#) < [Location](#) (by extension) < [NetworkLocation](#) (by extension) < [PointLocation](#) (by extension)

Sub-types: None

Name [PointLocation](#)

Abstract no

Documentation Location representing a single geospatial point.

XML Instance Representation

```
<...>
  <loc:locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:locationReferenceExtension> [0..1]
  <loc:externalReferencing> loc:ExternalReferencing </loc:externalReferencing> [0..*]
  <loc:coordinatesForDisplay> loc:PointCoordinates </loc:coordinatesForDisplay> [0..1] ?
  <loc:locationExtension> com:_ExtensionType </loc:locationExtension> [0..1]
  <loc:supplementaryPositionalDescription> loc:SupplementaryPositionalDescription
</loc:supplementaryPositionalDescription> [0..1]
  <loc:destination> loc:Destination </loc:destination> [0..1]
  <loc:networkLocationExtension> com:_ExtensionType </loc:networkLocationExtension> [0..1]
  <loc:pointByCoordinates> loc:PointByCoordinates </loc:pointByCoordinates> [0..1]
  <loc:pointAlongLinearElement> loc:PointAlongLinearElement </loc:pointAlongLinearElement> [0..*]
  <loc>alertCPoint> loc:AlertCPoint </loc>alertCPoint> [0..*] ?
  <loc:tpegPointLocation> loc:TpegPointLocation </loc:tpegPointLocation> [0..1]
  <loc:openlrPointLocationReference> loc:OpenlrPointLocationReference </loc:openlrPointLocationReference> [0..1]
  <loc:_pointLocationExtension> com:_ExtensionType </loc:_pointLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PointLocation">
  <xs:complexContent>
    <xs:extension base="loc:NetworkLocation">
      <xs:sequence>
        <xs:element name="pointByCoordinates" type="loc:PointByCoordinates" minOccurs="0"/>
        <xs:element name="pointAlongLinearElement" type="loc:PointAlongLinearElement" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element name="alertCPoint" type="loc:AlertCPoint" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="tpegPointLocation" type="loc:TpegPointLocation" minOccurs="0"/>
        <xs:element name="openlrPointLocationReference" type="loc:OpenlrPointLocationReference" minOccurs="0"/>
        <xs:element name="_pointLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: [PositionAccuracy](#)

Super-types: None

Sub-types: None

Name [PositionAccuracy](#)

Abstract no

Documentation Horizontal position accuracy parameters defined according to EN 16803-1

XML Instance Representation

```
<...>
  <loc:accuracyPercentile50> com:MetresAsFloat </loc:accuracyPercentile50> [0..1] ?
  <loc:accuracyPercentile75> com:MetresAsFloat </loc:accuracyPercentile75> [0..1] ?
  <loc:accuracyPercentile95> com:MetresAsFloat </loc:accuracyPercentile95> [0..1] ?
</...>
```

```
<loc:_positionAccuracyExtension> com:_ExtensionType </loc:_positionAccuracyExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PositionAccuracy">
  <xs:sequence>
    <xs:element name="accuracyPercentile50" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="accuracyPercentile75" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="accuracyPercentile95" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_positionAccuracyExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: PositionConfidenceEllipse

Super-types: None
Sub-types: None

Name PositionConfidenceEllipse

Abstract no

Documentation Confidence ellipse position defined in a shape of ellipse with a predefined confidence level (e.g. 95 %). The centre of the ellipse shape corresponds to the reference position point for which the position accuracy is evaluated.

XML Instance Representation

```
<...>
  <loc:semiMajorAxisLength> com:MetresAsFloat </loc:semiMajorAxisLength> [0..1] ?
  <loc:semiMajorAxisLengthCodedError> loc:_PositionConfidenceCodedErrorEnum </loc:semiMajorAxisLengthCodedError>
  [0..1] ?
  <loc:semiMinorAxisLength> com:MetresAsFloat </loc:semiMinorAxisLength> [0..1] ?
  <loc:semiMinorAxisLengthCodedError> loc:_PositionConfidenceCodedErrorEnum </loc:semiMinorAxisLengthCodedError>
  [0..1] ?
  <loc:semiMajorAxisOrientation> com:AngleInDegrees </loc:semiMajorAxisOrientation> [0..1] ?
  <loc:semiMajorAxisOrientationError> com:Boolean </loc:semiMajorAxisOrientationError> [0..1] ?
  <loc:_positionConfidenceEllipseExtension> com:_ExtensionType </loc:_positionConfidenceEllipseExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PositionConfidenceEllipse">
  <xs:sequence>
    <xs:element name="semiMajorAxisLength" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="semiMajorAxisLengthCodedError" type="loc:_PositionConfidenceCodedErrorEnum" minOccurs="0"
    maxOccurs="1"/>
    <xs:element name="semiMinorAxisLength" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="semiMinorAxisLengthCodedError" type="loc:_PositionConfidenceCodedErrorEnum" minOccurs="0"
    maxOccurs="1"/>
    <xs:element name="semiMajorAxisOrientation" type="com:AngleInDegrees" minOccurs="0" maxOccurs="1"/>
    <xs:element name="semiMajorAxisOrientationError" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_positionConfidenceEllipseExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: Referent

Super-types: None
Sub-types: None

Name Referent

Abstract no

Documentation A referent on a linear object that has a known location such as a node, a reference marker (e.g. a marker-post), an intersection etc.

XML Instance Representation

```
<...>
  <loc:referentIdentifier> com:String </loc:referentIdentifier> [1] ?
  <loc:referentName> com:String </loc:referentName> [0..1] ?
  <loc:referentType> loc:_ReferentTypeEnum </loc:referentType> [1] ?
  <loc:referentDescription> com:MultilingualString </loc:referentDescription> [0..1] ?
  <loc:pointCoordinates> loc:PointCoordinates </loc:pointCoordinates> [0..1]
  <loc:_referentExtension> com:_ExtensionType </loc:_referentExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Referent">
  <xs:sequence>
    <xs:element name="referentIdentifier" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="referentName" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="referentType" type="loc:_ReferentTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="referentDescription" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="pointCoordinates" type="loc:PointCoordinates" minOccurs="0"/>
    <xs:element name="_referentExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: RoadInformation

Super-types:	None
Sub-types:	None
Name	RoadInformation
Abstract	no
Documentation	Information on a road
XML Instance Representation	
<pre><....> <loc:roadDestination> com:String </loc:roadDestination> [0..1] ? <loc:roadName> com:String </loc:roadName> [0..1] ? <loc:roadNumber> com:String </loc:roadNumber> [0..1] ? <loc:_roadInformationExtension> com:_ExtensionType </loc:_roadInformationExtension> [0..1] </....></pre>	
Schema Component Representation	
<pre><xs:complexType name="RoadInformation"> <xs:sequence> <xs:element name="roadDestination" type="com:String" minOccurs="0" maxOccurs="1"/> <xs:element name="roadName" type="com:String" minOccurs="0" maxOccurs="1"/> <xs:element name="roadNumber" type="com:String" minOccurs="0" maxOccurs="1"/> <xs:element name="_roadInformationExtension" type="com:_ExtensionType" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>	

[top](#)

Complex Type: SingleRoadLinearLocation

Super-types:	LocationReference < Location (by extension) < NetworkLocation (by extension) < LinearLocation (by extension) < SingleRoadLinearLocation (by extension)
Sub-types:	None
Name	SingleRoadLinearLocation
Abstract	no
Documentation	Location representing a linear section along a single road with optional directionality defined between two points on the same road. No matter the kind of linear reference it uses, the constraint of using only a single road must be preserved.
XML Instance Representation	
<pre><....> <loc:locationReferenceExtension> loc:_LocationReferenceExtensionType </loc:locationReferenceExtension> [0..1] <loc:externalReferencing> loc:ExternalReferencing </loc:externalReferencing> [0..*] <loc:coordinatesForDisplay> loc:PointCoordinates </loc:coordinatesForDisplay> [0..1] ? <loc:_locationExtension> com:_ExtensionType </loc:_locationExtension> [0..1] <loc:supplementaryPositionalDescription> loc:SupplementaryPositionalDescription </loc:supplementaryPositionalDescription> [0..1] <loc:destination> loc:Destination </loc:destination> [0..1] <loc:networkLocationExtension> com:_ExtensionType </loc:networkLocationExtension> [0..1] <loc:openlrLinear> loc:OpenlrLinear </loc:openlrLinear> [0..1] <loc:gmlLineString> loc:GmlLineString </loc:gmlLineString> [0..1] <loc:secondarySupplementaryDescription> loc:SupplementaryPositionalDescription </loc:secondarySupplementaryDescription> [0..1] ? <loc:linearLocationExtension> com:_ExtensionType </loc:linearLocationExtension> [0..1] <loc:tpegLinearLocation> loc:TpegLinearLocation </loc:tpegLinearLocation> [0..1] <loc>alertCLinear> loc:AlertCLinear </loc>alertCLinear> [0..*] ? <loc:linearWithinLinearElement> loc:LinearWithinLinearElement </loc:linearWithinLinearElement> [0..*] <loc:_singleRoadLinearLocationExtension> com:_ExtensionType </loc:_singleRoadLinearLocationExtension> [0..1] </....></pre>	
Schema Component Representation	
<pre><xs:complexType name="SingleRoadLinearLocation"> <xs:complexContent> <xs:extension base="loc:LinearLocation"> <xs:sequence> <xs:element name="tpegLinearLocation" type="loc:TpegLinearLocation" minOccurs="0"/> <xs:element name="alertCLinear" type="loc:AlertCLinear" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="linearWithinLinearElement" type="loc:LinearWithinLinearElement" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="_singleRoadLinearLocationExtension" type="com:_ExtensionType" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>	

[top](#)

Complex Type: SupplementaryPositionalDescription

Super-types:	None
Sub-types:	None
Name	SupplementaryPositionalDescription
Abstract	no
Documentation	A collection of supplementary positional information which improves the precision of the location.

XML Instance Representation

```
<...  
  locationPrecision="com:MetresAsNonNegativeInteger [0..1] ?">  
    <loc:directionPurpose> loc:_DirectionPurposeEnum </loc:directionPurpose> [0..1] ?  
    <loc:geographicDescriptor> loc:_GeographicCharacteristicEnum </loc:geographicDescriptor> [0..1] ?  
    <loc:infrastructureDescriptor> loc:_InfrastructureDescriptorEnum </loc:infrastructureDescriptor> [0..1] ?  
    <loc:lengthAffected> com:MetresAsFloat </loc:lengthAffected> [0..1] ?  
    <loc:locationDescription> com:MultilingualString </loc:locationDescription> [0..1] ?  
    <loc:positionOnCarriageway> loc:_RelativePositionOnCarriagewayEnum </loc:positionOnCarriageway> [0..1] ?  
    <loc:sequentialRampNumber> com:NonNegativeInteger </loc:sequentialRampNumber> [0..1] ?  
    <loc:carriageway> loc:Carriageway </loc:carriageway> [0..*]  
    <loc:namedArea> loc:NamedArea </loc:namedArea> [0..1]  
    <loc:roadInformation> loc:RoadInformation </loc:roadInformation> [0..*] ?  
    <loc:_supplementaryPositionalDescriptionExtension> loc:_SupplementaryPositionalDescriptionExtensionType  
    </loc:_supplementaryPositionalDescriptionExtension> [0..1]  
  </...>
```

Schema Component Representation

```
<xs:complexType name="SupplementaryPositionalDescription">  
  <xs:sequence>  
    <xs:element name="directionPurpose" type="loc:_DirectionPurposeEnum" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="geographicDescriptor" type="loc:_GeographicCharacteristicEnum" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="infrastructureDescriptor" type="loc:_InfrastructureDescriptorEnum" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="lengthAffected" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="locationDescription" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="positionOnCarriageway" type="loc:_RelativePositionOnCarriagewayEnum" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="sequentialRampNumber" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="carriageway" type="loc:Carriageway" minOccurs="0" maxOccurs="unbounded"/>  
    <xs:element name="namedArea" type="loc:NamedArea" minOccurs="0"/>  
    <xs:element name="roadInformation" type="loc:RoadInformation" minOccurs="0" maxOccurs="unbounded"/>  
    <xs:element name="_supplementaryPositionalDescriptionExtension" type="loc:_SupplementaryPositionalDescriptionExtensionType" minOccurs="0"/>  
  </xs:sequence>  
  <xs:attribute name="locationPrecision" type="com:MetresAsNonNegativeInteger" use="optional"/>  
</xs:complexType>
```

[top](#)

Complex Type: TpegAreaDescriptor

Super-types: [TpegDescriptor](#) < TpegAreaDescriptor (by extension)

Sub-types: None

Name TpegAreaDescriptor
Abstract no
Documentation A descriptor for describing an area location.

XML Instance Representation

```
<...>  
  <loc:descriptor> com:MultilingualString </loc:descriptor> [1] ?  
  <loc:_tpegDescriptorExtension> com:_ExtensionType </loc:_tpegDescriptorExtension> [0..1]  
  <loc:tpegAreaDescriptorType> loc:_TpegLoc03AreaDescriptorSubtypeEnum </loc:tpegAreaDescriptorType> [1] ?  
  <loc:_tpegAreaDescriptorExtension> com:_ExtensionType </loc:_tpegAreaDescriptorExtension> [0..1]  
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegAreaDescriptor">  
  <xs:complexContent>  
    <xs:extension base="loc:TpegDescriptor">  
      <xs:sequence>  
        <xs:element name="tpegAreaDescriptorType" type="loc:_TpegLoc03AreaDescriptorSubtypeEnum" minOccurs="1" maxOccurs="1"/>  
        <xs:element name="_tpegAreaDescriptorExtension" type="com:_ExtensionType" minOccurs="0"/>  
      </xs:sequence>  
    </xs:extension>  
  </xs:complexContent>  
</xs:complexType>
```

[top](#)

Complex Type: TpegAreaLocation

Super-types: None

Sub-types:

- [TpegGeometricArea](#) (by extension)
- [TpegNamedOnlyArea](#) (by extension)

Name TpegAreaLocation
Abstract yes
Documentation A geographic or geometric area defined by a TPEG-Loc structure which may include height information for additional geospatial discrimination.

XML Instance Representation

```
<...>  
  <loc:tpegAreaLocationType> loc:_TpegLoc01AreaLocationSubtypeEnum </loc:tpegAreaLocationType> [1] ?  
  <loc:tpegHeight> loc:TpegHeight </loc:tpegHeight> [0..1]  
  <loc:_tpegAreaLocationExtension> com:_ExtensionType </loc:_tpegAreaLocationExtension> [0..1]  
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegAreaLocation" abstract="true">
  <xs:sequence>
    <xs:element name="tpegAreaLocationType" type="loc:_TpegLoc01AreaLocationSubtypeEnum" minOccurs="1"
      maxOccurs="1"/>
    <xs:element name="tpegHeight" type="loc:TpegHeight" minOccurs="0"/>
    <xs:element name="_tpegAreaLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: TpegDescriptor

Super-types:	None
Sub-types:	• TpegAreaDescriptor (by extension) • TpegPointDescriptor (by extension) ◦ TpegIlcPointDescriptor (by extension) ◦ TpegJunctionPointDescriptor (by extension) ◦ TpegOtherPointDescriptor (by extension)
Name	TpegDescriptor
Abstract	yes
Documentation	A collection of information providing descriptive references to locations using the TPEG-Loc location referencing approach.

XML Instance Representation

```
<...>
  <loc:descriptor> com:MultilingualString </loc:descriptor> [1] ?
  <loc:_tpegDescriptorExtension> com:_ExtensionType </loc:_tpegDescriptorExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegDescriptor" abstract="true">
  <xs:sequence>
    <xs:element name="descriptor" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_tpegDescriptorExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: TpegFramedPoint

Super-types:	TpegPointLocation < TpegFramedPoint (by extension)
Sub-types:	None
Name	TpegFramedPoint
Abstract	no
Documentation	A point on the road network which is framed between two other points on the same road.

XML Instance Representation

```
<...>
  <loc:tpegDirection> loc:_DirectionEnum </loc:tpegDirection> [1] ?
  <loc:_tpegPointLocationExtension> com:_ExtensionType </loc:_tpegPointLocationExtension> [0..1]
  <loc:tpegFramedPointLocationType> loc:_TpegLoc01FramedPointLocationSubtypeEnum </loc:tpegFramedPointLocationType> [1] ?
  <loc:framedPoint> loc:TpegNonJunctionPoint </loc:framedPoint> [1] ?
  <loc:to> loc:TpegPoint </loc:to> [1] ?
  <loc:from> loc:TpegPoint </loc:from> [1] ?
  <loc:_tpegFramedPointExtension> com:_ExtensionType </loc:_tpegFramedPointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegFramedPoint">
  <xs:complexContent>
    <xs:extension base="loc:TpegPointLocation">
      <xs:sequence>
        <xs:element name="tpegFramedPointLocationType" type="loc:_TpegLoc01FramedPointLocationSubtypeEnum"
          minOccurs="1" maxOccurs="1"/>
        <xs:element name="framedPoint" type="loc:TpegNonJunctionPoint"/>
        <xs:element name="to" type="loc:TpegPoint"/>
        <xs:element name="from" type="loc:TpegPoint"/>
        <xs:element name="_tpegFramedPointExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: TpegGeometricArea

Super-types:	TpegAreaLocation < TpegGeometricArea (by extension)
Sub-types:	None

Name	TpegGeometricArea
Abstract	no
Documentation	A geometric area defined by a centre point and a radius.

XML Instance Representation

```
<...>
  <loc:tpegAreaLocationType> loc:_TpegLoc01AreaLocationSubtypeEnum </loc:tpegAreaLocationType> [1] ?
  <loc:tpegHeight> loc:TpegHeight </loc:tpegHeight> [0..1]
  <loc:tpegAreaLocationExtension> com:_ExtensionType </loc:tpegAreaLocationExtension> [0..1]
  <loc:radius> com:MetresAsNonNegativeInteger </loc:radius> [1] ?
  <loc:centrePoint> loc:PointCoordinates </loc:centrePoint> [1] ?
  <loc:name> loc:TpegAreaDescriptor </loc:name> [0..1] ?
  <loc:_tpegGeometricAreaExtension> com:_ExtensionType </loc:_tpegGeometricAreaExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegGeometricArea">
  <xs:complexContent>
    <xs:extension base="loc:TpegAreaLocation">
      <xs:sequence>
        <xs:element name="radius" type="com:MetresAsNonNegativeInteger" minOccurs="1" maxOccurs="1"/>
        <xs:element name="centrePoint" type="loc:PointCoordinates"/>
        <xs:element name="name" type="loc:TpegAreaDescriptor" minOccurs="0"/>
        <xs:element name="_tpegGeometricAreaExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: TpegHeight

Super-types:	None
Sub-types:	None

Name	TpegHeight
Abstract	no
Documentation	Height information which provides additional discrimination for the applicable area.

XML Instance Representation

```
<...>
  <loc:height> com:MetresAsFloat </loc:height> [0..1] ?
  <loc:heightType> loc:_TpegLoc04HeightTypeEnum </loc:heightType> [1] ?
  <loc:_tpegHeightExtension> com:_ExtensionType </loc:_tpegHeightExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegHeight">
  <xs:sequence>
    <xs:element name="height" type="com:MetresAsFloat" minOccurs="0" maxOccurs="1"/>
    <xs:element name="heightType" type="loc:_TpegLoc04HeightTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_tpegHeightExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: TpegIlcPointDescriptor

Super-types:	TpegDescriptor < TpegPointDescriptor (by extension) < TpegIlcPointDescriptor (by extension)
Sub-types:	None

Name	TpegIlcPointDescriptor
Abstract	no
Documentation	A descriptor for describing a junction by defining the intersecting roads.

XML Instance Representation

```
<...>
  <loc:descriptor> com:MultilingualString </loc:descriptor> [1] ?
  <loc:tpegDescriptorExtension> com:_ExtensionType </loc:tpegDescriptorExtension> [0..1]
  <loc:tpegPointDescriptorExtension> com:_ExtensionType </loc:tpegPointDescriptorExtension> [0..1]
  <loc:tpegIlcPointDescriptorType> loc:_TpegLoc03IlcPointDescriptorSubtypeEnum </loc:tpegIlcPointDescriptorType> [1] ?
  <loc:_tpegIlcPointDescriptorExtension> com:_ExtensionType </loc:_tpegIlcPointDescriptorExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegIlcPointDescriptor">
  <xs:complexContent>
    <xs:extension base="loc:TpegPointDescriptor">
      <xs:sequence>
        <xs:element name="tpegIlcPointDescriptorType" type="loc:_TpegLoc03IlcPointDescriptorSubtypeEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_tpegIlcPointDescriptorExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```
</xs:complexType>
```

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Complex Type: TpegJunction

Super-types: [TpegPoint](#) < TpegJunction (by extension)

Sub-types: None

Name TpegJunction

Abstract no

Documentation A point on the road network which is a road junction point.

XML Instance Representation

```
<...>
  <loc:_tpgJunctionExtension> com:_ExtensionType </loc:_tpgJunctionExtension> [0..1]
  <loc:pointCoordinates> loc:PointCoordinates </loc:pointCoordinates> [1]
  <loc:name> loc:TpegJunctionPointDescriptor </loc:name> [0..1] ?
  <loc:ilc> loc:TpegIlcPointDescriptor </loc:ilc> [1..3] ?
  <loc:otherName> loc:TpegOtherPointDescriptor </loc:otherName> [0..*] ?
  <loc:_tpgJunctionExtension> com:_ExtensionType </loc:_tpgJunctionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegJunction">
  <xs:complexContent>
    <xs:extension base="loc:TpegPoint">
      <xs:sequence>
        <xs:element name="pointCoordinates" type="loc:PointCoordinates"/>
        <xs:element name="name" type="loc:TpegJunctionPointDescriptor" minOccurs="0"/>
        <xs:element name="ilc" type="loc:TpegIlcPointDescriptor" maxOccurs="3"/>
        <xs:element name="otherName" type="loc:TpegOtherPointDescriptor" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_tpgJunctionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: TpegJunctionPointDescriptor

Super-types: [TpegDescriptor](#) < [TpegPointDescriptor](#) (by extension) < TpegJunctionPointDescriptor (by extension)

Sub-types: None

Name TpegJunctionPointDescriptor

Abstract no

Documentation A descriptor for describing a point at a junction on a road network.

XML Instance Representation

```
<...>
  <loc:descriptor> com:MultilingualString </loc:descriptor> [1] ?
  <loc:_tpgDescriptorExtension> com:_ExtensionType </loc:_tpgDescriptorExtension> [0..1]
  <loc:_tpgPointDescriptorExtension> com:_ExtensionType </loc:_tpgPointDescriptorExtension> [0..1]
  <loc:_tpgJunctionPointDescriptorType> loc:_TpegLoc03JunctionPointDescriptorSubtypeEnum
  </loc:_tpgJunctionPointDescriptorType> [1] ?
  <loc:_tpgJunctionPointDescriptorExtension> com:_ExtensionType </loc:_tpgJunctionPointDescriptorExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegJunctionPointDescriptor">
  <xs:complexContent>
    <xs:extension base="loc:TpegPointDescriptor">
      <xs:sequence>
        <xs:element name="tpgJunctionPointDescriptorType" type="loc:_TpegLoc03JunctionPointDescriptorSubtypeEnum"
          minOccurs="1" maxOccurs="1"/>
        <xs:element name="_tpgJunctionPointDescriptorExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: TpegLinearLocation

Super-types: None

Sub-types: None

Name TpegLinearLocation

Abstract no

Documentation A linear section along a single road defined between two points on the same road by a TPEG-Loc structure.

XML Instance Representation

```
<...>
  <loc:tpgDirection> loc:_DirectionEnum </loc:tpgDirection> [1] ?
</...>
```

```
<loc:tpegLinearLocationType> loc:_TpegLoc01LinearLocationSubtypeEnum </loc:tpegLinearLocationType> [1] ?
<loc:to> loc:TpegPoint </loc:to> [1] ?
<loc:from> loc:TpegPoint </loc:from> [1] ?
<loc:_tpegLinearLocationExtension> com:_ExtensionType </loc:_tpegLinearLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegLinearLocation">
  <xs:sequence>
    <xs:element name="tpegDirection" type="loc:_DirectionEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="tpegLinearLocationType" type="loc:_TpegLoc01LinearLocationSubtypeEnum" minOccurs="1"
      maxOccurs="1"/>
    <xs:element name="to" type="loc:TpegPoint"/>
    <xs:element name="from" type="loc:TpegPoint"/>
    <xs:element name="_tpegLinearLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: TpegNamedOnlyArea

Super-types: [TpegAreaLocation](#) < TpegNamedOnlyArea (by extension)
Sub-types: None

Name	TpegNamedOnlyArea
Abstract	no
Documentation	An area defined by a well-known name.

XML Instance Representation

```
<...>
<loc:tpegAreaLocationType> loc:_TpegLoc01AreaLocationSubtypeEnum </loc:tpegAreaLocationType> [1] ?
<loc:tpegHeight> loc:TpegHeight </loc:tpegHeight> [0..1]
<loc:_tpegAreaLocationExtension> com:_ExtensionType </loc:_tpegAreaLocationExtension> [0..1]
<loc:name> loc:TpegAreaDescriptor </loc:name> [1..*] ?
<loc:_tpegNamedOnlyAreaExtension> com:_ExtensionType </loc:_tpegNamedOnlyAreaExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegNamedOnlyArea">
  <xs:complexContent>
    <xs:extension base="loc:TpegAreaLocation">
      <xs:sequence>
        <xs:element name="name" type="loc:TpegAreaDescriptor" maxOccurs="unbounded"/>
        <xs:element name="_tpegNamedOnlyAreaExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: TpegNonJunctionPoint

Super-types: [TpegPoint](#) < TpegNonJunctionPoint (by extension)
Sub-types: None

Name	TpegNonJunctionPoint
Abstract	no
Documentation	A point on the road network which is not a road junction point.

XML Instance Representation

```
<...>
<loc:_tpegPointExtension> com:_ExtensionType </loc:_tpegPointExtension> [0..1]
<loc:pointCoordinates> loc:PointCoordinates </loc:pointCoordinates> [1]
<loc:name> loc:TpegOtherPointDescriptor </loc:name> [1..*] ?
<loc:_tpegNonJunctionPointExtension> com:_ExtensionType </loc:_tpegNonJunctionPointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegNonJunctionPoint">
  <xs:complexContent>
    <xs:extension base="loc:TpegPoint">
      <xs:sequence>
        <xs:element name="pointCoordinates" type="loc:PointCoordinates"/>
        <xs:element name="name" type="loc:TpegOtherPointDescriptor" maxOccurs="unbounded"/>
        <xs:element name="_tpegNonJunctionPointExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: TpegOtherPointDescriptor

Super-types: [TpegDescriptor](#) < [TpegPointDescriptor](#) (by extension) < TpegOtherPointDescriptor (by extension)

Sub-types:	None
------------	------

Name	TpegOtherPointDescriptor
Abstract	no
Documentation	General descriptor for describing a point.

XML Instance Representation

```
<...>
  <loc:descriptor> com:MultilingualString </loc:descriptor> [1] ?
  <loc:_tpegDescriptorExtension> com:_ExtensionType </loc:_tpegDescriptorExtension> [0..1]
  <loc:_tpegPointDescriptorExtension> com:_ExtensionType </loc:_tpegPointDescriptorExtension> [0..1]
  <loc:tpegOtherPointDescriptorType> loc:_TpegLoc030OtherPointDescriptorSubTypeEnum
</loc:tpegOtherPointDescriptorType> [1] ?
  <loc:_tpegOtherPointDescriptorExtension> com:_ExtensionType </loc:_tpegOtherPointDescriptorExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegOtherPointDescriptor">
  <xs:complexContent>
    <xs:extension base="loc:TpegPointDescriptor">
      <xs:sequence>
        <xs:element name="tpegOtherPointDescriptorType" type="loc:_TpegLoc030OtherPointDescriptorSubTypeEnum"
          minOccurs="1" maxOccurs="1"/>
        <xs:element name="_tpegOtherPointDescriptorExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: TpegPoint

Super-types:	None
Sub-types:	TpegJunction (by extension) TpegNonJunctionPoint (by extension)

Name	TpegPoint
Abstract	yes
Documentation	A point on the road network which is either a junction point or a non junction point.

XML Instance Representation

```
<...>
  <loc:_tpegPointExtension> com:_ExtensionType </loc:_tpegPointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegPoint" abstract="true">
  <xs:sequence>
    <xs:element name="_tpegPointExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: TpegPointDescriptor

Super-types:	TpegDescriptor < TpegPointDescriptor (by extension)
Sub-types:	TpegIlcPointDescriptor (by extension) TpegJunctionPointDescriptor (by extension) TpegOtherPointDescriptor (by extension)

Name	TpegPointDescriptor
Abstract	yes
Documentation	A descriptor for describing a point location.

XML Instance Representation

```
<...>
  <loc:descriptor> com:MultilingualString </loc:descriptor> [1] ?
  <loc:tpegDescriptorExtension> com:_ExtensionType </loc:tpegDescriptorExtension> [0..1]
  <loc:_tpegPointDescriptorExtension> com:_ExtensionType </loc:_tpegPointDescriptorExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegPointDescriptor" abstract="true">
  <xs:complexContent>
    <xs:extension base="loc:TpegDescriptor">
      <xs:sequence>
        <xs:element name="_tpegPointDescriptorExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: TpegPointLocation

Super-types: None

Sub-types:

- [TpegFramedPoint](#) (by extension)
- [TpegSimplePoint](#) (by extension)

Name TpegPointLocation

Abstract yes

Documentation A single point on the road network defined by a TPEG-Loc structure and which has an associated direction of traffic flow.

XML Instance Representation

```
<...>
  <loc:tpegDirection> loc:_DirectionEnum </loc:tpegDirection> [1] ?
  <loc:_tpegPointLocationExtension> com:_ExtensionType </loc:_tpegPointLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegPointLocation" abstract="true">
  <xs:sequence>
    <xs:element name="tpegDirection" type="loc:_DirectionEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_tpegPointLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: TpegSimplePoint

Super-types: [TpegPointLocation](#) < TpegSimplePoint (by extension)

Sub-types: None

Name TpegSimplePoint

Abstract no

Documentation A point on the road network which is not bounded by any other points on the road network.

XML Instance Representation

```
<...>
  <loc:tpegDirection> loc:_DirectionEnum </loc:tpegDirection> [1] ?
  <loc:_tpegPointLocationExtension> com:_ExtensionType </loc:_tpegPointLocationExtension> [0..1]
  <loc:tpegSimplePointLocationType> loc:_TpegLoc01SimplePointLocationSubtypeEnum </loc:tpegSimplePointLocationType>
  [1] ?
  <loc:point> loc:TpegPoint </loc:point> [1] ?
  <loc:_tpegSimplePointExtension> com:_ExtensionType </loc:_tpegSimplePointExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TpegSimplePoint">
  <xs:complexContent>
    <xs:extension base="loc:TpegPointLocation">
      <xs:sequence>
        <xs:element name="tpegSimplePointLocationType" type="loc:_TpegLoc01SimplePointLocationSubtypeEnum"
          minOccurs="1" maxOccurs="1"/>
        <xs:element name="point" type="loc:TpegPoint"/>
        <xs:element name="_tpegSimplePointExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: _AlertCDirectionEnum

Super-types: xs:string < [AlertCDirectionEnum](#) (by restriction) < _AlertCDirectionEnum (by extension)

Sub-types: None

Name _AlertCDirectionEnum

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  loc:AlertCDirectionEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_AlertCDirectionEnum">
  <xs:simpleContent>
    <xs:extension base="loc:AlertCDirectionEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Complex Type: **_AltitudeAccuracyEnum**

Super-types: [xs:string](#) < [AltitudeAccuracyEnum](#) (by restriction) < **_AltitudeAccuracyEnum** (by extension)

Sub-types: None

Name **_AltitudeAccuracyEnum**

Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:AltitudeAccuracyEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_AltitudeAccuracyEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:AltitudeAccuracyEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

Complex Type: **_AreaPlacesEnum**

Super-types: [xs:string](#) < [AreaPlacesEnum](#) (by restriction) < **_AreaPlacesEnum** (by extension)

Sub-types: None

Name **_AreaPlacesEnum**

Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:AreaPlacesEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_AreaPlacesEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:AreaPlacesEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

Complex Type: **_CarriagewayEnum**

Super-types: [xs:string](#) < [CarriagewayEnum](#) (by restriction) < **_CarriagewayEnum** (by extension)

Sub-types: None

Name **_CarriagewayEnum**

Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:CarriagewayEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_CarriagewayEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:CarriagewayEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

Complex Type: **_DirectionEnum**

Super-types: [xs:string](#) < [DirectionEnum](#) (by restriction) < **_DirectionEnum** (by extension)

Sub-types: None

Name **_DirectionEnum**

Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:DirectionEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_DirectionEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:DirectionEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_DirectionPurposeEnum**

Super-types: xs:string < [DirectionPurposeEnum](#) (by restriction) < [_DirectionPurposeEnum](#) (by extension)
Sub-types: None

Name _DirectionPurposeEnum

Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:DirectionPurposeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_DirectionPurposeEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:DirectionPurposeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_GeographicCharacteristicEnum**

Super-types: xs:string < [GeographicCharacteristicEnum](#) (by restriction) < [_GeographicCharacteristicEnum](#) (by extension)
Sub-types: None

Name _GeographicCharacteristicEnum

Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:GeographicCharacteristicEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_GeographicCharacteristicEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:GeographicCharacteristicEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_HeightGradeEnum**

Super-types: xs:string < [HeightGradeEnum](#) (by restriction) < [_HeightGradeEnum](#) (by extension)
Sub-types: None

Name _HeightGradeEnum

Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:HeightGradeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_HeightGradeEnum">
```

```
<xs:simpleContent>
  <xs:extension base="loc:HeightGradeEnum">
    <xs:attribute name="_extendedValue" type="xs:string" />
  </xs:extension>
</xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: HeightTypeEnum

Super-types: [xs:string](#) < [HeightTypeEnum](#) (by restriction) < HeightTypeEnum (by extension)
Sub-types: None

Name HeightTypeEnum
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    loc:HeightTypeEnum
  </...>
```

Schema Component Representation

```
<xs:complexType name="HeightTypeEnum">
  <xs:simpleContent>
    <xs:extension base="loc:HeightTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: InfrastructureDescriptorEnum

Super-types: [xs:string](#) < [InfrastructureDescriptorEnum](#) (by restriction) < InfrastructureDescriptorEnum (by extension)
Sub-types: None

Name InfrastructureDescriptorEnum
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    loc:InfrastructureDescriptorEnum
  </...>
```

Schema Component Representation

```
<xs:complexType name="InfrastructureDescriptorEnum">
  <xs:simpleContent>
    <xs:extension base="loc:InfrastructureDescriptorEnum">
      <xs:attribute name="_extendedValue" type="xs:string" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: IntermediatePointOnLinearElement

Super-types: None
Sub-types: None

Name IntermediatePointOnLinearElement
Abstract no

XML Instance Representation

```
<...
  index="xs:int [1]">
    <loc:referent> loc:Referent </loc:referent> [1]
  </...>
```

Schema Component Representation

```
<xs:complexType name="IntermediatePointOnLinearElement">
  <xs:sequence>
    <xs:element name="referent" type="loc:Referent" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
  <xs:attribute name="index" type="xs:int" use="required"/>
</xs:complexType>
```

[top](#)

Complex Type: LaneEnum

Super-types: [xs:string](#) < [LaneEnum](#) (by restriction) < [_LaneEnum](#) (by extension)
Sub-types: None

Name [_LaneEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:LaneEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="\_LaneEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:LaneEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: [_LinearDirectionEnum](#)

Super-types: [xs:string](#) < [LinearDirectionEnum](#) (by restriction) < [_LinearDirectionEnum](#) (by extension)
Sub-types: None

Name [_LinearDirectionEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:LinearDirectionEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="\_LinearDirectionEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:LinearDirectionEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: [_LinearElementNatureEnum](#)

Super-types: [xs:string](#) < [LinearElementNatureEnum](#) (by restriction) < [_LinearElementNatureEnum](#) (by extension)
Sub-types: None

Name [_LinearElementNatureEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:LinearElementNatureEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="\_LinearElementNatureEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:LinearElementNatureEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: [_LocationContainedInItinerary](#)

Super-types: None
Sub-types: None

Name [_LocationContainedInItinerary](#)
Abstract no

XML Instance Representation

```
<...  
  index="xs:int [1]">
```

```
<loc:location> loc:Location </loc:location> [1]
</...>
```

Schema Component Representation

```
<xs:complexType name="_LocationContainedInItinerary">
  <xs:sequence>
    <xs:element name="location" type="loc:Location" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
  <xs:attribute name="index" type="xs:int" use="required"/>
</xs:complexType>
```

[top](#)

Complex Type: **_LocationReferenceExtensionType**

Super-types: None
Sub-types: None

Name **_LocationReferenceExtensionType**
Abstract no

XML Instance Representation

```
<...>
  <loc:facilityLocation> locx:FacilityLocation </loc:facilityLocation> [0..1]
  Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="_LocationReferenceExtensionType">
  <xs:sequence>
    <xs:element name="facilityLocation" type="locx:FacilityLocation" minOccurs="0"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **_NamedAreaExtensionType**

Super-types: None
Sub-types: None

Name **_NamedAreaExtensionType**
Abstract no

XML Instance Representation

```
<...>
  <loc:namedAreaExtended> locx:NamedAreaExtended </loc:namedAreaExtended> [0..1]
  Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]
</...>
```

Schema Component Representation

```
<xs:complexType name="_NamedAreaExtensionType">
  <xs:sequence>
    <xs:element name="namedAreaExtended" type="locx:NamedAreaExtended" minOccurs="0"/>
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **_NamedAreaTypeEnum**

Super-types: [xs:string](#) < [NamedAreaTypeEnum](#) (by restriction) < **_NamedAreaTypeEnum** (by extension)
Sub-types: None

Name **_NamedAreaTypeEnum**
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  loc:NamedAreaTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_NamedAreaTypeEnum">
  <xs:simpleContent>
    <xs:extension base="loc:NamedAreaTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_NutsCodeTypeEnum**

Super-types: [xs:string](#) < [NutsCodeTypeEnum](#) (by restriction) < [_NutsCodeTypeEnum](#) (by extension)
Sub-types: None

Name [_NutsCodeTypeEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  loc:NutsCodeTypeEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_NutsCodeTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:NutsCodeTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_OpenlrFormOfWayEnum**

Super-types: [xs:string](#) < [OpenlrFormOfWayEnum](#) (by restriction) < [_OpenlrFormOfWayEnum](#) (by extension)
Sub-types: None

Name [_OpenlrFormOfWayEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  loc:OpenlrFormOfWayEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_OpenlrFormOfWayEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:OpenlrFormOfWayEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_OpenlrFunctionalRoadClassEnum**

Super-types: [xs:string](#) < [OpenlrFunctionalRoadClassEnum](#) (by restriction) < [_OpenlrFunctionalRoadClassEnum](#) (by extension)
Sub-types: None

Name [_OpenlrFunctionalRoadClassEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  loc:OpenlrFunctionalRoadClassEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_OpenlrFunctionalRoadClassEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:OpenlrFunctionalRoadClassEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_OpenlrOrientationEnum**

Super-types: [xs:string](#) < [OpenlrOrientationEnum](#) (by restriction) < [_OpenlrOrientationEnum](#) (by extension)
Sub-types: None

Name [_OpenlrOrientationEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:OpenlrOrientationEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_OpenlrOrientationEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:OpenlrOrientationEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_OpenlrSideOfRoadEnum**

Super-types: [xs:string](#) < [OpenlrSideOfRoadEnum](#) (by restriction) < [_OpenlrSideOfRoadEnum](#) (by extension)
Sub-types: None

Name [_OpenlrSideOfRoadEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:OpenlrSideOfRoadEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_OpenlrSideOfRoadEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:OpenlrSideOfRoadEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_PositionConfidenceCodedErrorEnum**

Super-types: [xs:string](#) < [PositionConfidenceCodedErrorEnum](#) (by restriction) < [_PositionConfidenceCodedErrorEnum](#) (by extension)
Sub-types: None

Name [_PositionConfidenceCodedErrorEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:PositionConfidenceCodedErrorEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_PositionConfidenceCodedErrorEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:PositionConfidenceCodedErrorEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_PredefinedItineraryVersionedReference**

Super-types: [com:VersionedReference](#) < [_PredefinedItineraryVersionedReference](#) (by extension)
Sub-types: None

Name [_PredefinedItineraryVersionedReference](#)
Abstract no

XML Instance Representation

```
<...  
  targetClass="loc:PredefinedItinerary [1]">  
    <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be  
    missing. -->  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_PredefinedItineraryVersionedReference">  
  <xs:complexContent>  
    <xs:extension base="com:VersionedReference">  
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="loc:PredefinedItinerary"/>  
    </xs:extension>  
  </xs:complexContent>  
</xs:complexType>
```

```
</xs:extension>
</xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_PredefinedLocationGroupVersionedReference**

Super-types: [com:VersionedReference](#) < **_PredefinedLocationGroupVersionedReference** (by extension)
Sub-types: None

Name **_PredefinedLocationGroupVersionedReference**
Abstract no

XML Instance Representation

```
<...
  targetClass="loc:PredefinedLocationGroup [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_PredefinedLocationGroupVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="loc:PredefinedLocationGroup"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_PredefinedLocationVersionedReference**

Super-types: [com:VersionedReference](#) < **_PredefinedLocationVersionedReference** (by extension)
Sub-types: None

Name **_PredefinedLocationVersionedReference**
Abstract no

XML Instance Representation

```
<...
  targetClass="loc:PredefinedLocation [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_PredefinedLocationVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="loc:PredefinedLocation"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ReferentTypeEnum**

Super-types: [xs:string](#) < [ReferentTypeEnum](#) (by restriction) < **_ReferentTypeEnum** (by extension)
Sub-types: None

Name **_ReferentTypeEnum**
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  loc:ReferentTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ReferentTypeEnum">
  <xs:simpleContent>
    <xs:extension base="loc:ReferentTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_RelativePositionOnCarriagewayEnum**

Super-types: [xs:string](#) < [RelativePositionOnCarriagewayEnum](#) (by restriction) < [_RelativePositionOnCarriagewayEnum](#) (by extension)
Sub-types: None

Name [_RelativePositionOnCarriagewayEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:RelativePositionOnCarriagewayEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_RelativePositionOnCarriagewayEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:RelativePositionOnCarriagewayEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: [_SubdivisionTypeEnum](#)

Super-types: [xs:string](#) < [SubdivisionTypeEnum](#) (by restriction) < [_SubdivisionTypeEnum](#) (by extension)
Sub-types: None

Name [_SubdivisionTypeEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:SubdivisionTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_SubdivisionTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:SubdivisionTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: [_SupplementaryPositionalDescriptionExtensionType](#)

Super-types: None
Sub-types: None

Name [_SupplementaryPositionalDescriptionExtensionType](#)
Abstract no

XML Instance Representation

```
<...>  
  <loc:supplementaryPositionalDescriptionExtended> loc:SupplementaryPositionalDescriptionExtended  
</loc:supplementaryPositionalDescriptionExtended> [0..1]  
  Allow any elements from a namespace other than this schema's namespace (lax validation). [0..*]  
</...>
```

Schema Component Representation

```
<xs:complexType name="_SupplementaryPositionalDescriptionExtensionType">  
  <xs:sequence>  
    <xs:element name="supplementaryPositionalDescriptionExtended"  
      type="loc:SupplementaryPositionalDescriptionExtended" minOccurs="0"/>  
    <xs:any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>  
  </xs:sequence>  
</xs:complexType>
```

[top](#)

Complex Type: [_TpegLoc01AreaLocationSubtypeEnum](#)

Super-types: [xs:string](#) < [TpegLoc01AreaLocationSubtypeEnum](#) (by restriction) < [_TpegLoc01AreaLocationSubtypeEnum](#) (by extension)
Sub-types: None

Name [_TpegLoc01AreaLocationSubtypeEnum](#)
Abstract no

XML Instance Representation


```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:TpegLoc01AreaLocationSubtypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_TpegLoc01AreaLocationSubtypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:TpegLoc01AreaLocationSubtypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: TpegLoc01FramedPointLocationSubtypeEnum

Super-types: [xs:string](#) < [TpegLoc01FramedPointLocationSubtypeEnum](#) (by restriction) < [_TpegLoc01FramedPointLocationSubtypeEnum](#) (by extension)

Sub-types: None

Name [_TpegLoc01FramedPointLocationSubtypeEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:TpegLoc01FramedPointLocationSubtypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_TpegLoc01FramedPointLocationSubtypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:TpegLoc01FramedPointLocationSubtypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: TpegLoc01LinearLocationSubtypeEnum

Super-types: [xs:string](#) < [TpegLoc01LinearLocationSubtypeEnum](#) (by restriction) < [_TpegLoc01LinearLocationSubtypeEnum](#) (by extension)

Sub-types: None

Name [_TpegLoc01LinearLocationSubtypeEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:TpegLoc01LinearLocationSubtypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_TpegLoc01LinearLocationSubtypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="loc:TpegLoc01LinearLocationSubtypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: TpegLoc01SimplePointLocationSubtypeEnum

Super-types: [xs:string](#) < [TpegLoc01SimplePointLocationSubtypeEnum](#) (by restriction) < [_TpegLoc01SimplePointLocationSubtypeEnum](#) (by extension)

Sub-types: None

Name [_TpegLoc01SimplePointLocationSubtypeEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    loc:TpegLoc01SimplePointLocationSubtypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_TpegLoc01SimplePointLocationSubtypeEnum">
```

```
<xs:simpleContent>
  <xs:extension base="loc:TpegLoc01SimplePointLocationSubtypeEnum">
    <xs:attribute name="_extendedValue" type="xs:string"/>
  </xs:extension>
</xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_TpegLoc03AreaDescriptorSubtypeEnum**

Super-types: [xs:string](#) < [TpegLoc03AreaDescriptorSubtypeEnum](#) (by restriction) < [_TpegLoc03AreaDescriptorSubtypeEnum](#) (by extension)

Sub-types: None

Name [_TpegLoc03AreaDescriptorSubtypeEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    loc:TpegLoc03AreaDescriptorSubtypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TpegLoc03AreaDescriptorSubtypeEnum">
  <xs:simpleContent>
    <xs:extension base="loc:TpegLoc03AreaDescriptorSubtypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_TpegLoc03IlcPointDescriptorSubtypeEnum**

Super-types: [xs:string](#) < [TpegLoc03IlcPointDescriptorSubtypeEnum](#) (by restriction) < [_TpegLoc03IlcPointDescriptorSubtypeEnum](#) (by extension)

Sub-types: None

Name [_TpegLoc03IlcPointDescriptorSubtypeEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    loc:TpegLoc03IlcPointDescriptorSubtypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TpegLoc03IlcPointDescriptorSubtypeEnum">
  <xs:simpleContent>
    <xs:extension base="loc:TpegLoc03IlcPointDescriptorSubtypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_TpegLoc03JunctionPointDescriptorSubtypeEnum**

Super-types: [xs:string](#) < [TpegLoc03JunctionPointDescriptorSubtypeEnum](#) (by restriction) < [_TpegLoc03JunctionPointDescriptorSubtypeEnum](#) (by extension)

Sub-types: None

Name [_TpegLoc03JunctionPointDescriptorSubtypeEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    loc:TpegLoc03JunctionPointDescriptorSubtypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TpegLoc03JunctionPointDescriptorSubtypeEnum">
  <xs:simpleContent>
    <xs:extension base="loc:TpegLoc03JunctionPointDescriptorSubtypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_TpegLoc03OtherPointDescriptorSubtypeEnum**

Super-types:	xs:string < _TpegLoc03OtherPointDescriptorSubtypeEnum (by restriction) < _TpegLoc03OtherPointDescriptorSubtypeEnum (by extension)
Sub-types:	None

Name	_TpegLoc03OtherPointDescriptorSubtypeEnum
Abstract	no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  loc:TpegLoc03OtherPointDescriptorSubtypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TpegLoc03OtherPointDescriptorSubtypeEnum">
  <xs:simpleContent>
    <xs:extension base="loc:TpegLoc03OtherPointDescriptorSubtypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_TpegLoc04HeightTypeEnum**

Super-types:	xs:string < _TpegLoc04HeightTypeEnum (by restriction) < _TpegLoc04HeightTypeEnum (by extension)
Sub-types:	None

Name	_TpegLoc04HeightTypeEnum
Abstract	no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  loc:TpegLoc04HeightTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TpegLoc04HeightTypeEnum">
  <xs:simpleContent>
    <xs:extension base="loc:TpegLoc04HeightTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Simple Type: **AlertCDirectionEnum**

Super-types:	xs:string < AlertCDirectionEnum (by restriction)
Sub-types:	_AlertCDirectionEnum (by extension)

Name	AlertCDirectionEnum
Content	- Base XSD Type: string - value comes from list: {'negative' 'positive' '_extended'}
Documentation	Direction used to reach the primary location from the secondary location in ALERT-C location table, as defined in CEN ISO 14819-1

Schema Component Representation

```
<xs:simpleType name="AlertCDirectionEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="negative"/>
    <xs:enumeration value="positive"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **AlertCLocationCode**

Super-types:	com:NonNegativeInteger < AlertCLocationCode (by restriction)
Sub-types:	None

Name	AlertCLocationCode
Content	'NonNegativeInteger' super type was not found in this schema. Its facets could not be printed out.

- 1 <= value <= 63487

Documentation

A positive integer number (between 1 and 63 487) which uniquely identifies a pre-defined Alert C location defined within an Alert-C table.

Schema Component Representation

```
<xs:simpleType name="AlertCLocationCode">
  <xs:restriction base="com:NonNegativeInteger">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="63487"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **AltitudeAccuracyEnum**

Super-types: [xs:string](#) < **AltitudeAccuracyEnum** (by restriction)

Sub-types:

- [_AltitudeAccuracyEnum](#) (by extension)

Name	AltitudeAccuracyEnum
Content	• Base XSD Type: string • value comes from list: {'equalToOrLessThan1Centimetre' 'equalToOrLessThan2Centimetres' 'equalToOrLessThan5Centimetres' 'equalToOrLessThan10Centimetres' 'equalToOrLessThan20Centimetres' 'equalToOrLessThan50Centimetres' 'equalToOrLessThan1Metre' 'equalToOrLessThan2Metres' 'equalToOrLessThan5Metres' 'equalToOrLessThan10Metres' 'equalToOrLessThan20Metres' 'equalToOrLessThan50Metres' 'equalToOrLessThan100Metres' 'equalToOrLessThan200Metres' '_extended'}
Documentation	Coded level of vertical accuracy

Schema Component Representation

```
<xs:simpleType name="AltitudeAccuracyEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="equalToOrLessThan1Centimetre"/>
    <xs:enumeration value="equalToOrLessThan2Centimetres"/>
    <xs:enumeration value="equalToOrLessThan5Centimetres"/>
    <xs:enumeration value="equalToOrLessThan10Centimetres"/>
    <xs:enumeration value="equalToOrLessThan20Centimetres"/>
    <xs:enumeration value="equalToOrLessThan50Centimetres"/>
    <xs:enumeration value="equalToOrLessThan1Metre"/>
    <xs:enumeration value="equalToOrLessThan2Metres"/>
    <xs:enumeration value="equalToOrLessThan5Metres"/>
    <xs:enumeration value="equalToOrLessThan10Metres"/>
    <xs:enumeration value="equalToOrLessThan20Metres"/>
    <xs:enumeration value="equalToOrLessThan50Metres"/>
    <xs:enumeration value="equalToOrLessThan100Metres"/>
    <xs:enumeration value="equalToOrLessThan200Metres"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **AreaPlacesEnum**

Super-types: [xs:string](#) < **AreaPlacesEnum** (by restriction)

Sub-types:

- [_AreaPlacesEnum](#) (by extension)

Name	AreaPlacesEnum
Content	• Base XSD Type: string • value comes from list: {'atBorders' 'atHighAltitudes' 'inBuiltUpAreas' 'inForestedAreas' 'inGalleries' 'inLowLyingAreas' 'inRuralAreas' 'inShadedAreas' 'inTheInnerCityAreas' 'inTunnels' 'onBridges' 'onDownhillSections' 'onElevatedSections' 'onEnteringOrLeavingTunnels' 'onFlyovers' 'onPasses' 'onUndergroundSections' 'onUnderpasses' '_extended'}
Documentation	Type of area place(s)

Schema Component Representation

```
<xs:simpleType name="AreaPlacesEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="atBorders"/>
    <xs:enumeration value="atHighAltitudes"/>
    <xs:enumeration value="inBuiltUpAreas"/>
    <xs:enumeration value="inForestedAreas"/>
    <xs:enumeration value="inGalleries"/>
    <xs:enumeration value="inLowLyingAreas"/>
    <xs:enumeration value="inRuralAreas"/>
    <xs:enumeration value="inShadedAreas"/>
    <xs:enumeration value="inTheInnerCityAreas"/>
    <xs:enumeration value="inTunnels"/>
    <xs:enumeration value="onBridges"/>
    <xs:enumeration value="onDownhillSections"/>
    <xs:enumeration value="onElevatedSections"/>
    <xs:enumeration value="onEnteringOrLeavingTunnels"/>
    <xs:enumeration value="onFlyovers"/>
    <xs:enumeration value="onPasses"/>
    <xs:enumeration value="onUndergroundSections"/>
    <xs:enumeration value="onUnderpasses"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: CarriagewayEnum

Super-types:	xs:string < CarriagewayEnum (by restriction)
Sub-types:	_CarriagewayEnum (by extension)

Name	CarriagewayEnum
Content	- Base XSD Type: string <i>value</i> comes from list: {connectingCarriageway "cycleTrack "entrySlipRoad "exitSlipRoad "flyover "footpath "leftHandFeederRoad "leftHandParallelCarriageway "mainCarriageway "oppositeCarriageway "parallelCarriageway "rightHandFeederRoad "rightHandParallelCarriageway "roundabout "serviceRoad "slipRoads "underpass "unspecifiedCarriageway _extended}
Documentation	List of descriptors identifying specific carriageway details.

Schema Component Representation	<pre><xs:simpleType name="CarriagewayEnum"> <xs:restriction base="xs:string"> <xs:enumeration value="connectingCarriageway"/> <xs:enumeration value="cycleTrack"/> <xs:enumeration value="entrySlipRoad"/> <xs:enumeration value="exitSlipRoad"/> <xs:enumeration value="flyover"/> <xs:enumeration value="footpath"/> <xs:enumeration value="leftHandFeederRoad"/> <xs:enumeration value="leftHandParallelCarriageway"/> <xs:enumeration value="mainCarriageway"/> <xs:enumeration value="oppositeCarriageway"/> <xs:enumeration value="parallelCarriageway"/> <xs:enumeration value="rightHandFeederRoad"/> <xs:enumeration value="rightHandParallelCarriageway"/> <xs:enumeration value="roundabout"/> <xs:enumeration value="serviceRoad"/> <xs:enumeration value="slipRoads"/> <xs:enumeration value="underpass"/> <xs:enumeration value="unspecifiedCarriageway"/> <xs:enumeration value="_extended"/> </xs:restriction> </xs:simpleType></pre>
---------------------------------	---

[top](#)

Simple Type: DirectionEnum

Super-types:	xs:string < DirectionEnum (by restriction)
Sub-types:	_DirectionEnum (by extension)

Name	DirectionEnum
Content	- Base XSD Type: string <i>value</i> comes from list: {aligned "allDirections "anticlockwise "bothWays "clockwise "innerRing "outerRing "eastBound "northBound "northEastBound "northWestBound "southBound "southEastBound "southWestBound "westBound "inboundTowardsTown "outboundFromTown "opposite "unknown "other _extended}
Documentation	List of directions of travel.

Schema Component Representation	<pre><xs:simpleType name="DirectionEnum"> <xs:restriction base="xs:string"> <xs:enumeration value="aligned"/> <xs:enumeration value="allDirections"/> <xs:enumeration value="anticlockwise"/> <xs:enumeration value="bothWays"/> <xs:enumeration value="clockwise"/> <xs:enumeration value="innerRing"/> <xs:enumeration value="outerRing"/> <xs:enumeration value="eastBound"/> <xs:enumeration value="northBound"/> <xs:enumeration value="northEastBound"/> <xs:enumeration value="northWestBound"/> <xs:enumeration value="southBound"/> <xs:enumeration value="southEastBound"/> <xs:enumeration value="southWestBound"/> <xs:enumeration value="westBound"/> <xs:enumeration value="inboundTowardsTown"/> <xs:enumeration value="outboundFromTown"/> <xs:enumeration value="opposite"/> <xs:enumeration value="unknown"/> <xs:enumeration value="other"/> <xs:enumeration value="_extended"/> </xs:restriction> </xs:simpleType></pre>
---------------------------------	--

[top](#)

Simple Type: DirectionPurposeEnum

Super-types:	xs:string < DirectionPurposeEnum (by restriction)
Sub-types:	_DirectionPurposeEnum (by extension)

Name	DirectionPurposeEnum
Content	

- Base XSD Type: string
- *value* comes from list: {'inbound'|'outbound'|'_extended'}

Documentation

Main purpose of a direction of a road

Schema Component Representation

```
<xs:simpleType name="DirectionPurposeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="inbound"/>
    <xs:enumeration value="outbound"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: GeographicCharacteristicEnum

Super-types: [xs:string](#) < **GeographicCharacteristicEnum** (by restriction)

Sub-types:

- [_GeographicCharacteristicEnum](#) (by extension)

Name GeographicCharacteristicEnum

Content

- Base XSD Type: string
- *value* comes from list: {'aroundABendInRoad'|'onBorder'|'onPass'|'overCrestOfHill'|'_extended'}

Documentation

Descriptor to help to identify a specific location.

Schema Component Representation

```
<xs:simpleType name="GeographicCharacteristicEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="aroundABendInRoad"/>
    <xs:enumeration value="onBorder"/>
    <xs:enumeration value="onPass"/>
    <xs:enumeration value="overCrestOfHill"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: GmlPosList

Super-types: [com:LongString](#) < **GmlPosList** (by restriction)

Sub-types: None

Name GmlPosList

Content

- 'LongString' super type was not found in this schema. Its facets could not be printed out.
- *pattern* = `[-+]?[0-9]*\.[0-9]+(\s[-+]?[0-9]*\.[0-9]+){3,}`

Documentation

List of coordinates, space-separated, within the same coordinate reference system, defining a geometric entity. Modelled on DirectPositionListType in GML (EN ISO 19136), but constrained to represent a 2D or 3D polyline.

Schema Component Representation

```
<xs:simpleType name="GmlPosList">
  <xs:restriction base="com:LongString">
    <xs:pattern value="[-+]?[0-9]*\.[0-9]+(\s[-+]?[0-9]*\.[0-9]+){3,}" />
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: HeightGradeEnum

Super-types: [xs:string](#) < **HeightGradeEnum** (by restriction)

Sub-types:

- [_HeightGradeEnum](#) (by extension)

Name HeightGradeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'aboveGrade'|'atGrade'|'belowGrade'|'_extended'}

Documentation

List of height or vertical gradings of road sections.

Schema Component Representation

```
<xs:simpleType name="HeightGradeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="aboveGrade"/>
    <xs:enumeration value="atGrade"/>
    <xs:enumeration value="belowGrade"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: HeightTypeEnum

Super-types: [xs:string](#) < **HeightTypeEnum** (by restriction)

Sub-types: [_HeightTypeEnum](#) (by extension)

Name HeightTypeEnum

Content

- Base XSD Type: string
- value* comes from list: {'ellipsoidalHeight','gravityRelatedHeight','relativeHeight','_extended'}

Documentation Coded value for type of height

Schema Component Representation

```
<xs:simpleType name="HeightTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="ellipsoidalHeight"/>
    <xs:enumeration value="gravityRelatedHeight"/>
    <xs:enumeration value="relativeHeight"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: InfrastructureDescriptorEnum

Super-types: [xs:string](#) < **InfrastructureDescriptorEnum** (by restriction)

Sub-types: [_InfrastructureDescriptorEnum](#) (by extension)

Name InfrastructureDescriptorEnum

Content

- Base XSD Type: string
- value* comes from list: {'atMotorwayInterchange','atRestArea','atServiceArea','atTollPlaza','atTunnelEntryOrExit','inGallery','inTunnel','onBridge','onConnector','onElevatedSe

Documentation Descriptor identifying infrastructure to help to identify a specific location.

Schema Component Representation

```
<xs:simpleType name="InfrastructureDescriptorEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="atMotorwayInterchange"/>
    <xs:enumeration value="atRestArea"/>
    <xs:enumeration value="atServiceArea"/>
    <xs:enumeration value="atTollPlaza"/>
    <xs:enumeration value="atTunnelEntryOrExit"/>
    <xs:enumeration value="inGallery"/>
    <xs:enumeration value="inTunnel"/>
    <xs:enumeration value="onBridge"/>
    <xs:enumeration value="onConnector"/>
    <xs:enumeration value="onElevatedSection"/>
    <xs:enumeration value="onFlyover"/>
    <xs:enumeration value="onIceRoad"/>
    <xs:enumeration value="onLevelCrossing"/>
    <xs:enumeration value="onLinkRoad"/>
    <xs:enumeration value="onRoundabout"/>
    <xs:enumeration value="onTheRoadway"/>
    <xs:enumeration value="onUndergroundSection"/>
    <xs:enumeration value="onUnderpass"/>
    <xs:enumeration value="withinJunction"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: LaneEnum

Super-types: [xs:string](#) < **LaneEnum** (by restriction)

Sub-types: [_LaneEnum](#) (by extension)

Name LaneEnum

Content

- Base XSD Type: string
- value* comes from list: {'allLanesCompleteCarriageway','busLane','busStop','carPoolLane','centralReservation','crawlerLane','cycleLane','emergencyLane','escapeLane','exp

Documentation List of descriptors identifying specific lanes.

Schema Component Representation

```
<xs:simpleType name="LaneEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="allLanesCompleteCarriageway"/>
    <xs:enumeration value="busLane"/>
    <xs:enumeration value="busStop"/>
    <xs:enumeration value="carPoolLane"/>
```

```
<xs:enumeration value="centralReservation"/>
<xs:enumeration value="crawlerLane"/>
<xs:enumeration value="cycleLane"/>
<xs:enumeration value="emergencyLane"/>
<xs:enumeration value="escapeLane"/>
<xs:enumeration value="expressLane"/>
<xs:enumeration value="hardShoulder"/>
<xs:enumeration value="heavyVehicleLane"/>
<xs:enumeration value="layBy"/>
<xs:enumeration value="leftHandTurningLane"/>
<xs:enumeration value="leftLane"/>
<xs:enumeration value="localTrafficLane"/>
<xs:enumeration value="middleLane"/>
<xs:enumeration value="overtakingLane"/>
<xs:enumeration value="rightHandTurningLane"/>
<xs:enumeration value="rightLane"/>
<xs:enumeration value="rushHourLane"/>
<xs:enumeration value="setDownArea"/>
<xs:enumeration value="slowVehicleLane"/>
<xs:enumeration value="throughTrafficLane"/>
<xs:enumeration value="tidalFlowLane"/>
<xs:enumeration value="turningLane"/>
<xs:enumeration value="verge"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **LinearDirectionEnum**

Super-types: [xs:string](#) < **LinearDirectionEnum** (by restriction)

Sub-types:

- [_LinearDirectionEnum](#) (by extension)

Name LinearDirectionEnum

Content

- Base XSD Type: string
- *value* comes from list: {'both'|'opposite'|'aligned'|'unknown'|'_extended'}

Documentation Directions of traffic flow relative to the direction in which the linear element is defined.

Schema Component Representation

```
<xs:simpleType name="LinearDirectionEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="both"/>
    <xs:enumeration value="opposite"/>
    <xs:enumeration value="aligned"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **LinearElementNatureEnum**

Super-types: [xs:string](#) < **LinearElementNatureEnum** (by restriction)

Sub-types:

- [_LinearElementNatureEnum](#) (by extension)

Name LinearElementNatureEnum

Content

- Base XSD Type: string
- *value* comes from list: {'road'|'roadSection'|'slipRoad'|'other'|'_extended'}

Documentation List of indicative natures of linear elements.

Schema Component Representation

```
<xs:simpleType name="LinearElementNatureEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="road"/>
    <xs:enumeration value="roadSection"/>
    <xs:enumeration value="slipRoad"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **NamedAreaTypeEnum**

Super-types: [xs:string](#) < **NamedAreaTypeEnum** (by restriction)

Sub-types:

- [_NamedAreaTypeEnum](#) (by extension)

Name NamedAreaTypeEnum

Content

- Base XSD Type: string

- *value* comes from list:
{'applicationRegion'|'continent'|'country'|'countryGroup'|'carParkArea'|'carpoolArea'|'fuzzyArea'|'industrialArea'|'lake'|'meteorologicalArea'|'metropolitanArea'|'municipality'|'parkAndRideSite'|'ruralCounty'|'sea'|'touristArea'|'trafficArea'|'urbanCounty'|'order1AdministrativeArea'|'order2AdministrativeArea'|'order3AdministrativeArea'|'order4AdministrativeArea'|'order5AdministrativeArea'|'policeForceControlArea'|'roadOperatorControlArea'|'waterArea'|'_extended'}

Documentation Types of areas.

Schema Component Representation

```
<xs:simpleType name="NamedAreaTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="applicationRegion"/>
    <xs:enumeration value="continent"/>
    <xs:enumeration value="country"/>
    <xs:enumeration value="countryGroup"/>
    <xs:enumeration value="carParkArea"/>
    <xs:enumeration value="carpoolArea"/>
    <xs:enumeration value="fuzzyArea"/>
    <xs:enumeration value="industrialArea"/>
    <xs:enumeration value="lake"/>
    <xs:enumeration value="meteorologicalArea"/>
    <xs:enumeration value="metropolitanArea"/>
    <xs:enumeration value="municipality"/>
    <xs:enumeration value="parkAndRideSite"/>
    <xs:enumeration value="ruralCounty"/>
    <xs:enumeration value="sea"/>
    <xs:enumeration value="touristArea"/>
    <xs:enumeration value="trafficArea"/>
    <xs:enumeration value="urbanCounty"/>
    <xs:enumeration value="order1AdministrativeArea"/>
    <xs:enumeration value="order2AdministrativeArea"/>
    <xs:enumeration value="order3AdministrativeArea"/>
    <xs:enumeration value="order4AdministrativeArea"/>
    <xs:enumeration value="order5AdministrativeArea"/>
    <xs:enumeration value="policeForceControlArea"/>
    <xs:enumeration value="roadOperatorControlArea"/>
    <xs:enumeration value="waterArea"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **NutsCode**

Super-types: [com:String](#) < **NutsCode** (by restriction)

Sub-types: None

Name NutsCode

Content

- 'String' super type was not found in this schema. Its facets could not be printed out.
- *length* <= 5

Documentation A NUTS code (Nomenclature of territorial units for statistics).

Schema Component Representation

```
<xs:simpleType name="NutsCode">
  <xs:restriction base="com:String">
    <xs:maxLength value="5"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **NutsCodeTypeEnum**

Super-types: [xs:string](#) < **NutsCodeTypeEnum** (by restriction)

Sub-types:

- [_NutsCodeTypeEnum](#) (by extension)

Name NutsCodeTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'nuts1Code'|'nuts2Code'|'nuts3Code'|'lau1Code'|'lau2Code'|'_extended'}

Documentation Types of NUTS codes (Nomenclature of territorial units for statistics) including LAU codes (Local Administrative Units).

Schema Component Representation

```
<xs:simpleType name="NutsCodeTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="nuts1Code"/>
    <xs:enumeration value="nuts2Code"/>
    <xs:enumeration value="nuts3Code"/>
    <xs:enumeration value="lau1Code"/>
    <xs:enumeration value="lau2Code"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **OpenIrFormOfWayEnum**

Super-types: [xs:string](#) < **OpenIrFormOfWayEnum** (by restriction)

Sub-types:

- [_OpenlrFormOfWayEnum](#) (by extension)

Name OpenlrFormOfWayEnum

Content

- Base XSD Type: string
- *value* comes from list:
{undefined|'motorway'|'multipleCarriageway'|'singleCarriageway'|'roundabout'|'slipRoad'|'trafficSquare'|'other'|'_extended'}

Documentation Enumeration of for of way

Schema Component Representation

```
<xs:simpleType name="OpenlrFormOfWayEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="undefined"/>
    <xs:enumeration value="motorway"/>
    <xs:enumeration value="multipleCarriageway"/>
    <xs:enumeration value="singleCarriageway"/>
    <xs:enumeration value="roundabout"/>
    <xs:enumeration value="slipRoad"/>
    <xs:enumeration value="trafficSquare"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **OpenlrFunctionalRoadClassEnum**

Super-types:

[xs:string](#) < **OpenlrFunctionalRoadClassEnum** (by restriction)

Sub-types:

- [_OpenlrFunctionalRoadClassEnum](#) (by extension)

Name OpenlrFunctionalRoadClassEnum

Content

- Base XSD Type: string
- *value* comes from list: {'frc0'|'frc1'|'frc2'|'frc3'|'frc4'|'frc5'|'frc6'|'frc7'|'_extended'}

Documentation Enumeration of functional road class

Schema Component Representation

```
<xs:simpleType name="OpenlrFunctionalRoadClassEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="frc0"/>
    <xs:enumeration value="frc1"/>
    <xs:enumeration value="frc2"/>
    <xs:enumeration value="frc3"/>
    <xs:enumeration value="frc4"/>
    <xs:enumeration value="frc5"/>
    <xs:enumeration value="frc6"/>
    <xs:enumeration value="frc7"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **OpenlrOrientationEnum**

Super-types:

[xs:string](#) < **OpenlrOrientationEnum** (by restriction)

Sub-types:

- [_OpenlrOrientationEnum](#) (by extension)

Name OpenlrOrientationEnum

Content

- Base XSD Type: string
- *value* comes from list:
{noOrientationOrUnknown|'withLineDirection'|'againstLineDirection'|'both'|'_extended'}

Documentation Enumeration of orientation

Schema Component Representation

```
<xs:simpleType name="OpenlrOrientationEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="noOrientationOrUnknown"/>
    <xs:enumeration value="withLineDirection"/>
    <xs:enumeration value="againstLineDirection"/>
    <xs:enumeration value="both"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **OpenlrSideOfRoadEnum**

Super-types:

[xs:string](#) < **OpenlrSideOfRoadEnum** (by restriction)

Sub-types:

- [_OpenlrSideOfRoadEnum](#) (by extension)

Name OpenlrSideOfRoadEnum

Content

- Base XSD Type: string
- *value* comes from list: {'onRoadOrUnknown'|'right'|'left'|'both'|'_extended'}

Documentation Enumeration of side of road

Schema Component Representation

```
<xs:simpleType name="OpenlrSideOfRoadEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="onRoadOrUnknown"/>
    <xs:enumeration value="right"/>
    <xs:enumeration value="left"/>
    <xs:enumeration value="both"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **PositionConfidenceCodedErrorEnum**

Super-types: [xs:string](#) < **PositionConfidenceCodedErrorEnum** (by restriction)

Sub-types:

- [_PositionConfidenceCodedErrorEnum](#) (by extension)

Name PositionConfidenceCodedErrorEnum

Content

- Base XSD Type: string
- *value* comes from list: {'outOfRange'|'unavailable'|'_extended'}

Documentation Error code for horizontal or vertical position confidence

Schema Component Representation

```
<xs:simpleType name="PositionConfidenceCodedErrorEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="outOfRange"/>
    <xs:enumeration value="unavailable"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ReferentTypeEnum**

Super-types: [xs:string](#) < **ReferentTypeEnum** (by restriction)

Sub-types:

- [_ReferentTypeEnum](#) (by extension)

Name ReferentTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'boundary'|'intersection'|'referenceMarker'|'landmark'|'roadNode'|'_extended'}

Documentation A set of types of known points along a linear object such as a road.

Schema Component Representation

```
<xs:simpleType name="ReferentTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="boundary"/>
    <xs:enumeration value="intersection"/>
    <xs:enumeration value="referenceMarker"/>
    <xs:enumeration value="landmark"/>
    <xs:enumeration value="roadNode"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **RelativePositionOnCarriagewayEnum**

Super-types: [xs:string](#) < **RelativePositionOnCarriagewayEnum** (by restriction)

Sub-types:

- [_RelativePositionOnCarriagewayEnum](#) (by extension)

Name RelativePositionOnCarriagewayEnum

Content

- Base XSD Type: string
- *value* comes from list: {'inTheCentre'|'onTheLeft'|'onTheRight'|'_extended'}

Documentation Identifies a relative position across a carriageway

Schema Component Representation

```
<xs:simpleType name="RelativePositionOnCarriagewayEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="inTheCentre"/>
    <xs:enumeration value="onTheLeft"/>
    <xs:enumeration value="onTheRight"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: SubdivisionCode

Super-types: [com:String](#) < SubdivisionCode (by restriction)

Sub-types: None

Name SubdivisionCode

Content

- 'String' super type was not found in this schema. Its facets could not be printed out.
- *length* <= 3

Documentation The second part of an ISO 3166-2 country sub-division code (up to 3 characters) which may be used along with a CountryCode to make a full ISO 3166-2 subdivision code.

Schema Component Representation

```
<xs:simpleType name="SubdivisionCode">
  <xs:restriction base="com:String">
    <xs:maxLength value="3"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: SubdivisionTypeEnum

Super-types: [xs:string](#) < SubdivisionTypeEnum (by restriction)

Sub-types:

- [_SubdivisionTypeEnum](#) (by extension)

Name SubdivisionTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{administrativeAtoll|administrativeRegion|administrativeTerritory|arcticRegion|autonomousCity|autonomousCityInNorthAfrica|autonomousComm

Documentation ISO 3166-2 subdivison types.

Schema Component Representation

```
<xs:simpleType name="SubdivisionTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="administrativeAtoll"/>
    <xs:enumeration value="administrativeRegion"/>
    <xs:enumeration value="administrativeTerritory"/>
    <xs:enumeration value="arcticRegion"/>
    <xs:enumeration value="autonomousCity"/>
    <xs:enumeration value="autonomousCityInNorthAfrica"/>
    <xs:enumeration value="autonomousCommunity"/>
    <xs:enumeration value="autonomousDistrict"/>
    <xs:enumeration value="autonomousProvince"/>
    <xs:enumeration value="autonomousRegion"/>
    <xs:enumeration value="canton"/>
    <xs:enumeration value="capitalCity"/>
    <xs:enumeration value="city"/>
    <xs:enumeration value="cityMunicipality"/>
    <xs:enumeration value="cityOfCountyRight"/>
    <xs:enumeration value="commune"/>
    <xs:enumeration value="councilArea"/>
    <xs:enumeration value="county"/>
    <xs:enumeration value="country"/>
    <xs:enumeration value="department"/>
    <xs:enumeration value="dependency"/>
    <xs:enumeration value="district"/>
    <xs:enumeration value="districtMunicipality"/>
    <xs:enumeration value="districtWithSpecialStatus"/>
    <xs:enumeration value="entity"/>
    <xs:enumeration value="geographicalEntity"/>
    <xs:enumeration value="governorate"/>
    <xs:enumeration value="laender"/>
    <xs:enumeration value="localCouncil"/>
    <xs:enumeration value="londonBorough"/>
    <xs:enumeration value="metropolitanArea"/>
    <xs:enumeration value="metropolitanDepartment"/>
    <xs:enumeration value="metropolitanDistrict"/>
    <xs:enumeration value="metropolitanRegion"/>
    <xs:enumeration value="municipality"/>
    <xs:enumeration value="overseasDepartment"/>
    <xs:enumeration value="overseasRegion"/>
    <xs:enumeration value="overseasTerritorialCollectivity"/>
    <xs:enumeration value="parish"/>
    <xs:enumeration value="province"/>
    <xs:enumeration value="quarter"/>
    <xs:enumeration value="region"/>
    <xs:enumeration value="republic"/>
    <xs:enumeration value="republicanCity"/>
  </xs:restriction>
</xs:simpleType>
```

```
<xs:enumeration value="selfGovernedPart"/>
<xs:enumeration value="specialMunicipality"/>
<xs:enumeration value="state"/>
<xs:enumeration value="territorialUnit"/>
<xs:enumeration value="territory"/>
<xs:enumeration value="twoTierCounty"/>
<xs:enumeration value="unitaryAuthority"/>
<xs:enumeration value="ward"/>
<xs:enumeration value="other"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **TpegLoc01AreaLocationSubtypeEnum**

Super-types: [xs:string](#) < **TpegLoc01AreaLocationSubtypeEnum** (by restriction)

Sub-types:

- [_TpegLoc01AreaLocationSubtypeEnum](#) (by extension)

Name TpegLoc01AreaLocationSubtypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'largeArea'|'other'|'_extended'}

Documentation Types of area.

Schema Component Representation

```
<xs:simpleType name="TpegLoc01AreaLocationSubtypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="largeArea"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **TpegLoc01FramedPointLocationSubtypeEnum**

Super-types: [xs:string](#) < **TpegLoc01FramedPointLocationSubtypeEnum** (by restriction)

Sub-types:

- [_TpegLoc01FramedPointLocationSubtypeEnum](#) (by extension)

Name TpegLoc01FramedPointLocationSubtypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'framedPoint'|'_extended'}

Documentation Types of points on the road network framed by two other points on the same road.

Schema Component Representation

```
<xs:simpleType name="TpegLoc01FramedPointLocationSubtypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="framedPoint"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **TpegLoc01LinearLocationSubtypeEnum**

Super-types: [xs:string](#) < **TpegLoc01LinearLocationSubtypeEnum** (by restriction)

Sub-types:

- [_TpegLoc01LinearLocationSubtypeEnum](#) (by extension)

Name TpegLoc01LinearLocationSubtypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'segment'|'_extended'}

Documentation Types of linear location.

Schema Component Representation

```
<xs:simpleType name="TpegLoc01LinearLocationSubtypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="segment"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **TpegLoc01SimplePointLocationSubtypeEnum**

Super-types: [xs:string](#) < **TpegLoc01SimplePointLocationSubtypeEnum** (by restriction)

Sub-types:

- [TpegLoc01SimplePointLocationSubtypeEnum](#) (by extension)

Name TpegLoc01SimplePointLocationSubtypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'intersection'|'nonLinkedPoint'|'_extended'}

Documentation Types of simple point.

Schema Component Representation

```
<xs:simpleType name="TpegLoc01SimplePointLocationSubtypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="intersection"/>
    <xs:enumeration value="nonLinkedPoint"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: TpegLoc03AreaDescriptorSubtypeEnum

Super-types: [xs:string](#) < TpegLoc03AreaDescriptorSubtypeEnum (by restriction)

Sub-types:

- [TpegLoc03AreaDescriptorSubtypeEnum](#) (by extension)

Name TpegLoc03AreaDescriptorSubtypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'administrativeAreaName'|'administrativeReferenceName'|'areaName'|'countyName'|'lakeName'|'nationName'|'policeForceControlAreaName'|'regionName'|'seaName'|'townName'|'other'|'_extended'}

Documentation Descriptors for describing area locations.

Schema Component Representation

```
<xs:simpleType name="TpegLoc03AreaDescriptorSubtypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="administrativeAreaName"/>
    <xs:enumeration value="administrativeReferenceName"/>
    <xs:enumeration value="areaName"/>
    <xs:enumeration value="countyName"/>
    <xs:enumeration value="lakeName"/>
    <xs:enumeration value="nationName"/>
    <xs:enumeration value="policeForceControlAreaName"/>
    <xs:enumeration value="regionName"/>
    <xs:enumeration value="seaName"/>
    <xs:enumeration value="townName"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: TpegLoc03IlcPointDescriptorSubtypeEnum

Super-types: [xs:string](#) < TpegLoc03IlcPointDescriptorSubtypeEnum (by restriction)

Sub-types:

- [TpegLoc03IlcPointDescriptorSubtypeEnum](#) (by extension)

Name TpegLoc03IlcPointDescriptorSubtypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'tpegIlcName1'|'tpegIlcName2'|'tpegIlcName3'|'_extended'}

Documentation Descriptors for describing a junction by identifying the intersecting roads at a road junction.

Schema Component Representation

```
<xs:simpleType name="TpegLoc03IlcPointDescriptorSubtypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="tpegIlcName1"/>
    <xs:enumeration value="tpegIlcName2"/>
    <xs:enumeration value="tpegIlcName3"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: TpegLoc03JunctionPointDescriptorSubtypeEnum

Super-types: [xs:string](#) < TpegLoc03JunctionPointDescriptorSubtypeEnum (by restriction)

Sub-types:

- [TpegLoc03JunctionPointDescriptorSubtypeEnum](#) (by extension)

Name TpegLoc03JunctionPointDescriptorSubtypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'junctionName'|'_extended'}

Documentation

Descriptors for describing a point at a road junction.

Schema Component Representation

```
<xs:simpleType name="TpegLoc03JunctionPointDescriptorSubtypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="junctionName"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: TpegLoc03OtherPointDescriptorSubtypeEnum

Super-types: [xs:string](#) < [TpegLoc03OtherPointDescriptorSubtypeEnum](#) (by restriction)

Sub-types:

- [_TpegLoc03OtherPointDescriptorSubtypeEnum](#) (by extension)

Name TpegLoc03OtherPointDescriptorSubtypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'administrativeAreaName'|'administrativeReferenceName'|'airportName'|'areaName'|'buildingName'|'busStopIdentifier'|'busStopName'|'canalName'|'c

Documentation Descriptors other than junction names and road descriptors which can help to identify the location of points on the road network.

Schema Component Representation

```
<xs:simpleType name="TpegLoc03OtherPointDescriptorSubtypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="administrativeAreaName"/>
    <xs:enumeration value="administrativeReferenceName"/>
    <xs:enumeration value="airportName"/>
    <xs:enumeration value="areaName"/>
    <xs:enumeration value="buildingName"/>
    <xs:enumeration value="busStopIdentifier"/>
    <xs:enumeration value="busStopName"/>
    <xs:enumeration value="canalName"/>
    <xs:enumeration value="countyName"/>
    <xs:enumeration value="ferryPortName"/>
    <xs:enumeration value="intersectionName"/>
    <xs:enumeration value="lakeName"/>
    <xs:enumeration value="linkName"/>
    <xs:enumeration value="localLinkName"/>
    <xs:enumeration value="metroStationName"/>
    <xs:enumeration value="nationName"/>
    <xs:enumeration value="nonLinkedPointName"/>
    <xs:enumeration value="parkingFacilityName"/>
    <xs:enumeration value="pointName"/>
    <xs:enumeration value="pointOfInterestName"/>
    <xs:enumeration value="railwayStation"/>
    <xs:enumeration value="regionName"/>
    <xs:enumeration value="riverName"/>
    <xs:enumeration value="seaName"/>
    <xs:enumeration value="serviceAreaName"/>
    <xs:enumeration value="tidalRiverName"/>
    <xs:enumeration value="townName"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: TpegLoc04HeightTypeEnum

Super-types: [xs:string](#) < [TpegLoc04HeightTypeEnum](#) (by restriction)

Sub-types:

- [_TpegLoc04HeightTypeEnum](#) (by extension)

Name TpegLoc04HeightTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'above'|'aboveSeaLevel'|'aboveStreetLevel'|'at'|'atSeaLevel'|'atStreetLevel'|'below'|'belowSeaLevel'|'belowStreetLevel'|'undefined'|'unknown'|'other'|'_

Documentation Types of height.

Schema Component Representation

```
<xs:simpleType name="TpegLoc04HeightTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="above"/>
    <xs:enumeration value="aboveSeaLevel"/>
    <xs:enumeration value="aboveStreetLevel"/>
    <xs:enumeration value="at"/>
    <xs:enumeration value="atSeaLevel"/>
    <xs:enumeration value="atStreetLevel"/>
    <xs:enumeration value="below"/>
    <xs:enumeration value="belowSeaLevel"/>
    <xs:enumeration value="belowStreetLevel"/>
    <xs:enumeration value="undefined"/>
```

```
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```


DATEXII_3_Parking

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Schema Document Properties

Target Namespace <http://datex2.eu/schema/3/parking>

Version 1

Element and Attribute Namespaces

- Global element and attribute declarations belong to this schema's target namespace.
- By default, local element declarations belong to this schema's target namespace.
- By default, local attribute declarations have no namespace.

Schema Composition

- This schema imports schema(s) from the following namespace(s):
 - <http://datex2.eu/schema/3/locationReferencing> (at DATEXII_3_LocationReferencing.xsd)
 - <http://datex2.eu/schema/3/facilities> (at DATEXII_3_Facilities.xsd)
 - <http://datex2.eu/schema/3/common> (at DATEXII_3_Common.xsd)
 - <http://datex2.eu/schema/3/roadTrafficData> (at DATEXII_3_RoadTrafficData.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
loc	http://datex2.eu/schema/3/locationReferencing
fac	http://datex2.eu/schema/3/facilities
com	http://datex2.eu/schema/3/common
roa	http://datex2.eu/schema/3/roadTrafficData
prk	http://datex2.eu/schema/3/parking

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="1"
targetNamespace="http://datex2.eu/schema/3/parking">
  <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
    schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/facilities" schemaLocation="DATEXII_3_Facilities.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/roadTrafficData" schemaLocation="DATEXII_3_RoadTrafficData.xsd"/>
  ...
</xs:schema>
```

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Global Definitions

Complex Type: **AccessStatus**

Super-types: [fac:FacilityStatus](#) < [ParkingStatusInformation](#) (by extension) < **AccessStatus** (by extension)

Sub-types: None

Name AccessStatus

Abstract no

XML Instance Representation

```

<...>
  <!-- 'fac:FacilityStatus' super type was not found in this schema. Some elements and attributes may be missing. -->
  <prk:queueingTime> com:Seconds </prk:queueingTime> [0..1] ?
  <prk:parkingConditions> prk:_ParkingConditionsEnum </prk:parkingConditions> [0..1] ?
  <prk:blurredAvailability> com:Boolean </prk:blurredAvailability> [0..1] ?
  <prk:parkingFault> prk:_ParkingFaultEnum </prk:parkingFault> [0..*] ?
  <prk:winterEquipmentManagementType> com:_WinterEquipmentManagementTypeEnum </prk:winterEquipmentManagementType> [0..*] ?
  <prk:parkingRouteStatus> prk:_ParkingRouteStatus </prk:parkingRouteStatus> [0..*]
  <prk:occupancy> prk:Occupancy </prk:occupancy> [0..1]
  <prk:statusValidity> prk:StatusValidity </prk:statusValidity> [0..1]
  <prk:operatingPatternStatus> prk:OperatingPatternStatus </prk:operatingPatternStatus> [0..*]
  <prk:supply> prk:Supply </prk:supply> [0..1]
  <prk:demandTable> prk:DemandTable </prk:demandTable> [0..1]
  <prk:_parkingStatusInformationExtension> com:_ExtensionType </prk:_parkingStatusInformationExtension> [0..1]
  <prk:entranceFull> com:Boolean </prk:entranceFull> [0..1] ?
  <prk:_accessStatusExtension> com:_ExtensionType </prk:_accessStatusExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="AccessStatus">
  <xs:complexContent>
    <xs:extension base="prk:_ParkingStatusInformation">
      <xs:sequence>
        <xs:element name="entranceFull" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_accessStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)Complex Type: **AdditionalCharacteristics**

Super-types:	None
Sub-types:	None

Name	AdditionalCharacteristics
Abstract	no
Documentation	Common additional characteristics for campus, (sub)places and spaces.

XML Instance Representation

```

<...>
  <prk:floor> com:String </prk:floor> [0..1] ?
  <prk:weightLimit> com:Tonnes </prk:weightLimit> [0..1] ?
  <prk:additionalConvenience> prk:_ParkingSpaceConvenienceEnum </prk:additionalConvenience> [0..*] ?
  <prk:structuralCharacteristics> prk:_ParkingStructuralCharacteristicsEnum </prk:structuralCharacteristics> [0..*] ?
  <prk:parkingMode> prk:_ParkingModeEnum </prk:parkingMode> [0..1] ?
  <prk:occupancyDetection> prk:_ParkingSpaceOccupancyDetectionEnum </prk:occupancyDetection> [0..1] ?
  <prk:temporarilyParking> com:Boolean </prk:temporarilyParking> [0..1] ?
  <prk:distanceFromPrimaryRoad> com:MetresAsNonNegativeInteger </prk:distanceFromPrimaryRoad> [0..1] ?
  <prk:assignment> prk:Assignment </prk:assignment> [0..*]
  <prk:dedicatedAccess> prk:DedicatedAccess </prk:dedicatedAccess> [0..*]
  <prk:totalDimension> fac:Dimension </prk:totalDimension> [0..1] ?
  <prk:minimumParkingSpaceDimension> fac:Dimension </prk:minimumParkingSpaceDimension> [0..1] ?
  <prk:maximumParkingSpaceDimension> fac:Dimension </prk:maximumParkingSpaceDimension> [0..1] ?
  <prk:_additionalCharacteristicsExtension> com:_ExtensionType </prk:_additionalCharacteristicsExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="AdditionalCharacteristics">
  <xs:sequence>
    <xs:element name="floor" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="weightLimit" type="com:Tonnes" minOccurs="0" maxOccurs="1"/>
    <xs:element name="additionalConvenience" type="prk:_ParkingSpaceConvenienceEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="structuralCharacteristics" type="prk:_ParkingStructuralCharacteristicsEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="parkingMode" type="prk:_ParkingModeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="occupancyDetection" type="prk:_ParkingSpaceOccupancyDetectionEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="temporarilyParking" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="distanceFromPrimaryRoad" type="com:MetresAsNonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="assignment" type="prk:Assignment" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="dedicatedAccess" type="prk:DedicatedAccess" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="totalDimension" type="fac:Dimension" minOccurs="0"/>
    <xs:element name="minimumParkingSpaceDimension" type="fac:Dimension" minOccurs="0"/>
    <xs:element name="maximumParkingSpaceDimension" type="fac:Dimension" minOccurs="0"/>
    <xs:element name="_additionalCharacteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)Complex Type: **Assignment**

Super-types:	None
--------------	------

Sub-types:	None
------------	------

Name	Assignment
Abstract	no
Documentation	An assignment for parking, optionally limited to a validity in time.

XML Instance Representation

```
<...>
  <prk:maximumParkingDuration> com:Seconds </prk:maximumParkingDuration> [0..1] ?
  <prk:minimumParkingDuration> com:Seconds </prk:minimumParkingDuration> [0..1] ?
  <prk:parkingAllowed> com:Boolean </prk:parkingAllowed> [0..1] ?
  <prk:reservation> fac:_ReservationTypeEnum </prk:reservation> [0..1] ?
  <prk:assignmentValidity> com:OverallPeriod </prk:assignmentValidity> [0..1]
  <prk:exclusivelyAssignedFor> fac:Eligibility </prk:exclusivelyAssignedFor> [0..1] ?
  <prk:prohibitedFor> fac:Eligibility </prk:prohibitedFor> [0..1] ?
  <prk:applicableFor> fac:Eligibility </prk:applicableFor> [0..1] ?
  <prk:_assignmentExtension> com:_ExtensionType </prk:_assignmentExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Assignment">
  <xs:sequence>
    <xs:element name="maximumParkingDuration" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
    <xs:element name="minimumParkingDuration" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
    <xs:element name="parkingAllowed" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="reservation" type="fac:_ReservationTypeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="assignmentValidity" type="com:OverallPeriod" minOccurs="0" maxOccurs="1"/>
    <xs:element name="exclusivelyAssignedFor" type="fac:Eligibility" minOccurs="0"/>
    <xs:element name="prohibitedFor" type="fac:Eligibility" minOccurs="0"/>
    <xs:element name="applicableFor" type="fac:Eligibility" minOccurs="0"/>
    <xs:element name="_assignmentExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: AvailableSpacesThresholds

Super-types:	Thresholds < AvailableSpacesThresholds (by extension)
Sub-types:	None

Name	AvailableSpacesThresholds
Abstract	no
Documentation	The threshold is defined by the number of available spaces on the parking.

XML Instance Representation

```
<...>
  <prk:lowerThreshold> com:NonNegativeInteger </prk:lowerThreshold> [0..1] ?
  <prk:upperThreshold> com:NonNegativeInteger </prk:upperThreshold> [0..1] ?
  <prk:lowerThresholdInPercent> com:Percentage </prk:lowerThresholdInPercent> [0..1] ?
  <prk:upperThresholdInPercent> com:Percentage </prk:upperThresholdInPercent> [0..1] ?
  <prk:boundaryValuesExcluded> com:Boolean </prk:boundaryValuesExcluded> [0..1] ?
  <prk:_thresholdsExtension> com:_ExtensionType </prk:_thresholdsExtension> [0..1]
  <prk:_availableSpacesThresholdsExtension> com:_ExtensionType </prk:_availableSpacesThresholdsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="AvailableSpacesThresholds">
  <xs:complexContent>
    <xs:extension base="prk:Thresholds">
      <xs:sequence>
        <xs:element name="_availableSpacesThresholdsExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: CampusStatus

Super-types:	fac:FacilityStatus < ParkingStatusInformation (by extension) < CampusStatus (by extension)
Sub-types:	None

Name	CampusStatus
Abstract	no
Documentation	Dynamic status information for the static object 'Campus'.

XML Instance Representation

```
<...>
  <!-- 'fac:FacilityStatus' super type was not found in this schema. Some elements and attributes may be missing. -->
  <prk:queueingTime> com:Seconds </prk:queueingTime> [0..1] ?
  <prk:parkingConditions> prk:_ParkingConditionsEnum </prk:parkingConditions> [0..1] ?
  <prk:blurredAvailability> com:Boolean </prk:blurredAvailability> [0..1] ?
  <prk:parkingFault> prk:_ParkingFaultEnum </prk:parkingFault> [0..*] ?
</...>
```

```

<prk:winterEquipmentManagementType> com:WinterEquipmentManagementTypeEnum </prk:winterEquipmentManagementType>
[0..*] ?
<prk:parkingRouteStatus> prk:ParkingRouteStatus </prk:parkingRouteStatus> [0..*]
<prk:occupancy> prk:Occupancy </prk:occupancy> [0..1]
<prk:statusValidity> prk:StatusValidity </prk:statusValidity> [0..1]
<prk:operatingPatternStatus> prk:OperatingPatternStatus </prk:operatingPatternStatus> [0..*]
<prk:supply> prk:Supply </prk:supply> [0..1]
<prk:demandTable> prk:DemandTable </prk:demandTable> [0..1]
<prk:parkingStatusInformationExtension> com:ExtensionType </prk:parkingStatusInformationExtension> [0..1]
<prk:status> prk:CampusStatusEnum </prk:status> [0..1] ?
<prk:campusStatusExtension> com:ExtensionType </prk:campusStatusExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="CampusStatus">
  <xs:complexContent>
    <xs:extension base="prk:ParkingStatusInformation">
      <xs:sequence>
        <xs:element name="status" type="prk:CampusStatusEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_campusStatusExtension" type="com:ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: CertifiedSecureParking

Super-types: None
Sub-types: None

Name CertifiedSecureParking
Abstract no
Documentation Certification for secure parking.

XML Instance Representation

```

<...>
  <prk:typeOfCertification> com:MultilingualString </prk:typeOfCertification> [1] ?
  <prk:dateOfCertification> com:Date </prk:dateOfCertification> [1] ?
  <prk:_certifiedSecureParkingExtension> com:ExtensionType </prk:_certifiedSecureParkingExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="CertifiedSecureParking">
  <xs:sequence>
    <xs:element name="typeOfCertification" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="dateOfCertification" type="com:Date" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_certifiedSecureParkingExtension" type="com:ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: Characteristics

Super-types: None
Sub-types: None

Name Characteristics
Abstract no
Documentation A class defining information concerning characteristics relating to a parking facility.

XML Instance Representation

```

<...>
  <prk:activationMode> prk:SessionActivationModeEnum </prk:activationMode> [0..*] ?
  <prk:structureGrade> prk:StructureGradeEnum </prk:structureGrade> [0..1] ?
  <prk:robotic> com:Boolean </prk:robotic> [0..1] ?
  <prk:accessControlled> com:Boolean </prk:accessControlled> [0..1] ?
  <prk:staffed> prk:StaffEnum </prk:staffed> [0..1] ?
  <prk:structureType> prk:StructureTypeEnum </prk:structureType> [1] ?
  <prk:coveredType> prk:CoveredEnum </prk:coveredType> [0..1] ?
  <prk:openToPublic> com:Boolean </prk:openToPublic> [0..1] ?
  <prk:spacesNonDedicated> com:NonNegativeInteger </prk:spacesNonDedicated> [0..1] ?
  <prk:spacesTotal> com:NonNegativeInteger </prk:spacesTotal> [0..1] ?
  <prk:accessForPersonsWithDisabilities> com:Boolean </prk:accessForPersonsWithDisabilities> [0..*] ?
  <prk:_characteristicsExtension> com:ExtensionType </prk:_characteristicsExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="Characteristics">
  <xs:sequence>
    <xs:element name="activationMode" type="prk:SessionActivationModeEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="structureGrade" type="prk:StructureGradeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="robotic" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="accessControlled" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="staffed" type="prk:StaffEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="structureType" type="prk:StructureTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="coveredType" type="prk:CoveredEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="openToPublic" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>

```

```

<xs:element name="spacesNonDedicated" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
<xs:element name="spacesTotal" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
<xs:element name="accessForPersonsWithDisabilities" type="com:Boolean" minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="_characteristicsExtension" type="com:_ExtensionType" minOccurs="0"/>
</xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: CommonComponents

Super-types: None
Sub-types: None

Name CommonComponents
Abstract no
Documentation A class defining information concerning multiple features relating to place hierarchy elements.

XML Instance Representation

```

<...>
<prk:rgbColour> prk:RgbColour </prk:rgbColour> [0..*]
<prk:characteristics> prk:Characteristics </prk:characteristics> [0..*]
<prk:parkingRoute> prk:ParkingRoute </prk:parkingRoute> [0..*]
<prk:marketing> prk:Marketing </prk:marketing> [0..1]
<prk:safetyStandardClassification> prk:SafetyStandardClassification </prk:safetyStandardClassification> [0..*]
<prk:parkingVms> prk:ParkingVms </prk:parkingVms> [0..*]
<prk:permitsAndProhibitions> prk:PermitsAndProhibitions </prk:permitsAndProhibitions> [0..*]
<prk:additionalCharacteristics> prk:AdditionalCharacteristics </prk:additionalCharacteristics> [0..1]
<prk:operatingPattern> prk:OperatingPattern </prk:operatingPattern> [0..*]
<prk:thresholdConfiguration> prk:ThresholdConfiguration </prk:thresholdConfiguration> [0..1]
<prk:_commonComponentsExtension> com:_ExtensionType </prk:_commonComponentsExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="CommonComponents">
  <xs:sequence>
    <xs:element name="rgbColour" type="prk:RgbColour" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="characteristics" type="prk:Characteristics" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="parkingRoute" type="prk:ParkingRoute" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="marketing" type="prk:Marketing" minOccurs="0"/>
    <xs:element name="safetyStandardClassification" type="prk:SafetyStandardClassification" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="parkingVms" type="prk:ParkingVms" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="permitsAndProhibitions" type="prk:PermitsAndProhibitions" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="additionalCharacteristics" type="prk:AdditionalCharacteristics" minOccurs="0"/>
    <xs:element name="operatingPattern" type="prk:OperatingPattern" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="thresholdConfiguration" type="prk:ThresholdConfiguration" minOccurs="0"/>
    <xs:element name="_commonComponentsExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: DedicatedAccess

Super-types: None
Sub-types: None

Name DedicatedAccess
Abstract no
Documentation Reference to an access of any type (vehicles, pedestrian, ...).

XML Instance Representation

```

<...>
<prk:dedicatedAccess> prk:_FacilityObjectVersionedReference </prk:dedicatedAccess> [1] ?
<prk:distanceFromParkingSpace> com:MetresAsNonNegativeInteger </prk:distanceFromParkingSpace> [0..1] ?
<prk:_dedicatedAccessExtension> com:_ExtensionType </prk:_dedicatedAccessExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="DedicatedAccess">
  <xs:sequence>
    <xs:element name="dedicatedAccess" type="prk:_FacilityObjectVersionedReference" minOccurs="1" maxOccurs="1"/>
    <xs:element name="distanceFromParkingSpace" type="com:MetresAsNonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_dedicatedAccessExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: DemandSpaceType

Super-types: None
Sub-types: None

Name DemandSpaceType
Abstract no

Documentation

Defines when a specific space within a place is occupied, for how long, and the total amount for this space for this time. Includes when occupancy was determined. This class includes actual and estimated start and end times of occupancy.

XML Instance Representation

```
<...>
<prk:spaceId> prk:_FacilityObjectReference </prk:spaceId> [0..*] ?
<prk:actualStart> com:DateTime </prk:actualStart> [0..1] ?
<prk:actualEnd> com:DateTime </prk:actualEnd> [0..1] ?
<prk:detectionUpdateTime> com:DateTime </prk:detectionUpdateTime> [1] ?
<prk:estimatedStart> com:DateTime </prk:estimatedStart> [0..1] ?
<prk:estimatedEnd> com:DateTime </prk:estimatedEnd> [0..1] ?
<prk:occupancyLevel> prk:OccupancyLevel </prk:occupancyLevel> [0..1]
<prk:_demandSpaceTypeExtension> com:_ExtensionType </prk:_demandSpaceTypeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DemandSpaceType">
  <xs:sequence>
    <xs:element name="spaceId" type="prk:_FacilityObjectReference" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="actualStart" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="actualEnd" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="detectionUpdateTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
    <xs:element name="estimatedStart" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="estimatedEnd" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="occupancyLevel" type="prk:OccupancyLevel" minOccurs="0"/>
    <xs:element name="_demandSpaceTypeExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: DemandTable

Super-types:	None
Sub-types:	None

Name	DemandTable
Abstract	no
Documentation	Table structure which defines the parameters of reporting actual usage of parking in a Hierarchy Element

XML Instance Representation

```
<...>
<prk:frequency> fac:Duration </prk:frequency> [0..1] ?
<prk:timestamp> com:DateTime </prk:timestamp> [1] ?
<prk:demandType> prk:DemandType </prk:demandType> [0..*]
<prk:demandSpaceType> prk:DemandSpaceType </prk:demandSpaceType> [0..*]
<prk:_demandTableExtension> com:_ExtensionType </prk:_demandTableExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DemandTable">
  <xs:sequence>
    <xs:element name="frequency" type="fac:Duration" minOccurs="0" maxOccurs="1"/>
    <xs:element name="timestamp" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
    <xs:element name="demandType" type="prk:DemandType" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="demandSpaceType" type="prk:DemandSpaceType" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_demandTableExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: DemandType

Super-types:	None
Sub-types:	None

Name	DemandType
Abstract	no
Documentation	Defines occupancy at a hierarchy element without specific space details. This is an aggregate count of demand activity within the Place hierarchy.

XML Instance Representation

```
<...>
<prk:creationTime> com:DateTime </prk:creationTime> [1] ?
<prk:occupancyCalculation> prk:_CalculationTypeEnum </prk:occupancyCalculation> [1..*] ?
<prk:count> com:NonNegativeInteger </prk:count> [0..1] ?
<prk:percentage> com:Percentage </prk:percentage> [0..1] ?
<prk:_demandTypeExtension> com:_ExtensionType </prk:_demandTypeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DemandType">
  <xs:sequence>
    <xs:element name="creationTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
    <xs:element name="occupancyCalculation" type="prk:_CalculationTypeEnum" minOccurs="1" maxOccurs="unbounded"/>
    <xs:element name="count" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```



```

<xs:element name="percentage" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
<xs:element name="_demandTypeExtension" type="com:_ExtensionType" minOccurs="0"/>
</xs:sequence>
</xs:complexType>

```

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Complex Type: **HierarchyElementGeneral**

Super-types: [fac:Facility](#) < [HierarchyElementGeneral](#) (by extension)

Sub-types:

- [IdentifiedArea](#) (by extension)
 - [SupplementalFacility](#) (by extension)
- [Place](#) (by extension)

Name	HierarchyElementGeneral
Abstract	yes
Documentation	A generalised component of a place hierarchy, that forms one element in the tree-like hierarchy.

XML Instance Representation

```

<!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
<prk:layer> com:NonNegativeInteger </prk:layer> [1] ?
<prk:type> prk:_HierarchyElementTypeEnum </prk:type> [1] ?
<prk:parentId> prk:_FacilityObjectVersionedReference </prk:parentId> [0..1] ?
<prk:childId> prk:_FacilityObjectVersionedReference </prk:childId> [0..*] ?
<prk:operatorDefinedReference> prk:_OperatorDefinedPlaceVersionedReference </prk:operatorDefinedReference> [0..1] ?
<prk:occupancyLevel> prk:OccupancyLevel </prk:occupancyLevel> [0..1]
<prk:operatorDefinedPlace> prk:OperatorDefinedPlace </prk:operatorDefinedPlace> [0..*]
<prk:_hierarchyElementGeneralExtension> com:_ExtensionType </prk:_hierarchyElementGeneralExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="HierarchyElementGeneral" abstract="true">
  <xs:complexContent>
    <xs:extension base="fac:Facility">
      <xs:sequence>
        <xs:element name="layer" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
        <xs:element name="type" type="prk:_HierarchyElementTypeEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="parentId" type="prk:_FacilityObjectVersionedReference" minOccurs="0" maxOccurs="1"/>
        <xs:element name="childId" type="prk:_FacilityObjectVersionedReference" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="operatorDefinedReference" type="prk:_OperatorDefinedPlaceVersionedReference" minOccurs="0" maxOccurs="1"/>
        <xs:element name="occupancyLevel" type="prk:OccupancyLevel" minOccurs="0"/>
        <xs:element name="operatorDefinedPlace" type="prk:OperatorDefinedPlace" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_hierarchyElementGeneralExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: **IdentifiedArea**

Super-types: [fac:Facility](#) < [HierarchyElementGeneral](#) (by extension) < [IdentifiedArea](#) (by extension)

Sub-types:

- [SupplementalFacility](#) (by extension)

Name	IdentifiedArea
Abstract	yes
Documentation	An identifiable discrete bounded geographic zone that shares common characteristics and is used for parking and mobility related operations or other purposes.

XML Instance Representation

```

<!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
<prk:layer> com:NonNegativeInteger </prk:layer> [1] ?
<prk:type> prk:_HierarchyElementTypeEnum </prk:type> [1] ?
<prk:parentId> prk:_FacilityObjectVersionedReference </prk:parentId> [0..1] ?
<prk:childId> prk:_FacilityObjectVersionedReference </prk:childId> [0..*] ?
<prk:operatorDefinedReference> prk:_OperatorDefinedPlaceVersionedReference </prk:operatorDefinedReference> [0..1] ?
<prk:occupancyLevel> prk:OccupancyLevel </prk:occupancyLevel> [0..1]
<prk:operatorDefinedPlace> prk:OperatorDefinedPlace </prk:operatorDefinedPlace> [0..*]
<prk:_hierarchyElementGeneralExtension> com:_ExtensionType </prk:_hierarchyElementGeneralExtension> [0..1]
<prk:_identifiedAreaExtension> com:_ExtensionType </prk:_identifiedAreaExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="IdentifiedArea" abstract="true">
  <xs:complexContent>
    <xs:extension base="prk:HierarchyElementGeneral">
      <xs:sequence>
        <xs:element name="_identifiedAreaExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```



```
</xs:complexType>
```

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Complex Type: ImageAlbum

Super-types: None
Sub-types: None

Name ImageAlbum
Abstract no
Documentation A class defining information relating to images for a parking facility.

XML Instance Representation

```
<...>
  <prk:logoImage> com:Url </prk:logoImage> [0..*] ?
  <prk:photo> com:Url </prk:photo> [0..1] ?
  <prk:caption> com:MultilingualString </prk:caption> [0..*] ?
  <prk:_imageAlbumExtension> com:_ExtensionType </prk:_imageAlbumExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ImageAlbum">
  <xs:sequence>
    <xs:element name="logoImage" type="com:Url" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="photo" type="com:Url" minOccurs="0" maxOccurs="1"/>
    <xs:element name="caption" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_imageAlbumExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: Marketing

Super-types: None
Sub-types: None

Name Marketing
Abstract no
Documentation Universal resource locator (URI) that points towards a web site carrying marketing material supplied.

XML Instance Representation

```
<...>
  <prk:webUrl> com:Url </prk:webUrl> [0..*] ?
  <prk:imageAlbum> prk:ImageAlbum </prk:imageAlbum> [0..*]
  <prk:_marketingExtension> com:_ExtensionType </prk:_marketingExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Marketing">
  <xs:sequence>
    <xs:element name="webUrl" type="com:Url" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="imageAlbum" type="prk:ImageAlbum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_marketingExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: Occupancy

Super-types: None
Sub-types: None

Name Occupancy
Abstract no
Documentation Information on the used and remaining parking capacity.

XML Instance Representation

```
<...>
  <prk:numberOfSpacesOverride> com:NonNegativeInteger </prk:numberOfSpacesOverride> [0..1] ?
  <prk:numberOfVacantSpaces> com:NonNegativeInteger </prk:numberOfVacantSpaces> [0..1] ?
  <prk:numberOfVacantSpacesLowerThan> com:NonNegativeInteger </prk:numberOfVacantSpacesLowerThan> [0..1] ?
  <prk:numberOfVacantSpacesHigherThan> com:NonNegativeInteger </prk:numberOfVacantSpacesHigherThan> [0..1] ?
  <prk:numberOfVacantSpacesGraded> prk:_ParkingVacantSpacesEnum </prk:numberOfVacantSpacesGraded> [0..1] ?
  <prk:numberOfOccupiedSpaces> com:NonNegativeInteger </prk:numberOfOccupiedSpaces> [0..1] ?
  <prk:numberOfVehicles> com:NonNegativeInteger </prk:numberOfVehicles> [0..1] ?
  <prk:occupancy> com:Percentage </prk:occupancy> [0..1] ?
  <prk:occupancyGraded> prk:_ParkingOccupancyEnum </prk:occupancyGraded> [0..1] ?
  <prk:occupancyTrend> prk:_ParkingOccupancyTrendEnum </prk:occupancyTrend> [0..1] ?
  <prk:parkingNotAllowed> com:Boolean </prk:parkingNotAllowed> [0..1] ?
  <prk:probability> com:PercentageValue </prk:probability> [0..1] ?
  <prk:vehicleCountAndRate> prk:VehicleCountAndRate </prk:vehicleCountAndRate> [0..*]
  <prk:overrideThresholdConfiguration> prk:ThresholdConfiguration </prk:overrideThresholdConfiguration> [0..1] ?
</...>
```

```
<prk:_occupancyExtension> com:_ExtensionType </prk:_occupancyExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Occupancy">
  <xs:sequence>
    <xs:element name="numberOfSpacesOverride" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="numberOfVacantSpaces" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="numberOfVacantSpacesLowerThan" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="numberOfVacantSpacesHigherThan" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="numberOfVacantSpacesGraded" type="prk:_ParkingVacantSpacesEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="numberOfOccupiedSpaces" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="numberOfVehicles" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="occupancy" type="com:Percentage" minOccurs="0" maxOccurs="1"/>
    <xs:element name="occupancyGraded" type="prk:_ParkingOccupancyEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="occupancyTrend" type="prk:_ParkingOccupancyTrendEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="parkingNotAllowed" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="probability" type="com:PercentageValue" minOccurs="0"/>
    <xs:element name="vehicleCountAndRate" type="prk:_VehicleCountAndRate" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="overrideThresholdConfiguration" type="prk:_ThresholdConfiguration" minOccurs="0"/>
    <xs:element name="_occupancyExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **OccupancyChangeValue**

Super-types: [com:DataValue](#) < **OccupancyChangeValue** (by extension)
Sub-types: None

Name OccupancyChangeValue
Abstract no
Documentation A measured or calculated value of change of occupied parking spaces expressed as integer.

XML Instance Representation

```
<!-- 'com:DataValue' super type was not found in this schema. Some elements and attributes may be missing. -->
<prk:occupancyChange> com:Integer </prk:occupancyChange> [1] ?
<prk:_occupancyChangeValueExtension> com:_ExtensionType </prk:_occupancyChangeValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OccupancyChangeValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="occupancyChange" type="com:Integer" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_occupancyChangeValueExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: **OccupancyLevel**

Super-types: None
Sub-types: None

Name OccupancyLevel
Abstract no
Documentation Defines an occupancy level as specified by the data supplier.

XML Instance Representation

```
<prk:occupanyIndicator> prk:_ParkingOccupancyEnum </prk:occupanyIndicator> [1] ?
<prk:_occupancyLevelExtension> com:_ExtensionType </prk:_occupancyLevelExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OccupancyLevel">
  <xs:sequence>
    <xs:element name="occupanyIndicator" type="prk:_ParkingOccupancyEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_occupancyLevelExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **OccupiedSpacesThresholds**

Super-types: [Thresholds](#) < **OccupiedSpacesThresholds** (by extension)
Sub-types: None

Name OccupiedSpacesThresholds

Abstract	no
Documentation	The threshold is defined by the number of occupied spaces on the parking.

XML Instance Representation

```
<...>
  <prk:lowerThreshold> com:NonNegativeInteger </prk:lowerThreshold> [0..1] ?
  <prk:upperThreshold> com:NonNegativeInteger </prk:upperThreshold> [0..1] ?
  <prk:lowerThresholdInPercent> com:Percentage </prk:lowerThresholdInPercent> [0..1] ?
  <prk:upperThresholdInPercent> com:Percentage </prk:upperThresholdInPercent> [0..1] ?
  <prk:boundaryValuesExcluded> com:Boolean </prk:boundaryValuesExcluded> [0..1] ?
  <prk:_thresholdsExtension> com:_ExtensionType </prk:_thresholdsExtension> [0..1]
  <prk:_occupiedSpacesThresholdsExtension> com:_ExtensionType </prk:_occupiedSpacesThresholdsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OccupiedSpacesThresholds">
  <xs:complexContent>
    <xs:extension base="prk:Thresholds">
      <xs:sequence>
        <xs:element name="_occupiedSpacesThresholdsExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: **OperatingPattern**

Super-types:	None
Sub-types:	• OperatingRestriction (by extension) • UsageScenario (by extension)

Name	OperatingPattern
Abstract	yes
Documentation	Specifies a usage scenario or operator restriction, optional with a validity and related location.

XML Instance Representation

```
<...
  operatingPatternIndex="com:Integer [1] ? ">
  <prk:relatedLocation> prk:RelatedLocation </prk:relatedLocation> [0..*]
  <prk:validity> com:OverallPeriod </prk:validity> [0..1]
  <prk:_operatingPatternExtension> com:_ExtensionType </prk:_operatingPatternExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OperatingPattern" abstract="true">
  <xs:sequence>
    <xs:element name="relatedLocation" type="prk:RelatedLocation" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="validity" type="com:OverallPeriod" minOccurs="0"/>
    <xs:element name="_operatingPatternExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="operatingPatternIndex" type="com:Integer" use="required"/>
</xs:complexType>
```

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Complex Type: **OperatingPatternStatus**

Super-types:	None
Sub-types:	None

Name	OperatingPatternStatus
Abstract	no
Documentation	The current status for this operating pattern.

XML Instance Representation

```
<...
  operatingPatternIndex="com:Integer [1] ? ">
  <prk:operationStatus> fac:_OperationStatusEnum </prk:operationStatus> [1] ?
  <prk:ptScheduleUpdate> prk:PublicTransportSchedule </prk:ptScheduleUpdate> [0..*] ?
  <prk:_operatingPatternStatusExtension> com:_ExtensionType </prk:_operatingPatternStatusExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="OperatingPatternStatus">
  <xs:sequence>
    <xs:element name="operationStatus" type="fac:_OperationStatusEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="ptScheduleUpdate" type="prk:PublicTransportSchedule" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_operatingPatternStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="operatingPatternIndex" type="com:Integer" use="required"/>
</xs:complexType>
```

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Complex Type: **OperatingRestriction**

Super-types:	OperatingPattern < OperatingRestriction (by extension)
Sub-types:	None

Name	OperatingRestriction
<u>Abstract</u>	no
Documentation	A class defining an operating restriction.

XML Instance Representation

```
<...
  operatingPatternIndex="com:Integer [1] ?">
    <prk:relatedLocation> prk:RelatedLocation </prk:relatedLocation> [0..*]
    <prk:validity> com:OverallPeriod </prk:validity> [0..1]
    <prk:_operatingPatternExtension> com:_ExtensionType </prk:_operatingPatternExtension> [0..1]
    <prk:context> com:MultilingualString </prk:context> [0..1] ?
    <prk:type> prk:_OperatingRestrictionsEnum </prk:type> [1] ?
    <prk:_operatingRestrictionExtension> com:_ExtensionType </prk:_operatingRestrictionExtension> [0..1]
  </...>
```

Schema Component Representation

```
<xs:complexType name="OperatingRestriction">
  <xs:complexContent>
    <xs:extension base="prk:OperatingPattern">
      <xs:sequence>
        <xs:element name="context" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="type" type="prk:_OperatingRestrictionsEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_operatingRestrictionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:complexContent>
  </xs:complexType>
```

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Complex Type: **OperatorDefinedPlace**

Super-types:	None
Sub-types:	None

Name	OperatorDefinedPlace
<u>Abstract</u>	no
Documentation	Class providing an operator specified name or identifier for a place hierarchy element - this may be distinct from the name for the HierarchyElement supplied by the data supplier.

XML Instance Representation

```
<...
  id="xs:string [1]"
  version="xs:string [1]">
    <prk:identifier> com:String </prk:identifier> [1] ?
    <prk:organisation> fac:Organisation </prk:organisation> [0..*]
    <prk:_operatorDefinedPlaceExtension> com:_ExtensionType </prk:_operatorDefinedPlaceExtension> [0..1]
  </...>
```

Schema Component Representation

```
<xs:complexType name="OperatorDefinedPlace">
  <xs:sequence>
    <xs:element name="identifier" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="organisation" type="fac:Organisation" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_operatorDefinedPlaceExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="id" type="xs:string" use="required"/>
  <xs:attribute name="version" type="xs:string" use="required"/>
</xs:complexType>
```

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Complex Type: **ParkingRoute**

Super-types:	None
Sub-types:	ParkingRouteByReference (by extension) ParkingRouteDetails (by extension)

Name	ParkingRoute
<u>Abstract</u>	yes
Documentation	A parking route, defined by ParkingRouteDetails or by a reference.

XML Instance Representation

```
<...>
  <prk:parkingRouteColour> prk:RgbColour </prk:parkingRouteColour> [0..1] ?
  <prk:_parkingRouteExtension> com:_ExtensionType </prk:_parkingRouteExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingRoute" abstract="true">
```

```

<xs:sequence>
  <xs:element name="parkingRouteColour" type="prk:RgbColour" minOccurs="0"/>
  <xs:element name="_parkingRouteExtension" type="com:_ExtensionType" minOccurs="0"/>
</xs:sequence>
</xs:complexType>

```

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Complex Type: ParkingRouteByReference

Super-types: [ParkingRoute](#) < ParkingRouteByReference (by extension)

Sub-types: None

Name: ParkingRouteByReference

Abstract: no

Documentation: A route defined by a reference to an earlier specified route.

XML Instance Representation

```

<...>
  <prk:parkingRouteColour> prk:RgbColour </prk:parkingRouteColour> [0..1] ?
  <prk:_parkingRouteExtension> com:_ExtensionType </prk:_parkingRouteExtension> [0..1]
  <prk:parkingRouteReference> prk:_ParkingRouteDetailsVersionedReference </prk:parkingRouteReference> [1] ?
  <prk:_parkingRouteByReferenceExtension> com:_ExtensionType </prk:_parkingRouteByReferenceExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="ParkingRouteByReference">
  <xs:complexContent>
    <xs:extension base="prk:ParkingRoute">
      <xs:sequence>
        <xs:element name="parkingRouteReference" type="prk:_ParkingRouteDetailsVersionedReference" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_parkingRouteByReferenceExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

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Complex Type: ParkingRouteDetails

Super-types: [ParkingRoute](#) < ParkingRouteDetails (by extension)

Sub-types: None

Name: ParkingRouteDetails

Abstract: no

Documentation: Urban context: Defining parking routes leading to the parking site. Truck parking context: Can be used to define a dynamic route management.

XML Instance Representation

```

<...
  id="xs:string [1]"
  version="xs:string [1]">
  <prk:parkingRouteColour> prk:RgbColour </prk:parkingRouteColour> [0..1] ?
  <prk:_parkingRouteExtension> com:_ExtensionType </prk:_parkingRouteExtension> [0..1]
  <prk:name> com:MultilingualString </prk:name> [0..1] ?
  <prk:type> prk:_ParkingRouteTypeEnum </prk:type> [0..1] ?
  <prk:dynamicRouteManagement> com:Boolean </prk:dynamicRouteManagement> [0..1] ?
  <prk:iconIndex> com:String </prk:iconIndex> [0..1] ?
  <prk:direction> loc:_DirectionEnum </prk:direction> [0..1] ?
  <prk:orientation> prk:_ParkingRouteOrientationEnum </prk:orientation> [0..2] ?
  <prk:locationReference> loc:LocationReference </prk:locationReference> [0..1]
  <prk:parkingVms> prk:ParkingVms </prk:parkingVms> [0..*]
  <prk:_parkingRouteDetailsExtension> com:_ExtensionType </prk:_parkingRouteDetailsExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="ParkingRouteDetails">
  <xs:complexContent>
    <xs:extension base="prk:ParkingRoute">
      <xs:sequence>
        <xs:element name="name" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="type" type="prk:_ParkingRouteTypeEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="dynamicRouteManagement" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="iconIndex" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="direction" type="loc:_DirectionEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="orientation" type="prk:_ParkingRouteOrientationEnum" minOccurs="0" maxOccurs="2"/>
        <xs:element name="locationReference" type="loc:LocationReference" minOccurs="0"/>
        <xs:element name="parkingVms" type="prk:ParkingVms" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_parkingRouteDetailsExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
      <xs:attribute name="id" type="xs:string" use="required"/>
      <xs:attribute name="version" type="xs:string" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

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Complex Type: **ParkingRouteStatus**

Super-types: None
Sub-types: None

Name ParkingRouteStatus
Abstract no
Documentation The status as well as the travel times of a parking route (active/inactive) defined in the static part of the model.

XML Instance Representation

```
<...>
  <prk:parkingRouteReference> prk:_ParkingRouteDetailsVersionedReference </prk:parkingRouteReference> [1] ?
  <prk:parkingRouteActive> com:Boolean </prk:parkingRouteActive> [1] ?
  <prk:travelTimeData> roa:TravelTimeData </prk:travelTimeData> [0..*]
  <prk:_parkingRouteStatusExtension> com:_ExtensionType </prk:_parkingRouteStatusExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingRouteStatus">
  <xs:sequence>
    <xs:element name="parkingRouteReference" type="prk:_ParkingRouteDetailsVersionedReference" minOccurs="1"
      maxOccurs="1"/>
    <xs:element name="parkingRouteActive" type="com:Boolean" minOccurs="1" maxOccurs="1"/>
    <xs:element name="travelTimeData" type="roa:TravelTimeData" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_parkingRouteStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: **ParkingStatusInformation**

Super-types: [fac:FacilityStatus](#) < ParkingStatusInformation (by extension)
Sub-types:

- [AccessStatus](#) (by extension)
- [CampusStatus](#) (by extension)
- [PlaceStatus](#) (by extension)
- [SpaceStatus](#) (by extension)

Name ParkingStatusInformation
Abstract no
Documentation General status information for parking related objects. Can also be historical or forecasted data. In this case, 'StatusValidity' must be specified.

XML Instance Representation

```
<!-- 'fac:FacilityStatus' super type was not found in this schema. Some elements and attributes may be missing. -->
<...>
  <prk:queueingTime> com:Seconds </prk:queueingTime> [0..1] ?
  <prk:parkingConditions> prk:_ParkingConditionsEnum </prk:parkingConditions> [0..1] ?
  <prk:blurredAvailability> com:Boolean </prk:blurredAvailability> [0..1] ?
  <prk:parkingFault> prk:_ParkingFaultEnum </prk:parkingFault> [0..*] ?
  <prk:winterEquipmentManagementType> com:_WinterEquipmentManagementTypeEnum </prk:winterEquipmentManagementType>
    [0..*] ?
  <prk:parkingRouteStatus> prk:ParkingRouteStatus </prk:parkingRouteStatus> [0..*]
  <prk:occupancy> prk:Occupancy </prk:occupancy> [0..1]
  <prk:statusValidity> prk:StatusValidity </prk:statusValidity> [0..1]
  <prk:operatingPatternStatus> prk:OperatingPatternStatus </prk:operatingPatternStatus> [0..*]
  <prk:supply> prk:Supply </prk:supply> [0..1]
  <prk:demandTable> prk:DemandTable </prk:demandTable> [0..1]
  <prk:_parkingStatusInformationExtension> com:_ExtensionType </prk:_parkingStatusInformationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingStatusInformation">
  <xs:complexContent>
    <xs:extension base="fac:FacilityStatus">
      <xs:sequence>
        <xs:element name="queueingTime" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
        <xs:element name="parkingConditions" type="prk:_ParkingConditionsEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="blurredAvailability" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="parkingFault" type="prk:_ParkingFaultEnum" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="winterEquipmentManagementType" type="com:_WinterEquipmentManagementTypeEnum"
          minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="parkingRouteStatus" type="prk:ParkingRouteStatus" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="occupancy" type="prk:Occupancy" minOccurs="0"/>
        <xs:element name="statusValidity" type="prk:StatusValidity" minOccurs="0"/>
        <xs:element name="operatingPatternStatus" type="prk:OperatingPatternStatus" minOccurs="0"
          maxOccurs="unbounded"/>
        <xs:element name="supply" type="prk:Supply" minOccurs="0"/>
        <xs:element name="demandTable" type="prk:DemandTable" minOccurs="0"/>
        <xs:element name="_parkingStatusInformationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: **ParkingStatusPublication**

Super-types: [com:PayloadPublication](#) < ParkingStatusPublication (by extension)
Sub-types: None

Name ParkingStatusPublication
Abstract no
Documentation A publication containing the current status of one or more objects of the place hierarchy defined in the ParkingStatusPublication.

XML Instance Representation

```
<...>
<!-- 'com:PayloadPublication' super type was not found in this schema. Some elements and attributes may be missing. -->
<prk:parkingTableReference> prk:_ParkingTableVersionedReference </prk:parkingTableReference> [0..*] ?
<prk:headerInformation> com:HeaderInformation </prk:headerInformation> [0..1]
<prk:parkingStatusInformation> prk:ParkingStatusInformation </prk:parkingStatusInformation> [1..*]
<prk:_parkingStatusPublicationExtension> com:_ExtensionType </prk:_parkingStatusPublicationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingStatusPublication">
  <xs:complexContent>
    <xs:extension base="com:PayloadPublication">
      <xs:sequence>
        <xs:element name="parkingTableReference" type="prk:_ParkingTableVersionedReference" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="headerInformation" type="com:HeaderInformation" minOccurs="0"/>
        <xs:element name="parkingStatusInformation" type="prk:ParkingStatusInformation" maxOccurs="unbounded"/>
        <xs:element name="_parkingStatusPublicationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: ParkingTable

Super-types: None
Sub-types: None

Name ParkingTable
Abstract no
Documentation Parking information described by a number of tree-like place hierarchies.

XML Instance Representation

```
<...
  id="xs:string [1]"
  version="xs:string [1]">
  <prk:name> com:MultilingualString </prk:name> [0..1] ?
  <prk:versionTime> com:DateTime </prk:versionTime> [1] ?
  <prk:informationManager> com:InternationalIdentifier </prk:informationManager> [0..1] ?
  <prk:hierarchyElementGeneral> prk:HierarchyElementGeneral </prk:hierarchyElementGeneral> [1..*]
  <prk:_parkingTableExtension> com:_ExtensionType </prk:_parkingTableExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingTable">
  <xs:sequence>
    <xs:element name="name" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="versionTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
    <xs:element name="informationManager" type="com:InternationalIdentifier" minOccurs="0"/>
    <xs:element name="hierarchyElementGeneral" type="prk:HierarchyElementGeneral" maxOccurs="unbounded"/>
    <xs:element name="_parkingTableExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="id" type="xs:string" use="required"/>
  <xs:attribute name="version" type="xs:string" use="required"/>
</xs:complexType>
```

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Complex Type: ParkingTablePublication

Super-types: [com:PayloadPublication](#) < ParkingTablePublication (by extension)
Sub-types: None

Name ParkingTablePublication
Abstract no
Documentation A publication to define static information about sites or geographic areas designed to park vehicles, organised in tables.

XML Instance Representation

```
<...>
<!-- 'com:PayloadPublication' super type was not found in this schema. Some elements and attributes may be missing. -->
<prk:headerInformation> com:HeaderInformation </prk:headerInformation> [0..1]
<prk:parkingTable> prk:ParkingTable </prk:parkingTable> [1..*]
<prk:_parkingTablePublicationExtension> com:_ExtensionType </prk:_parkingTablePublicationExtension> [0..1]
</...>
```


</...>

Schema Component Representation

```
<xs:complexType name="ParkingTablePublication">
  <xs:complexContent>
    <xs:extension base="com:PayloadPublication">
      <xs:sequence>
        <xs:element name="headerInformation" type="com:HeaderInformation" minOccurs="0"/>
        <xs:element name="parkingTable" type="prk:ParkingTable" maxOccurs="unbounded"/>
        <xs:element name="_parkingTablePublicationExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **ParkingVms**

Super-types:	None
Sub-types:	None

Name	ParkingVms
<u>Abstract</u>	no
Documentation	A reference to a record that contains the metadata for a specific VMS unit that may be used to manage the parking (e.g. to indicate to drivers the current availability of spaces) or a parking route.

XML Instance Representation

```
<...>
  <prk:vmsUsedToManageParking> prk:_VmsControllerVersionedReference </prk:vmsUsedToManageParking> [1] ?
  <prk:vmsOperator> fac:Organisation </prk:vmsOperator> [0..1]
  <prk:_parkingVmsExtension> com:_ExtensionType </prk:_parkingVmsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ParkingVms">
  <xs:sequence>
    <xs:element name="vmsUsedToManageParking" type="prk:_VmsControllerVersionedReference" minOccurs="1"
      maxOccurs="1"/>
    <xs:element name="vmsOperator" type="fac:Organisation" minOccurs="0"/>
    <xs:element name="_parkingVmsExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **PermitsAndProhibitions**

Super-types:	None
Sub-types:	None

Name	PermitsAndProhibitions
<u>Abstract</u>	no
Documentation	Defines sets of action and regulations to specify permitted and prohibited issues.

XML Instance Representation

```
<...>
  <prk:activity> prk:_ActivityEnum </prk:activity> [1] ?
  <prk:regulation> prk:_RegulationEnum </prk:regulation> [1] ?
  <prk:_permitsAndProhibitionsExtension> com:_ExtensionType </prk:_permitsAndProhibitionsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PermitsAndProhibitions">
  <xs:sequence>
    <xs:element name="activity" type="prk:_ActivityEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="regulation" type="prk:_RegulationEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_permitsAndProhibitionsExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **Place**

Super-types:	fac:Facility < HierarchyElementGeneral (by extension) < Place (by extension)
Sub-types:	None

Name	Place
<u>Abstract</u>	no
Documentation	A place or location used for parking, loading, unloading, standing, or some other mobility or transport related activity.

XML Instance Representation

```
<...>
```



```
<!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
<prk:layer> com:NonNegativeInteger </prk:layer> [1] ?
<prk:type> prk:_HierarchyElementTypeEnum </prk:type> [1] ?
<prk:parentId> prk:_FacilityObjectVersionedReference </prk:parentId> [0..1] ?
<prk:childId> prk:_FacilityObjectVersionedReference </prk:childId> [0..*] ?
<prk:operatorDefinedReference> prk:_OperatorDefinedPlaceVersionedReference </prk:operatorDefinedReference> [0..1] ?
<prk:occupancyLevel> prk:_OccupancyLevel </prk:occupancyLevel> [0..1]
<prk:operatorDefinedPlace> prk:_OperatorDefinedPlace </prk:operatorDefinedPlace> [0..*]
<prk:_hierarchyElementGeneralExtension> com:_ExtensionType </prk:_hierarchyElementGeneralExtension> [0..1]
<prk:layout> prk:_LayoutEnum </prk:layout> [0..1] ?
<prk:availableFloors> com:String </prk:availableFloors> [0..1] ?
<prk:commonComponents> prk:_CommonComponents </prk:commonComponents> [0..1]
<prk:_placeExtension> com:_ExtensionType </prk:_placeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Place">
  <xs:complexContent>
    <xs:extension base="prk:_HierarchyElementGeneral">
      <xs:sequence>
        <xs:element name="layout" type="prk:_LayoutEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="availableFloors" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="commonComponents" type="prk:_CommonComponents" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_placeExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: PlaceStatus

Super-types: [fac:FacilityStatus](#) < [ParkingStatusInformation](#) (by extension) < **PlaceStatus** (by extension)

Sub-types: None

Name	PlaceStatus
Abstract	no
Documentation	Dynamic status information for the static object 'Place' or 'SubplaceElement'.

XML Instance Representation

```
<!-- 'fac:FacilityStatus' super type was not found in this schema. Some elements and attributes may be missing. -->
<prk:queueingTime> com:Seconds </prk:queueingTime> [0..1] ?
<prk:parkingConditions> prk:_ParkingConditionsEnum </prk:parkingConditions> [0..1] ?
<prk:blurredAvailability> com:Boolean </prk:blurredAvailability> [0..1] ?
<prk:parkingFault> prk:_ParkingFaultEnum </prk:parkingFault> [0..*] ?
<prk:winterEquipmentManagementType> com:_WinterEquipmentManagementTypeEnum </prk:winterEquipmentManagementType> [0..*] ?
<prk:parkingRouteStatus> prk:_ParkingRouteStatus </prk:parkingRouteStatus> [0..*]
<prk:occupancy> prk:_Occupancy </prk:occupancy> [0..1]
<prk:statusValidity> prk:_StatusValidity </prk:statusValidity> [0..1]
<prk:operatingPatternStatus> prk:_OperatingPatternStatus </prk:operatingPatternStatus> [0..*]
<prk:supply> prk:_Supply </prk:supply> [0..1]
<prk:demandTable> prk:_DemandTable </prk:demandTable> [0..1]
<prk:_parkingStatusInformationExtension> com:_ExtensionType </prk:_parkingStatusInformationExtension> [0..1]
<prk:status> prk:_ParkingPlaceStatusEnum </prk:status> [0..*] ?
<prk:parkingPlaceFullAtFloor> com:String </prk:parkingPlaceFullAtFloor> [0..*] ?
<prk:declarationValidNow> com:Boolean </prk:declarationValidNow> [0..1] ?
<prk:_placeStatusExtension> com:_ExtensionType </prk:_placeStatusExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PlaceStatus">
  <xs:complexContent>
    <xs:extension base="prk:_ParkingStatusInformation">
      <xs:sequence>
        <xs:element name="status" type="prk:_ParkingPlaceStatusEnum" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="parkingPlaceFullAtFloor" type="com:String" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="declarationValidNow" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_placeStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: PointOfInterest

Super-types: [RelatedLocation](#) < **PointOfInterest** (by extension)

Sub-types: None

Name	PointOfInterest
Abstract	no
Documentation	A point of interest.

XML Instance Representation

```
<...>
```

```

<prk:name> com:MultilingualString </prk:name> [1] ?
<prk:description> com:MultilingualString </prk:description> [0..1] ?
<prk:specialLocation> prk:_SpecialLocationEnum </prk:specialLocation> [0..1] ?
<prk:locationReference> loc:_LocationReference </prk:locationReference> [0..1]
<prk:distanceFromOrigin> com:IntegerMetreDistanceValue </prk:distanceFromOrigin> [0..1]
<prk:_relatedLocationExtension> com:_ExtensionType </prk:_relatedLocationExtension> [0..1]
<prk:_pointOfInterestExtension> com:_ExtensionType </prk:_pointOfInterestExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="PointOfInterest">
  <xs:complexContent>
    <xs:extension base="prk:_RelatedLocation">
      <xs:sequence>
        <xs:element name="_pointOfInterestExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: PublicTransportSchedule

Super-types: None

Sub-types: None

Name PublicTransportSchedule

Abstract no

Documentation A rough schedule for one or more public transport lines from this stop

XML Instance Representation

```

<...
  id="xs:string [1]"
  version="xs:string [1]">
    <prk:lastUpdated> com:DateTime </prk:lastUpdated> [1] ?
    <prk:line> com:String </prk:line> [0..*] ?
    <prk:nextDepartures> com:Time </prk:nextDepartures> [0..*] ?
    <prk:destination> com:MultilingualString </prk:destination> [0..1] ?
    <prk:interval> com:Seconds </prk:interval> [0..1] ?
    <prk:travelTimeToDestination> com:Seconds </prk:travelTimeToDestination> [0..1] ?
    <prk:ptType> prk:_PublicTransportTypeEnum </prk:ptType> [0..*] ?
    <prk:ptVehicleType> prk:_PublicTransportVehicleType </prk:ptVehicleType> [0..1] ?
    <prk:ptVehicleName> com:MultilingualString </prk:ptVehicleName> [0..1] ?
    <prk:ptOperator> com:MultilingualString </prk:ptOperator> [0..1] ?
    <prk:validity> com:Validity </prk:validity> [0..1]
    <prk:_publicTransportScheduleExtension> com:_ExtensionType </prk:_publicTransportScheduleExtension> [0..1]
  </...>

```

Schema Component Representation

```

<xs:complexType name="PublicTransportSchedule">
  <xs:sequence>
    <xs:element name="lastUpdated" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
    <xs:element name="line" type="com:String" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="nextDepartures" type="com:Time" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="destination" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="interval" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
    <xs:element name="travelTimeToDestination" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
    <xs:element name="ptType" type="prk:_PublicTransportTypeEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="ptVehicleType" type="prk:_PublicTransportVehicleType" minOccurs="0" maxOccurs="1"/>
    <xs:element name="ptVehicleName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="ptOperator" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="validity" type="com:Validity" minOccurs="0"/>
    <xs:element name="_publicTransportScheduleExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="id" type="xs:string" use="required"/>
  <xs:attribute name="version" type="xs:string" use="required"/>
</xs:complexType>

```

[top](#)

Complex Type: PublicTransportStop

Super-types: [RelatedLocation](#) < PublicTransportStop (by extension)

Sub-types: None

Name PublicTransportStop

Abstract no

Documentation A public transport stop.

XML Instance Representation

```

<....>
  <prk:name> com:MultilingualString </prk:name> [1] ?
  <prk:description> com:MultilingualString </prk:description> [0..1] ?
  <prk:specialLocation> prk:_SpecialLocationEnum </prk:specialLocation> [0..1] ?
  <prk:locationReference> loc:_LocationReference </prk:locationReference> [0..1]
  <prk:distanceFromOrigin> com:IntegerMetreDistanceValue </prk:distanceFromOrigin> [0..1]
  <prk:_relatedLocationExtension> com:_ExtensionType </prk:_relatedLocationExtension> [0..1]
  <prk:publicTransportSchedule> prk:PublicTransportSchedule </prk:publicTransportSchedule> [0..*]
  <prk:_publicTransportStopExtension> com:_ExtensionType </prk:_publicTransportStopExtension> [0..1]
</....>

```

```
</...>
```

Schema Component Representation

```
<xs:complexType name="PublicTransportStop">
  <xs:complexContent>
    <xs:extension base="prk:RelatedLocation">
      <xs:sequence>
        <xs:element name="publicTransportSchedule" type="prk:PublicTransportSchedule" minOccurs="0"
          maxOccurs="unbounded"/>
        <xs:element name="_publicTransportStopExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **RelatedLocation**

Super-types: None

Sub-types:

- [PointOfInterest](#) (by extension)
- [PublicTransportStop](#) (by extension)

Name RelatedLocation

Abstract yes

Documentation A location related to the specified operating pattern.

XML Instance Representation

```
<...>
  <prk:name> com:MultilingualString </prk:name> [1] ?
  <prk:description> com:MultilingualString </prk:description> [0..1] ?
  <prk:specialLocation> prk:_SpecialLocationEnum </prk:specialLocation> [0..1] ?
  <prk:locationReference> loc:LocationReference </prk:locationReference> [0..1]
  <prk:distanceFromOrigin> com:IntegerMetreDistanceValue </prk:distanceFromOrigin> [0..1]
  <prk:_relatedLocationExtension> com:_ExtensionType </prk:_relatedLocationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RelatedLocation" abstract="true">
  <xs:sequence>
    <xs:element name="name" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="specialLocation" type="prk:_SpecialLocationEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="locationReference" type="loc:LocationReference" minOccurs="0"/>
    <xs:element name="distanceFromOrigin" type="com:IntegerMetreDistanceValue" minOccurs="0"/>
    <xs:element name="_relatedLocationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **RgbColour**

Super-types: None

Sub-types: None

Name RgbColour

Abstract no

Documentation An RGB colour described by values for red, green and blue (0..255) as well as an optional name.

XML Instance Representation

```
<...>
  <prk:red> com:NonNegativeInteger </prk:red> [1] ?
  <prk:green> com:NonNegativeInteger </prk:green> [1] ?
  <prk:blue> com:NonNegativeInteger </prk:blue> [1] ?
  <prk:colourName> com:MultilingualString </prk:colourName> [0..1] ?
  <prk:_rgbColourExtension> com:_ExtensionType </prk:_rgbColourExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RgbColour">
  <xs:sequence>
    <xs:element name="red" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
    <xs:element name="green" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
    <xs:element name="blue" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
    <xs:element name="colourName" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_rgbColourExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **RoadInformationEnhanced**

Super-types: [loc:RoadInformation](#) < RoadInformationEnhanced (by extension)

Sub-types: None

Name	RoadInformationEnhanced
Abstract	no
Documentation	Additional road information.

XML Instance Representation

```
<...>
<!-- 'loc:RoadInformation' super type was not found in this schema. Some elements and attributes may be missing. -->
<prk:typeOfRoad> prk:_RoadTypeEnum </prk:typeOfRoad> [0..1] ?
<prk:roadOrigination> com:MultilingualString </prk:roadOrigination> [0..*] ?
<prk:_roadInformationEnhancedExtension> com:_ExtensionType </prk:_roadInformationEnhancedExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RoadInformationEnhanced">
  <xs:complexContent>
    <xs:extension base="loc:RoadInformation">
      <xs:sequence>
        <xs:element name="typeOfRoad" type="prk:_RoadTypeEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="roadOrigination" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_roadInformationEnhancedExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **SafetyStandardClassification**

Super-types:	None
Sub-types:	None

Name	SafetyStandardClassification
Abstract	no
Documentation	Use this class to classification type/level for security schemes for this place

XML Instance Representation

```
<...>
<prk:securityFeature> prk:_ParkingSecurityEnum </prk:securityFeature> [0..1] ?
<prk:securityLevel> prk:_EsporgStandardLevelEnum </prk:securityLevel> [0..1] ?
<prk:additionalSecurity> com:MultilingualString </prk:additionalSecurity> [0..*] ?
<prk:safety> prk:_ParkingSafetyEnum </prk:safety> [0..*] ?
<prk:additionalSafety> com:MultilingualString </prk:additionalSafety> [0..*] ?
<prk:supervision> prk:_ParkingSupervisionEnum </prk:supervision> [0..*] ?
<prk:securityNationalClassification> com:MultilingualString </prk:securityNationalClassification> [0..1] ?
<prk:certifiedSecureParking> prk:CertifiedSecureParking </prk:certifiedSecureParking> [0..*]
<prk:_safetyStandardClassificationExtension> com:_ExtensionType </prk:_safetyStandardClassificationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SafetyStandardClassification">
  <xs:sequence>
    <xs:element name="securityFeature" type="prk:_ParkingSecurityEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="securityLevel" type="prk:_EsporgStandardLevelEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="additionalSecurity" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="safety" type="prk:_ParkingSafetyEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="additionalSafety" type="com:MultilingualString" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="supervision" type="prk:_ParkingSupervisionEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="securityNationalClassification" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="certifiedSecureParking" type="prk:CertifiedSecureParking" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_safetyStandardClassificationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **SpaceStatus**

Super-types:	fac:FacilityStatus < ParkingStatusInformation (by extension) < SpaceStatus (by extension)
Sub-types:	None

Name	SpaceStatus
Abstract	no
Documentation	Status for a single parking space which was defined in the static part of the model.

XML Instance Representation

```
<...>
<!-- 'fac:FacilityStatus' super type was not found in this schema. Some elements and attributes may be missing. -->
<prk:queueingTime> com:Seconds </prk:queueingTime> [0..1] ?
<prk:parkingConditions> prk:_ParkingConditionsEnum </prk:parkingConditions> [0..1] ?
<prk:blurredAvailability> com:Boolean </prk:blurredAvailability> [0..1] ?
<prk:parkingFault> prk:_ParkingFaultEnum </prk:parkingFault> [0..*] ?
<prk:winterEquipmentManagementType> com:_WinterEquipmentManagementTypeEnum </prk:winterEquipmentManagementType> [0..*] ?
</...>
```

```

<prk:parkingRouteStatus> prk:ParkingRouteStatus </prk:parkingRouteStatus> [0..*]
<prk:occupancy> prk:Occupancy </prk:occupancy> [0..1]
<prk:statusValidity> prk:StatusValidity </prk:statusValidity> [0..1]
<prk:operatingPatternStatus> prk:OperatingPatternStatus </prk:operatingPatternStatus> [0..*]
<prk:supply> prk:Supply </prk:supply> [0..1]
<prk:demandTable> prk:DemandTable </prk:demandTable> [0..1]
<prk:_parkingStatusInformationExtension> com:_ExtensionType </prk:_parkingStatusInformationExtension> [0..1]
<prk:occupied> com:Boolean </prk:occupied> [1] ?
<prk:declarationValidNow> com:Boolean </prk:declarationValidNow> [0..1] ?
<prk:measurementOrCalculationTime> com:DateTime </prk:measurementOrCalculationTime> [0..1] ?
<prk:lastCalibration> com:DateTime </prk:lastCalibration> [0..1] ?
<prk:_spaceStatusExtension> com:_ExtensionType </prk:_spaceStatusExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="SpaceStatus">
  <xs:complexContent>
    <xs:extension base="prk:ParkingStatusInformation">
      <xs:sequence>
        <xs:element name="occupied" type="com:Boolean" minOccurs="1" maxOccurs="1"/>
        <xs:element name="declarationValidNow" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="measurementOrCalculationTime" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
        <xs:element name="lastCalibration" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_spaceStatusExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: StatusConfiguration

Super-types: None
Sub-types: None

Name StatusConfiguration
Abstract no
Documentation A parking site status that shall be configured.

XML Instance Representation

```

<...>
<prk:parkingStatus> prk:_ParkingPlaceStatusEnum </prk:parkingStatus> [1] ?
<prk:thresholds> prk:Thresholds </prk:thresholds> [1] ?
<prk:statusColourMapping> prk:RgbColour </prk:statusColourMapping> [0..1] ?
<prk:_statusConfigurationExtension> com:_ExtensionType </prk:_statusConfigurationExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="StatusConfiguration">
  <xs:sequence>
    <xs:element name="parkingStatus" type="prk:_ParkingPlaceStatusEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="thresholds" type="prk:Thresholds"/>
    <xs:element name="statusColourMapping" type="prk:RgbColour" minOccurs="0"/>
    <xs:element name="_statusConfigurationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

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Complex Type: StatusValidity

Super-types: None
Sub-types:

- [ValidityByOffset](#) (by extension)
- [ValidityByPeriod](#) (by extension)
- [ValidityByTime](#) (by extension)

Name StatusValidity
Abstract yes
Documentation To be used only for historical or forecasted data. Choose between an explicit point of time, an offset or all points of time within a specified period.

XML Instance Representation

```

<...>
<prk:_statusValidityExtension> com:_ExtensionType </prk:_statusValidityExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="StatusValidity" abstract="true">
  <xs:sequence>
    <xs:element name="_statusValidityExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

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Complex Type: SupplementalFacility

Super-types:	fac:Facility < HierarchyElementGeneral (by extension) < IdentifiedArea (by extension) < SupplementalFacility (by extension)
Sub-types:	None

Name	SupplementalFacility
Abstract	no
Documentation	A specialisation of an identifiedArea referencing an identifiable area with associated identified services or equipment.

XML Instance Representation

```
<...>
  <!-- 'fac:Facility' super type was not found in this schema. Some elements and attributes may be missing. -->
  <prk:layer> com:NonNegativeInteger </prk:layer> [1] ?
  <prk:type> prk:_HierarchyElementTypeEnum </prk:type> [1] ?
  <prk:parentId> prk:_FacilityObjectVersionedReference </prk:parentId> [0..1] ?
  <prk:childId> prk:_FacilityObjectVersionedReference </prk:childId> [0..*] ?
  <prk:operatorDefinedReference> prk:_OperatorDefinedPlaceVersionedReference </prk:operatorDefinedReference> [0..1] ?
  <prk:occupancyLevel> prk:_OccupancyLevel </prk:occupancyLevel> [0..1]
  <prk:operatorDefinedPlace> prk:_OperatorDefinedPlace </prk:operatorDefinedPlace> [0..*]
  <prk:_hierarchyElementGeneralExtension> com:_ExtensionType </prk:_hierarchyElementGeneralExtension> [0..1]
  <prk:_identifiedAreaExtension> com:_ExtensionType </prk:_identifiedAreaExtension> [0..1]
  <prk:_supplementalFacilityExtension> com:_ExtensionType </prk:_supplementalFacilityExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SupplementalFacility">
  <xs:complexContent>
    <xs:extension base="prk:IdentifiedArea">
      <xs:sequence>
        <xs:element name="_supplementalFacilityExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: Supply

Super-types:	None
Sub-types:	None

Name	Supply
Abstract	no
Documentation	A class defining concepts relating the parameters of the supply of parking or others uses in a Place. This is the total number of spaces usable for parking or other mobility operations. It can be defined as demarcated spaces or non-demarcated.

XML Instance Representation

```
<...>
  <prk:quantity> com:Integer </prk:quantity> [1] ?
  <prk:viewType> prk:_SupplyViewTypeEnum </prk:viewType> [1] ?
  <prk:startValidUsagePeriod> com:DateTime </prk:startValidUsagePeriod> [0..1] ?
  <prk:endValidUsagePeriod> com:DateTime </prk:endValidUsagePeriod> [0..1] ?
  <prk:spacesReference> prk:_FacilityObjectVersionedReference </prk:spacesReference> [0..*] ?
  <prk:_supplyExtension> com:_ExtensionType </prk:_supplyExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Supply">
  <xs:sequence>
    <xs:element name="quantity" type="com:Integer" minOccurs="1" maxOccurs="1"/>
    <xs:element name="viewType" type="prk:_SupplyViewTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="startValidUsagePeriod" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="endValidUsagePeriod" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="spacesReference" type="prk:_FacilityObjectVersionedReference" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_supplyExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: ThresholdConfiguration

Super-types:	None
Sub-types:	None

Name	ThresholdConfiguration
Abstract	no
Documentation	Configuration of thresholds and colours for the status parameter. Only one status should be active at a time, so that the most recently activated status means that an existing active status should be considered no longer active.

XML Instance Representation

```
<...>
  <prk:lastMaximumOccupancy> com:NonNegativeInteger </prk:lastMaximumOccupancy> [0..1] ?
</...>
```

```
<prk:statusConfiguration> prk:StatusConfiguration </prk:statusConfiguration> [1..*]  
<prk:_thresholdConfigurationExtension> com:_ExtensionType </prk:_thresholdConfigurationExtension> [0..1]  
</...>
```

Schema Component Representation

```
<xs:complexType name="ThresholdConfiguration">  
  <xs:sequence>  
    <xs:element name="lastMaximumOccupancy" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="statusConfiguration" type="prk:StatusConfiguration" maxOccurs="unbounded"/>  
    <xs:element name="_thresholdConfigurationExtension" type="com:_ExtensionType" minOccurs="0"/>  
  </xs:sequence>  
</xs:complexType>
```

[top](#)

Complex Type: Thresholds

Super-types: None

Sub-types:

- [AvailableSpacesThresholds](#) (by extension)
- [OccupiedSpacesThresholds](#) (by extension)
- [VehiclesOnSiteThresholds](#) (by extension)

Name Thresholds

Abstract yes

Documentation Threshold values to configure the given parking site status.

XML Instance Representation

```
<...>  
<prk:lowerThreshold> com:NonNegativeInteger </prk:lowerThreshold> [0..1] ?  
<prk:upperThreshold> com:NonNegativeInteger </prk:upperThreshold> [0..1] ?  
<prk:lowerThresholdInPercent> com:Percentage </prk:lowerThresholdInPercent> [0..1] ?  
<prk:upperThresholdInPercent> com:Percentage </prk:upperThresholdInPercent> [0..1] ?  
<prk:boundaryValuesExcluded> com:Boolean </prk:boundaryValuesExcluded> [0..1] ?  
<prk:_thresholdsExtension> com:_ExtensionType </prk:_thresholdsExtension> [0..1]  
</...>
```

Schema Component Representation

```
<xs:complexType name="Thresholds" abstract="true">  
  <xs:sequence>  
    <xs:element name="lowerThreshold" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="upperThreshold" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="lowerThresholdInPercent" type="com:Percentage" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="upperThresholdInPercent" type="com:Percentage" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="boundaryValuesExcluded" type="com:Boolean" minOccurs="0" maxOccurs="1"/>  
    <xs:element name="_thresholdsExtension" type="com:_ExtensionType" minOccurs="0"/>  
  </xs:sequence>  
</xs:complexType>
```

[top](#)

Complex Type: UsageScenario

Super-types: [OperatingPattern](#) < UsageScenario (by extension)

Sub-types: None

Name UsageScenario

Abstract no

Documentation A special type of usage available for this campus, (sub)place, space or identified area. In the 'ParkingStatusPublication', the operation type (in operation or not) can be defined.

XML Instance Representation

```
<...  
  operatingPatternIndex="com:Integer [1] ?">  
    <prk:relatedLocation> prk:RelatedLocation </prk:relatedLocation> [0..*]  
    <prk:validity> com:OverallPeriod </prk:validity> [0..1]  
    <prk:_operatingPatternExtension> com:_ExtensionType </prk:_operatingPatternExtension> [0..1]  
    <prk:type> prk:_ParkingUsageScenarioEnum </prk:type> [1..*] ?  
    <prk:description> com:MultilingualString </prk:description> [0..1] ?  
    <prk:truckParkingDynamicManagement> prk:_TruckParkingDynamicManagementEnum </prk:truckParkingDynamicManagement> [0..*] ?  
    <prk:eventParkingType> com:_PublicEventTypeEnum </prk:eventParkingType> [0..1] ?  
    <prk:_usageScenarioExtension> com:_ExtensionType </prk:_usageScenarioExtension> [0..1]  
  </...>
```

Schema Component Representation

```
<xs:complexType name="UsageScenario">  
  <xs:complexContent>  
    <xs:extension base="prk:OperatingPattern">  
      <xs:sequence>  
        <xs:element name="type" type="prk:_ParkingUsageScenarioEnum" minOccurs="1" maxOccurs="unbounded"/>  
        <xs:element name="description" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>  
        <xs:element name="truckParkingDynamicManagement" type="prk:_TruckParkingDynamicManagementEnum" minOccurs="0" maxOccurs="unbounded"/>  
        <xs:element name="eventParkingType" type="com:_PublicEventTypeEnum" minOccurs="0" maxOccurs="1"/>  
        <xs:element name="_usageScenarioExtension" type="com:_ExtensionType" minOccurs="0"/>  
      </xs:sequence>  
    </xs:extension>  
  </xs:complexContent>  
</xs:complexType>
```


Complex Type: **ValidityByOffset**

Super-types: [StatusValidity](#) < **ValidityByOffset** (by extension)

Sub-types: None

Name ValidityByOffset

Abstract no

Documentation The status validity expressed by an offset in seconds to the 'lastUpdated' timestamp.

XML Instance Representation

```
<...>
  <prk:_statusValidityExtension> com:_ExtensionType </prk:_statusValidityExtension> [0..1]
  <prk:statusTimeOffsetToOrigin> com:Seconds </prk:statusTimeOffsetToOrigin> [1] ?
  <prk:_validityByOffsetExtension> com:_ExtensionType </prk:_validityByOffsetExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ValidityByOffset">
  <xs:complexContent>
    <xs:extension base="prk:StatusValidity">
      <xs:sequence>
        <xs:element name="statusTimeOffsetToOrigin" type="com:Seconds" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_validityByOffsetExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: **ValidityByPeriod**

Super-types: [StatusValidity](#) < **ValidityByPeriod** (by extension)

Sub-types: None

Name ValidityByPeriod

Abstract no

Documentation The status validity expressed by the period model.

XML Instance Representation

```
<...>
  <prk:_statusValidityExtension> com:_ExtensionType </prk:_statusValidityExtension> [0..1]
  <prk:validityTimeSpecification> com:OverallPeriod </prk:validityTimeSpecification> [1] ?
  <prk:_validityByPeriodExtension> com:_ExtensionType </prk:_validityByPeriodExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ValidityByPeriod">
  <xs:complexContent>
    <xs:extension base="prk:StatusValidity">
      <xs:sequence>
        <xs:element name="validityTimeSpecification" type="com:OverallPeriod"/>
        <xs:element name="_validityByPeriodExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: **ValidityByTime**

Super-types: [StatusValidity](#) < **ValidityByTime** (by extension)

Sub-types: None

Name ValidityByTime

Abstract no

Documentation The status validity expressed by a point of time.

XML Instance Representation

```
<...>
  <prk:_statusValidityExtension> com:_ExtensionType </prk:_statusValidityExtension> [0..1]
  <prk:statusTime> com:DateTime </prk:statusTime> [1] ?
  <prk:_validityByTimeExtension> com:_ExtensionType </prk:_validityByTimeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ValidityByTime">
  <xs:complexContent>
    <xs:extension base="prk:StatusValidity">
      <xs:sequence>
        <xs:element name="statusTime" type="com:DateTime" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_validityByTimeExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```



```
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **VehicleCountAndRate**

Super-types: None

Sub-types: None

Name VehicleCountAndRate

Abstract no

Documentation Vehicle rates can be assigned to a parking site or to assigned parking spaces. Furthermore, they can reference to a measurement site or to an entrance/exit.

XML Instance Representation

```
<...>
  <prk:measurementSiteReference> prk:_MeasurementSiteVersionedReference </prk:measurementSiteReference> [0..1] ?
  <prk:measuredValueIndex> com:NonNegativeInteger </prk:measuredValueIndex> [0..1] ?
  <prk:dedicatedAccess> prk:_FacilityObjectVersionedReference </prk:dedicatedAccess> [0..1] ?
  <prk:lastCalibration> com:DateTime </prk:lastCalibration> [0..1] ?
  <prk:coveringPetrolStationArea> com:Boolean </prk:coveringPetrolStationArea> [0..1] ?
  <prk:vehicleCountWithinInterval> prk:VehicleCountWithinInterval </prk:vehicleCountWithinInterval> [0..*]
  <prk:vehicleRate> prk:VehicleRate </prk:vehicleRate> [0..*]
  <prk:measurementTimeDefault> roa:MeasurementOrCalculationTime </prk:measurementTimeDefault> [0..1] ?
  <prk:_vehicleCountAndRateExtension> com:_ExtensionType </prk:_vehicleCountAndRateExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleCountAndRate">
  <xs:sequence>
    <xs:element name="measurementSiteReference" type="prk:_MeasurementSiteVersionedReference" minOccurs="0"
      maxOccurs="1"/>
    <xs:element name="measuredValueIndex" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
    <xs:element name="dedicatedAccess" type="prk:_FacilityObjectVersionedReference" minOccurs="0" maxOccurs="1"/>
    <xs:element name="lastCalibration" type="com:DateTime" minOccurs="0" maxOccurs="1"/>
    <xs:element name="coveringPetrolStationArea" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="vehicleCountWithinInterval" type="prk:VehicleCountWithinInterval" minOccurs="0"
      maxOccurs="unbounded"/>
    <xs:element name="vehicleRate" type="prk:VehicleRate" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="measurementTimeDefault" type="roa:MeasurementOrCalculationTime" minOccurs="0"/>
    <xs:element name="_vehicleCountAndRateExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **VehicleCountValue**

Super-types: [com:DataValue](#) < VehicleCountValue (by extension)

Sub-types: None

Name VehicleCountValue

Abstract no

Documentation A measured or calculated value of absolute count of vehicles within a specified period of time expressed as non-negative integer.

XML Instance Representation

```
<....>
  <!-- 'com:DataValue' super type was not found in this schema. Some elements and attributes may be missing. -->
  <prk:vehicleCount> com:NonNegativeInteger </prk:vehicleCount> [1] ?
  <prk:_vehicleCountValueExtension> com:_ExtensionType </prk:_vehicleCountValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleCountValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="vehicleCount" type="com:NonNegativeInteger" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_vehicleCountValueExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **VehicleCountWithinInterval**

Super-types: None

Sub-types: None

Name VehicleCountWithinInterval

Abstract no

XML Instance Representation

```
<...>
<prk:measurementInterval> com:Seconds </prk:measurementInterval> [0..1] ?
<prk:numberOfIncomingVehicles> prk:VehicleCountValue </prk:numberOfIncomingVehicles> [0..1] ?
<prk:numberOfOutgoingVehicles> prk:VehicleCountValue </prk:numberOfOutgoingVehicles> [0..1] ?
<prk:changeOfOccupiedSpaces> prk:OccupancyChangeValue </prk:changeOfOccupiedSpaces> [0..1] ?
<prk:countedVehicles> com:VehicleCharacteristics </prk:countedVehicles> [0..1]
<prk:measurementOrCalculationTime> roa:MeasurementOrCalculationTime </prk:measurementOrCalculationTime> [0..1]
<prk:_vehicleCountWithinIntervalExtension> com:_ExtensionType </prk:_vehicleCountWithinIntervalExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleCountWithinInterval">
  <xs:sequence>
    <xs:element name="measurementInterval" type="com:Seconds" minOccurs="0" maxOccurs="1"/>
    <xs:element name="numberOfIncomingVehicles" type="prk:VehicleCountValue" minOccurs="0"/>
    <xs:element name="numberOfOutgoingVehicles" type="prk:VehicleCountValue" minOccurs="0"/>
    <xs:element name="changeOfOccupiedSpaces" type="prk:OccupancyChangeValue" minOccurs="0"/>
    <xs:element name="countedVehicles" type="com:VehicleCharacteristics" minOccurs="0"/>
    <xs:element name="measurementOrCalculationTime" type="roa:MeasurementOrCalculationTime" minOccurs="0"/>
    <xs:element name="_vehicleCountWithinIntervalExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)Complex Type: **VehicleRate**

Super-types: None
Sub-types: None

Name VehicleRate
Abstract no
Documentation Information about vehicle fill and exit rates or the general vehicle flow rate without direction.

XML Instance Representation

```
<...>
<prk:fillRate> com:VehicleFlowValue </prk:fillRate> [0..1] ?
<prk:exitRate> com:VehicleFlowValue </prk:exitRate> [0..1] ?
<prk:vehicleFlowRate> com:VehicleFlowValue </prk:vehicleFlowRate> [0..1] ?
<prk:measuredVehicles> com:VehicleCharacteristics </prk:measuredVehicles> [0..1]
<prk:measurementOrCalculationTime> roa:MeasurementOrCalculationTime </prk:measurementOrCalculationTime> [0..1]
<prk:_vehicleRateExtension> com:_ExtensionType </prk:_vehicleRateExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleRate">
  <xs:sequence>
    <xs:element name="fillRate" type="com:VehicleFlowValue" minOccurs="0"/>
    <xs:element name="exitRate" type="com:VehicleFlowValue" minOccurs="0"/>
    <xs:element name="vehicleFlowRate" type="com:VehicleFlowValue" minOccurs="0"/>
    <xs:element name="measuredVehicles" type="com:VehicleCharacteristics" minOccurs="0"/>
    <xs:element name="measurementOrCalculationTime" type="roa:MeasurementOrCalculationTime" minOccurs="0"/>
    <xs:element name="_vehicleRateExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)Complex Type: **VehiclesOnSiteThresholds**

Super-types: [Thresholds](#) < VehiclesOnSiteThresholds (by extension)
Sub-types: None

Name VehiclesOnSiteThresholds
Abstract no
Documentation The threshold is defined by the number of vehicles on the parking. This may differ from the number of occupied spaces, for example when vehicles share spaces.

XML Instance Representation

```
<...>
<prk:lowerThreshold> com:NonNegativeInteger </prk:lowerThreshold> [0..1] ?
<prk:upperThreshold> com:NonNegativeInteger </prk:upperThreshold> [0..1] ?
<prk:lowerThresholdInPercent> com:Percentage </prk:lowerThresholdInPercent> [0..1] ?
<prk:upperThresholdInPercent> com:Percentage </prk:upperThresholdInPercent> [0..1] ?
<prk:boundaryValuesExcluded> com:Boolean </prk:boundaryValuesExcluded> [0..1] ?
<prk:_thresholdsExtension> com:_ExtensionType </prk:_thresholdsExtension> [0..1]
<prk:_vehiclesOnSiteThresholdsExtension> com:_ExtensionType </prk:_vehiclesOnSiteThresholdsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehiclesOnSiteThresholds">
  <xs:complexContent>
    <xs:extension base="prk:Thresholds">
      <xs:sequence>
        <xs:element name="_vehiclesOnSiteThresholdsExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```
</xs:extension>
</xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ActivityEnum**

Super-types: [xs:string](#) < [ActivityEnum](#) (by restriction) < **_ActivityEnum** (by extension)
Sub-types: None

Name **_ActivityEnum**
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  prk:ActivityEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ActivityEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ActivityEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_CalculationTypeEnum**

Super-types: [xs:string](#) < [CalculationTypeEnum](#) (by restriction) < **_CalculationTypeEnum** (by extension)
Sub-types: None

Name **_CalculationTypeEnum**
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  prk:CalculationTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_CalculationTypeEnum">
  <xs:simpleContent>
    <xs:extension base="prk:CalculationTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_CampusStatusEnum**

Super-types: [xs:string](#) < [CampusStatusEnum](#) (by restriction) < **_CampusStatusEnum** (by extension)
Sub-types: None

Name **_CampusStatusEnum**
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  prk:CampusStatusEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_CampusStatusEnum">
  <xs:simpleContent>
    <xs:extension base="prk:CampusStatusEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_CoveredEnum**

Super-types: [xs:string](#) < [CoveredEnum](#) (by restriction) < **_CoveredEnum** (by extension)

Sub-types:	None
------------	------

Name	_CoveredEnum
Abstract	no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    prk:CoveredEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_CoveredEnum">
  <xs:simpleContent>
    <xs:extension base="prk:CoveredEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_EsporgStandardLevelEnum**

Super-types:	xs:string < EsporgStandardLevelEnum (by restriction) < _EsporgStandardLevelEnum (by extension)
Sub-types:	None

Name	_EsporgStandardLevelEnum
Abstract	no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    prk:EsporgStandardLevelEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_EsporgStandardLevelEnum">
  <xs:simpleContent>
    <xs:extension base="prk:EsporgStandardLevelEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_FacilityObjectReference**

Super-types:	com:Reference < _FacilityObjectReference (by extension)
Sub-types:	None

Name	_FacilityObjectReference
Abstract	no

XML Instance Representation

```
<...
  targetClass="fac:FacilityObject [1]">
  <!-- 'com:Reference' super type was not found in this schema. Some elements and attributes may be missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_FacilityObjectReference">
  <xs:complexContent>
    <xs:extension base="com:Reference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:FacilityObject"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_FacilityObjectVersionedReference**

Super-types:	com:VersionedReference < _FacilityObjectVersionedReference (by extension)
Sub-types:	None

Name	_FacilityObjectVersionedReference
Abstract	no

XML Instance Representation

```
<...
  targetClass="fac:FacilityObject [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be missing. -->
</...>
```

</...>

Schema Component Representation

```
<xs:complexType name="_FacilityObjectVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="fac:FacilityObject"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_HierarchyElementTypeEnum**

Super-types: [xs:string](#) < [HierarchyElementTypeEnum](#) (by restriction) < [_HierarchyElementTypeEnum](#) (by extension)

Sub-types: None

Name [_HierarchyElementTypeEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    prk:HierarchyElementTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_HierarchyElementTypeEnum">
  <xs:simpleContent>
    <xs:extension base="prk:HierarchyElementTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_LayoutEnum**

Super-types: [xs:string](#) < [LayoutEnum](#) (by restriction) < [_LayoutEnum](#) (by extension)

Sub-types: None

Name [_LayoutEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    prk:LayoutEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_LayoutEnum">
  <xs:simpleContent>
    <xs:extension base="prk:LayoutEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_MeasurementSiteVersionedReference**

Super-types: [com:VersionedReference](#) < [_MeasurementSiteVersionedReference](#) (by extension)

Sub-types: None

Name [_MeasurementSiteVersionedReference](#)

Abstract no

XML Instance Representation

```
<...
  targetClass="roa:MeasurementSite [1]">
    <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be missing. -->
  </...>
```

Schema Component Representation

```
<xs:complexType name="_MeasurementSiteVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="roa:MeasurementSite"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: **_OperatingRestrictionsEnum**

Super-types: [xs:string](#) < [OperatingRestrictionsEnum](#) (by restriction) < [_OperatingRestrictionsEnum](#) (by extension)
Sub-types: None

Name [_OperatingRestrictionsEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:OperatingRestrictionsEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_OperatingRestrictionsEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:OperatingRestrictionsEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

Complex Type: **_OperatorDefinedPlaceVersionedReference**

Super-types: [com:VersionedReference](#) < [_OperatorDefinedPlaceVersionedReference](#) (by extension)
Sub-types: None

Name [_OperatorDefinedPlaceVersionedReference](#)
Abstract no

XML Instance Representation

```
<...  
  targetClass="prk:OperatorDefinedPlace [1]">  
    <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be  
    missing. -->  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_OperatorDefinedPlaceVersionedReference">  
  <xs:complexContent>  
    <xs:extension base="com:VersionedReference">  
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="prk:OperatorDefinedPlace"/>  
    </xs:extension>  
  </xs:complexContent>  
</xs:complexType>
```

Complex Type: **_ParkingConditionsEnum**

Super-types: [xs:string](#) < [ParkingConditionsEnum](#) (by restriction) < [_ParkingConditionsEnum](#) (by extension)
Sub-types: None

Name [_ParkingConditionsEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:ParkingConditionsEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingConditionsEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:ParkingConditionsEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

Complex Type: **_ParkingFaultEnum**

Super-types: [xs:string](#) < [ParkingFaultEnum](#) (by restriction) < [_ParkingFaultEnum](#) (by extension)
Sub-types: None

Abstract no

```
<...
  _extendedValue="xs:string [0..1]">
    prk:ParkingFaultEnum
</...>
```

```
<xs:complexType name="_ParkingFaultEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingFaultEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Complex Type: **ParkingModeEnum**

Sub-types: None

Abstract no

```
<...
  _extendedValue="xs:string [0..1]">
    prk:ParkingModeEnum
</...>
```

```
<xs:complexType name="_ParkingModeEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingModeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Complex Type: `_ParkingOccupancyEnum`

Sub-types: None

Abstract no

```
<...
  _extendedValue="xs:string [0..1]">
    prk:ParkingOccupancyEnum
  </...>
```

```
<xs:complexType name="_ParkingOccupancyEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingOccupancyEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Complex Type: ParkingOccupancyTrendEnum

Sub-types: None

Abstract no

```
<...
  _extendedValue="xs:string [0..1]">
    prk:ParkingOccupancyTrendEnum
  </...>
```

```
<xs:complexType name="_ParkingOccupancyTrendEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingOccupancyTrendEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ParkingPlaceStatusEnum**

Super-types: [xs:string](#) < [ParkingPlaceStatusEnum](#) (by restriction) < [_ParkingPlaceStatusEnum](#) (by extension)
Sub-types: None

Name [_ParkingPlaceStatusEnum](#)
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    prk:ParkingPlaceStatusEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingPlaceStatusEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingPlaceStatusEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ParkingRouteDetailsVersionedReference**

Super-types: [com:VersionedReference](#) < [_ParkingRouteDetailsVersionedReference](#) (by extension)
Sub-types: None

Name [_ParkingRouteDetailsVersionedReference](#)
Abstract no

XML Instance Representation

```
<...
  targetClass="prk:ParkingRouteDetails [1]">
    <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
    missing. -->
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingRouteDetailsVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="prk:ParkingRouteDetails"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ParkingRouteOrientationEnum**

Super-types: [xs:string](#) < [ParkingRouteOrientationEnum](#) (by restriction) < [_ParkingRouteOrientationEnum](#) (by extension)
Sub-types: None

Name [_ParkingRouteOrientationEnum](#)
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    prk:ParkingRouteOrientationEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingRouteOrientationEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingRouteOrientationEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ParkingRouteTypeEnum**

Super-types: [xs:string](#) < [ParkingRouteTypeEnum](#) (by restriction) < **_ParkingRouteTypeEnum** (by extension)
Sub-types: None

Name **_ParkingRouteTypeEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:ParkingRouteTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingRouteTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:ParkingRouteTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_ParkingSafetyEnum**

Super-types: [xs:string](#) < [ParkingSafetyEnum](#) (by restriction) < **_ParkingSafetyEnum** (by extension)
Sub-types: None

Name **_ParkingSafetyEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:ParkingSafetyEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingSafetyEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:ParkingSafetyEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_ParkingSecurityEnum**

Super-types: [xs:string](#) < [ParkingSecurityEnum](#) (by restriction) < **_ParkingSecurityEnum** (by extension)
Sub-types: None

Name **_ParkingSecurityEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:ParkingSecurityEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingSecurityEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:ParkingSecurityEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_ParkingSpaceConvenienceEnum**

Super-types: [xs:string](#) < [ParkingSpaceConvenienceEnum](#) (by restriction) < **_ParkingSpaceConvenienceEnum** (by extension)
Sub-types: None

Name **_ParkingSpaceConvenienceEnum**
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:ParkingSpaceConvenienceEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingSpaceConvenienceEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:ParkingSpaceConvenienceEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: ParkingSpaceOccupancyDetectionEnum

Super-types: [xs:string](#) < [ParkingSpaceOccupancyDetectionEnum](#) (by restriction) < [_ParkingSpaceOccupancyDetectionEnum](#) (by extension)

Sub-types: None

Name [_ParkingSpaceOccupancyDetectionEnum](#)

Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:ParkingSpaceOccupancyDetectionEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingSpaceOccupancyDetectionEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:ParkingSpaceOccupancyDetectionEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: ParkingStructuralCharacteristicsEnum

Super-types: [xs:string](#) < [ParkingStructuralCharacteristicsEnum](#) (by restriction) < [_ParkingStructuralCharacteristicsEnum](#) (by extension)

Sub-types: None

Name [_ParkingStructuralCharacteristicsEnum](#)

Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:ParkingStructuralCharacteristicsEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingStructuralCharacteristicsEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:ParkingStructuralCharacteristicsEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: ParkingSupervisionEnum

Super-types: [xs:string](#) < [ParkingSupervisionEnum](#) (by restriction) < [_ParkingSupervisionEnum](#) (by extension)

Sub-types: None

Name [_ParkingSupervisionEnum](#)

Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:ParkingSupervisionEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingSupervisionEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:ParkingSupervisionEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

```
</xs:extension>
</xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ParkingTableVersionedReference**

Super-types: [com:VersionedReference](#) < **_ParkingTableVersionedReference** (by extension)
Sub-types: None

Name **_ParkingTableVersionedReference**
Abstract no

XML Instance Representation

```
<...
  targetClass="prk:ParkingTable [1]">
  <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
  missing. -->
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingTableVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="prk:ParkingTable"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ParkingUsageScenarioEnum**

Super-types: [xs:string](#) < [ParkingUsageScenarioEnum](#) (by restriction) < **_ParkingUsageScenarioEnum** (by extension)
Sub-types: None

Name **_ParkingUsageScenarioEnum**
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  prk:ParkingUsageScenarioEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingUsageScenarioEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingUsageScenarioEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_ParkingVacantSpacesEnum**

Super-types: [xs:string](#) < [ParkingVacantSpacesEnum](#) (by restriction) < **_ParkingVacantSpacesEnum** (by extension)
Sub-types: None

Name **_ParkingVacantSpacesEnum**
Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  prk:ParkingVacantSpacesEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ParkingVacantSpacesEnum">
  <xs:simpleContent>
    <xs:extension base="prk:ParkingVacantSpacesEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_PublicTransportTypeEnum**

Super-types: [xs:string](#) < [PublicTransportTypeEnum](#) (by restriction) < **_PublicTransportTypeEnum** (by extension)

Sub-types: None

Name `_PublicTransportTypeEnum`
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  prk:PublicTransportTypeEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_PublicTransportTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:PublicTransportTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: `_PublicTransportVehicleType`

Super-types: `xs:string` < [PublicTransportVehicleType](#) (by restriction) < `_PublicTransportVehicleType` (by extension)

Sub-types: None

Name `_PublicTransportVehicleType`
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  prk:PublicTransportVehicleType  
</...>
```

Schema Component Representation

```
<xs:complexType name="_PublicTransportVehicleType">  
  <xs:simpleContent>  
    <xs:extension base="prk:PublicTransportVehicleType">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: `_RegulationEnum`

Super-types: `xs:string` < [RegulationEnum](#) (by restriction) < `_RegulationEnum` (by extension)

Sub-types: None

Name `_RegulationEnum`
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  prk:RegulationEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_RegulationEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:RegulationEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: `_RoadTypeEnum`

Super-types: `xs:string` < [RoadTypeEnum](#) (by restriction) < `_RoadTypeEnum` (by extension)

Sub-types: None

Name `_RoadTypeEnum`
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
  prk:RoadTypeEnum  
</...>
```

Schema Component Representation

```
<xs:complexType name="_RoadTypeEnum">
  <xs:simpleContent>
    <xs:extension base="prk:RoadTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_SessionActivationModeEnum**

Super-types:	xs:string < SessionActivationModeEnum (by restriction) < _SessionActivationModeEnum (by extension)
Sub-types:	None

Name	_SessionActivationModeEnum
Abstract	no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  prk:SessionActivationModeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_SessionActivationModeEnum">
  <xs:simpleContent>
    <xs:extension base="prk:SessionActivationModeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_SpecialLocationEnum**

Super-types:	xs:string < SpecialLocationEnum (by restriction) < _SpecialLocationEnum (by extension)
Sub-types:	None

Name	_SpecialLocationEnum
Abstract	no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  prk:SpecialLocationEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_SpecialLocationEnum">
  <xs:simpleContent>
    <xs:extension base="prk:SpecialLocationEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_StaffEnum**

Super-types:	xs:string < StaffEnum (by restriction) < _StaffEnum (by extension)
Sub-types:	None

Name	_StaffEnum
Abstract	no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  prk:StaffEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_StaffEnum">
  <xs:simpleContent>
    <xs:extension base="prk:StaffEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_StructureGradeEnum**

Super-types:	xs:string < StructureGradeEnum (by restriction) < _StructureGradeEnum (by extension)
Sub-types:	None

Name	_StructureGradeEnum
Abstract	no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:StructureGradeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_StructureGradeEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:StructureGradeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_StructureTypeEnum**

Super-types:	xs:string < StructureTypeEnum (by restriction) < _StructureTypeEnum (by extension)
Sub-types:	None

Name	_StructureTypeEnum
Abstract	no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:StructureTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_StructureTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:StructureTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_SupplyViewTypeEnum**

Super-types:	xs:string < SupplyViewTypeEnum (by restriction) < _SupplyViewTypeEnum (by extension)
Sub-types:	None

Name	_SupplyViewTypeEnum
Abstract	no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    prk:SupplyViewTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_SupplyViewTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="prk:SupplyViewTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_TruckParkingDynamicManagementEnum**

Super-types:	xs:string < TruckParkingDynamicManagementEnum (by restriction) < _TruckParkingDynamicManagementEnum (by extension)
Sub-types:	None

Name	_TruckParkingDynamicManagementEnum
Abstract	no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    prk:TruckParkingDynamicManagementEnum
  </...>
```

Schema Component Representation

```
<xs:complexType name="_TruckParkingDynamicManagementEnum">
  <xs:simpleContent>
    <xs:extension base="prk:TruckParkingDynamicManagementEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_VmsControllerVersionedReference**

Super-types:

[com:VersionedReference](#) < **_VmsControllerVersionedReference** (by extension)

Sub-types:

None

Name

_VmsControllerVersionedReference

Abstract

no

XML Instance Representation

```
<...
  targetClass="vms:VmsController [1]">
    <!-- 'com:VersionedReference' super type was not found in this schema. Some elements and attributes may be
    missing. -->
  </...>
```

Schema Component Representation

```
<xs:complexType name="_VmsControllerVersionedReference">
  <xs:complexContent>
    <xs:extension base="com:VersionedReference">
      <xs:attribute name="targetClass" type="xs:string" use="required" fixed="vms:VmsController"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Simple Type: **ActivityEnum**

Super-types:

[xs:string](#) < **ActivityEnum** (by restriction)

Sub-types:

- [_ActivityEnum](#) (by extension)

Name

ActivityEnum

Content

- Base XSD Type: string
- value comes from list:
{openFire|overnightParking|picnic|smoking|camping|handlingHazardousMaterial|barbecue|other|_extended}

Documentation

Collection of activities, for example in the context of rest areas.

Schema Component Representation

```
<xs:simpleType name="ActivityEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="openFire"/>
    <xs:enumeration value="overnightParking"/>
    <xs:enumeration value="picnic"/>
    <xs:enumeration value="smoking"/>
    <xs:enumeration value="camping"/>
    <xs:enumeration value="handlingHazardousMaterial"/>
    <xs:enumeration value="barbecue"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **CalculationTypeEnum**

Super-types:

[xs:string](#) < **CalculationTypeEnum** (by restriction)

Sub-types:

- [_CalculationTypeEnum](#) (by extension)

Name

CalculationTypeEnum

Content

- Base XSD Type: string
- value comes from list: {counted|derived|expected|verified|_extended}

Documentation

A list of the supported calculation types for demand.

Schema Component Representation

```
<xs:simpleType name="CalculationTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="counted"/>
    <xs:enumeration value="derived"/>
    <xs:enumeration value="expected"/>
    <xs:enumeration value="verified"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **CampusStatusEnum**

Super-types: [xs:string](#) < **CampusStatusEnum** (by restriction)

Sub-types:

- [_CampusStatusEnum](#) (by extension)

Name CampusStatusEnum

Content

- Base XSD Type: string
- *value* comes from list:
{allParkingsFull|'multiStoreyParkingsFull'|noMoreParkingSpacesAvailable|'enoughSpacesAvailable'|'unknown'|'other'|'_extended'}

Documentation The status for multiple parking objects (available spaces or not).

Schema Component Representation

```
<xs:simpleType name="CampusStatusEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="allParkingsFull"/>
    <xs:enumeration value="multiStoreyParkingsFull"/>
    <xs:enumeration value="noMoreParkingSpacesAvailable"/>
    <xs:enumeration value="enoughSpacesAvailable"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **CoveredEnum**

Super-types: [xs:string](#) < **CoveredEnum** (by restriction)

Sub-types:

- [_CoveredEnum](#) (by extension)

Name CoveredEnum

Content

- Base XSD Type: string
- *value* comes from list: {'covered'|'notCovered'|'partiallyCovered'|'topLevelNotCovered'|'_extended'}

Documentation Defines the supported lists of different types describing roof coverage of the facility or entity

Schema Component Representation

```
<xs:simpleType name="CoveredEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="covered"/>
    <xs:enumeration value="notCovered"/>
    <xs:enumeration value="partiallyCovered"/>
    <xs:enumeration value="topLevelNotCovered"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **EsporgStandardLevelEnum**

Super-types: [xs:string](#) < **EsporgStandardLevelEnum** (by restriction)

Sub-types:

- [_EsporgStandardLevelEnum](#) (by extension)

Name EsporgStandardLevelEnum

Content

- Base XSD Type: string
- *value* comes from list: {'bronze'|'silver'|'gold'|'platinum'|'_extended'}

Documentation Classification according to the technical specifications of the European secure parking organisation.

Schema Component Representation

```
<xs:simpleType name="EsporgStandardLevelEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="bronze"/>
    <xs:enumeration value="silver"/>
    <xs:enumeration value="gold"/>
    <xs:enumeration value="platinum"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
```



```
</xs:simpleType>
```

[top](#)

Simple Type: **HierarchyElementTypeEnum**

Super-types: [xs:string](#) < **HierarchyElementTypeEnum** (by restriction)

Sub-types:

- [_HierarchyElementTypeEnum](#) (by extension)

Name HierarchyElementTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'campus'|'place'|'subplaceElement'|'identifiedArea'|'space'|'_extended'}

Documentation Defines the supported lists of types of parking hierarchy elements permissible

Schema Component Representation

```
<xs:simpleType name="HierarchyElementTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="campus"/>
    <xs:enumeration value="place"/>
    <xs:enumeration value="subplaceElement"/>
    <xs:enumeration value="identifiedArea"/>
    <xs:enumeration value="space"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **LayoutEnum**

Super-types: [xs:string](#) < **LayoutEnum** (by restriction)

Sub-types:

- [_LayoutEnum](#) (by extension)

Name LayoutEnum

Content

- Base XSD Type: string
- *value* comes from list: {'layBy'|'openSpace'|'nested'|'field'|'building'|'_extended'}

Documentation Types of layout of this (parking) place.

Schema Component Representation

```
<xs:simpleType name="LayoutEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="layBy"/>
    <xs:enumeration value="openSpace"/>
    <xs:enumeration value="nested"/>
    <xs:enumeration value="field"/>
    <xs:enumeration value="building"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **OperatingRestrictionsEnum**

Super-types: [xs:string](#) < **OperatingRestrictionsEnum** (by restriction)

Sub-types:

- [_OperatingRestrictionsEnum](#) (by extension)

Name OperatingRestrictionsEnum

Content

- Base XSD Type: string
- *value* comes from list: {'carpoolOnly'|'commercialVehicleOnly'|'freeParking'|'busOnly'|'busStop'|'disabledPersonPermitOnly'|'electricVehicleOnly'|'governmentVehicleOnly'|'loadingZone'|'loadingZoneCommercial'|'media'|'residentialPermitOnly'|'snow'|'streetCleaning'}

Documentation Defines operating restrictions to use the of a facility.

Schema Component Representation

```
<xs:simpleType name="OperatingRestrictionsEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="carpoolOnly"/>
    <xs:enumeration value="commercialVehicleOnly"/>
    <xs:enumeration value="freeParking"/>
    <xs:enumeration value="busOnly"/>
    <xs:enumeration value="busStop"/>
    <xs:enumeration value="disabledPersonPermitOnly"/>
    <xs:enumeration value="electricVehicleOnly"/>
    <xs:enumeration value="governmentVehicleOnly"/>
    <xs:enumeration value="loadingZone"/>
    <xs:enumeration value="loadingZoneCommercial"/>
    <xs:enumeration value="media"/>
    <xs:enumeration value="residentialPermitOnly"/>
    <xs:enumeration value="snow"/>
    <xs:enumeration value="streetCleaning"/>
  </xs:restriction>
</xs:simpleType>
```

```
<xs:enumeration value="parkingTimeLimit"/>
<xs:enumeration value="taxiOnly"/>
<xs:enumeration value="valetOnly"/>
<xs:enumeration value="noParking"/>
<xs:enumeration value="noWaiting"/>
<xs:enumeration value="temporaryParking"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingConditionsEnum**

Super-types: [xs:string](#) < **ParkingConditionsEnum** (by restriction)

Sub-types:

- [_ParkingConditionsEnum](#) (by extension)

Name ParkingConditionsEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'normalParkingConditionsSuspended'|'specialParkingConditionsInForce'|'other'|'_extended'}

Documentation Defines if normal parking conditions are suspended or special parking conditions are in force.

Schema Component Representation

```
<xs:simpleType name="ParkingConditionsEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="normalParkingConditionsSuspended"/>
    <xs:enumeration value="specialParkingConditionsInForce"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingFaultEnum**

Super-types: [xs:string](#) < **ParkingFaultEnum** (by restriction)

Sub-types:

- [_ParkingFaultEnum](#) (by extension)

Name ParkingFaultEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'communicationsFailure'|'barrierMalfunction'|'entranceExitObstructed'|'erroneousOccupancyInformation'|'erroneousOccupancyDisplayed'|'paymentM

Documentation Types of parking site or access faults.

Schema Component Representation

```
<xs:simpleType name="ParkingFaultEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="communicationsFailure"/>
    <xs:enumeration value="barrierMalfunction"/>
    <xs:enumeration value="entranceExitObstructed"/>
    <xs:enumeration value="erroneousOccupancyInformation"/>
    <xs:enumeration value="erroneousOccupancyDisplayed"/>
    <xs:enumeration value="paymentMachinesInoperative"/>
    <xs:enumeration value="reservationServiceOutOfOrder"/>
    <xs:enumeration value="noParkingInformationAvailable"/>
    <xs:enumeration value="unspecified"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingModeEnum**

Super-types: [xs:string](#) < **ParkingModeEnum** (by restriction)

Sub-types:

- [_ParkingModeEnum](#) (by extension)

Name ParkingModeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'perpendicularParking'|'parallelParking'|'echelonParking'|'parkingOnOppositeSideOfRoad'|'other'|'_extended'}

Documentation The arrangement of the parking space or the group of parking spaces in relation to the road.

Schema Component Representation

```
<xs:simpleType name="ParkingModeEnum">
  <xs:restriction base="xs:string">
```

```
<xs:enumeration value="perpendicularParking"/>
<xs:enumeration value="parallelParking"/>
<xs:enumeration value="echelonParking"/>
<xs:enumeration value="parkingOnOppositeSideOfRoad"/>
<xs:enumeration value="other"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingOccupancyEnum**

Super-types: [xs:string](#) < **ParkingOccupancyEnum** (by restriction)

Sub-types:

- [_ParkingOccupancyEnum](#) (by extension)

Name ParkingOccupancyEnum

Content

- Base XSD Type: string
- *value* comes from list:
{expectCarParkToBeFull|percentage10|percentage20|percentage30|percentage40|percentage50|percentage60|percentage70|percentage80|

Documentation Parking Occupancy enum.

Schema Component Representation

```
<xs:simpleType name="ParkingOccupancyEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="expectCarParkToBeFull"/>
    <xs:enumeration value="percentage10"/>
    <xs:enumeration value="percentage20"/>
    <xs:enumeration value="percentage30"/>
    <xs:enumeration value="percentage40"/>
    <xs:enumeration value="percentage50"/>
    <xs:enumeration value="percentage60"/>
    <xs:enumeration value="percentage70"/>
    <xs:enumeration value="percentage80"/>
    <xs:enumeration value="percentage90"/>
    <xs:enumeration value="full"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingOccupancyTrendEnum**

Super-types: [xs:string](#) < **ParkingOccupancyTrendEnum** (by restriction)

Sub-types:

- [_ParkingOccupancyTrendEnum](#) (by extension)

Name ParkingOccupancyTrendEnum

Content

- Base XSD Type: string
- *value* comes from list:
{decreasing|increasing|stable|increasingQuickly|increasingSlowly|decreasingQuickly|decreasingSlowly|unknown|other|_extended}

Documentation List of terms used to describe the trend in parking space occupancy.

Schema Component Representation

```
<xs:simpleType name="ParkingOccupancyTrendEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="decreasing"/>
    <xs:enumeration value="increasing"/>
    <xs:enumeration value="stable"/>
    <xs:enumeration value="increasingQuickly"/>
    <xs:enumeration value="increasingSlowly"/>
    <xs:enumeration value="decreasingQuickly"/>
    <xs:enumeration value="decreasingSlowly"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingPlaceStatusEnum**

Super-types: [xs:string](#) < **ParkingPlaceStatusEnum** (by restriction)

Sub-types:

- [_ParkingPlaceStatusEnum](#) (by extension)

Name ParkingPlaceStatusEnum

Content

- Base XSD Type: string
- *value* comes from list:
{full|fullAtEntrance|spacesAvailable|almostFull|overcrowding|overcrowdingLevel1|overcrowdingLevel2|noOvercrowding|unknown|other|_ext

Documentation The status of the parking place or sub-places (spaces available or not).

Schema Component Representation

```
<xs:simpleType name="ParkingPlaceStatusEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="full"/>
    <xs:enumeration value="fullAtEntrance"/>
    <xs:enumeration value="spacesAvailable"/>
    <xs:enumeration value="almostFull"/>
    <xs:enumeration value="overcrowding"/>
    <xs:enumeration value="overcrowdingLevel1"/>
    <xs:enumeration value="overcrowdingLevel2"/>
    <xs:enumeration value="noOvercrowding"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: ParkingRouteOrientationEnum

Super-types: [xs:string](#) < **ParkingRouteOrientationEnum** (by restriction)

Sub-types:

- [_ParkingRouteOrientationEnum](#) (by extension)

Name	ParkingRouteOrientationEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: {'towardsParkingSite' 'awayFromParkingSite' '_extended'}
Documentation	Orientation of traffic for a parking route.

Schema Component Representation

```
<xs:simpleType name="ParkingRouteOrientationEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="towardsParkingSite"/>
    <xs:enumeration value="awayFromParkingSite"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: ParkingRouteTypeEnum

Super-types: [xs:string](#) < **ParkingRouteTypeEnum** (by restriction)

Sub-types:

- [_ParkingRouteTypeEnum](#) (by extension)

Name	ParkingRouteTypeEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: {'pedestrian' 'bicycle' 'lorry' 'other' '_extended'}
Documentation	The type of the parking route.

Schema Component Representation

```
<xs:simpleType name="ParkingRouteTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="pedestrian"/>
    <xs:enumeration value="bicycle"/>
    <xs:enumeration value="lorry"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: ParkingSafetyEnum

Super-types: [xs:string](#) < **ParkingSafetyEnum** (by restriction)

Sub-types:

- [_ParkingSafetyEnum](#) (by extension)

Name	ParkingSafetyEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: {'pedestrianSafety' 'clearSafetySigns' 'safeDecelerationAndAcceleration' 'clearDistinctionCarsHGV' 'emergencySafety' 'seperatedDangerousGood' '_extended'}
Documentation	Safety requirements for truck parking sites according to European Secure Parking Organisation.

Schema Component Representation

```
<xs:simpleType name="ParkingSafetyEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="pedestrianSafety"/>
```

```
<xs:enumeration value="clearSafetySigns"/>
<xs:enumeration value="safeDecelerationAndAcceleration"/>
<xs:enumeration value="clearDistinctionCarsHGV"/>
<xs:enumeration value="emergencySafety"/>
<xs:enumeration value="seperatedDangerousGood"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingSecurityEnum**

Super-types: [xs:string](#) < **ParkingSecurityEnum** (by restriction)

Sub-types:

- [_ParkingSecurityEnum](#) (by extension)

Name ParkingSecurityEnum

Content

- Base XSD Type: string
- *value* comes from list:
{socialControl|securityStaff|externalSecurity|cctv|dog|guard24hours|lighting|floodLight|fences|areaSeperatedFromSurroundings|none|unkn

Documentation Specifies security measures related to the parking site or particular spaces.

Schema Component Representation

```
<xs:simpleType name="ParkingSecurityEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="socialControl"/>
    <xs:enumeration value="securityStaff"/>
    <xs:enumeration value="externalSecurity"/>
    <xs:enumeration value="cctv"/>
    <xs:enumeration value="dog"/>
    <xs:enumeration value="guard24hours"/>
    <xs:enumeration value="lighting"/>
    <xs:enumeration value="floodLight"/>
    <xs:enumeration value="fences"/>
    <xs:enumeration value="areaSeperatedFromSurroundings"/>
    <xs:enumeration value="none"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingSpaceConvenienceEnum**

Super-types: [xs:string](#) < **ParkingSpaceConvenienceEnum** (by restriction)

Sub-types:

- [_ParkingSpaceConvenienceEnum](#) (by extension)

Name ParkingSpaceConvenienceEnum

Content

- Base XSD Type: string
- *value* comes from list:
{extraSpaceLeftSide|extraSpaceRightSide|nearbyPedestrianExit|bordersMarked|other|_extended}

Documentation Facilities for persons with disabilities.

Schema Component Representation

```
<xs:simpleType name="ParkingSpaceConvenienceEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="extraSpaceLeftSide"/>
    <xs:enumeration value="extraSpaceRightSide"/>
    <xs:enumeration value="nearbyPedestrianExit"/>
    <xs:enumeration value="bordersMarked"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingSpaceOccupancyDetectionEnum**

Super-types: [xs:string](#) < **ParkingSpaceOccupancyDetectionEnum** (by restriction)

Sub-types:

- [_ParkingSpaceOccupancyDetectionEnum](#) (by extension)

Name ParkingSpaceOccupancyDetectionEnum

Content

- Base XSD Type: string
- *value* comes from list:
{visual|anpr|imageAnalytics|videoAnalytics|videoSpace|spaceSensor|userDeclaration|balancing|modelBased|none|unknown|other|_exten

Documentation A list of supported methods for detection of occupancy by a vehicle in a parking space.

Schema Component Representation

```
<xs:simpleType name="ParkingSpaceOccupancyDetectionEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="visual"/>
    <xs:enumeration value="anpr"/>
    <xs:enumeration value="imageAnalytics"/>
    <xs:enumeration value="videoAnalytics"/>
    <xs:enumeration value="videoSpace"/>
    <xs:enumeration value="spaceSensor"/>
    <xs:enumeration value="userDeclaration"/>
    <xs:enumeration value="balancing"/>
    <xs:enumeration value="modelBased"/>
    <xs:enumeration value="none"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingStructuralCharacteristicsEnum**

Super-types: [xs:string](#) < **ParkingStructuralCharacteristicsEnum** (by restriction)

Sub-types:

- [_ParkingStructuralCharacteristicsEnum](#) (by extension)

Name ParkingStructuralCharacteristicsEnum

Content

- Base XSD Type: string
- *value* comes from list: {'driveThrough'|'openAir'|'evenSurface'|'kerbside'|'softShoulder'|'_extended'}

Documentation Specifies some structural characteristics of a parking space or a group of parking spaces.

Schema Component Representation

```
<xs:simpleType name="ParkingStructuralCharacteristicsEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="driveThrough"/>
    <xs:enumeration value="openAir"/>
    <xs:enumeration value="evenSurface"/>
    <xs:enumeration value="kerbside"/>
    <xs:enumeration value="softShoulder"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingSupervisionEnum**

Super-types: [xs:string](#) < **ParkingSupervisionEnum** (by restriction)

Sub-types:

- [_ParkingSupervisionEnum](#) (by extension)

Name ParkingSupervisionEnum

Content

- Base XSD Type: string
- *value* comes from list: {'remote'|'onSite'|'controlCentreOnSite'|'controlCentreOffSite'|'patrol'|'none'|'unknown'|'other'|'_extended'}

Documentation Defines the kind of supervision of the parking site.

Schema Component Representation

```
<xs:simpleType name="ParkingSupervisionEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="remote"/>
    <xs:enumeration value="onSite"/>
    <xs:enumeration value="controlCentreOnSite"/>
    <xs:enumeration value="controlCentreOffSite"/>
    <xs:enumeration value="patrol"/>
    <xs:enumeration value="none"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingUsageScenarioEnum**

Super-types: [xs:string](#) < **ParkingUsageScenarioEnum** (by restriction)

Sub-types:

- [_ParkingUsageScenarioEnum](#) (by extension)

Name ParkingUsageScenarioEnum

Content

- Base XSD Type: string
- *value* comes from list: {'automatedParkingGarage'|'carSharing'|'delivery'|'dropOff'|'dropOffMechanical'|'dropOffWithValet'|'eventParking'|'guidanceToAvailableSpaces'|'kissAr

Schema Component Representation

```
<xs:simpleType name="ParkingUsageScenarioEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="automatedParkingGarage"/>
    <xs:enumeration value="carSharing"/>
    <xs:enumeration value="delivery"/>
    <xs:enumeration value="dropOff"/>
    <xs:enumeration value="dropOffMechanical"/>
    <xs:enumeration value="dropOffWithValet"/>
    <xs:enumeration value="eventParking"/>
    <xs:enumeration value="guidanceToAvailableSpaces"/>
    <xs:enumeration value="kissAndRide"/>
    <xs:enumeration value="liftshare"/>
    <xs:enumeration value="motorwayParking"/>
    <xs:enumeration value="nearbyMotorwayParking"/>
    <xs:enumeration value="overnightParking"/>
    <xs:enumeration value="parkAndCycle"/>
    <xs:enumeration value="parkAndDrive"/>
    <xs:enumeration value="parkAndRide"/>
    <xs:enumeration value="parkAndWalk"/>
    <xs:enumeration value="poiParking"/>
    <xs:enumeration value="restArea"/>
    <xs:enumeration value="serviceArea"/>
    <xs:enumeration value="specialLocation"/>
    <xs:enumeration value="staffGuidesToSpace"/>
    <xs:enumeration value="truckParking"/>
    <xs:enumeration value="vehicleLift"/>
    <xs:enumeration value="zone"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **ParkingVacantSpacesEnum**

Super-types: [xs:string](#) < **ParkingVacantSpacesEnum** (by restriction)

Sub-types:

- [_ParkingVacantSpacesEnum](#) (by extension)

Name	ParkingVacantSpacesEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: {'noParkingSpacesAvailable' 'expectNoSpacesAvailable' 'onlyAFewSpacesAvailable' 'lessThan10SpacesAvailable' 'lessThan20SpacesAvailable' 'les
Documentation	Parking vacant spaces enum.

Schema Component Representation

```
<xs:simpleType name="ParkingVacantSpacesEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="noParkingSpacesAvailable"/>
    <xs:enumeration value="expectNoSpacesAvailable"/>
    <xs:enumeration value="onlyAFewSpacesAvailable"/>
    <xs:enumeration value="lessThan10SpacesAvailable"/>
    <xs:enumeration value="lessThan20SpacesAvailable"/>
    <xs:enumeration value="lessThan30SpacesAvailable"/>
    <xs:enumeration value="lessThan40SpacesAvailable"/>
    <xs:enumeration value="lessThan50SpacesAvailable"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **PublicTransportTypeEnum**

Super-types: [xs:string](#) < **PublicTransportTypeEnum** (by restriction)

Sub-types:

- [_PublicTransportTypeEnum](#) (by extension)

Name	PublicTransportTypeEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: {'freePublicTransport' 'nonFreePublicTransport' 'onDemandTraffic' 'railReplacementService' 'shuttleService' '_extended'}
Documentation	Special measures in the context of public transport.

Schema Component Representation

```
<xs:simpleType name="PublicTransportTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="freePublicTransport"/>
    <xs:enumeration value="nonFreePublicTransport"/>
    <xs:enumeration value="onDemandTraffic"/>
    <xs:enumeration value="railReplacementService"/>
    <xs:enumeration value="shuttleService"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

```
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **PublicTransportVehicleType**

Super-types: [xs:string](#) < **PublicTransportVehicleType** (by restriction)

Sub-types:

- [_PublicTransportVehicleType](#) (by extension)

Name PublicTransportVehicleType

Content

- Base XSD Type: string
- *value* comes from list: {'bus'|'coach'|'miniBus'|'subway'|'taxi'|'train'|'tram'|'_extended'}

Documentation Types of public transport vehicles

Schema Component Representation

```
<xs:simpleType name="PublicTransportVehicleType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="bus"/>
    <xs:enumeration value="coach"/>
    <xs:enumeration value="miniBus"/>
    <xs:enumeration value="subway"/>
    <xs:enumeration value="taxi"/>
    <xs:enumeration value="train"/>
    <xs:enumeration value="tram"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **RegulationEnum**

Super-types: [xs:string](#) < **RegulationEnum** (by restriction)

Sub-types:

- [_RegulationEnum](#) (by extension)

Name RegulationEnum

Content

- Base XSD Type: string
- *value* comes from list: {'permitted'|'prohibited'|'punishable'|'seasonalHeterogeneous'|'permittedOnlyAtParticularTimes'|'permittedOnlyOnParticularAreas'|'prohibitedAtParticularTimes'|'prohibitedOnParticularAreas'|'onlyOnRequest'|'heterogeneous'|'onlyOutsideBuildings'|'onlyInsideBuildings'|'unspecified'|'unknown'|'other'|'_extended'}

Documentation Regulation parameters for actions.

Schema Component Representation

```
<xs:simpleType name="RegulationEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="permitted"/>
    <xs:enumeration value="prohibited"/>
    <xs:enumeration value="punishable"/>
    <xs:enumeration value="seasonalHeterogeneous"/>
    <xs:enumeration value="permittedOnlyAtParticularTimes"/>
    <xs:enumeration value="permittedOnlyOnParticularAreas"/>
    <xs:enumeration value="prohibitedAtParticularTimes"/>
    <xs:enumeration value="prohibitedOnParticularAreas"/>
    <xs:enumeration value="onlyOnRequest"/>
    <xs:enumeration value="heterogeneous"/>
    <xs:enumeration value="onlyOutsideBuildings"/>
    <xs:enumeration value="onlyInsideBuildings"/>
    <xs:enumeration value="unspecified"/>
    <xs:enumeration value="unknown"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **RoadTypeEnum**

Super-types: [xs:string](#) < **RoadTypeEnum** (by restriction)

Sub-types:

- [_RoadTypeEnum](#) (by extension)

Name RoadTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'motorway'|'trunkRoad'|'mainRoad'|'other'|'_extended'}

Documentation Categorisation of the road type (motorway, main road,...).

Schema Component Representation

```
<xs:simpleType name="RoadTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="motorway"/>
  </xs:restriction>
</xs:simpleType>
```



```
<xs:enumeration value="trunkRoad"/>
<xs:enumeration value="mainRoad"/>
<xs:enumeration value="other"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **SessionActivationModeEnum**

Super-types: [xs:string](#) < **SessionActivationModeEnum** (by restriction)

Sub-types:

- [_SessionActivationModeEnum](#) (by extension)

Name SessionActivationModeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'payByPlate'|'payBySpace'|'payAndDisplay'|'ticket'|'permit'|'app'|'_extended'}

Documentation Modes or credentials that can be used to activate a parking session or other operation (delivery, loading, etc).

Schema Component Representation

```
<xs:simpleType name="SessionActivationModeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="payByPlate"/>
    <xs:enumeration value="payBySpace"/>
    <xs:enumeration value="payAndDisplay"/>
    <xs:enumeration value="ticket"/>
    <xs:enumeration value="permit"/>
    <xs:enumeration value="app"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **SpecialLocationEnum**

Super-types: [xs:string](#) < **SpecialLocationEnum** (by restriction)

Sub-types:

- [_SpecialLocationEnum](#) (by extension)

Name SpecialLocationEnum

Content

- Base XSD Type: string
- *value* comes from list: {'airportTerminal'|'exhibitonCentre'|'shoppingCentre'|'specificFacility'|'trainStation'|'campGround'|'themePark'|'ferryTerminal'|'vehicleOnRailTerminal'|'coachStation'|'cableCarStation'|'publicTransportStation'|'market'|'religiousCentre'|'conventionCentre'|'cinema'|'skiLift'|'other'|'_extended'}

Documentation Types of locations, often associated with some building.

Schema Component Representation

```
<xs:simpleType name="SpecialLocationEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="airportTerminal"/>
    <xs:enumeration value="exhibitonCentre"/>
    <xs:enumeration value="shoppingCentre"/>
    <xs:enumeration value="specificFacility"/>
    <xs:enumeration value="trainStation"/>
    <xs:enumeration value="campGround"/>
    <xs:enumeration value="themePark"/>
    <xs:enumeration value="ferryTerminal"/>
    <xs:enumeration value="vehicleOnRailTerminal"/>
    <xs:enumeration value="coachStation"/>
    <xs:enumeration value="cableCarStation"/>
    <xs:enumeration value="publicTransportStation"/>
    <xs:enumeration value="market"/>
    <xs:enumeration value="religiousCentre"/>
    <xs:enumeration value="conventionCentre"/>
    <xs:enumeration value="cinema"/>
    <xs:enumeration value="skiLift"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **StaffEnum**

Super-types: [xs:string](#) < **StaffEnum** (by restriction)

Sub-types:

- [_StaffEnum](#) (by extension)

Name StaffEnum

Content

- Base XSD Type: string
- *value* comes from list: {'staffed'|'unstaffed'|'temporary'|'_extended'}

Schema Component Representation

```
<xs:simpleType name="StaffEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="staffed"/>
    <xs:enumeration value="unstaffed"/>
    <xs:enumeration value="temporary"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **StructureGradeEnum**

Super-types:

[xs:string](#) < **StructureGradeEnum** (by restriction)

Sub-types:

- [_StructureGradeEnum](#) (by extension)

Name	StructureGradeEnum
Content	- Base XSD Type: string <i>value</i> comes from list: {'underground' 'groundLevel' 'aboveGround' '_extended'}
Documentation	Types of layout of the parking site.

Schema Component Representation

```
<xs:simpleType name="StructureGradeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="underground"/>
    <xs:enumeration value="groundLevel"/>
    <xs:enumeration value="aboveGround"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **StructureTypeEnum**

Super-types:

[xs:string](#) < **StructureTypeEnum** (by restriction)

Sub-types:

- [_StructureTypeEnum](#) (by extension)

Name	StructureTypeEnum
Content	- Base XSD Type: string <i>value</i> comes from list: {'onStreet' 'offStreetSurface' 'offStreetStructure' '_extended'}
Documentation	A list of types of parking structure.

Schema Component Representation

```
<xs:simpleType name="StructureTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="onStreet"/>
    <xs:enumeration value="offStreetSurface"/>
    <xs:enumeration value="offStreetStructure"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **SupplyViewTypeEnum**

Super-types:

[xs:string](#) < **SupplyViewTypeEnum** (by restriction)

Sub-types:

- [_SupplyViewTypeEnum](#) (by extension)

Name	SupplyViewTypeEnum
Content	- Base XSD Type: string <i>value</i> comes from list: {'spaceView' 'vehicleView' '_extended'}
Documentation	Define if space quantity is demarcated or estimated.

Schema Component Representation

```
<xs:simpleType name="SupplyViewTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="spaceView"/>
    <xs:enumeration value="vehicleView"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **TruckParkingDynamicManagementEnum**

Super-types:	xs:string < TruckParkingDynamicManagementEnum (by restriction)
Sub-types:	• _TruckParkingDynamicManagementEnum (by extension)

Name	TruckParkingDynamicManagementEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: {'compactParking','queueParking','noDynamicParkingManagement','other','_extended'}
Documentation	Dynamic parking mode enum.

Schema Component Representation

```
<xs:simpleType name="TruckParkingDynamicManagementEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="compactParking"/>
    <xs:enumeration value="queueParking"/>
    <xs:enumeration value="noDynamicParkingManagement"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

DATEXII_3_RoadTrafficData

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Schema Document Properties

Target Namespace	http://datex2.eu/schema/3/roadTrafficData
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.
Schema Composition	• This schema imports schema(s) from the following namespace(s): ◦ http://datex2.eu/schema/3/locationReferencing (at DATEXII_3_LocationReferencing.xsd) ◦ http://datex2.eu/schema/3/common (at DATEXII_3_Common.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
loc	http://datex2.eu/schema/3/locationReferencing
com	http://datex2.eu/schema/3/common
roa	http://datex2.eu/schema/3/roadTrafficData

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified"
version="3.3" targetNamespace="http://datex2.eu/schema/3/roadTrafficData">
  <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/common"
schemaLocation="DATEXII_3_Common.xsd"/>
  ...
</xs:schema>
```

[top](#)

Global Definitions

Complex Type: **BasicData**

Super-types: None

Sub-types:

- [TravelTimeData](#) (by extension)

Name BasicData

Abstract yes

Documentation Data that are either measured or calculated at the same time or over the same time period.

XML Instance Representation

```
<...>
  <roa:_basicDataExtension> com:_ExtensionType </roa:_basicDataExtension>
  [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="BasicData" abstract="true">
  <xs:sequence>
    <xs:element name="_basicDataExtension" type="com:_ExtensionType"
      minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **DateTimeValue**

Super-types: [com:DataValue](#) < **DateTimeValue** (by extension)

Sub-types: None

Name DateTimeValue

Abstract no

Documentation A measured or calculated value of an instant in time.

XML Instance Representation

```
<...>
  <!-- 'com:DataValue' super type was not found in this schema. Some
  elements and attributes may be missing. -->
  <roa:dateTime> com:DateTime </roa:dateTime> [1] ?
  <roa:_dateTimeValueExtension> com:_ExtensionType
  </roa:_dateTimeValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DateTimeValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="dateTime" type="com:DateTime" minOccurs="1"
          maxOccurs="1"/>
        <xs:element name="_dateTimeValueExtension"
          type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```
</xs:extension>
</xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **DurationValue**

Super-types: [com:DataValue](#) < **DurationValue** (by extension)

Sub-types: None

Name	DurationValue
Abstract	no
Documentation	A measured or calculated value of a period of time.

XML Instance Representation

```
<...>
  <!-- 'com:DataValue' super type was not found in this schema. Some
  elements and attributes may be missing. -->
  <roa:duration> com:Seconds </roa:duration> [1] ?
  <roa:_durationValueExtension> com:_ExtensionType
  </roa:_durationValueExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DurationValue">
  <xs:complexContent>
    <xs:extension base="com:DataValue">
      <xs:sequence>
        <xs:element name="duration" type="com:Seconds" minOccurs="1"
          maxOccurs="1"/>
        <xs:element name="_durationValueExtension"
          type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **MeasurementOrCalculationTime**

Super-types: None

Sub-types: None

Name	MeasurementOrCalculationTime
Abstract	no
Documentation	Describes the time at which a measured or calculated value or set of values was measured or calculated. It may be a future time at which a data value is predicted to apply.

XML Instance Representation

```
<...
timePrecision="com:TimePrecisionEnum [0..1] ?">
  <roa:timeMeaning> roa:_TimeMeaningEnum </roa:timeMeaning> [0..1] ?
  <roa:timeValue> com:DateTime </roa:timeValue> [0..1] ?
  <roa:period> com:Period </roa:period> [0..1] ?
```

```

<roa:_measurementOrCalculationTimeExtension> com:_ExtensionType
</roa:_measurementOrCalculationTimeExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="MeasurementOrCalculationTime">
  <xs:sequence>
    <xs:element name="timeMeaning" type="roa:_TimeMeaningEnum" minOccurs="0"
      maxOccurs="1"/>
    <xs:element name="timeValue" type="com:DateTime" minOccurs="0"
      maxOccurs="1"/>
    <xs:element name="period" type="com:Period" minOccurs="0"/>
    <xs:element name="_measurementOrCalculationTimeExtension"
      type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="timePrecision" type="com:_TimePrecisionEnum"
    use="optional"/>
</xs:complexType>

```

[top](#)

Complex Type: **TravelTimeData**

Super-types: [BasicData](#) < TravelTimeData (by extension)

Sub-types: None

Name	TravelTimeData
Abstract	no
Documentation	Derived/computed travel time information relating to a linear section of the road network; forecast = true means a forecast for a vehicle at the start of the specified location, forecast = false means calculation/measurement at the end.

XML Instance Representation

```

<...>
  <roa:_basicDataExtension> com:_ExtensionType </roa:_basicDataExtension>
  [0..1]
  <roa:travelTimeTrendType> roa:_TravelTimeTrendTypeEnum
  </roa:travelTimeTrendType> [0..1] ?
  <roa:travelTimeType> roa:_TravelTimeTypeEnum </roa:travelTimeType> [0..1]
  ?
  <roa:vehicleType> com:_VehicleTypeEnum </roa:vehicleType> [0..*] ?
  <roa:travelTime> roa:DurationValue </roa:travelTime> [0..1] ?
  <roa:freeFlowTravelTime> roa:DurationValue </roa:freeFlowTravelTime>
  [0..1] ?
  <roa:normallyExpectedTravelTime> roa:DurationValue
  </roa:normallyExpectedTravelTime> [0..1] ?
  <roa:travelTimeDelay> roa:DurationValue </roa:travelTimeDelay> [0..1] ?
  <roa:freeFlowSpeed> com:_SpeedValue </roa:freeFlowSpeed> [0..1] ?
  <roa:_travelTimeDataExtension> com:_ExtensionType
  </roa:_travelTimeDataExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="TravelTimeData">
  <xs:complexContent>
    <xs:extension base="roa:BasicData">
      <xs:sequence>
        <xs:element name="travelTimeTrendType"
          type="roa:_TravelTimeTrendTypeEnum" minOccurs="0" maxOccurs="1"/>

```

```

<xs:element name="travelTimeType" type="roa:_TravelTimeTypeEnum"
minOccurs="0" maxOccurs="1"/>
<xs:element name="vehicleType" type="com:_VehicleTypeEnum"
minOccurs="0" maxOccurs="unbounded"/>
<xs:element name="travelTime" type="roa:DurationValue"
minOccurs="0"/>
<xs:element name="freeFlowTravelTime" type="roa:DurationValue"
minOccurs="0"/>
<xs:element name="normallyExpectedTravelTime"
type="roa:DurationValue" minOccurs="0"/>
<xs:element name="travelTimeDelay" type="roa:DurationValue"
minOccurs="0"/>
<xs:element name="freeFlowSpeed" type="com:SpeedValue"
minOccurs="0"/>
<xs:element name="_travelTimeDataExtension"
type="com:_ExtensionType" minOccurs="0"/>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: **_TimeMeaningEnum**

Super-types: [xs:string](#) < [TimeMeaningEnum](#) (by restriction) < [_TimeMeaningEnum](#) (by extension)

Sub-types: None

Name [_TimeMeaningEnum](#)

Abstract no

XML Instance Representation

```

<...
  _extendedValue="xs:string [0..1]">
    roa:TimeMeaningEnum
  </...>

```

Schema Component Representation

```

<xs:complexType name="_TimeMeaningEnum">
  <xs:simpleContent>
    <xs:extension base="roa:TimeMeaningEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

[top](#)

Complex Type: **_TravelTimeTrendTypeEnum**

Super-types: [xs:string](#) < [TravelTimeTrendTypeEnum](#) (by restriction) < [_TravelTimeTrendTypeEnum](#) (by extension)

Sub-types: None

Name [_TravelTimeTrendTypeEnum](#)

Abstract no

XML Instance Representation


```
<...
  _extendedValue="xs:string [0..1]">
    roa:TravelTimeTrendTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TravelTimeTrendTypeEnum">
  <xs:simpleContent>
    <xs:extension base="roa:TravelTimeTrendTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: **_TravelTimeTypeEnum**

Super-types: [xs:string](#) < [TravelTimeTypeEnum](#) (by restriction) < [_TravelTimeTypeEnum](#) (by extension)

Sub-types: None

Name [_TravelTimeTypeEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    roa:TravelTimeTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_TravelTimeTypeEnum">
  <xs:simpleContent>
    <xs:extension base="roa:TravelTimeTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Simple Type: **TimeMeaningEnum**

Super-types: [xs:string](#) < **TimeMeaningEnum** (by restriction)

Sub-types:

- [_TimeMeaningEnum](#) (by extension)

Name TimeMeaningEnum

Content

- Base XSD Type: string
- *value* comes from list:
 - {'beginTime'|'endTime'|'middleTime'|'_extended'}

Documentation Explains the meaning of a specific time value with respect to a time period

Schema Component Representation

```

<xs:simpleType name="TimeMeaningEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="beginTime"/>
    <xs:enumeration value="endTime"/>
    <xs:enumeration value="middleTime"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>

```

[top](#)

Simple Type: **TravelTimeTrendTypeEnum**

Super-types: [xs:string](#) < **TravelTimeTrendTypeEnum** (by restriction)

Sub-types:

- [_TravelTimeTrendTypeEnum](#) (by extension)

Name TravelTimeTrendTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
 - {'decreasing'|'increasing'|'stable'|'_extended'}

Documentation List of terms used to describe the trend in travel times.

Schema Component Representation

```

<xs:simpleType name="TravelTimeTrendTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="decreasing"/>
    <xs:enumeration value="increasing"/>
    <xs:enumeration value="stable"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>

```

[top](#)

Simple Type: **TravelTimeTypeEnum**

Super-types: [xs:string](#) < **TravelTimeTypeEnum** (by restriction)

Sub-types:

- [_TravelTimeTypeEnum](#) (by extension)

Name TravelTimeTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
 - {'best'|'estimated'|'instantaneous'|'reconstituted'|'predictor'|'profile'|'sum'|'_extended'}

Documentation List of ways in which travel times are derived.

Schema Component Representation

```

<xs:simpleType name="TravelTimeTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="best"/>
    <xs:enumeration value="estimated"/>
    <xs:enumeration value="instantaneous"/>
    <xs:enumeration value="reconstituted"/>
    <xs:enumeration value="predictor"/>
  </xs:restriction>
</xs:simpleType>

```

```
<xs:enumeration value="profile"/>
<xs:enumeration value="sum"/>
<xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

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DATEXII_3_TrafficRegulation

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 - [Complex Type: PermitCondition](#)
 - [Complex Type: PermitSubjectToFee](#)
 - [Complex Type: RoadCondition](#)
 - [Complex Type: Speed](#)
 - [Complex Type: ValidityCondition](#)
 - [Complex Type: VehicleCondition](#)
 - [Complex Type: AccessConditionTypeEnum](#)
 - [Complex Type: ConditionOperator](#)
 - [Complex Type: DriverCharacteristicsTypeEnum](#)
 - [Complex Type: LicenseCharacteristicsEnum](#)
 - [Complex Type: NonVehicularRoadUserTypeEnum](#)
 - [Complex Type: RoadTypeEnum](#)
 - [Complex Type: UnitOfSpeedEnum](#)
 - [Simple Type: AccessConditionTypeEnum](#)
 - [Simple Type: AmountOfMoney](#)
 - [Simple Type: ConditionOperator](#)
 - [Simple Type: DriverCharacteristicsTypeEnum](#)
 - [Simple Type: Duration](#)
 - [Simple Type: LicenseCharacteristicsEnum](#)
 - [Simple Type: NonVehicularRoadUserTypeEnum](#)
 - [Simple Type: RoadTypeEnum](#)
 - [Simple Type: UnitOfSpeedEnum](#)

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Schema Document Properties

Target Namespace	http://datex2.eu/schema/3/trafficRegulation
Version	1
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.
Schema Composition	• This schema imports schema(s) from the following namespace(s): ◦ http://datex2.eu/schema/3/locationReferencing (at DATEXII_3_LocationReferencing.xsd) ◦ http://datex2.eu/schema/3/common (at DATEXII_3_Common.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
loc	http://datex2.eu/schema/3/locationReferencing
com	http://datex2.eu/schema/3/common
tro	http://datex2.eu/schema/3/trafficRegulation

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="1"
targetNamespace="http://datex2.eu/schema/3/trafficRegulation">
  <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
  ...
</xs:schema>
```

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Global Definitions

Complex Type: AccessCondition

Super-types:	Condition < AccessCondition (by extension)
Sub-types:	None

Name	AccessCondition
Abstract	no
Documentation	Conditions for the access of a road or carriageway or lane.

XML Instance Representation

```
<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
  <tro:accessConditionType> tro:_AccessConditionTypeEnum </tro:accessConditionType> [1..*] ?
</...>
```

```

<tro:otherAccessRestriction> com:MultilingualString </tro:otherAccessRestriction> [0..1] ?
<tro:applicableLocation> loc:LocationReference </tro:applicableLocation> [0..1] ?
<tro:_accessConditionExtension> com:_ExtensionType </tro:_accessConditionExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="AccessCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="accessConditionType" type="tro:_AccessConditionTypeEnum" minOccurs="1"
          maxOccurs="unbounded"/>
        <xs:element name="otherAccessRestriction" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="applicableLocation" type="loc:LocationReference" minOccurs="0"/>
        <xs:element name="_accessConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

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Complex Type: Condition

Super-types: None

Sub-types:

- [AccessCondition](#) (by extension)
- [ConditionSet](#) (by extension)
- [DriverCondition](#) (by extension)
- [LocationCondition](#) (by extension)
- [NonVehicularRoadUserCondition](#) (by extension)
- [OccupantCondition](#) (by extension)
- [PermitCondition](#) (by extension)
- [RoadCondition](#) (by extension)
- [ValidityCondition](#) (by extension)
- [VehicleCondition](#) (by extension)

Name	Condition
<u>Abstract</u>	yes
Documentation	Abstract class that specifies a condition for applicabilities or exemptions of a traffic regulation.

XML Instance Representation

```

<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="Condition" abstract="true">
  <xs:sequence>
    <xs:element name="negate" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="legalBasis" type="tro:LegalBasis" minOccurs="0"/>
    <xs:element name="_conditionExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: ConditionSet

Super-types: [Condition](#) < ConditionSet (by extension)

Sub-types: None

Name	ConditionSet
<u>Abstract</u>	no
Documentation	Groups a number of conditions into a condition set.

XML Instance Representation

```

<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
  <tro:operator> tro:_ConditionOperator </tro:operator> [1] ?
  <tro:conditions> tro:Condition </tro:conditions> [1..*] ?
  <tro:_conditionSetExtension> com:_ExtensionType </tro:_conditionSetExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="ConditionSet">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="operator" type="tro:_ConditionOperator" minOccurs="1" maxOccurs="1"/>
        <xs:element name="conditions" type="tro:Condition" maxOccurs="unbounded"/>
        <xs:element name="_conditionSetExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

Complex Type: DriverCondition

Super-types: [Condition](#) < DriverCondition (by extension)

Sub-types: None

Name DriverCondition

Abstract no

Documentation Conditions for the driver, e.g. holding a disabled permit.

XML Instance Representation

```
<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
  <tro:driverCharacteristicsType> tro:_DriverCharacteristicsTypeEnum </tro:driverCharacteristicsType> [0..1] ?
  <tro:ageOfDriver> com:NonNegativeInteger </tro:ageOfDriver> [0..1] ?
  <tro:licenseCharacteristics> tro:_LicenseCharacteristicsEnum </tro:licenseCharacteristics> [0..1] ?
  <tro:timeLicenseHeld> tro:Duration </tro:timeLicenseHeld> [0..1] ?
  <tro:_driverConditionExtension> com:_ExtensionType </tro:_driverConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DriverCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="driverCharacteristicsType" type="tro:_DriverCharacteristicsTypeEnum" minOccurs="0"
maxOccurs="1"/>
        <xs:element name="ageOfDriver" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
        <xs:element name="licenseCharacteristics" type="tro:_LicenseCharacteristicsEnum" minOccurs="0"
maxOccurs="1"/>
        <xs:element name="timeLicenseHeld" type="tro:Duration" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_driverConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: LegalBasis

Super-types: None

Sub-types: None

Name LegalBasis

Abstract no

Documentation Class for specification of a legal basis.

XML Instance Representation

```
<...>
  <tro:name> com:MultilingualString </tro:name> [1] ?
  <tro:version> com:String </tro:version> [0..1] ?
  <tro:date> com:Date </tro:date> [0..1] ?
  <tro:_legalBasisExtension> com:_ExtensionType </tro:_legalBasisExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="LegalBasis">
  <xs:sequence>
    <xs:element name="name" type="com:MultilingualString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="version" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="date" type="com:Date" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_legalBasisExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

Complex Type: LocationCondition

Super-types: [Condition](#) < LocationCondition (by extension)

Sub-types: None

Name LocationCondition

Abstract no

Documentation Conditions for the location of a traffic regulation.

XML Instance Representation

```
<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
  <tro:implementedLocation> loc:LocationReference </tro:implementedLocation> [0..1] ?
</...>
```

```

<tro:locationByOrder> loc:LocationReference </tro:locationByOrder> [0..1] ?
<tro:trafficImpactLocation> loc:LocationReference </tro:trafficImpactLocation> [0..1] ?
<tro:_locationConditionExtension> com:_ExtensionType </tro:_locationConditionExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="LocationCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="implementedLocation" type="loc:LocationReference" minOccurs="0"/>
        <xs:element name="locationByOrder" type="loc:LocationReference" minOccurs="0"/>
        <xs:element name="trafficImpactLocation" type="loc:LocationReference" minOccurs="0"/>
        <xs:element name="_locationConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: NonVehicularRoadUserCondition

Super-types: [Condition](#) < NonVehicularRoadUserCondition (by extension)
 Sub-types: None

Name NonVehicularRoadUserCondition
 Abstract no
 Documentation Conditions for non vehicular road users.

XML Instance Representation

```

<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
  <tro:nonVehicularRoadUser> tro:_NonVehicularRoadUserTypeEnum </tro:nonVehicularRoadUser> [1] ?
  <tro:_nonVehicularRoadUserConditionExtension> com:_ExtensionType </tro:_nonVehicularRoadUserConditionExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="NonVehicularRoadUserCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="nonVehicularRoadUser" type="tro:_NonVehicularRoadUserTypeEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_nonVehicularRoadUserConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: OccupantCondition

Super-types: [Condition](#) < OccupantCondition (by extension)
 Sub-types: None

Name OccupantCondition
 Abstract no
 Documentation Conditions for the occupants of a vehicle.

XML Instance Representation

```

<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
  <tro:disabledWithPermit> com:Boolean </tro:disabledWithPermit> [0..1] ?
  <tro:numberOfOccupants> com:NonNegativeInteger </tro:numberOfOccupants> [0..1] ?
  <tro:_occupantConditionExtension> com:_ExtensionType </tro:_occupantConditionExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="OccupantCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="disabledWithPermit" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="numberOfOccupants" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
        <xs:element name="_occupantConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: PermitCondition

Super-types:	Condition < PermitCondition (by extension)
Sub-types:	None

Name	PermitCondition
Abstract	no
Documentation	Condition for which a permit is required for vehicles with certain characteristics. Sometimes restricted to specific locations.

XML Instance Representation

```
<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
  <tro:whereToApplyForPermit> com:Url </tro:whereToApplyForPermit> [0..1] ?
  <tro:locationRelatedPermit> com:Boolean </tro:locationRelatedPermit> [0..1] ?
  <tro:maxDurationOfPermit> tro:Duration </tro:maxDurationOfPermit> [0..1] ?
  <tro:whereToCallForPermit> com:String </tro:whereToCallForPermit> [0..1] ?
  <tro:permitSubjectToFee> tro:PermitSubjectToFee </tro:permitSubjectToFee> [0..1]
  <tro:_permitConditionExtension> com:_ExtensionType </tro:_permitConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PermitCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="whereToApplyForPermit" type="com:Url" minOccurs="0" maxOccurs="1"/>
        <xs:element name="locationRelatedPermit" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="maxDurationOfPermit" type="tro:Duration" minOccurs="0" maxOccurs="1"/>
        <xs:element name="whereToCallForPermit" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="permitSubjectToFee" type="tro:PermitSubjectToFee" minOccurs="0"/>
        <xs:element name="_permitConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: PermitSubjectToFee

Super-types:	None
Sub-types:	None

Name	PermitSubjectToFee
Abstract	no
Documentation	Access permitted when fee is paid.

XML Instance Representation

```
<...>
  <tro:amountDue> tro:AmountOfMoney </tro:amountDue> [0..1] ?
  <tro:maximumAccessDuration> tro:Duration </tro:maximumAccessDuration> [0..1] ?
  <tro:minimumTimeToNextEntry> tro:Duration </tro:minimumTimeToNextEntry> [0..1] ?
  <tro:paymentInformation> com:Url </tro:paymentInformation> [0..1] ?
  <tro:_permitSubjectToFeeExtension> com:_ExtensionType </tro:_permitSubjectToFeeExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="PermitSubjectToFee">
  <xs:sequence>
    <xs:element name="amountDue" type="tro:AmountOfMoney" minOccurs="0" maxOccurs="1"/>
    <xs:element name="maximumAccessDuration" type="tro:Duration" minOccurs="0" maxOccurs="1"/>
    <xs:element name="minimumTimeToNextEntry" type="tro:Duration" minOccurs="0" maxOccurs="1"/>
    <xs:element name="paymentInformation" type="com:Url" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_permitSubjectToFeeExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: RoadCondition

Super-types:	Condition < RoadCondition (by extension)
Sub-types:	None

Name	RoadCondition
Abstract	no
Documentation	Specification of road types (e.g. motorway, express way, etc.).

XML Instance Representation

```
<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
</...>
```



```
<tro:roadType> tro: RoadTypeEnum </tro:roadType> [1] ?
<tro:_roadConditionExtension> com: _ExtensionType </tro:_roadConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="RoadCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="roadType" type="tro: RoadTypeEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="_roadConditionExtension" type="com: _ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **Speed**

Super-types: None
Sub-types: None

Name Speed
Abstract no
Documentation Class for the specification of a speed.

XML Instance Representation

```
<...>
  <tro:numericValue> com:Decimal </tro:numericValue> [1] ?
  <tro:unitOfMeasure> tro: _UnitOfSpeedEnum </tro:unitOfMeasure> [1] ?
  <tro:_speedExtension> com: _ExtensionType </tro:_speedExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Speed">
  <xs:sequence>
    <xs:element name="numericValue" type="com:Decimal" minOccurs="1" maxOccurs="1"/>
    <xs:element name="unitOfMeasure" type="tro: _UnitOfSpeedEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_speedExtension" type="com: _ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

[top](#)

Complex Type: **ValidityCondition**

Super-types: [Condition](#) < ValidityCondition (by extension)
Sub-types: None

Name ValidityCondition
Abstract no
Documentation Conditions for time validity of a traffic regulation.

XML Instance Representation

```
<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com: _ExtensionType </tro:_conditionExtension> [0..1]
  <tro:implementedValidity> com:Validity </tro:implementedValidity> [0..1] ?
  <tro:validityByOrder> com:Validity </tro:validityByOrder> [0..1] ?
  <tro:_validityConditionExtension> com: _ExtensionType </tro:_validityConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="ValidityCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="implementedValidity" type="com:Validity" minOccurs="0"/>
        <xs:element name="validityByOrder" type="com:Validity" minOccurs="0"/>
        <xs:element name="_validityConditionExtension" type="com: _ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)

Complex Type: **VehicleCondition**

Super-types: [Condition](#) < VehicleCondition (by extension)
Sub-types: None

Name VehicleCondition
Abstract no

XML Instance Representation

```
<...>
  <tro:negate> com:Boolean </tro:negate> [0..1] ?
  <tro:legalBasis> tro:LegalBasis </tro:legalBasis> [0..1] ?
  <tro:_conditionExtension> com:_ExtensionType </tro:_conditionExtension> [0..1]
  <tro:vehicleCharacteristics> com:VehicleCharacteristics </tro:vehicleCharacteristics> [1] ?
  <tro:_vehicleConditionExtension> com:_ExtensionType </tro:_vehicleConditionExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="VehicleCondition">
  <xs:complexContent>
    <xs:extension base="tro:Condition">
      <xs:sequence>
        <xs:element name="vehicleCharacteristics" type="com:VehicleCharacteristics"/>
        <xs:element name="_vehicleConditionExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

[top](#)Complex Type: **_AccessConditionTypeEnum**

Super-types: [xs:string](#) < [AccessConditionTypeEnum](#) (by restriction) < [_AccessConditionTypeEnum](#) (by extension)

Sub-types: None

Name [_AccessConditionTypeEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    tro:AccessConditionTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_AccessConditionTypeEnum">
  <xs:simpleContent>
    <xs:extension base="tro:AccessConditionTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)Complex Type: **_ConditionOperator**

Super-types: [xs:string](#) < [ConditionOperator](#) (by restriction) < [_ConditionOperator](#) (by extension)

Sub-types: None

Name [_ConditionOperator](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
    tro:ConditionOperator
</...>
```

Schema Component Representation

```
<xs:complexType name="_ConditionOperator">
  <xs:simpleContent>
    <xs:extension base="tro:ConditionOperator">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)Complex Type: **_DriverCharacteristicsTypeEnum**

Super-types: [xs:string](#) < [DriverCharacteristicsTypeEnum](#) (by restriction) < [_DriverCharacteristicsTypeEnum](#) (by extension)

Sub-types: None

Name [_DriverCharacteristicsTypeEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
```

```
tro:DriverCharacteristicsTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_DriverCharacteristicsTypeEnum">
  <xs:simpleContent>
    <xs:extension base="tro:DriverCharacteristicsTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: LicenseCharacteristicsEnum

Super-types: [xs:string](#) < [LicenseCharacteristicsEnum](#) (by restriction) < [_LicenseCharacteristicsEnum](#) (by extension)

Sub-types: None

Name [_LicenseCharacteristicsEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  tro:LicenseCharacteristicsEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_LicenseCharacteristicsEnum">
  <xs:simpleContent>
    <xs:extension base="tro:LicenseCharacteristicsEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: NonVehicularRoadUserTypeEnum

Super-types: [xs:string](#) < [NonVehicularRoadUserTypeEnum](#) (by restriction) < [_NonVehicularRoadUserTypeEnum](#) (by extension)

Sub-types: None

Name [_NonVehicularRoadUserTypeEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  tro:NonVehicularRoadUserTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_NonVehicularRoadUserTypeEnum">
  <xs:simpleContent>
    <xs:extension base="tro:NonVehicularRoadUserTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: RoadTypeEnum

Super-types: [xs:string](#) < [RoadTypeEnum](#) (by restriction) < [_RoadTypeEnum](#) (by extension)

Sub-types: None

Name [_RoadTypeEnum](#)

Abstract no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  tro:RoadTypeEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_RoadTypeEnum">
  <xs:simpleContent>
    <xs:extension base="tro:RoadTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Complex Type: **_UnitOfSpeedEnum**

Super-types: [xs:string](#) < [_UnitOfSpeedEnum](#) (by restriction) < [_UnitOfSpeedEnum](#) (by extension)
Sub-types: None

Name [_UnitOfSpeedEnum](#)
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    tro:UnitOfSpeedEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_UnitOfSpeedEnum">  
  <xs:simpleContent>  
    <xs:extension base="tro:UnitOfSpeedEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

Simple Type: **AccessConditionTypeEnum**

Super-types: [xs:string](#) < [AccessConditionTypeEnum](#) (by restriction)
Sub-types:

- [_AccessConditionTypeEnum](#) (by extension)

Name [AccessConditionTypeEnum](#)
Content

- Base XSD Type: string
- value comes from list:
{accessOnly|'destinationTraffic'|loadingAndUnloading|'passengerLoadingAndUnloading'|sourceAndDestinationTraffic|'sourceTraffic'|throughTraffic}

Documentation Access is only permitted under certain conditions.

Schema Component Representation

```
<xs:simpleType name="AccessConditionTypeEnum">  
  <xs:restriction base="xs:string">  
    <xs:enumeration value="accessOnly"/>  
    <xs:enumeration value="destinationTraffic"/>  
    <xs:enumeration value="loadingAndUnloading"/>  
    <xs:enumeration value="passengerLoadingAndUnloading"/>  
    <xs:enumeration value="sourceAndDestinationTraffic"/>  
    <xs:enumeration value="sourceTraffic"/>  
    <xs:enumeration value="throughTraffic"/>  
    <xs:enumeration value="_extended"/>  
  </xs:restriction>  
</xs:simpleType>
```

Simple Type: **AmountOfMoney**

Super-types: [com:Decimal](#) < [AmountOfMoney](#) (by restriction)
Sub-types: None

Name [AmountOfMoney](#)
Content

- 'Decimal' super type was not found in this schema. Its facets could not be printed out.
- total no. of digits = 8

Documentation A monetary value expressed to two decimal places.

Schema Component Representation

```
<xs:simpleType name="AmountOfMoney">  
  <xs:restriction base="com:Decimal">  
    <xs:totalDigits value="8"/>  
  </xs:restriction>  
</xs:simpleType>
```

Simple Type: **ConditionOperator**

Super-types: [xs:string](#) < [ConditionOperator](#) (by restriction)
Sub-types:

- [_ConditionOperator](#) (by extension)

Name [ConditionOperator](#)

Content

- Base XSD Type: string
- *value* comes from list: {'or'|'xor'|'and'|'_extended'}

Documentation

The logical operator to be used in a test of conditions.

Schema Component Representation

```
<xs:simpleType name="ConditionOperator">
  <xs:restriction base="xs:string">
    <xs:enumeration value="or"/>
    <xs:enumeration value="xor"/>
    <xs:enumeration value="and"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **DriverCharacteristicsTypeEnum**

Super-types: [xs:string](#) < **DriverCharacteristicsTypeEnum** (by restriction)

Sub-types:

- [_DriverCharacteristicsTypeEnum](#) (by extension)

Name DriverCharacteristicsTypeEnum

- Content
- Base XSD Type: string
 - *value* comes from list: {'disabledWithPermit'|'learnerdriver'|'localResident'|'_extended'}

Documentation

Types of driver characteristics.

Schema Component Representation

```
<xs:simpleType name="DriverCharacteristicsTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="disabledWithPermit"/>
    <xs:enumeration value="learnerdriver"/>
    <xs:enumeration value="localResident"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **Duration**

Super-types: [com:String](#) < **Duration** (by restriction)

Sub-types: None

Name Duration

- Content
- 'String' super type was not found in this schema. Its facets could not be printed out.

Documentation

DIN ISO 8601 duration value.

Schema Component Representation

```
<xs:simpleType name="Duration">
  <xs:restriction base="com:String"/>
</xs:simpleType>
```

[top](#)

Simple Type: **LicenseCharacteristicsEnum**

Super-types: [xs:string](#) < **LicenseCharacteristicsEnum** (by restriction)

Sub-types:

- [_LicenseCharacteristicsEnum](#) (by extension)

Name LicenseCharacteristicsEnum

- Content
- Base XSD Type: string
 - *value* comes from list: {'provisional'|'permanent'|'_extended'}

Documentation

Characteristics of the drivers license.

Schema Component Representation

```
<xs:simpleType name="LicenseCharacteristicsEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="provisional"/>
    <xs:enumeration value="permanent"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: **NonVehicularRoadUserTypeEnum**

Super-types: [xs:string](#) < **NonVehicularRoadUserTypeEnum** (by restriction)

Sub-types:

- [_NonVehicularRoadUserTypeEnum](#) (by extension)

Name NonVehicularRoadUserTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'cattleDrive'|'pedestrians'|'riddenOrAccompaniedHorses'|'_extended'}

Documentation Collection of non vehicular road user types.

Schema Component Representation

```
<xs:simpleType name="NonVehicularRoadUserTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="cattleDrive"/>
    <xs:enumeration value="pedestrians"/>
    <xs:enumeration value="riddenOrAccompaniedHorses"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: RoadTypeEnum

Super-types: [xs:string](#) < **RoadTypeEnum** (by restriction)

Sub-types:

- [_RoadTypeEnum](#) (by extension)

Name RoadTypeEnum

Content

- Base XSD Type: string
- *value* comes from list: {'motorway'|'expressRoad'|'insideBuiltUpAreas'|'outsideBuiltUpAreas'|'_extended'}

Documentation Collection of road types.

Schema Component Representation

```
<xs:simpleType name="RoadTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="motorway"/>
    <xs:enumeration value="expressRoad"/>
    <xs:enumeration value="insideBuiltUpAreas"/>
    <xs:enumeration value="outsideBuiltUpAreas"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: UnitOfSpeedEnum

Super-types: [xs:string](#) < **UnitOfSpeedEnum** (by restriction)

Sub-types:

- [_UnitOfSpeedEnum](#) (by extension)

Name UnitOfSpeedEnum

Content

- Base XSD Type: string
- *value* comes from list: {'kilometresPerHour'|'milesPerHour'|'_extended'}

Documentation Units of speed.

Schema Component Representation

```
<xs:simpleType name="UnitOfSpeedEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="kilometresPerHour"/>
    <xs:enumeration value="milesPerHour"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

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Schema Document Properties

Target Namespace	http://datex2.eu/schema/3/vms
Version	3.3
Element and Attribute Namespaces	• Global element and attribute declarations belong to this schema's target namespace. • By default, local element declarations belong to this schema's target namespace. • By default, local attribute declarations have no namespace.
Schema Composition	• This schema imports schema(s) from the following namespace(s): ◦ http://datex2.eu/schema/3/locationReferencing (at DATEXII_3_LocationReferencing.xsd) ◦ http://datex2.eu/schema/3/common (at DATEXII_3_Common.xsd)

Declared Namespaces

Prefix	Namespace
xml	http://www.w3.org/XML/1998/namespace
xs	http://www.w3.org/2001/XMLSchema
loc	http://datex2.eu/schema/3/locationReferencing
com	http://datex2.eu/schema/3/common
vms	http://datex2.eu/schema/3/vms

Schema Component Representation

```
<xs:schema elementFormDefault="qualified" attributeFormDefault="unqualified" version="3.3"
targetNamespace="http://datex2.eu/schema/3/vms">
  <xs:import namespace="http://datex2.eu/schema/3/locationReferencing"
    schemaLocation="DATEXII_3_LocationReferencing.xsd"/>
  <xs:import namespace="http://datex2.eu/schema/3/common" schemaLocation="DATEXII_3_Common.xsd"/>
  ...
</xs:schema>
```

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Global Definitions

Complex Type: CompositePictogram

Super-types:	Pictogram < CompositePictogram (by extension)
Sub-types:	None

Name	CompositePictogram
Abstract	no
Documentation	A composite pictogram representing a diagrammatic schema in association with an embedded regular sign.

XML Instance Representation

```
<...>
<vms:customPictogramCode> com:String </vms:customPictogramCode> [0..1] ?
<vms:additionalDescription> com:MultilingualString </vms:additionalDescription> [0..1] ?
<vms:pictogramFlashing> com:Boolean </vms:pictogramFlashing> [0..1] ?
<vms:pictogramInInverseColour> com:Boolean </vms:pictogramInInverseColour> [0..1] ?
<vms:viennaConventionCompliant> com:Boolean </vms:viennaConventionCompliant> [0..1] ?
<vms:pictogramInformationType> vms:InformationTypeEnum </vms:pictogramInformationType> [0..1] ?
<vms:gddStructure> vms:GddStructure </vms:gddStructure> [0..1]
<vms:pictogramExtension> com:ExtensionType </vms:pictogramExtension> [0..1]
<vms:pictogramDescription> vms:CompositePictogramEnum </vms:pictogramDescription> [1] ?
<vms:regularPictogram> vms:RegularPictogram </vms:regularPictogram> [1]
<vms:_compositePictogramExtension> com:ExtensionType </vms:_compositePictogramExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="CompositePictogram">
  <xs:complexContent>
    <xs:extension base="vms:Pictogram">
      <xs:sequence>
        <xs:element name="pictogramDescription" type="vms:CompositePictogramEnum" minOccurs="1" maxOccurs="1"/>
        <xs:element name="regularPictogram" type="vms:RegularPictogram"/>
        <xs:element name="_compositePictogramExtension" type="com:ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: DisplayAreaSettings

Super-types:None

Sub-types:

- MultiPageDisplay (by extension)
- PictogramDisplay (by extension)
- SupplementaryInformationDisplay (by extension)
 - SupplementaryPictogram (by extension)
 - SupplementaryText (by extension)
- TextDisplay (by extension)

Name	DisplayAreaSettings
Abstract	yes
Documentation	A display of pictograms or text on one area on a VMS.

XML Instance Representation

```
<...>
<vms:isBlank> com:Boolean </vms:isBlank> [0..1] ?
<vms:legallyBinding> com:Boolean </vms:legallyBinding> [0..1] ?
<vms:legalBasis> com:MultilingualString </vms:legalBasis> [0..1] ?
<vms:_displayAreaSettingsExtension> com:ExtensionType </vms:_displayAreaSettingsExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DisplayAreaSettings" abstract="true">
  <xs:sequence>
    <xs:element name="isBlank" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="legallyBinding" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="legalBasis" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="_displayAreaSettingsExtension" type="com:ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: DisplayedNumericalInformation

Super-types:None

Sub-types:None

Name	DisplayedNumericalInformation
Abstract	no
Documentation	Numerical information displayed on a sign

XML Instance Representation

```
<...>
<vms:numericalInformationType> vms:_DisplayedNumericalInformationTypeEnum </vms:numericalInformationType> [1] ?
<vms:numericValue> com:Decimal </vms:numericValue> [1] ?
<vms:unitOfMeasure> vms:_UnitOfMeasureEnum </vms:unitOfMeasure> [1] ?
<vms:_displayedNumericalInformationExtension> com:ExtensionType </vms:_displayedNumericalInformationExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="DisplayedNumericalInformation">
  <xs:sequence>
    <xs:element name="numericalInformationType" type="vms:_DisplayedNumericalInformationTypeEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="numericValue" type="com:Decimal" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```



```

<xs:element name="unitOfMeasure" type="vms:_UnitOfMeasureEnum" minOccurs="1" maxOccurs="1"/>
<xs:element name="_displayedNumericalInformationExtension" type="com:_ExtensionType" minOccurs="0"/>
</xs:sequence>
</xs:complexType>

```

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Complex Type: GddPictogramAttributes

Super-types: None
Sub-types: None

Name GddPictogramAttributes
Abstract no
Documentation ISO 14823 Graphic Data Dictionary attributes with textual or numeric data to supplement a pictogram identification.

XML Instance Representation

```

<...>
<vms:attributes> com:Base64Binary </vms:attributes> [1] ?
<vms:_gddPictogramAttributesExtension> com:_ExtensionType </vms:_gddPictogramAttributesExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="GddPictogramAttributes">
  <xs:sequence>
    <xs:element name="attributes" type="com:Base64Binary" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_gddPictogramAttributesExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

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Complex Type: GddPictogramIdentification

Super-types: None
Sub-types: None

Name GddPictogramIdentification
Abstract no
Documentation Group of codes that uniquely identifies a kind of pictogram, according to the ISO 14823 Graphic Data Dictionary

XML Instance Representation

```

<...>
<vms:country> com:CountryCode </vms:country> [1] ?
<vms:serviceCategory> vms:_GddServiceCategoryEnum </vms:serviceCategory> [1] ?
<vms:pictogramCategoryCode> vms:GddPictogramCategoryCode </vms:pictogramCategoryCode> [1] ?
<vms:_gddPictogramIdentificationExtension> com:_ExtensionType </vms:_gddPictogramIdentificationExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="GddPictogramIdentification">
  <xs:sequence>
    <xs:element name="country" type="com:CountryCode" minOccurs="1" maxOccurs="1"/>
    <xs:element name="serviceCategory" type="vms:_GddServiceCategoryEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="pictogramCategoryCode" type="vms:GddPictogramCategoryCode" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_gddPictogramIdentificationExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: GddStructure

Super-types: None
Sub-types: None

Name GddStructure
Abstract no
Documentation Graphic Data Dictionary structure, to identify a pictogram by code and optional supplementary attributes

XML Instance Representation

```

<...>
<vms:gddPictogramIdentification> vms:GddPictogramIdentification </vms:gddPictogramIdentification> [1]
<vms:gddPictogramAttributes> vms:GddPictogramAttributes </vms:gddPictogramAttributes> [0..1]
<vms:_gddStructureExtension> com:_ExtensionType </vms:_gddStructureExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="GddStructure">
  <xs:sequence>
    <xs:element name="gddPictogramIdentification" type="vms:GddPictogramIdentification"/>
    <xs:element name="gddPictogramAttributes" type="vms:GddPictogramAttributes" minOccurs="0"/>
    <xs:element name="_gddStructureExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

```
</xs:sequence>
</xs:complexType>
```

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Complex Type: Image

Super-types: None
Sub-types: None

Name Image
Abstract no
Documentation An image, with encoded data and identification of format

XML Instance Representation

```
<...>
  <vms:imageData> com:Base64Binary </vms:imageData> [1] ?
  <vms:imageFormat> vms:_ImageFormatEnum </vms:imageFormat> [1] ?
  <vms:_imageExtension> com:_ExtensionType </vms:_imageExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="Image">
  <xs:sequence>
    <xs:element name="imageData" type="com:Base64Binary" minOccurs="1" maxOccurs="1"/>
    <xs:element name="imageFormat" type="vms:_ImageFormatEnum" minOccurs="1" maxOccurs="1"/>
    <xs:element name="_imageExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

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Complex Type: MultiPageDisplay

Super-types: [DisplayAreaSettings](#) < MultiPageDisplay (by extension)
Sub-types: None

Name MultiPageDisplay
Abstract no
Documentation A display of multiple pages, sequentially displayed in order of their "pageNumber".

XML Instance Representation

```
<...>
  <vms:isBlank> com:Boolean </vms:isBlank> [0..1] ?
  <vms:legallyBinding> com:Boolean </vms:legallyBinding> [0..1] ?
  <vms:legalBasis> com:MultilingualString </vms:legalBasis> [0..1] ?
  <vms:_displayAreaSettingsExtension> com:_ExtensionType </vms:_displayAreaSettingsExtension> [0..1]
  <vms:sequenceGroupNumber> com:NonNegativeInteger </vms:sequenceGroupNumber> [0..1] ?
  <vms:displayAreaSettings> vms:_MultiPageDisplayPageNumberDisplayAreaSettings </vms:displayAreaSettings> [0..*]
  <vms:_multiPageDisplayExtension> com:_ExtensionType </vms:_multiPageDisplayExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="MultiPageDisplay">
  <xs:complexContent>
    <xs:extension base="vms:DisplayAreaSettings">
      <xs:sequence>
        <xs:element name="sequenceGroupNumber" type="com:NonNegativeInteger" minOccurs="0" maxOccurs="1"/>
        <xs:element name="displayAreaSettings" type="vms:_MultiPageDisplayPageNumberDisplayAreaSettings"
          minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_multiPageDisplayExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:complexContent>
  </xs:complexType>
```

[top](#)

Complex Type: Pictogram

Super-types: None
Sub-types:

- [CompositePictogram](#) (by extension)
- [RegularPictogram](#) (by extension)

Name Pictogram
Abstract yes
Documentation A main pictogram displayable on the VMS panel. Note a main pictogram may have an associated supplementary panel which may itself contain a further pictogram and line of text.

XML Instance Representation

```
<...>
  <vms:customPictogramCode> com:String </vms:customPictogramCode> [0..1] ?
  <vms:additionalDescription> com:MultilingualString </vms:additionalDescription> [0..1] ?
  <vms:pictogramFlashing> com:Boolean </vms:pictogramFlashing> [0..1] ?
  <vms:pictogramInInverseColour> com:Boolean </vms:pictogramInInverseColour> [0..1] ?
</...>
```

```

</vms:viennaConventionCompliant> com:Boolean </vms:viennaConventionCompliant> [0..1] ?
</vms:pictogramInformationType> vms:\_InformationTypeEnum </vms:pictogramInformationType> [0..1] ?
</vms:gddStructure> vms:GddStructure </vms:gddStructure> [0..1]
</vms:_pictogramExtension> com:\_ExtensionType </vms:_pictogramExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="Pictogram" abstract="true">
  <xs:sequence>
    <xs:element name="customPictogramCode" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="additionalDescription" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
    <xs:element name="pictogramFlashing" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="pictogramInInverseColour" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="viennaConventionCompliant" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="pictogramInformationType" type="vms:_InformationTypeEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="gddStructure" type="vms:GddStructure" minOccurs="0"/>
    <xs:element name="_pictogramExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

[top](#)

Complex Type: **PictogramDisplay**

Super-types: [DisplayAreaSettings](#) < **PictogramDisplay** (by extension)

Sub-types: None

Name	PictogramDisplay
Abstract	no
Documentation	A display of a pictogram on one area on a VMS, potentially with associated supplemental information or instructions.

XML Instance Representation

```

<...>
  <vms:isBlank> com:Boolean </vms:isBlank> [0..1] ?
  <vms:legallyBinding> com:Boolean </vms:legallyBinding> [0..1] ?
  <vms:legalBasis> com:MultilingualString </vms:legalBasis> [0..1] ?
  <vms:_displayAreaSettingsExtension> com:\_ExtensionType </vms:_displayAreaSettingsExtension> [0..1]
  <vms:isPrimaryPictogram> com:Boolean </vms:isPrimaryPictogram> [0..1] ?
  <vms:pictogramDisplayUrl> com:Url </vms:pictogramDisplayUrl> [0..1] ?
  <vms:pictogram> vms:Pictogram </vms:pictogram> [1]
  <vms:supplementaryInformationDisplay> vms:SupplementaryInformationDisplay </vms:supplementaryInformationDisplay> [0..1]
  <vms:image> vms:Image </vms:image> [0..1]
  <vms:_pictogramDisplayExtension> com:\_ExtensionType </vms:_pictogramDisplayExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="PictogramDisplay">
  <xs:complexContent>
    <xs:extension base="vms:DisplayAreaSettings">
      <xs:sequence>
        <xs:element name="isPrimaryPictogram" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="pictogramDisplayUrl" type="com:Url" minOccurs="0" maxOccurs="1"/>
        <xs:element name="pictogram" type="vms:Pictogram"/>
        <xs:element name="supplementaryInformationDisplay" type="vms:SupplementaryInformationDisplay" minOccurs="0"/>
        <xs:element name="image" type="vms:Image" minOccurs="0"/>
        <xs:element name="_pictogramDisplayExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: **RegularPictogram**

Super-types: [Pictogram](#) < **RegularPictogram** (by extension)

Sub-types: None

Name	RegularPictogram
Abstract	no
Documentation	A regular pictogram displayable on a VMS panel.

XML Instance Representation

```

<...>
  <vms:customPictogramCode> com:String </vms:customPictogramCode> [0..1] ?
  <vms:additionalDescription> com:MultilingualString </vms:additionalDescription> [0..1] ?
  <vms:pictogramFlashing> com:Boolean </vms:pictogramFlashing> [0..1] ?
  <vms:pictogramInInverseColour> com:Boolean </vms:pictogramInInverseColour> [0..1] ?
  <vms:viennaConventionCompliant> com:Boolean </vms:viennaConventionCompliant> [0..1] ?
  <vms:pictogramInformationType> vms:\_InformationTypeEnum </vms:pictogramInformationType> [0..1] ?
  <vms:gddStructure> vms:GddStructure </vms:gddStructure> [0..1]
  <vms:_pictogramExtension> com:\_ExtensionType </vms:_pictogramExtension> [0..1]
  <vms:pictogramDescription> vms:PictogramEnum </vms:pictogramDescription> [0..*] ?
  <vms:presenceOfRedTriangle> com:Boolean </vms:presenceOfRedTriangle> [0..1] ?
  <vms:displayedNumericalInformation> vms:DisplayedNumericalInformation </vms:displayedNumericalInformation> [0..2]
  <vms:_regularPictogramExtension> com:\_ExtensionType </vms:_regularPictogramExtension> [0..1]
</...>

```

Schema Component Representation

```
<xs:complexType name="RegularPictogram">
  <xs:complexContent>
    <xs:extension base="vms:Pictogram">
      <xs:sequence>
        <xs:element name="pictogramDescription" type="vms:_PictogramEnum" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="presenceOfRedTriangle" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="displayedNumericalInformation" type="vms:_DisplayedNumericalInformation" minOccurs="0" maxOccurs="2"/>
        <xs:element name="_regularPictogramExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: SupplementaryInformationDisplay

Super-types: [DisplayAreaSettings](#) < **SupplementaryInformationDisplay** (by extension)

Sub-types:

- [SupplementaryPictogram](#) (by extension)
- [SupplementaryText](#) (by extension)

Name	SupplementaryInformationDisplay
Abstract	yes
Documentation	A display of information or a regulatory instruction which is supplemental to the associated pictogram, comprising either an additional line of text or a pictogram or both.

XML Instance Representation

```
<...>
  <vms:isBlank> com:Boolean </vms:isBlank> [0..1] ?
  <vms:legallyBinding> com:Boolean </vms:legallyBinding> [0..1] ?
  <vms:legalBasis> com:MultilingualString </vms:legalBasis> [0..1] ?
  <vms:_displayAreaSettingsExtension> com:_ExtensionType </vms:_displayAreaSettingsExtension> [0..1]
  <vms:_supplementaryInformationDisplayExtension> com:_ExtensionType
</vms:_supplementaryInformationDisplayExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SupplementaryInformationDisplay" abstract="true">
  <xs:complexContent>
    <xs:extension base="vms:_DisplayAreaSettings">
      <xs:sequence>
        <xs:element name="_supplementaryInformationDisplayExtension" type="com:_ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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Complex Type: SupplementaryPictogram

Super-types: [DisplayAreaSettings](#) < [SupplementaryInformationDisplay](#) (by extension) < **SupplementaryPictogram** (by extension)

Sub-types: None

Name	SupplementaryPictogram
Abstract	no
Documentation	An additional pictogram that is displayed in the panel which is supplemental to the associated pictogram display.

XML Instance Representation

```
<...>
  <vms:isBlank> com:Boolean </vms:isBlank> [0..1] ?
  <vms:legallyBinding> com:Boolean </vms:legallyBinding> [0..1] ?
  <vms:legalBasis> com:MultilingualString </vms:legalBasis> [0..1] ?
  <vms:_displayAreaSettingsExtension> com:_ExtensionType </vms:_displayAreaSettingsExtension> [0..1]
  <vms:_supplementaryInformationDisplayExtension> com:_ExtensionType
</vms:_supplementaryInformationDisplayExtension> [0..1]
  <vms:pictogramDescription> vms:_SupplementalPictogramEnum </vms:pictogramDescription> [0..1] ?
  <vms:pictogramCode> com:String </vms:pictogramCode> [0..1] ?
  <vms:pictogramUrl> com:Url </vms:pictogramUrl> [0..1] ?
  <vms:additionalDescription> com:MultilingualString </vms:additionalDescription> [0..1] ?
  <vms:pictogramFlashing> com:Boolean </vms:pictogramFlashing> [0..1] ?
  <vms:pictogramInformationType> vms:_InformationTypeEnum </vms:pictogramInformationType> [0..1] ?
  <vms:_supplementaryPictogramExtension> com:_ExtensionType </vms:_supplementaryPictogramExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="SupplementaryPictogram">
  <xs:complexContent>
    <xs:extension base="vms:_SupplementaryInformationDisplay">
      <xs:sequence>
        <xs:element name="pictogramDescription" type="vms:_SupplementalPictogramEnum" minOccurs="0" maxOccurs="1"/>
        <xs:element name="pictogramCode" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="pictogramUrl" type="com:Url" minOccurs="0" maxOccurs="1"/>
        <xs:element name="additionalDescription" type="com:MultilingualString" minOccurs="0" maxOccurs="1"/>
        <xs:element name="pictogramFlashing" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="pictogramInformationType" type="vms:_InformationTypeEnum" minOccurs="0" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

```

        <xs:element name="_supplementaryPictogramExtension" type="com: _ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: SupplementaryText

Super-types: [DisplayAreaSettings](#) < [SupplementaryInformationDisplay](#) (by extension) < **SupplementaryText** (by extension)

Sub-types: None

Name SupplementaryText

Abstract no

Documentation Text used in a supplementary display associated with a pictogram

XML Instance Representation

```

<...>
  <vms:isBlank> com:Boolean </vms:isBlank> [0..1] ?
  <vms:legallyBinding> com:Boolean </vms:legallyBinding> [0..1] ?
  <vms:legalBasis> com:MultilingualString </vms:legalBasis> [0..1] ?
  <vms:displayAreaSettingsExtension> com: _ExtensionType </vms:displayAreaSettingsExtension> [0..1]
  <vms:_supplementaryInformationDisplayExtension> com: _ExtensionType
</vms:_supplementaryInformationDisplayExtension> [0..1]
  <vms:textLine> vms:TextLine </vms:textLine> [1] ?
  <vms:_supplementaryTextExtension> com: _ExtensionType </vms:_supplementaryTextExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="SupplementaryText">
  <xs:complexContent>
    <xs:extension base="vms:SupplementaryInformationDisplay">
      <xs:sequence>
        <xs:element name="textLine" type="vms:TextLine"/>
        <xs:element name="_supplementaryTextExtension" type="com: _ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: TextDisplay

Super-types: [DisplayAreaSettings](#) < **TextDisplay** (by extension)

Sub-types: None

Name TextDisplay

Abstract no

Documentation A page of text (comprising one or more ordered lines) that are displayed simultaneously on the VMS.

XML Instance Representation

```

<...>
  <vms:isBlank> com:Boolean </vms:isBlank> [0..1] ?
  <vms:legallyBinding> com:Boolean </vms:legallyBinding> [0..1] ?
  <vms:legalBasis> com:MultilingualString </vms:legalBasis> [0..1] ?
  <vms:displayAreaSettingsExtension> com: _ExtensionType </vms:displayAreaSettingsExtension> [0..1]
  <vms:textCode> com:String </vms:textCode> [0..1] ?
  <vms:textImageUrl> com:Url </vms:textImageUrl> [0..1] ?
  <vms:textLine> vms:TextDisplayLineIndexTextLine </vms:textLine> [0..*]
  <vms:_textDisplayExtension> com: _ExtensionType </vms:_textDisplayExtension> [0..1]
</...>

```

Schema Component Representation

```

<xs:complexType name="TextDisplay">
  <xs:complexContent>
    <xs:extension base="vms:DisplayAreaSettings">
      <xs:sequence>
        <xs:element name="textCode" type="com:String" minOccurs="0" maxOccurs="1"/>
        <xs:element name="textImageUrl" type="com:Url" minOccurs="0" maxOccurs="1"/>
        <xs:element name="textLine" type="vms:TextDisplayLineIndexTextLine" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="_textDisplayExtension" type="com: _ExtensionType" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

[top](#)

Complex Type: TextLine

Super-types: None

Sub-types: None

Name TextLine

Abstract no

Documentation

A single line of text displayed on a text display area or supplementary panel or corresponding to a displayed text. It may correspond to the entire text in the case that text segmentation in lines is not available.

XML Instance Representation

```
<...
  lineLanguage="com:Language [0..1] ?">
  <vms:textLine> com:String </vms:textLine> [1] ?
  <vms:lineColour> vms:_ColourEnum </vms:lineColour> [0..1] ?
  <vms:lineFlashing> com:Boolean </vms:lineFlashing> [0..1] ?
  <vms:lineHtml> com:String </vms:lineHtml> [0..1] ?
  <vms:isExactTextOnSign> com:Boolean </vms:isExactTextOnSign> [0..1] ?
  <vms:textInformationType> vms:_InformationTypeEnum </vms:textInformationType> [0..*] ?
  <vms:_textLineExtension> com:_ExtensionType </vms:_textLineExtension> [0..1]
</...>
```

Schema Component Representation

```
<xs:complexType name="TextLine">
  <xs:sequence>
    <xs:element name="textLine" type="com:String" minOccurs="1" maxOccurs="1"/>
    <xs:element name="lineColour" type="vms:_ColourEnum" minOccurs="0" maxOccurs="1"/>
    <xs:element name="lineFlashing" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="lineHtml" type="com:String" minOccurs="0" maxOccurs="1"/>
    <xs:element name="isExactTextOnSign" type="com:Boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="textInformationType" type="vms:_InformationTypeEnum" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="_textLineExtension" type="com:_ExtensionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="lineLanguage" type="com:Language" use="optional"/>
</xs:complexType>
```

[top](#)

Complex Type: ColourEnum

Super-types:

xs:string < [ColourEnum](#) (by restriction) < [_ColourEnum](#) (by extension)

Sub-types:None

Name

[_ColourEnum](#)

Abstract

no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  vms:ColourEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_ColourEnum">
  <xs:simpleContent>
    <xs:extension base="vms:ColourEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: CompositePictogramEnum

Super-types:

xs:string < [CompositePictogramEnum](#) (by restriction) < [_CompositePictogramEnum](#) (by extension)

Sub-types:None

Name

[_CompositePictogramEnum](#)

Abstract

no

XML Instance Representation

```
<...
  _extendedValue="xs:string [0..1]">
  vms:CompositePictogramEnum
</...>
```

Schema Component Representation

```
<xs:complexType name="_CompositePictogramEnum">
  <xs:simpleContent>
    <xs:extension base="vms:CompositePictogramEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

[top](#)

Complex Type: DisplayedNumericalInformationTypeEnum

Super-types:

xs:string < [DisplayedNumericalInformationTypeEnum](#) (by restriction) < [_DisplayedNumericalInformationTypeEnum](#) (by extension)

Sub-types:None

Name _DisplayedNumericalInformationTypeEnum
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    vms:DisplayedNumericalInformationTypeEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_DisplayedNumericalInformationTypeEnum">  
  <xs:simpleContent>  
    <xs:extension base="vms:DisplayedNumericalInformationTypeEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_GddServiceCategoryEnum**

Super-types: xs:string < [GddServiceCategoryEnum](#) (by restriction) < **_GddServiceCategoryEnum** (by extension)

Sub-types: None

Name _GddServiceCategoryEnum
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    vms:GddServiceCategoryEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_GddServiceCategoryEnum">  
  <xs:simpleContent>  
    <xs:extension base="vms:GddServiceCategoryEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_ImageFormatEnum**

Super-types: xs:string < [ImageFormatEnum](#) (by restriction) < **_ImageFormatEnum** (by extension)

Sub-types: None

Name _ImageFormatEnum
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    vms:ImageFormatEnum  
  </...>
```

Schema Component Representation

```
<xs:complexType name="_ImageFormatEnum">  
  <xs:simpleContent>  
    <xs:extension base="vms:ImageFormatEnum">  
      <xs:attribute name="_extendedValue" type="xs:string"/>  
    </xs:extension>  
  </xs:simpleContent>  
</xs:complexType>
```

[top](#)

Complex Type: **_InformationTypeEnum**

Super-types: xs:string < [InformationTypeEnum](#) (by restriction) < **_InformationTypeEnum** (by extension)

Sub-types: None

Name _InformationTypeEnum
Abstract no

XML Instance Representation

```
<...  
  _extendedValue="xs:string [0..1]">  
    vms:InformationTypeEnum  
  </...>
```

Schema Component Representation

```

<xs:complexType name="_InformationTypeEnum">
  <xs:simpleContent>
    <xs:extension base="vms:InformationTypeEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

[top](#)

Complex Type: **_MultiPageDisplayPageNumberDisplayAreaSettings**

Super-types: None
Sub-types: None

Name **_MultiPageDisplayPageNumberDisplayAreaSettings**
Abstract no

XML Instance Representation

```

<...
  pageNumber="xs:int [1]">
    <vms:displayAreaSettings> vms:DisplayAreaSettings </vms:displayAreaSettings> [1]
  </...>

```

Schema Component Representation

```

<xs:complexType name="_MultiPageDisplayPageNumberDisplayAreaSettings">
  <xs:sequence>
    <xs:element name="displayAreaSettings" type="vms:DisplayAreaSettings" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
  <xs:attribute name="pageNumber" type="xs:int" use="required"/>
</xs:complexType>

```

[top](#)

Complex Type: **_PictogramEnum**

Super-types: [xs:string](#) < [PictogramEnum](#) (by restriction) < **_PictogramEnum** (by extension)
Sub-types: None

Name **_PictogramEnum**
Abstract no

XML Instance Representation

```

<...
  _extendedValue="xs:string [0..1]">
    vms:PictogramEnum
  </...>

```

Schema Component Representation

```

<xs:complexType name="_PictogramEnum">
  <xs:simpleContent>
    <xs:extension base="vms:PictogramEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

[top](#)

Complex Type: **_SupplementalPictogramEnum**

Super-types: [xs:string](#) < [SupplementalPictogramEnum](#) (by restriction) < **_SupplementalPictogramEnum** (by extension)
Sub-types: None

Name **_SupplementalPictogramEnum**
Abstract no

XML Instance Representation

```

<...
  _extendedValue="xs:string [0..1]">
    vms:SupplementalPictogramEnum
  </...>

```

Schema Component Representation

```

<xs:complexType name="_SupplementalPictogramEnum">
  <xs:simpleContent>
    <xs:extension base="vms:SupplementalPictogramEnum">
      <xs:attribute name="_extendedValue" type="xs:string"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

[top](#)

Complex Type: **_TextDisplayLineIndexTextLine**

Super-types:	None
Sub-types:	None
Name	_TextDisplayLineIndexTextLine
Abstract	no
XML Instance Representation	
<pre><... lineIndex="<u>xs:int</u> [1]"> <<u>vms:textLine</u>> <u>vms:TextLine</u> </<u>vms:textLine</u>> [1] </...></pre>	
Schema Component Representation	
<pre><xs:complexType name="_TextDisplayLineIndexTextLine"> <xs:sequence> <xs:element name="textLine" type="<u>vms:TextLine</u>" minOccurs="1" maxOccurs="1"/> </xs:sequence> <xs:attribute name="lineIndex" type="<u>xs:int</u>" use="required"/> </xs:complexType></pre>	

[top](#)

Complex Type: **_UnitOfMeasureEnum**

Super-types:	xs:string < UnitOfMeasureEnum (by restriction) < _UnitOfMeasureEnum (by extension)
Sub-types:	None
Name	_UnitOfMeasureEnum
Abstract	no
XML Instance Representation	
<pre><... _extendedValue="<u>xs:string</u> [0..1]"> <u>vms:UnitOfMeasureEnum</u> </...></pre>	
Schema Component Representation	
<pre><xs:complexType name="_UnitOfMeasureEnum"> <xs:simpleContent> <xs:extension base="<u>vms:UnitOfMeasureEnum</u>"> <xs:attribute name="_extendedValue" type="<u>xs:string</u>" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>	

[top](#)

Simple Type: **ColourEnum**

Super-types:	xs:string < ColourEnum (by restriction)
Sub-types:	_ColourEnum (by extension)
Name	ColourEnum
Content	- Base XSD Type: string <i>value</i> comes from list: {'amber' 'blue' 'green' 'red' 'white' 'whiteYellow' '_extended'}
Documentation	Colours.
Schema Component Representation	
<pre><xs:simpleType name="ColourEnum"> <xs:restriction base="<u>xs:string</u>"> <xs:enumeration value="amber"/> <xs:enumeration value="blue"/> <xs:enumeration value="green"/> <xs:enumeration value="red"/> <xs:enumeration value="white"/> <xs:enumeration value="whiteYellow"/> <xs:enumeration value="_extended"/> </xs:restriction> </xs:simpleType></pre>	

[top](#)

Simple Type: **CompositePictogramEnum**

Super-types:	xs:string < CompositePictogramEnum (by restriction)
Sub-types:	_CompositePictogramEnum (by extension)

Name	CompositePictogramEnum
Content	Base XSD Type: string

- *value* comes from list:
{conditionOnCurrentSectionAfterNextExit'|conditionAtNextExit'|conditionOnCurrentSectionAfterSecondtExit'|conditionAtSecondExit'|restrictionOnC

Documentation Identifies a pictogram used only for building a composite pictogram

Schema Component Representation

```
<xs:simpleType name="CompositePictogramEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="conditionOnCurrentSectionAfterNextExit"/>
    <xs:enumeration value="conditionAtNextExit"/>
    <xs:enumeration value="conditionOnCurrentSectionAfterSecondtExit"/>
    <xs:enumeration value="conditionAtSecondExit"/>
    <xs:enumeration value="restrictionOnCurrentSectionAfterNextExit"/>
    <xs:enumeration value="restrictionAtNextExit"/>
    <xs:enumeration value="restrictionOnCurrentSectionAfterSecondExit"/>
    <xs:enumeration value="restrictionAtSecondtExit"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: DisplayedNumericalInformationTypeEnum

Super-types: [xs:string](#) < **DisplayedNumericalInformationTypeEnum** (by restriction)

Sub-types:

- [_DisplayedNumericalInformationTypeEnum](#) (by extension)

Name DisplayedNumericalInformationTypeEnum

Content

- Base XSD Type: string
- *value* comes from list:
{distance'|height'|length'|rateOfIncline'|sectionLength'|speed'|weight'|weightPerAxle'|width'|_extended'}

Documentation Type of numerical information displayed

Schema Component Representation

```
<xs:simpleType name="DisplayedNumericalInformationTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="distance"/>
    <xs:enumeration value="height"/>
    <xs:enumeration value="length"/>
    <xs:enumeration value="rateOfIncline"/>
    <xs:enumeration value="sectionLength"/>
    <xs:enumeration value="speed"/>
    <xs:enumeration value="weight"/>
    <xs:enumeration value="weightPerAxle"/>
    <xs:enumeration value="width"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: GddPictogramCategoryCode

Super-types: [xs:positiveInteger](#) < **GddPictogramCategoryCode** (by restriction)

Sub-types: None

Name GddPictogramCategoryCode

Content

- Base XSD Type: positiveInteger

Documentation A 3-digit code to identify a pictogram, as defined in ISO 14823 Graphic Data Dictionary. That standard is inconsistent in its definition of the value range; this model uses the more permissive definition where the bounds are 100 and 999.

Schema Component Representation

```
<xs:simpleType name="GddPictogramCategoryCode">
  <xs:restriction base="xs:positiveInteger"/>
</xs:simpleType>
```

[top](#)

Simple Type: GddServiceCategoryEnum

Super-types: [xs:string](#) < **GddServiceCategoryEnum** (by restriction)

Sub-types:

- [_GddServiceCategoryEnum](#) (by extension)

Name GddServiceCategoryEnum

Content

- Base XSD Type: string
- *value* comes from list:
{dangerWarning'|regulatory'|informative'|publicFacilities'|ambientConditions'|roadConditions'|_extended'}

Documentation Type of service offered by the pictogram, as defined in ISO 14823.

Schema Component Representation

```
<xs:simpleType name="GddServiceCategoryEnum">
```

```
<xs:restriction base="xs:string">
  <xs:enumeration value="dangerWarning"/>
  <xs:enumeration value="regulatory"/>
  <xs:enumeration value="informative"/>
  <xs:enumeration value="publicFacilities"/>
  <xs:enumeration value="ambientConditions"/>
  <xs:enumeration value="roadConditions"/>
  <xs:enumeration value="_extended"/>
</xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: `ImageFormatEnum`

Super-types: [xs:string](#) < **ImageFormatEnum** (by restriction)

- [ImageFormatEnum](#) (by extension)

Name	ImageFormatEnum
------	-----------------

- Base XSD Type: string
- *value* comes from list: {'bmp','gif','jpeg','png','tiff' extended}

Documentation	Identifies an image format
----------------------	----------------------------

Schema Component Representation

```
<xs:simpleType name="ImageFormatEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="bmp"/>
    <xs:enumeration value="gif"/>
    <xs:enumeration value="jpeg"/>
    <xs:enumeration value="png"/>
    <xs:enumeration value="tiff"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: InformationTypeEnum

Super-types: [xs:string](#) < **InformationTypeEnum** (by restriction)

- `InformationTypeEnum` (by extension)

Name	InformationTypeEnum
------	---------------------

Content

- Base XSD Type: string
- *value* comes from list:
{'situationInformation'|'warning'|'prohibition'|'obligation'|'destination'|'travelTime'|'delay'|'location'|'vehicleType'|'generalInformation'|'blank'|'other'|'... externalReferences'

Documentation Type of text characterisation.

Schema Component Representation

```
<xs:simpleType name="InformationTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="situationInformation"/>
    <xs:enumeration value="warning"/>
    <xs:enumeration value="prohibition"/>
    <xs:enumeration value="obligation"/>
    <xs:enumeration value="destination"/>
    <xs:enumeration value="travelTime"/>
    <xs:enumeration value="delay"/>
    <xs:enumeration value="location"/>
    <xs:enumeration value="vehicleType"/>
    <xs:enumeration value="generalInformation"/>
    <xs:enumeration value="blank"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```

[top](#)

Simple Type: PictogramEnum

Super-types: `xs:string` < **PictogramEnum** (by restriction)

Sub-types:

- [PictogramEnum](#) (by extension)

Name	PictogramEnum
------	---------------

Content

- Base XSD Type: string
- *value* comes from list:
{'blankVoid','bridgeClosed','carParkFull','carParkSpacesAvailable','corridorForEmergencyVehicleAccess','curveArrowToLeft','curveArrowToRight','dan...

Documentation Types of pictogram not currently covered by ISO 14823 Graphic Data Dictionary

Schema Component Representation

```

<xs:simpleType name="PictogramEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="blankVoid"/>
    <xs:enumeration value="bridgeClosed"/>
    <xs:enumeration value="carParkFull"/>
    <xs:enumeration value="carParkSpacesAvailable"/>
    <xs:enumeration value="corridorForEmergencyVehicleAccess"/>
    <xs:enumeration value="curveArrowToLeft"/>
    <xs:enumeration value="curveArrowToRight"/>
    <xs:enumeration value="dangerOfFire"/>
    <xs:enumeration value="doubleExitToLeft"/>
    <xs:enumeration value="doubleExitToRight"/>
    <xs:enumeration value="endOfAdvisorySpeed"/>
    <xs:enumeration value="fastenChildrensSeatBelts"/>
    <xs:enumeration value="fastenYourSeatBelt"/>
    <xs:enumeration value="fire"/>
    <xs:enumeration value="footballMatch"/>
    <xs:enumeration value="hardShoulderNotRunning"/>
    <xs:enumeration value="hardShoulderRunning"/>
    <xs:enumeration value="horizontalDiversionToLeft"/>
    <xs:enumeration value="horizontalDiversionToRight"/>
    <xs:enumeration value="keepASafeDistance"/>
    <xs:enumeration value="keepLeft"/>
    <xs:enumeration value="keepRight"/>
    <xs:enumeration value="lane1ClosedOf2"/>
    <xs:enumeration value="lane2ClosedOf2"/>
    <xs:enumeration value="lane1ClosedOf3"/>
    <xs:enumeration value="lane3ClosedOf3"/>
    <xs:enumeration value="lanes1And2ClosedOf3"/>
    <xs:enumeration value="lanes2And3ClosedOf3"/>
    <xs:enumeration value="lane1ClosedOf4"/>
    <xs:enumeration value="lane4ClosedOf4"/>
    <xs:enumeration value="lanes1And2ClosedOf4"/>
    <xs:enumeration value="lanes3And4ClosedOf4"/>
    <xs:enumeration value="lanes1And2And3ClosedOf4"/>
    <xs:enumeration value="lanes2And3And4ClosedOf4"/>
    <xs:enumeration value="leftHandLaneClosed"/>
    <xs:enumeration value="narrowLanesAhead"/>
    <xs:enumeration value="obliqueArrowToLeft"/>
    <xs:enumeration value="obliqueArrowToRight"/>
    <xs:enumeration value="pollutionOrSmogAlert"/>
    <xs:enumeration value="rightHandLaneClosed"/>
    <xs:enumeration value="singleExitToLeft"/>
    <xs:enumeration value="singleExitToRight"/>
    <xs:enumeration value="smoke"/>
    <xs:enumeration value="snowPloughInAction"/>
    <xs:enumeration value="speedCamerasInAction"/>
    <xs:enumeration value="straightVerticalArrow"/>
    <xs:enumeration value="trafficDeviatedToOppositeCarriagewayAhead"/>
    <xs:enumeration value="trafficPartiallyDeviatedToOppositeCarriagewayAhead"/>
    <xs:enumeration value="tunnelClosed"/>
    <xs:enumeration value="verticalDiversion"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>

```

[top](#)

Simple Type: SupplementalPictogramEnum

Super-types: [xs:string](#) < **SupplementalPictogramEnum** (by restriction)

Sub-types:

- [_SupplementalPictogramEnum](#) (by extension)

Name SupplementalPictogramEnum

Content

- Base XSD Type: string
- *value* comes from list:
{'distanceToTheBeginningOfTheApplicationZone','exceptAnyPowerDrivenVehicleDrawingTrailer','exceptBus','exceptGoodsVehicles','exceptSemitraile

Documentation Types of pictograms displayable in supplementary panels (normally below the main pictogram display which it qualifies).

Schema Component Representation

```

<xs:simpleType name="SupplementalPictogramEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="distanceToTheBeginningOfTheApplicationZone"/>
    <xs:enumeration value="exceptAnyPowerDrivenVehicleDrawingTrailer"/>
    <xs:enumeration value="exceptBus"/>
    <xs:enumeration value="exceptGoodsVehicles"/>
    <xs:enumeration value="exceptSemitrailer"/>
    <xs:enumeration value="exceptVehiclesCarryingDangerousGoods"/>
    <xs:enumeration value="inCaseOfIceOrSnow"/>
    <xs:enumeration value="lengthOfTheApplicationZone"/>
    <xs:enumeration value="restrictedToAnyPowerDrivenVehicleDrawingTrailer"/>
    <xs:enumeration value="restrictedToBus"/>
    <xs:enumeration value="restrictedToGoodsVehicles"/>
    <xs:enumeration value="restrictedToSemiTrailer"/>
    <xs:enumeration value="restrictedToVehiclesCarryingDangerousGoods"/>
    <xs:enumeration value="maintenanceVehicles"/>
    <xs:enumeration value="snowPloughs"/>
    <xs:enumeration value="other"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>

```

[top](#)

Simple Type: **UnitOfMeasureEnum**

Super-types:	xs:string < UnitOfMeasureEnum (by restriction)
Sub-types:	• _UnitOfMeasureEnum (by extension)

Name	UnitOfMeasureEnum
Content	• Base XSD Type: string • <i>value</i> comes from list: {'feet' 'feetAndInches' 'kilometres' 'kilometresPerHour' 'metres' 'miles' 'milesPerHour' 'percentage' 'tonnes' 'yards' '_extended'}
Documentation	Identifies a unit of measure for a physical quantity

Schema Component Representation

```
<xs:simpleType name="UnitOfMeasureEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="feet"/>
    <xs:enumeration value="feetAndInches"/>
    <xs:enumeration value="kilometres"/>
    <xs:enumeration value="kilometresPerHour"/>
    <xs:enumeration value="metres"/>
    <xs:enumeration value="miles"/>
    <xs:enumeration value="milesPerHour"/>
    <xs:enumeration value="percentage"/>
    <xs:enumeration value="tonnes"/>
    <xs:enumeration value="yards"/>
    <xs:enumeration value="_extended"/>
  </xs:restriction>
</xs:simpleType>
```