

DATEX II 4 dummies

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DATEX II 4 dummies

- E- language for traffic and travel information to exchange language and presentation method independent
- Origin exchange between TCC – TCC/TIC and TIC-SP
- Integrating the urban dimension
- Like a natural language: grammar and dictionary
- Maintained by stakeholder community
- Stable parts are standardised
- Local additions are facilitated

DATEX II

What does DATEX II do?

- It is like communication via a letter:



DATEX II

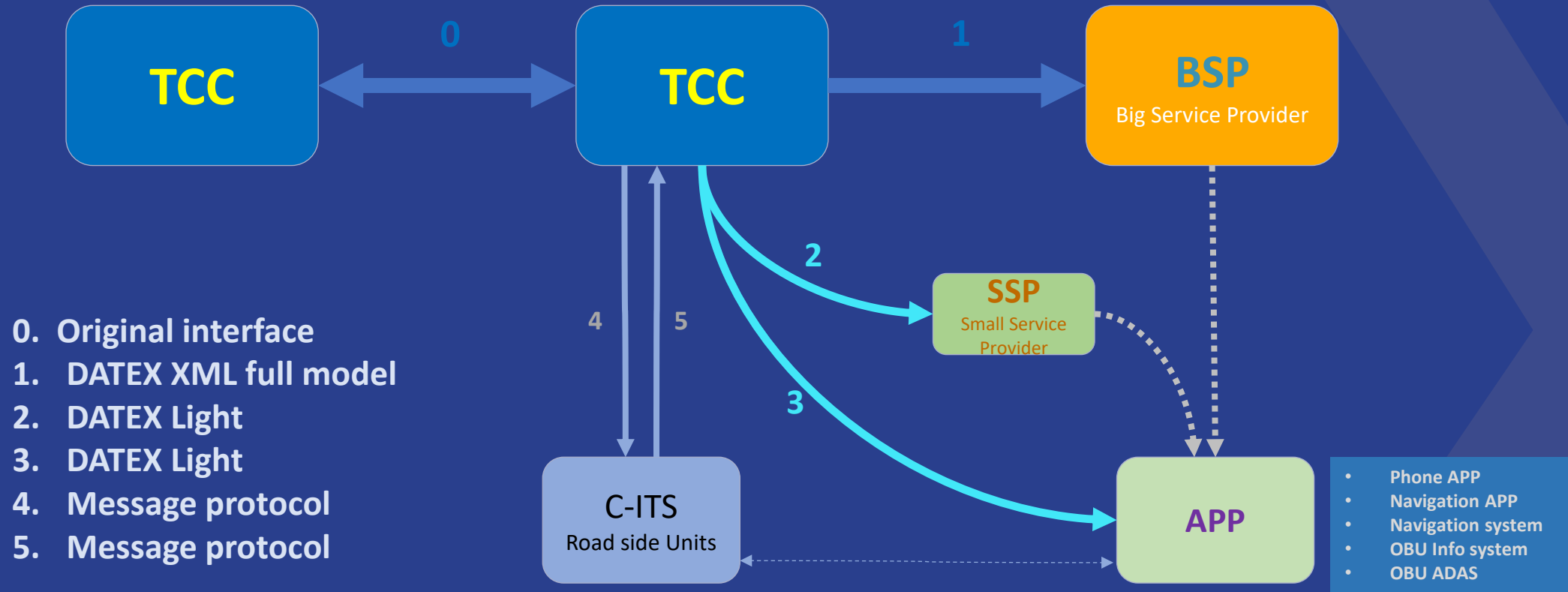
What is DATEX II in this perspective?

- DATEX II = language and paper
- DATEX II profile = predefined form for specific purpose
- DATEX II Light = simpler phrasebook
- Postal system: uses standard IT
 - Two envelope types are developed (XML; json)
 - One transport type is defined in two flavours
 - Pull (webservices and simple http)
 - Push
- Content is independent from postal system
- If required other delivery methods can be developed



DATEX II

DATEX II Positioning



DATEX II

The content part of DATEX II

- Traffic situations
 - Accidents, incidents and other traffic disturbances
 - Bad weather situations
 - Traffic management measures
 - Roadworks and big events
 - Congestion information
- Traffic status
 - Weather data (rain, snow, wind, dust etc.)
 - Traffic flow, Traveltimes
 - Detector data per second or per vehicle
 - Details like cars involved in accidents and characteristics of injured
- Traffic related services
 - VMS settings
 - Parking information
- Work in progress
 - Refueling and recharging infrastructure and actual status
 - Traffic Management measures (METR and UVAR under way)
 - Urban specific information (traffilightsettings etc.)

DATEX II

What do you have to do?

Step by step approach

- Start with defining your information service in functional terms:
 - With **who** are you going to exchange
 - What **road network**
 - What **information**
 - Do **you** really **collect** the information?
 - **Digitalized** roadnetwork available (sustainable)?
 - Agree on the **language**
 - Agree on the information **profile** + maintenance

DATEX II

The next steps

- Determine the operational level of the service
 - Operations supported
 - Timeliness requirements
 - Strong coupled or loose
- Determine the locationreferencing method used
 - TMC, linear, Open-LR, TPEG, GML or a combination
- Go to www.datex2.eu and choose predefined profile or create 1 yourself

DATEX II

Test

1. DATEX II standardises the delivery of the following data (VoxVote)
2. Why is the usage of DATEX II contributing to the acceleration of ITS services?
3. DATEX II profiles reduce the cost of implementation. I know how the governance of profiles is organised in my country/region.
4. Who is maintaining my digital road network information? (voxVote)

DATEX II



Certified DATEX II rookie

Assigned to:

Participants DATEX II 4 dummies session



DATEX II Steering Group

DATEX II