



Overview of Transmodel, NeTEx and SIRI: key aspects, characteristics & differences

Webinar

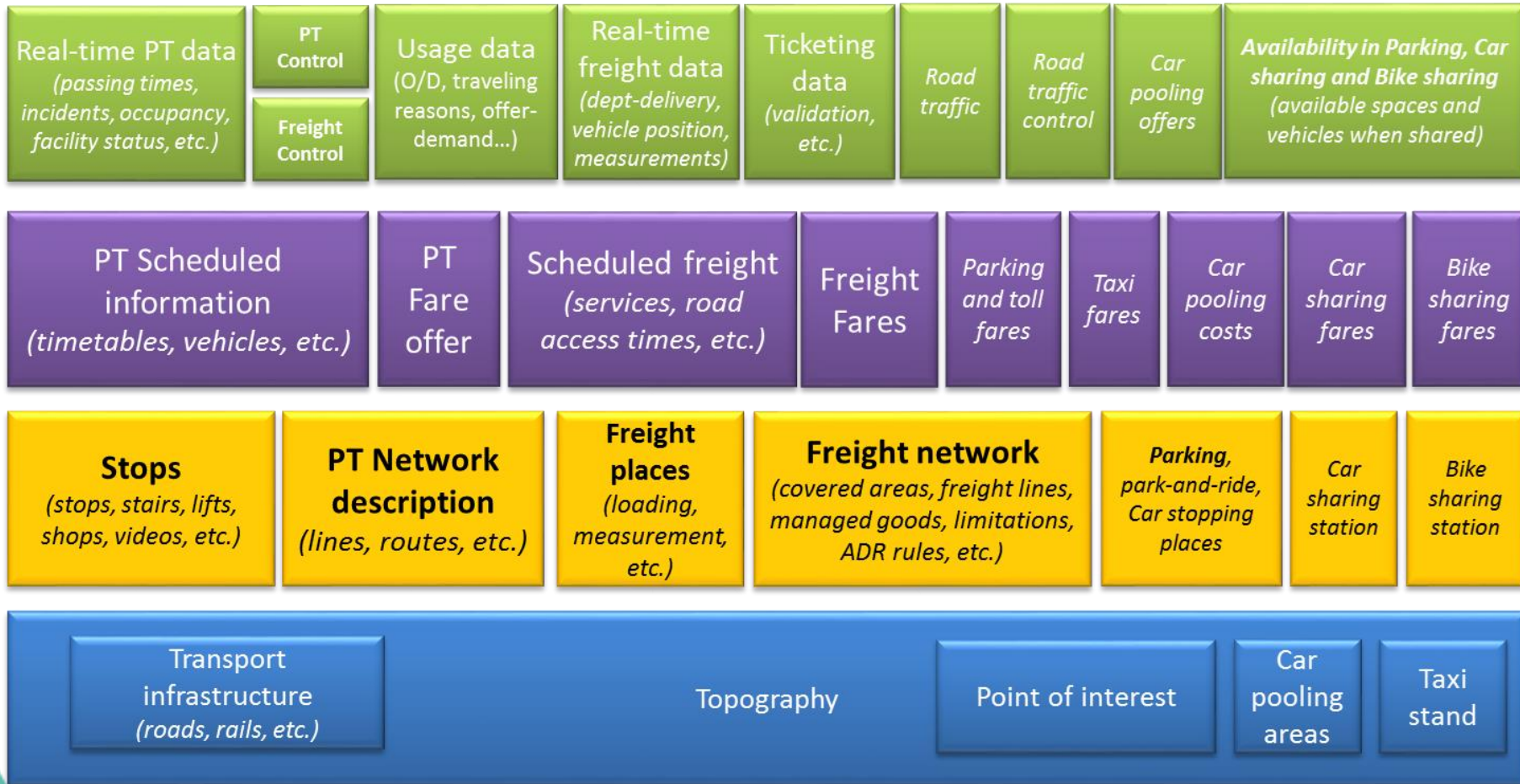
12 April 2021

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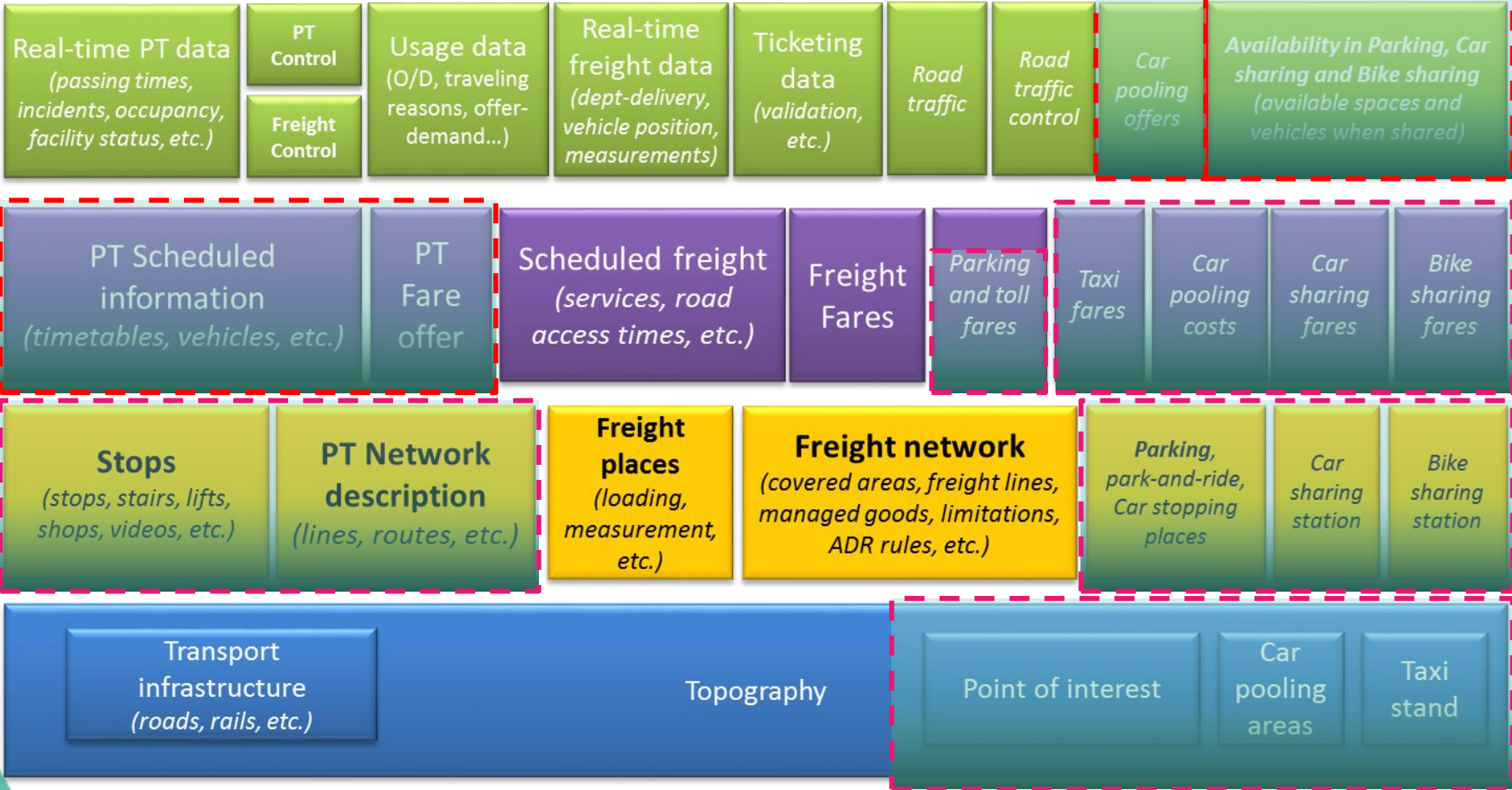
Data categories for mobility





Standards and categories

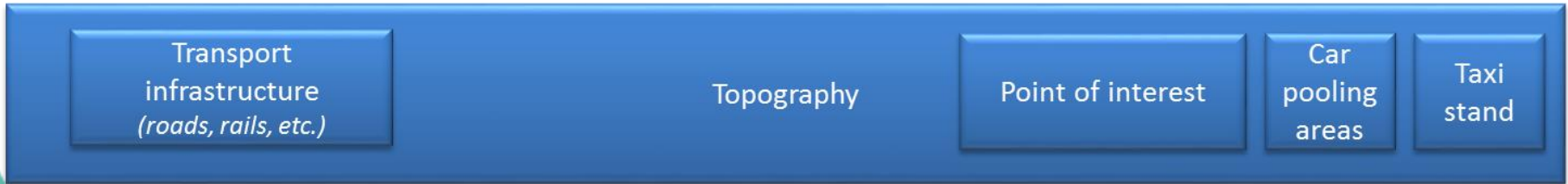
NeTEx





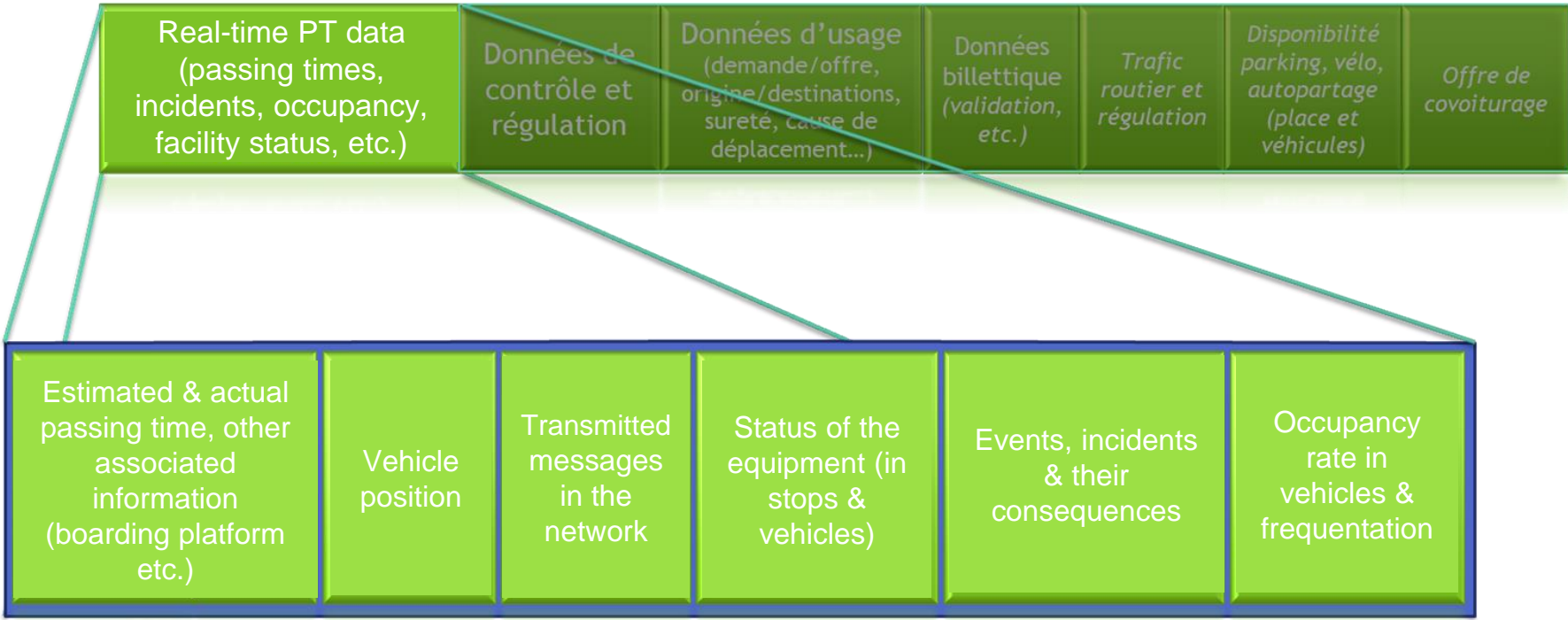
Standards and categories

SIRI





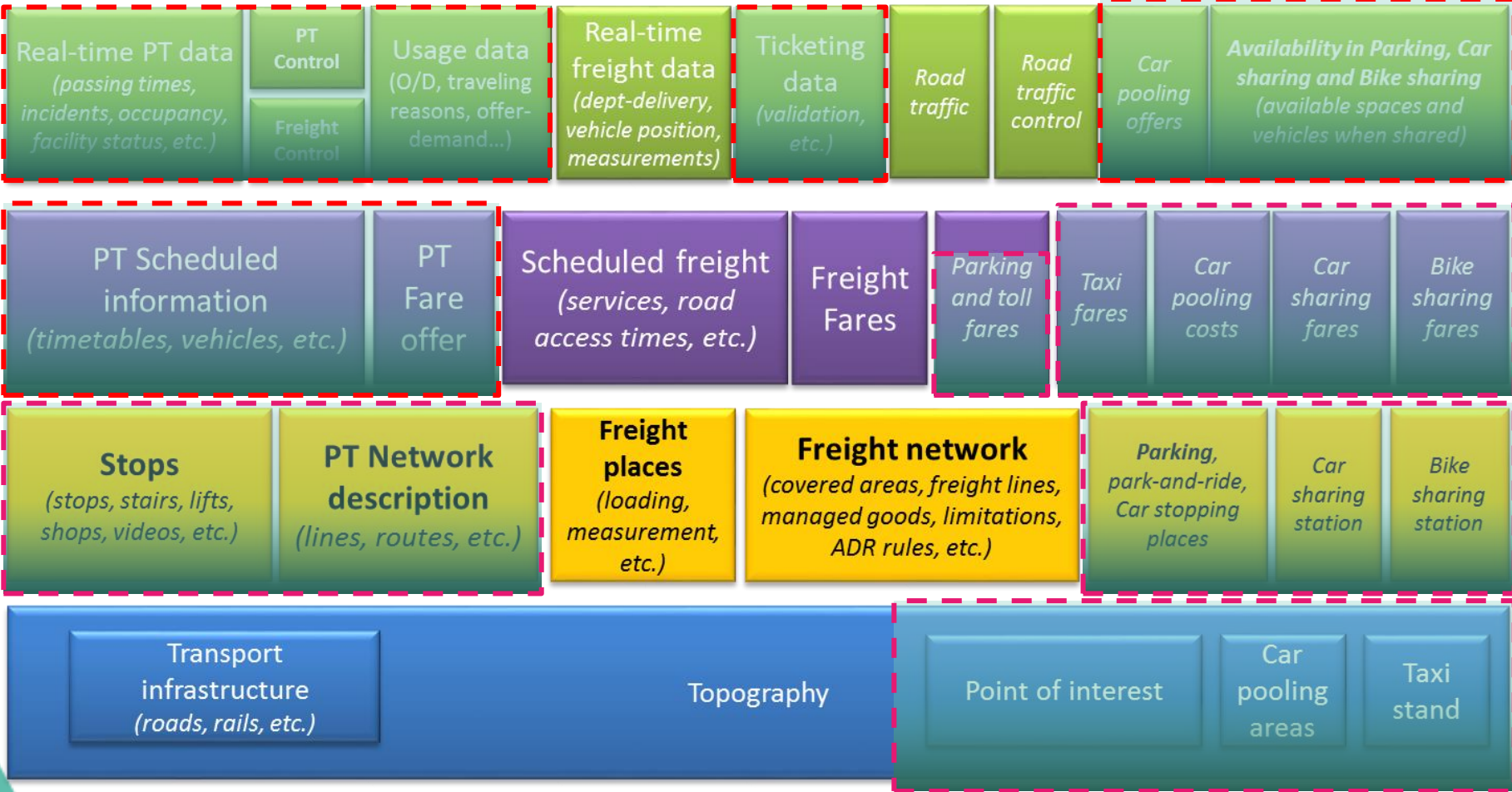
Data categories in mobility





Standards and categories

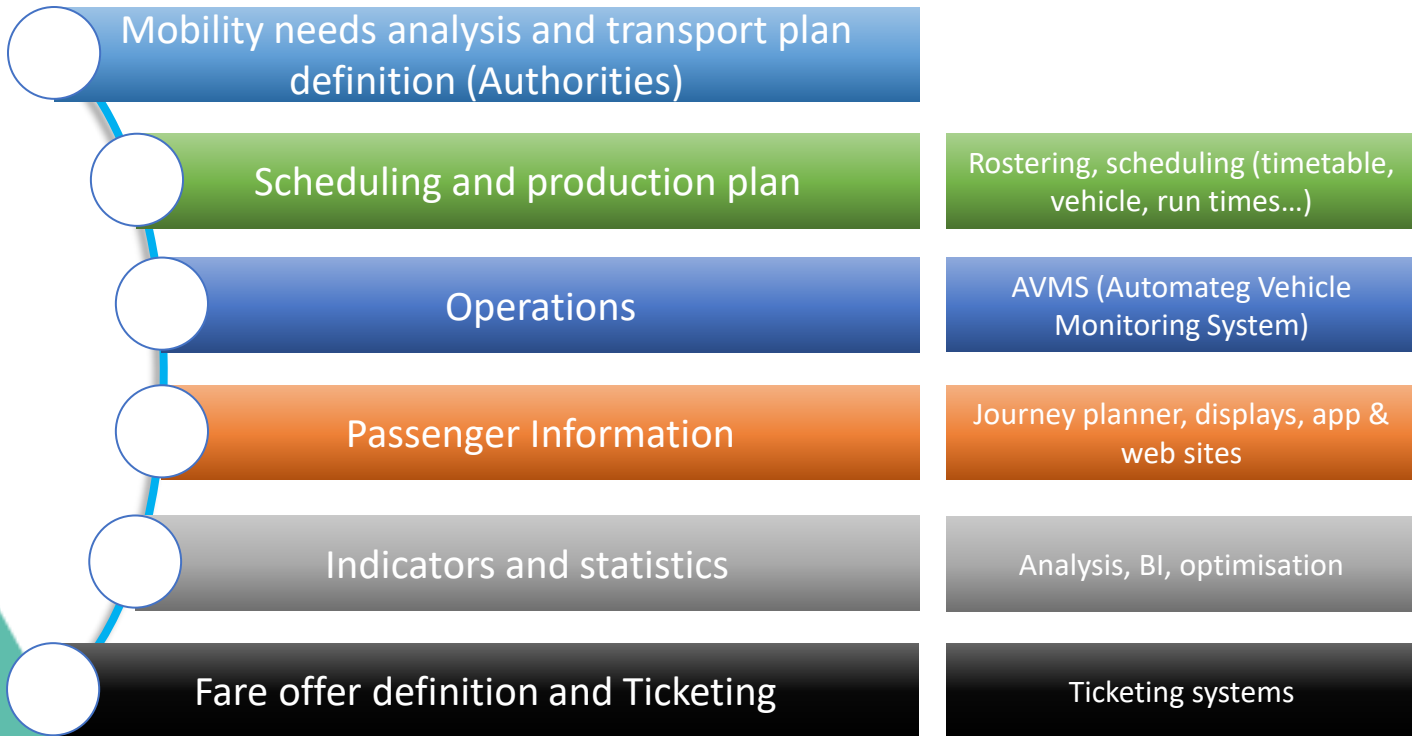
Transmodel





Public Transport related business cases

- Multiple and often complex business cases
- Each system or tool has a specific (and partial) point of view

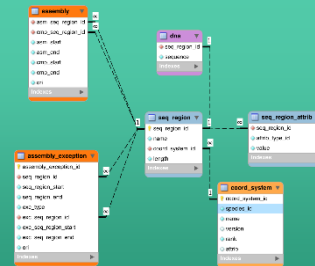




PT Standard dependencies

TRANSMODEL

Conceptual data model covering all the public transport data domains



NeTEx



Exchange data format for scheduled information

SIRI



Exchange data format for real time information

OpRa



Exchange data format for observed information

GTFS



GTFS RT



Transmodel: use cases examples

CEN EN 12896 1 to 10 *Conceptual data model*

Shared vocabulary

Definition of consistent exchange protocols

Definition of database model

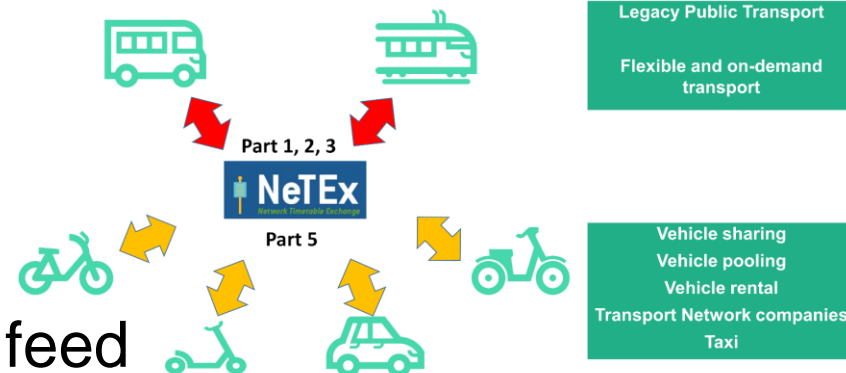
Useful for any Public Transport business case

Consistency across systems: base of interoperability



NeTEx: use cases examples

CEN TS 16614-1 to 5 *Scheduled data exchange*



To feed journey planner

Passenger information system feed

Open data feed (often as an enhanced complement to GTFS)

AVMS feed

Exchange for co-operated network

Late schedule update (on a specific day) dissemination

Ticketing system feed



SIRI: use cases examples

CEN EN 15531-1 to 5

Real-time data exchange

Realtime data hub feed

Journey planner feed

Realtime display system feed

Control Center feed and dissemination

Multi-operator connection operation

Situation management and publication

Multi-operator, shared vehicle operation (i.e. EBSF)



Profiles

Standards are by their nature, **consensus documents**, taking into account a wide range of requirement coming from multiple national mirror groups

The scope of a standard is **much further than** the one of a **single use case**

Standards' documents are often quite **large and detailed** (also due to the expected detail level and stand writing editorial rules)

Standards contains a lot of **non mandatory features** (services, attributes, processes, etc.)

Specific local rules (reference data set, coding, local processes, etc.) are not described in standards

A profile

- facilitates the implementation of a standards
- improves interoperability

by

- focusing only on what is needed
- filling the small gaps voluntarily left by the standard
- taking into account the local context.



Thank you for your attention!

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