

DATEX II

Traffic signal timing and configuration models

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Topics

1

Origin and status of the TrafficSignals model

2

Context within DATEX II version 3

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Design

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Forthcoming amendments

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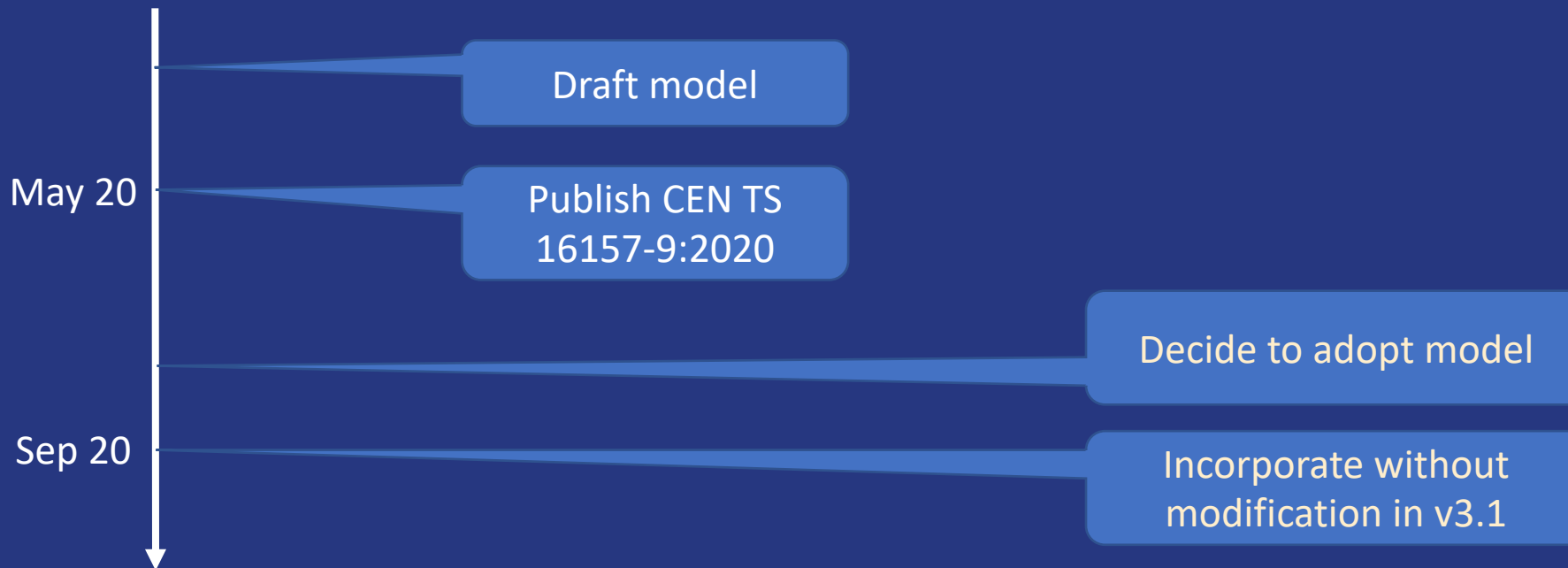


Origin of the TrafficSignals model

The DATEX II PSA has not designed or governed this model...

CEN TC278/WG17/PT1709

DATEX II PSA

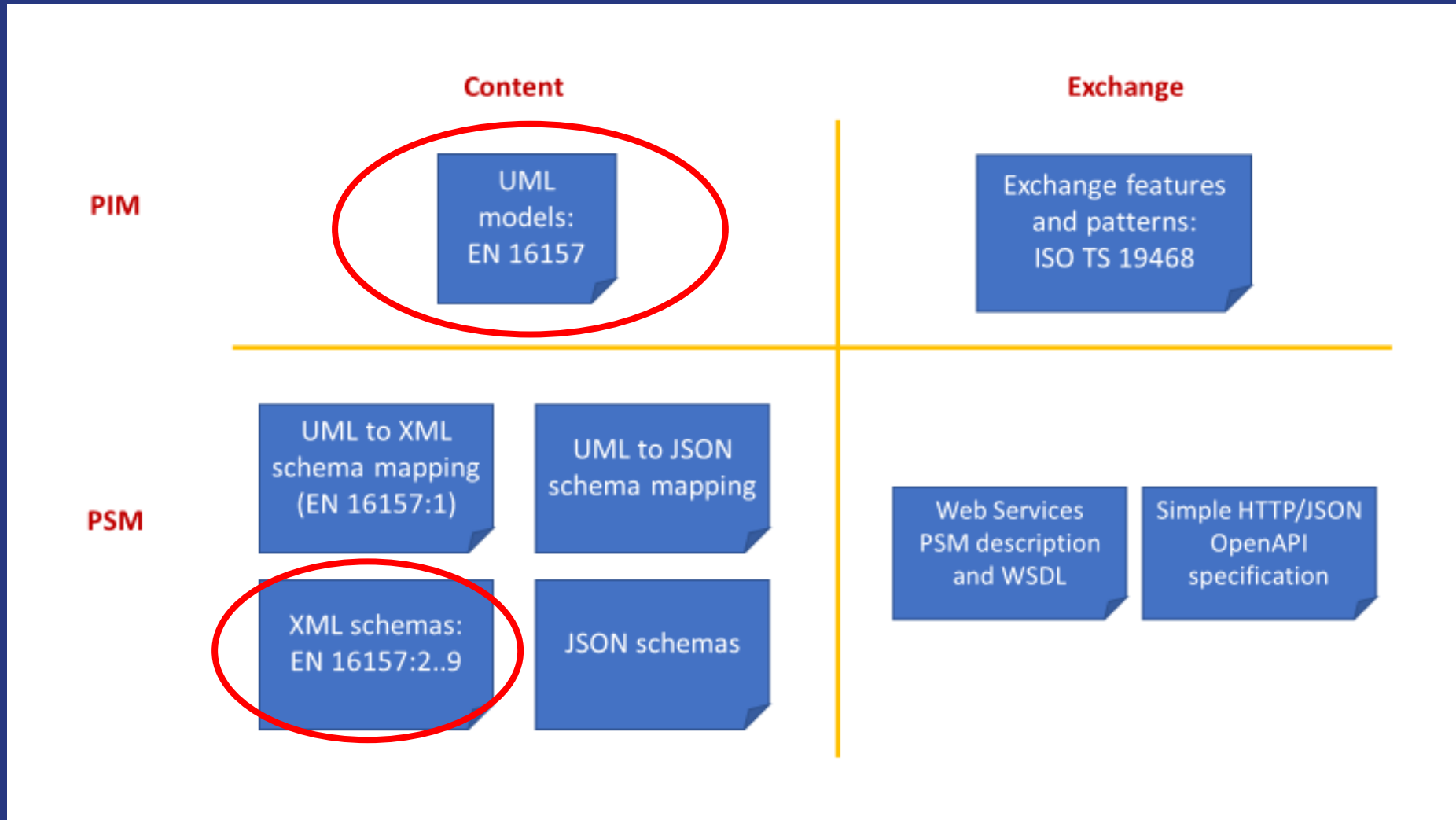


...but has now adopted it and will improve and maintain its design in future.

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TrafficSignals is a *content* specification



Content | Platform-independent models

Release 3.0 (2018)

Common elements
Location referencing
Traffic situation

D2Light (2019)

Traffic situation (light)

Release 3.1 (2020) adds VMS

Road traffic data

Extensions:

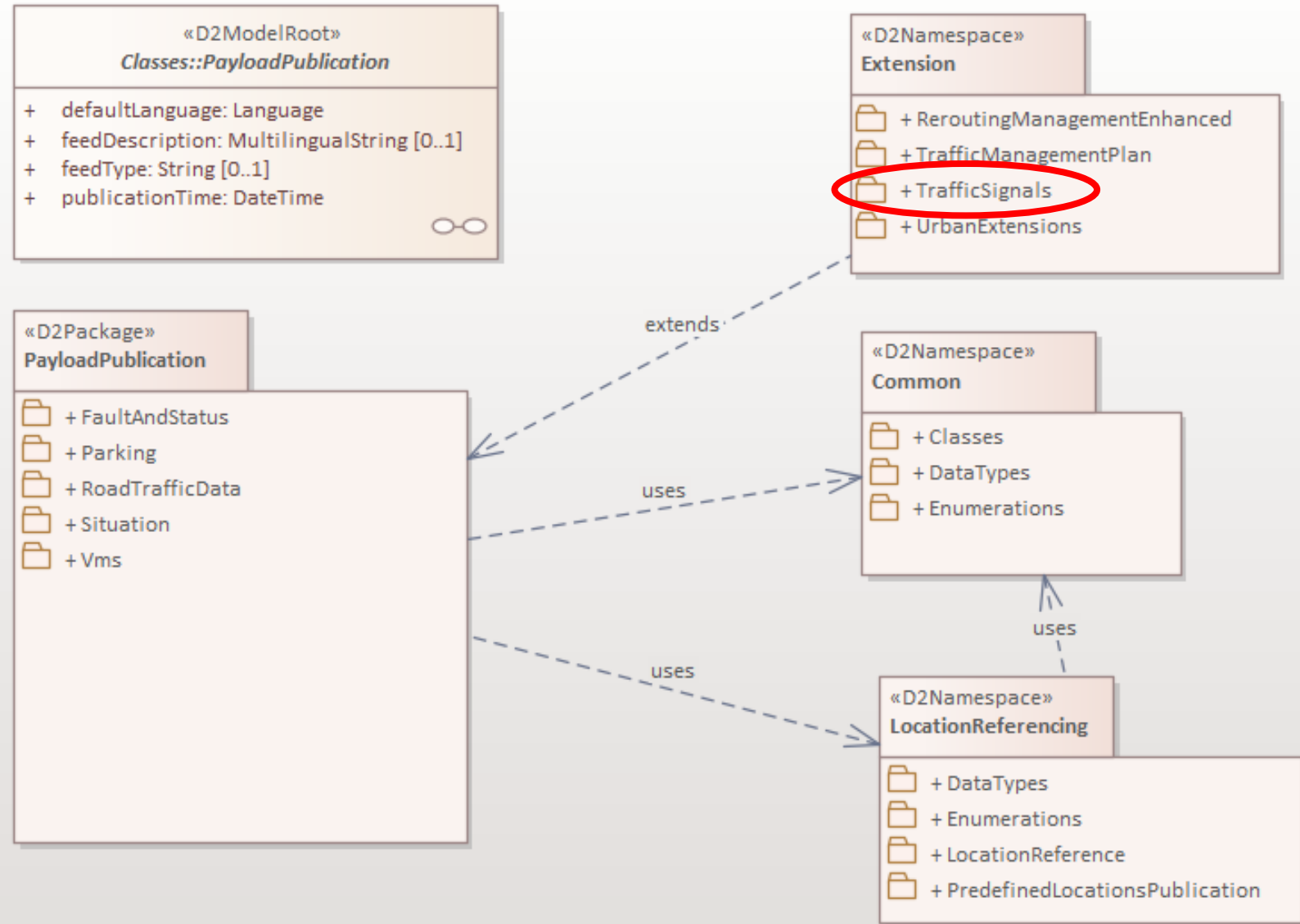
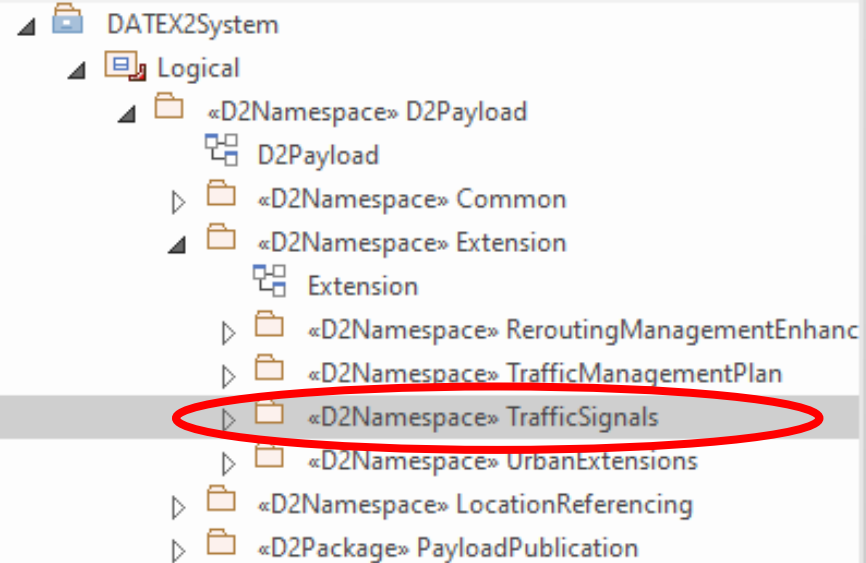
- Urban
- Traffic management plans
- Enhanced rerouting
- **Traffic signal applications**

Release 3.2 (2021) to add

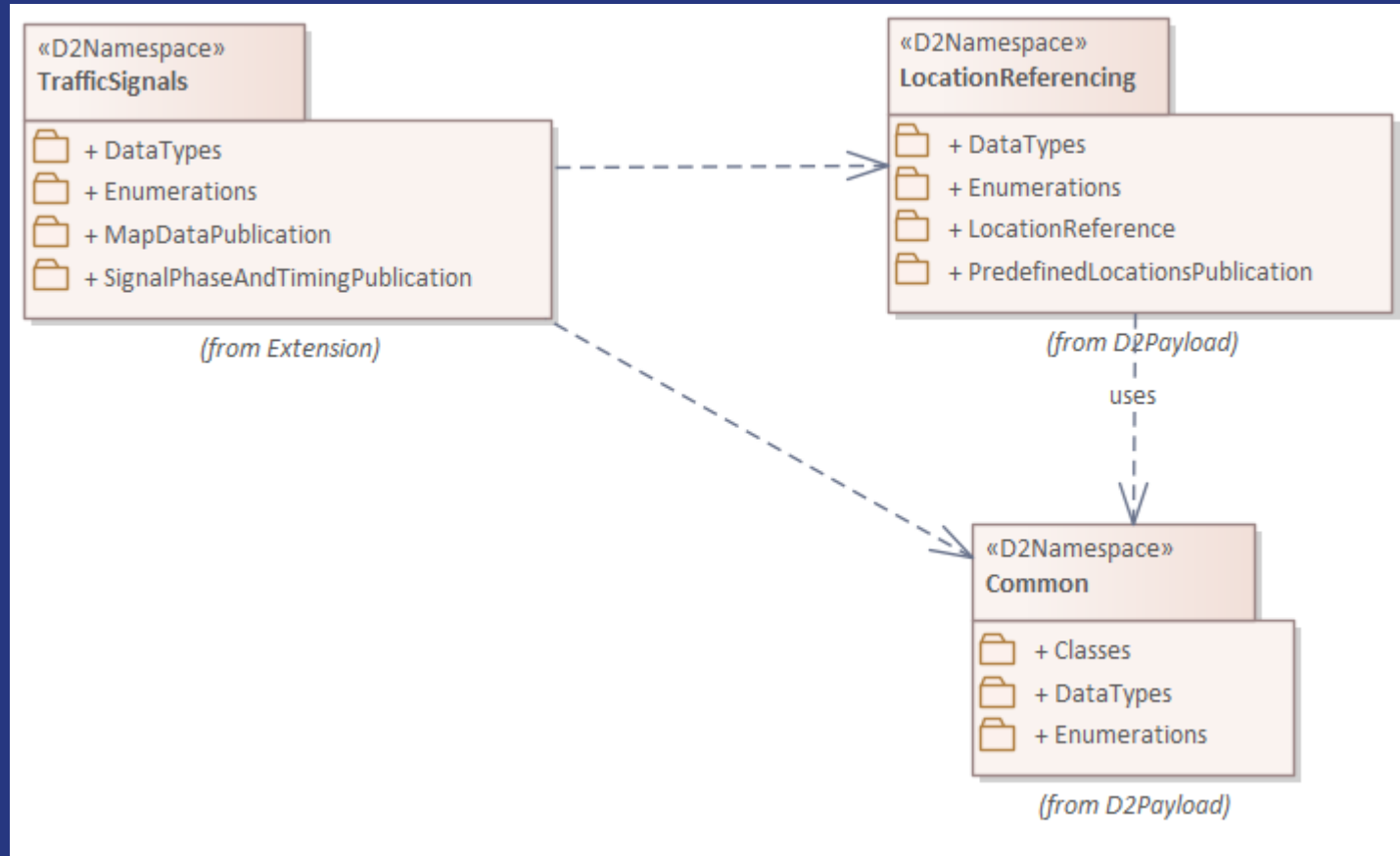
Parking
Vehicle energy infrastructure
Device status and faults
Traffic regulations
Enhanced satellite positioning

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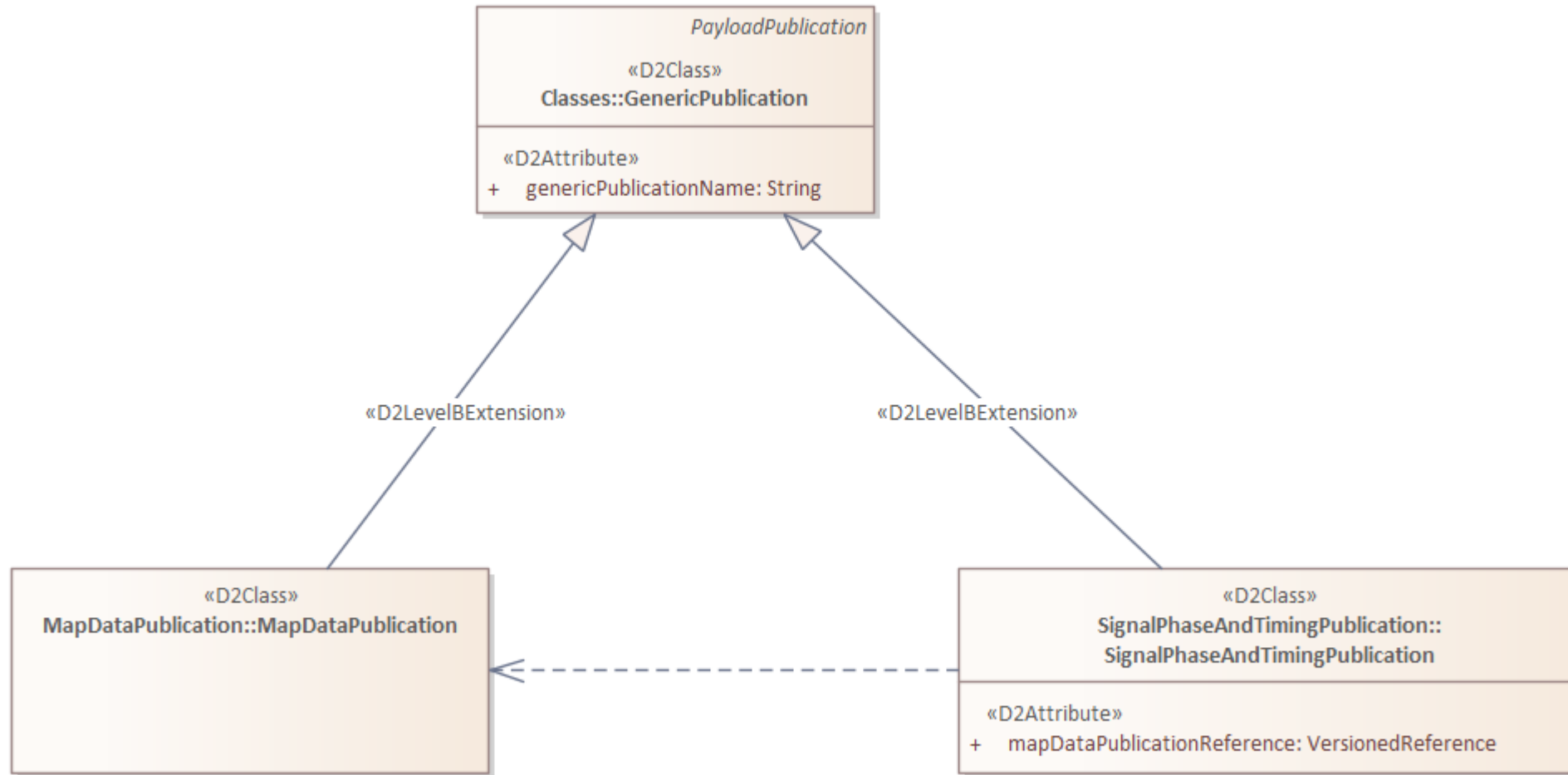
Namespace dependencies



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class TrafficSignalsPublications

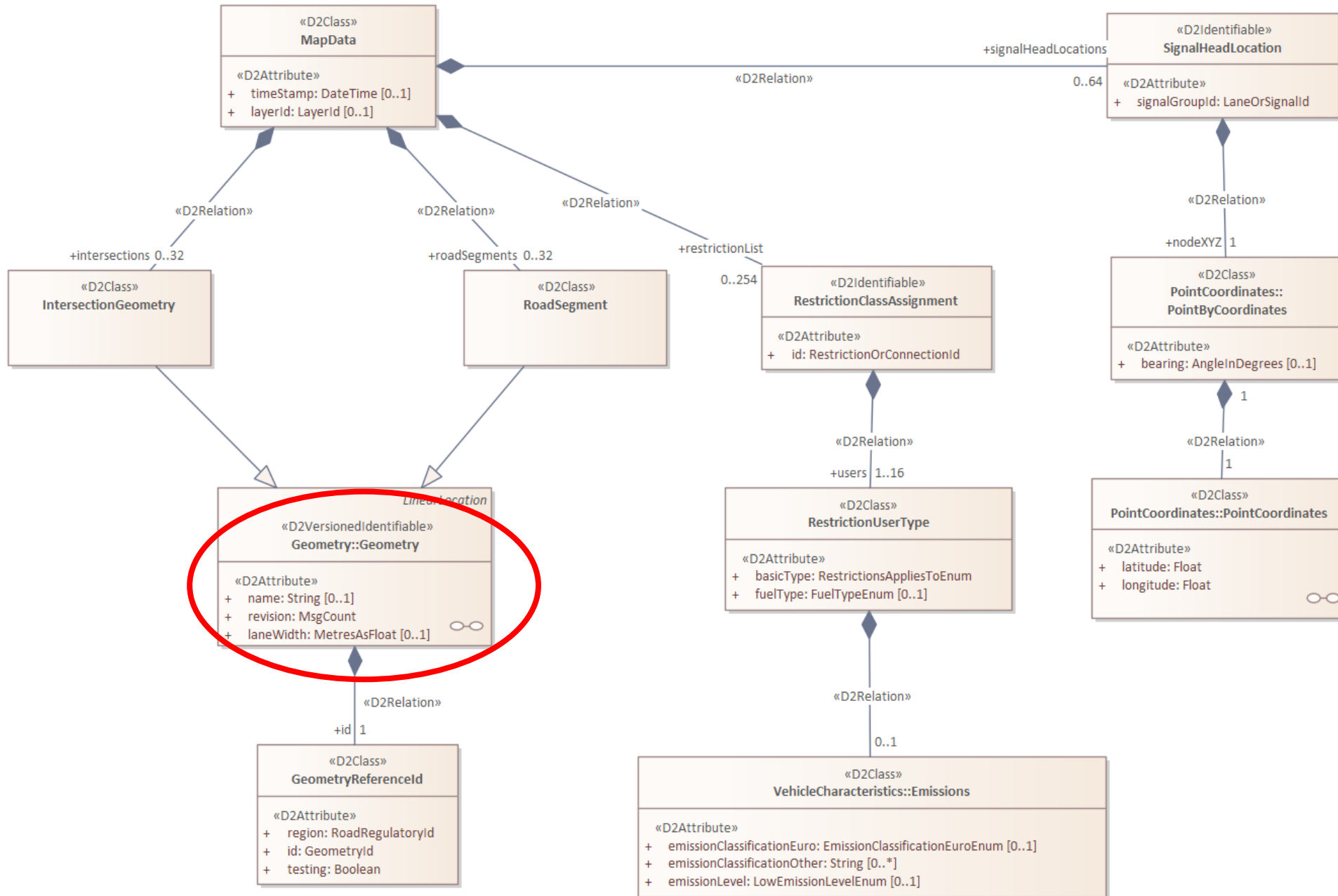


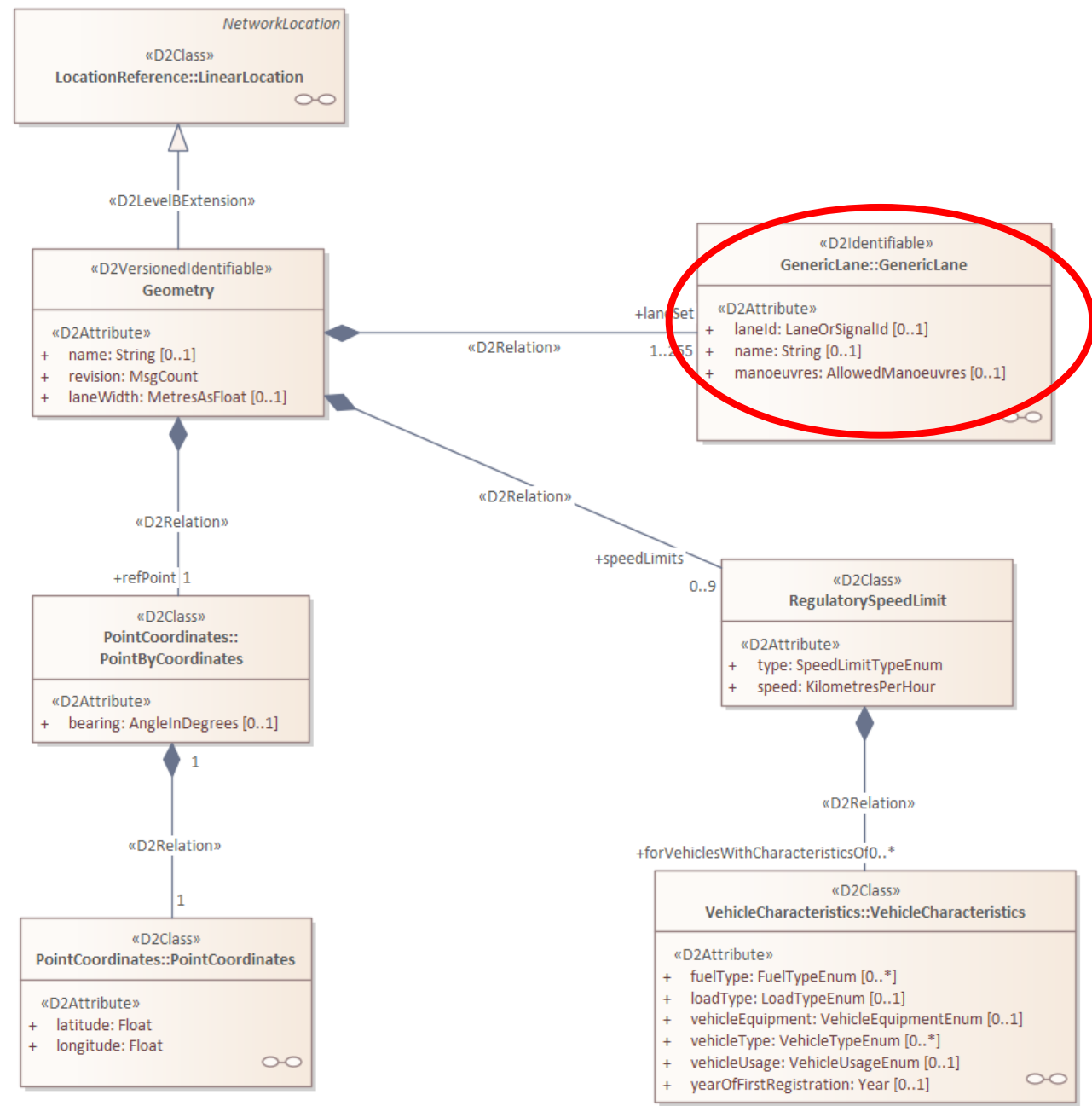
Traffic signals models in DATEX II

- The current TrafficSignals extension model is not the only one that exists
 - (but it's the one that has been adopted by the DATEX II SG.)
- The TrafficSignalStatusPublication, an extension of DATEX II v2.3, based on UK UTMC centre-to-centre traffic signals model is also available:
https://www.datex2.eu/implementations/extension_directory/trafficsignalstatus

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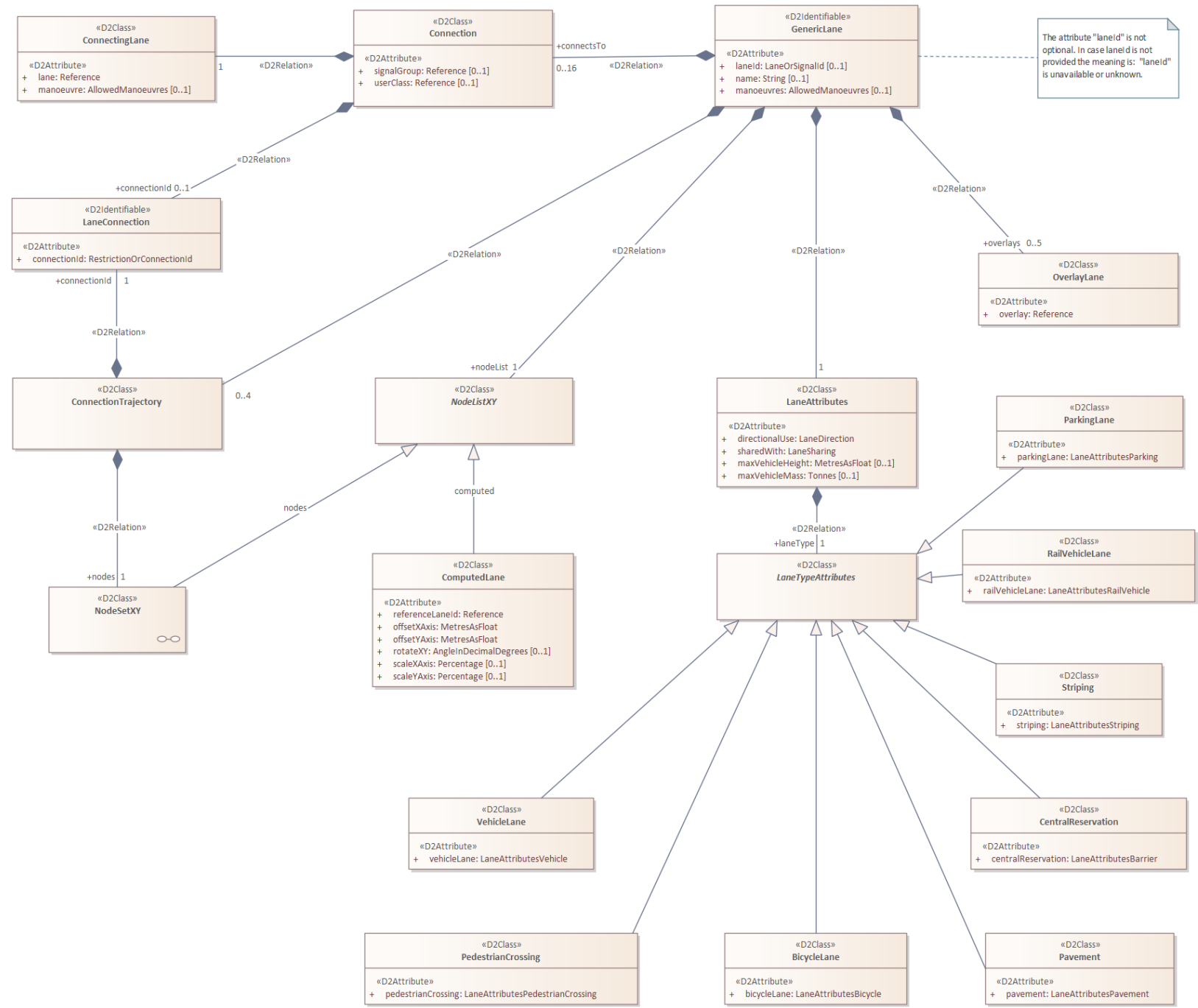




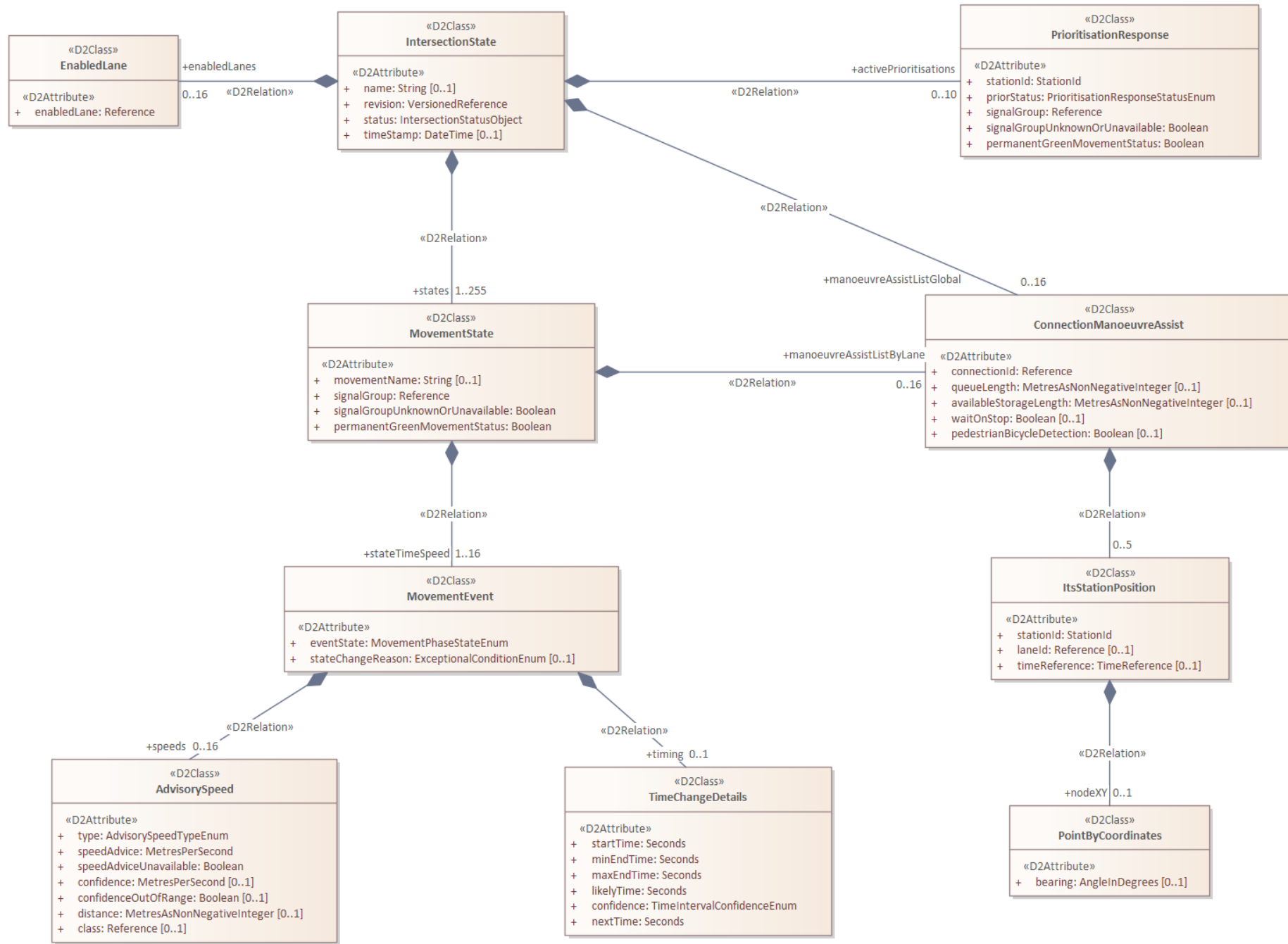
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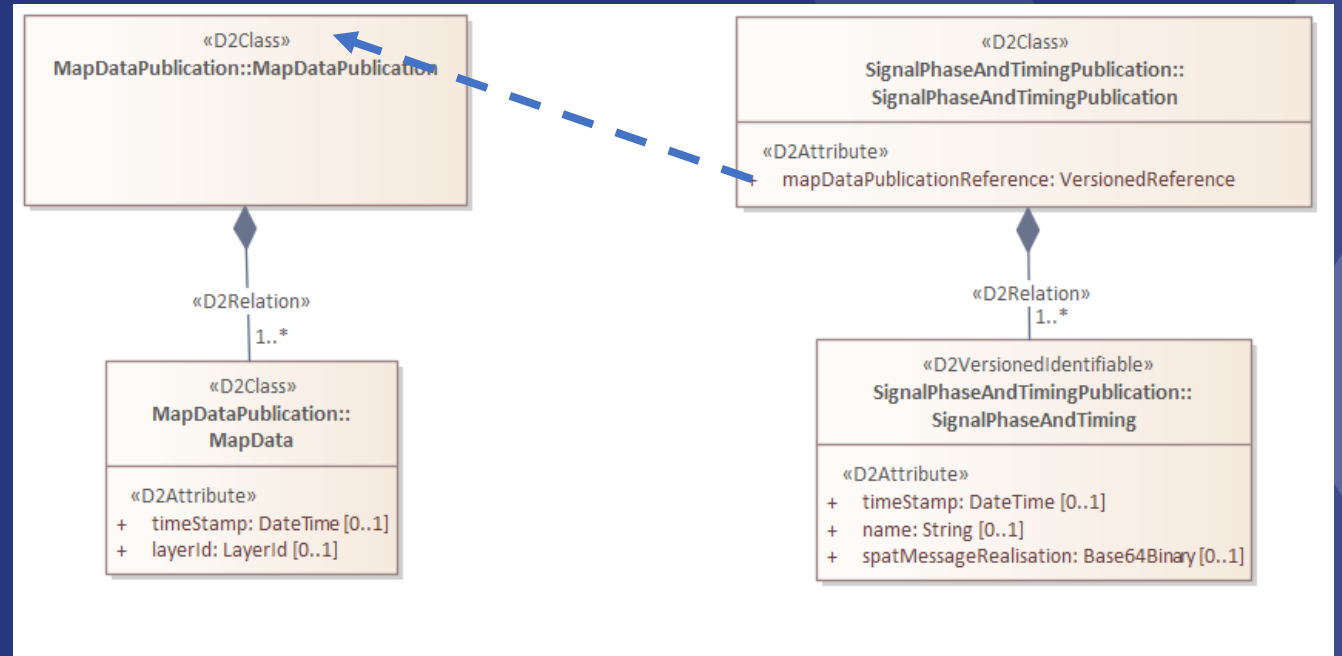
The attribute "laneId" is not optional. In case laneId is not provided the meaning is: "laneId" is unavailable or unknown.



Forthcoming amendments

In release 3.2 (Spring 2021):
Fix bug in TS 16157-9 model
preventing use!

In subsequent release:
Improve design and revise TS
16157-9 (e.g. enable JSON)



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Thank you

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