

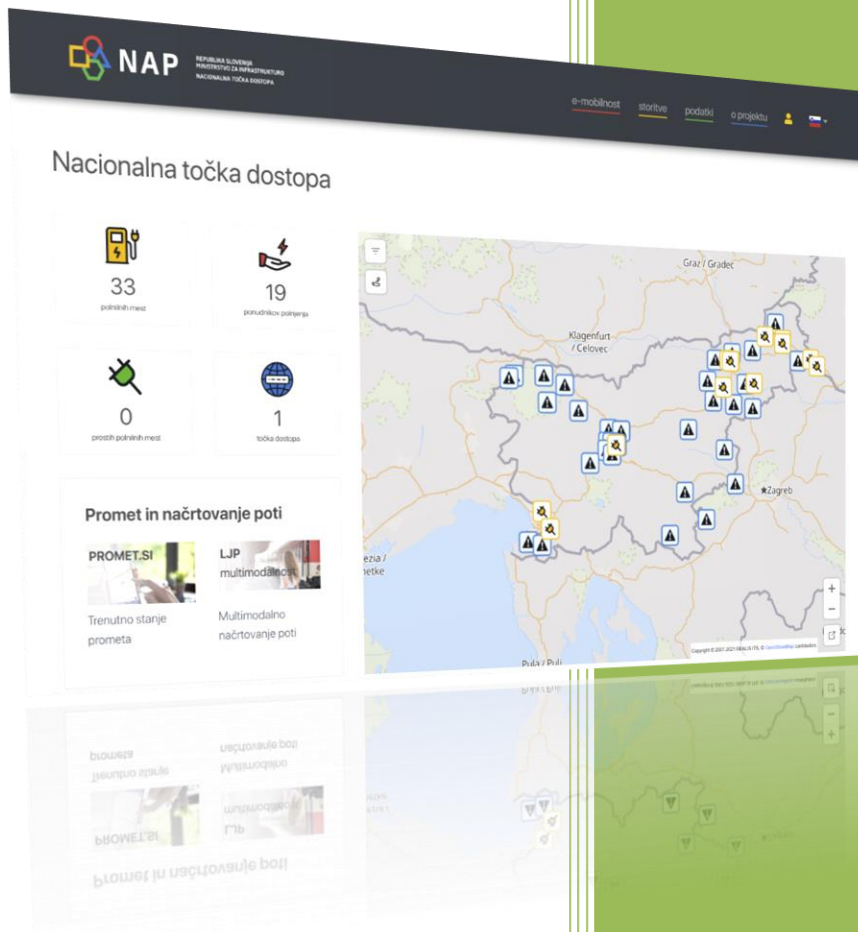


# NAP

National access point

verzija: 25.08.2023

## B2B SIRI API



## Introduction

Document describes API for retrieval of dynamic public transport data in SIRI format (SIST-TS CEN/TS EN 15531).

API supports HTTP authentication using basic and bearer authentication schemes.

Information regarding login and access token retrieval are available on [NAP](#).

API URL is `https://b2b.nap.si/data/b2b.siri.api`.

API response contains references to timetables and network information in NeTEx format, which is also available on NAP.

## Retrieval of all vehicle location data

POST `/data/b2b.siri.api/ServiceRequest` HTTP/1.1

Host: `b2b.ncup.si`

Authorization: `bearer ey...Nw`

Content-Type: `application/xml`

Content-Length: `423`

```
<?xml version="1.0" encoding="utf-8"?>
<ServiceRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://www.siri.org.uk/siri">
  <RequestTimestamp>2023-01-01T00:00:00.0000000+02:00</RequestTimestamp>
  <VehicleMonitoringRequest>
    <RequestTimestamp>2023-01-01T00:00:00.0000000+02:00</RequestTimestamp>
  </VehicleMonitoringRequest>
</ServiceRequest>
```

Response sample (shortened):

```
<ServiceDelivery xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://www.siri.org.uk/siri">
  <ResponseTimestamp>2023-01-01T00:00:00.0000000+02:00</ResponseTimestamp>
  <VehicleMonitoringDelivery>
    <ResponseTimestamp>2023-01-01T00:00:00.0000000+02:00</ResponseTimestamp>
    <VehicleActivity>
      <RecordedAtTime>2023-01-01T00:00:0</RecordedAtTime>
      <ValidUntilTime>2023-01-01T00:10:0</ValidUntilTime>
      <MonitoredVehicleJourney>
        <LineRef>SI:SI0:Line:00000000-1177-0007-0000-00000000c1f7:IJPP</LineRef>
        <JourneyPatternRef>SI:SI0:ServiceJourneyPattern:00000000-1177-0008-0000-0000000049908:IJPP</JourneyPatternRef>
        <JourneyPatternName>G.Radgona(47) 1 552</JourneyPatternName>
      </MonitoredVehicleJourney>
    </VehicleActivity>
  </VehicleMonitoringDelivery>
</ServiceDelivery>
```

```

        <RouteRef>SI:SI0:Route:00000000-1177-0008-0000-00000004
9908:IJPP</RouteRef>
        <PublishedLineName>Maribor AP - G.Radgona (1062)</Publi
shedLineName>
        <OperatorRef>SI:SI0:Operator:00000000-1177-0001-0000-00
000000463:IJPP</OperatorRef>
        <VehicleJourneyName>G.Radgona(47) 1 552</VehicleJourney
Name>
        <Monitored>>true</Monitored>
        <VehicleLocation>
            <Longitude>15.762643</Longitude>
            <Latitude>46.682308</Latitude>
        </VehicleLocation>
        <Bearing>154</Bearing>
        <VehicleJourneyRef>SI:SI0:ServiceJourney:00000000-1177-
0008-0000-000000049908:IJPP</VehicleJourneyRef>
        <VehicleRef>950133</VehicleRef>
        <JourneyParts>
            <JourneyPartInfo>
                <JourneyPartRef>SI:SI0:ServiceLink:00000000-117
7-0003-0011-cb3b001133c5:IJPP</JourneyPartRef>
            </JourneyPartInfo>
            <JourneyPartInfo>
                <JourneyPartRef>SI:SI0:ServiceLink:00000000-117
7-0003-0011-cb050011cb3b:IJPP</JourneyPartRef>
            </JourneyPartInfo>
        </JourneyParts>
    </MonitoredVehicleJourney>
</VehicleActivity>
</VehicleMonitoringDelivery>
</ServiceDelivery>

```

## Retrieval of all vehicle location data per line id

HTTP request body:

```

<?xml version="1.0" encoding="utf-8"?>
<ServiceRequest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" x
mlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://www.siri.org.
uk/siri">
    <RequestTimestamp>2023-01-01T00:00:00.0000000+02:00</RequestTimestamp
>
    <VehicleMonitoringRequest>
        <RequestTimestamp>2023-01-01T00:00:00.0000000+02:00</RequestTimesta
mp>
        <LineRef>SI:SI0:Line:00000000-1177-0007-0000-00000000b32c:IJPP</Lin
eRef>
    </VehicleMonitoringRequest>
</ServiceRequest>

```