PR04 - Progress in TN-ITS spatial data exchange
Tom Jensen – TomTom Maps

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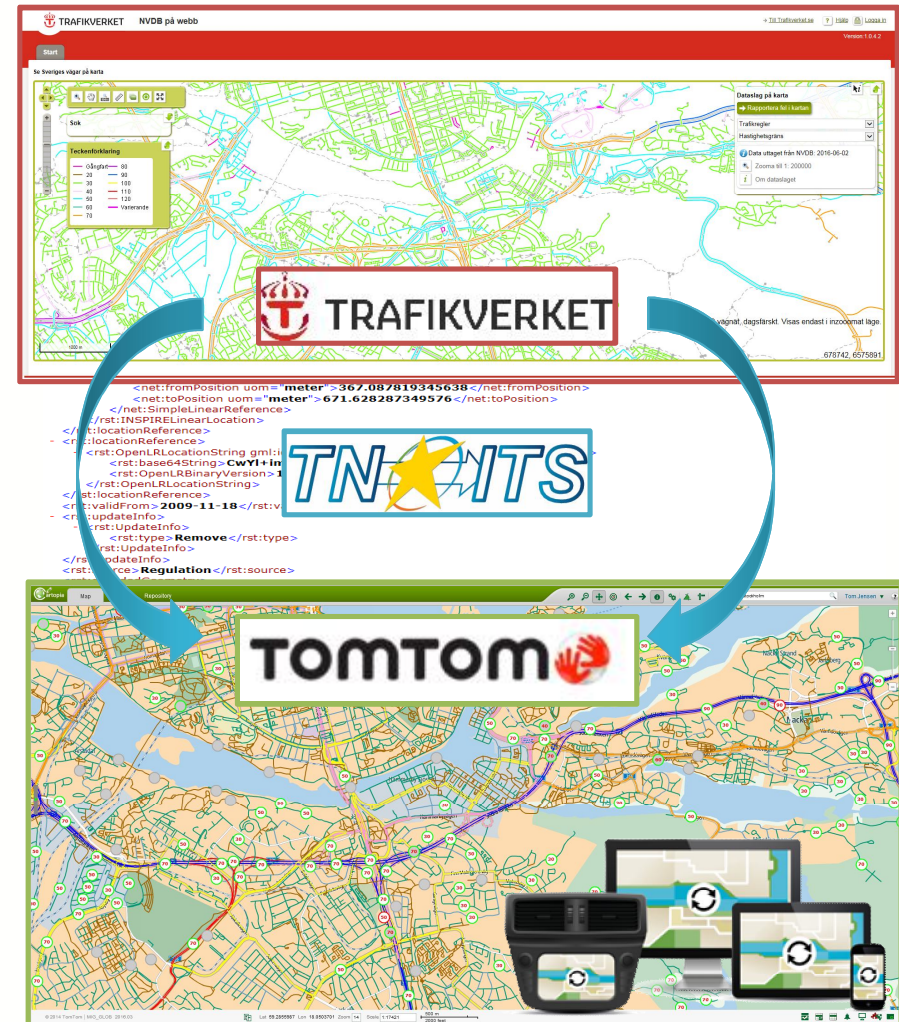Supported by: Visit Scotland | SECC SCOTTISH EXHIBITION + CONFERENCE CENTRE GLASGOW | ITS United Kingdom | PEOPLE MAKE GLASGOW

PR04 - Progress in TN-ITS spatial data exchange

- **European Union Location Framework – Transportation Pilot**
- **EU ITS Platform (EU EIP) project – Co-financed by the European Union**

- **Seamless datachain from Trafikverket Map to TomTom Map since 2013**

- **Daily XML Datafeeds**

- Standardisation: TN-ITS and INSPIRE specification
- Data topics: Speed limit, Vehicle restriction, Road Name, Road Number, Maximum Height, Warning Sign
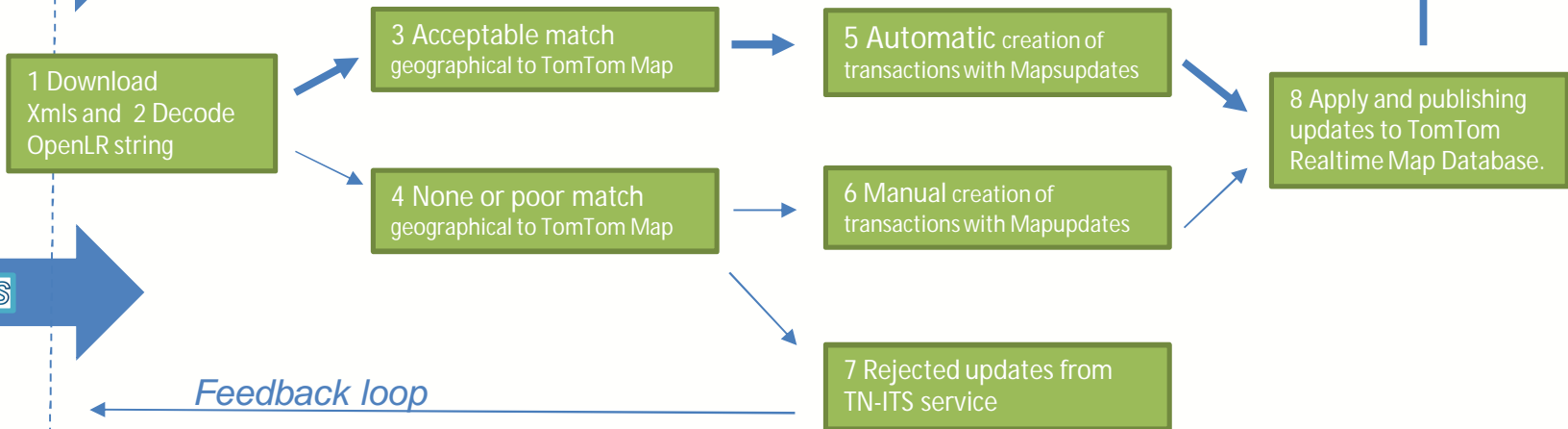
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Production steps to implement TN-ITS Map updates

TRAFIKVERKET

TN-ITS

DOWNLOAD -> DECODE -> UPDATE->PUBLISH

Statens vegvesen

TN-ITS

1 Download Xmls and **2 Decode** OpenLR string	**3 Acceptable match** geographical to TomTom Map	**5 Automatic** creation of transactions with Mapsupdates
	4 None or poor match geographical to TomTom Map	**6 Manual** creation of transactions with Mapupdates

8 Apply and publishing updates to TomTom Realtime Map Database.

7 Rejected updates from TN-ITS service

Feedback loop

Example - Changes of speed-limit from 50 km/h to 40 km/h

Regulation source used for NVDB update May 26th:

TN-ITS data on TomTom Map:

TomTom
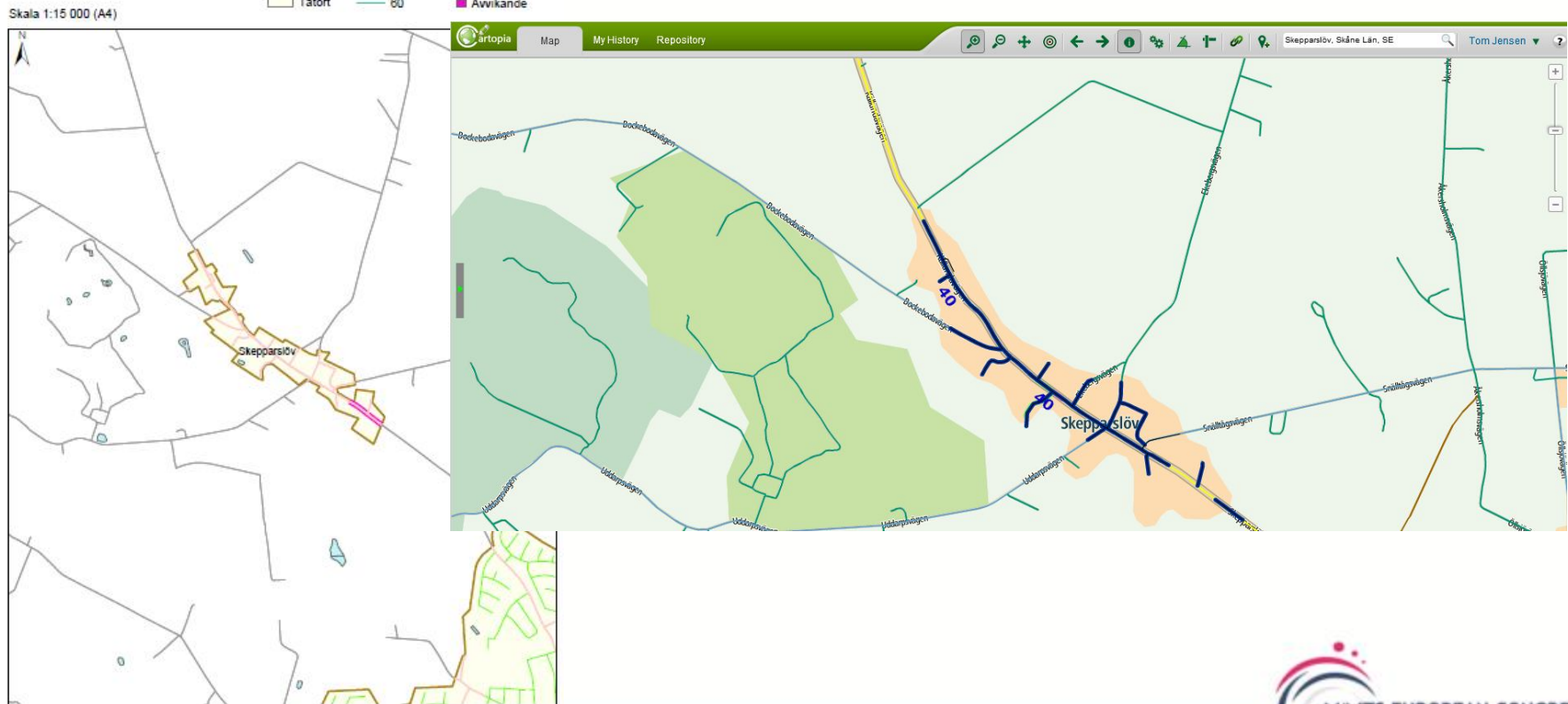
More than 100.000 updates in 2015

More to come….

Quote Trafikverket report:
…systematic adjustment of the speed limits of the road traffic safety standards. It contains proposals for action and includes the current plan period 2014-2025

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- Enables immediate updates from authorities to end-user devices.
  Major timelines reduction = Move from quarterly to daily updates

- Better relationships with Public Roads Administration

- Proven technology standard - operational since 2013

- Opportunity of increasing Safety features coverage to <u>all roads</u>
  (today mostly regional speed-limit coverage)

- Higher quality – based on knowledge from Swedish service:
  "*whole Swedish network have since 2013,*
  before the implementation of the TN-ITS specifications,
  and from 2015, after such an implementation,
  significant reduced error rates from 25% to 7%"
  (*based on quality test by field driving with competing navigation systems*)

Thanks!