



NordicWay Cellular C-ITS Corridor

Risto Kulmala, Finnish Transport Agency



Co-financed by the European Union
Connecting Europe Facility

NordicWay for traffic safety – Cellular C-ITS corridor



NordicWay
includes

1

C-ITS corridor

4

countries:

Denmark, Finland,
Norway and
Sweden

2,000

users on Nordic
roads

NordicWay pilots

3

core Safety Related
Traffic Information
(SRTI) services:

1. cooperative
hazardous location
warning
2. cooperative
weather and
slippery road
warning
3. probe data
services

+ additional national
services

NordicWay demonstrates the concept of

Cellular C-ITS

service utilising

3G and 4G/LTE

communication

NordicWay offers road users

safety and interoperable

services and builds a business model and an

ecosystem

for the data value chain and stakeholders



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Involved organisations



- Finland (Coordination)
 - Ministry of Transport and Communications
 - Finnish Transport Agency and Transport Safety Agency Trafi
 - HERE (+ Infotripla)
 - VTT Technical Research Centre of Finland



- Sweden (Interoperability)
 - Swedish Transport Administration
 - Ericsson, Volvo Cars, Scania, Kapsch



- Norwegian Public Roads Administration (Evaluation): Volvo Cars



Statens vegvesen



- Danish Road Directorate (Communication and Dissemination)



SCANIA

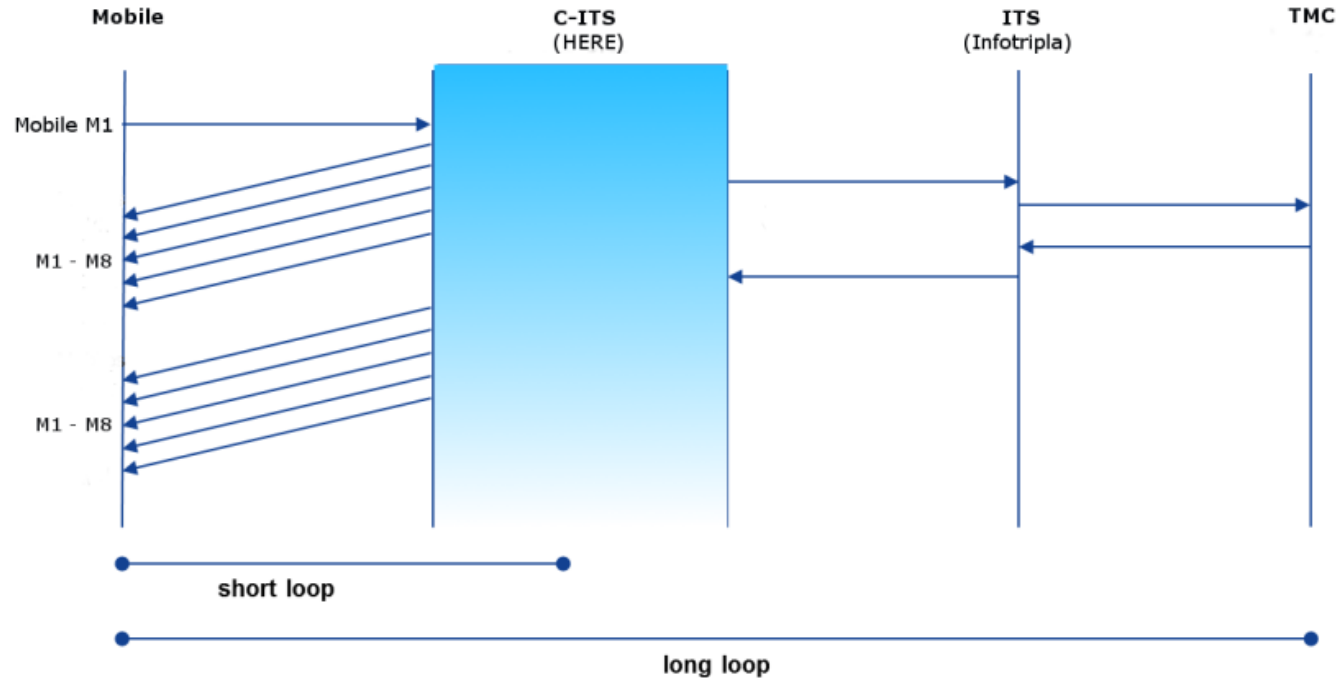


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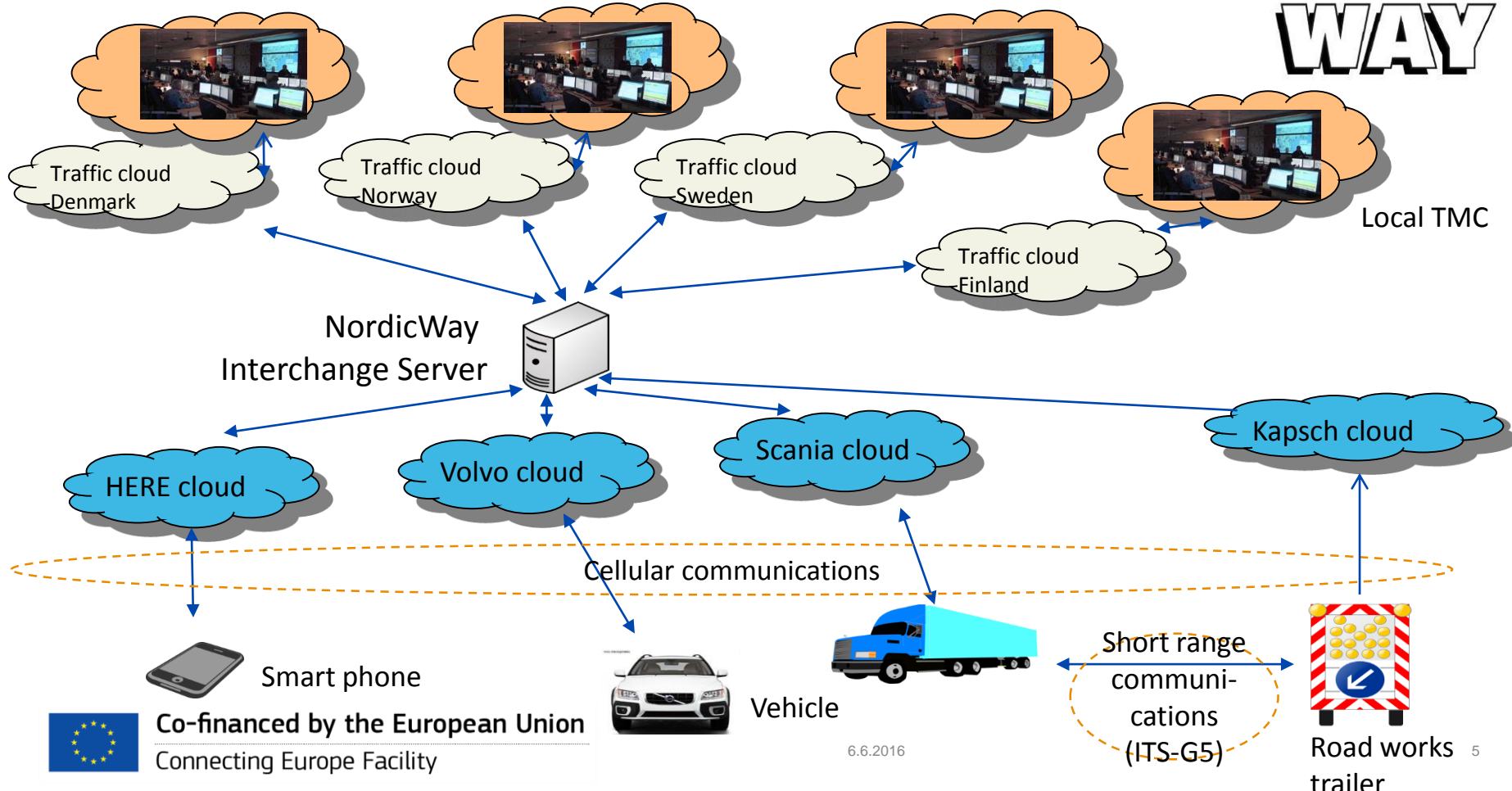
Vejdirektoratet



SRTI messages short and long loop first technical testing in cellular network



NordicWay architecture



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Key aspects

- Cellular communication and network are already in place – enables service scalability in Nordic countries – starting from Day 1 services (EU 886/2013)
- Latency for messaging – sufficient for safety-related warnings (SRTI)
- Architecture and security – cloud solution
- Interoperability – interchange node
 - very low impact on latency
- Evaluations
 - Technical
 - Impacts, costs, benefits
 - Business models, ecosystem
- Public-Private-People partnership – building and learning from ecosystem



Contact



NordicWay coordinator

Dr. Risto Kulmala,
Finnish Transport Agency,
risto.kulmala(at)fta.fi

Technical Coordinator

Johan Scholliers, VTT
Johan.scholliers(at)vtt.fi



Finland, Coop pilot

Mr. Ilkka Kotilainen
ilkka.kotilainen(at)fta.fi



Norway

Ane Dalsnes Storsæter
ane.storsater(at)vegvesen.no



Sweden

Johnny Svedlund
johnny.svedlund(at)trafikverket.se



Denmark

Anders Bak Sørensen
abas(at)vd.dk



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