



Väylävirasto
Trafikledsverket

*Finnish Transport Infrastructure Agency
Publications January 2022*

Digiroad

Covering letter 1/2022, REVISED PUBLICATION



Picture: Digiroad
E-publication(pdf) (www.vayla.fi/digiroad)

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Digiroad Data Publication 1/2022

The Digiroad Publication 1/2022 includes road link geometry obtained from the National Land Survey on 19.01.2022.

- **1/2022 revealed a large number of missing road links, which is why it has been made this corrected publication at the end of January. At the same time, the road links are three weeks newer**
- The Road Network includes the Vt 4 Kirri- Tikkakoski construction project, which was put into service in December.
- For the road network, the data types correspond to the situation in July 2021 for the following data types: mass, height and width restrictions, lit road, paved road, width and pedestrian crossing.
- For the street network, the data types correspond to the situation in December 2021

Published data objects

The Digiroad publication 1/2022 includes the following data objects

- Vehicle-specific restriction
- barrier structure
- European road number
- treatment class
- public transport lane
- public transport stop
- cirrhosis
- turn restriction
- Width
- traffic sign
- traffic volume
- traffic light
- subscription number
- speed limit
- information board
- parking ban
- paved road
- level crossing
- protective road
- Maximum allowed restrictions
- winter speed limit
- road link
- road work
- Transport of Dangerous Goods (VAK) restriction
- illuminated roads
- Service
 - Culvert
 - Bus station

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- Customs
- Frontier crossing
- Rest area
- Airport
- Ferry terminal
- Taxistand
- Railway station
- Parking area
- Car shipping terminal
- Coach or lorry parking
- Parking building

Data Structure

The datasets are delivered in zip-files including:

- All data, excluding public transport bus stops, are divided according to the extraction areas in Esri shape files.
- Public transport bus stops, covering the whole area of Finland in a single Esri shape file.
- Data in GeoPackage format.

The coordinate system is ETRS-TM35FIN (EPSG: 3067).

All the directions of digitizing in the road links have been unified according to the cardinal directions. The starting point of a road link is always the southern end point of the link. However, the starting point of a link in the fully East-West direction is the western endpoint. Due to the unification of the directions of digitizing, the first house number on the right and left side may be larger than the final house number on the right and left side.

Furthermore, changes in speed limits and maximum allowed restrictions are available via TN-ITS API. More information on TN-ITS is available at the Digiroad website.

This publication does not include separate quality reports.

Road Link Data

The geometry is obtained from the National Land Survey of Finland with a time stamp of December 30th 2021.

The link ID (LINK_ID) by the Finnish Transport Infrastructure Agency will be used as a unique road link ID. The MML-ID will continue to be published as part of the attribute data of the road links.

The Road link is the linear reference for dynamic segmentation.

The road links include the following attribute data:

- Data source
- Functional class
- Direction of traffic flow
- Road link type
- Administrative class
- Bridge, Underpass or Tunnel
- Location and elevation precision
- Start/End M value
- Road name in Finnish
- Road name in Swedish
- Road name in Sami
- First and last house number on right and left
- Municipal number
- Road number and a number of the part of a road (based on road address network by FTIA)
- Carriageway number (based on road address network by FTIA)
- Start and end distance from the beginning of the road part (based on road address network by FTIA)
- Link ID
- MML-ID
- Last modified timestamp
- Direction of digitization in relation to the data provided by the National Land Survey
- Link status

Road classification from the Topographic database (slightly different from Digiroad's own classification in which some of the Topographic database classes have been combined).

Tracks (by the National Land Survey) is included in the new geometry. The functional class of the track and the road link type are both marked as "track" (= "polku" in Finnish).

Digiroad R ja Digiroad K

The differences between various data types are described in the Description of Data Objects document chapter 3.3. Description of Data Objects document is attached in the data publication.

Next publication

The estimated timetable for the next Digiroad publication is February 2022

Questions? We are happy to help!

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