

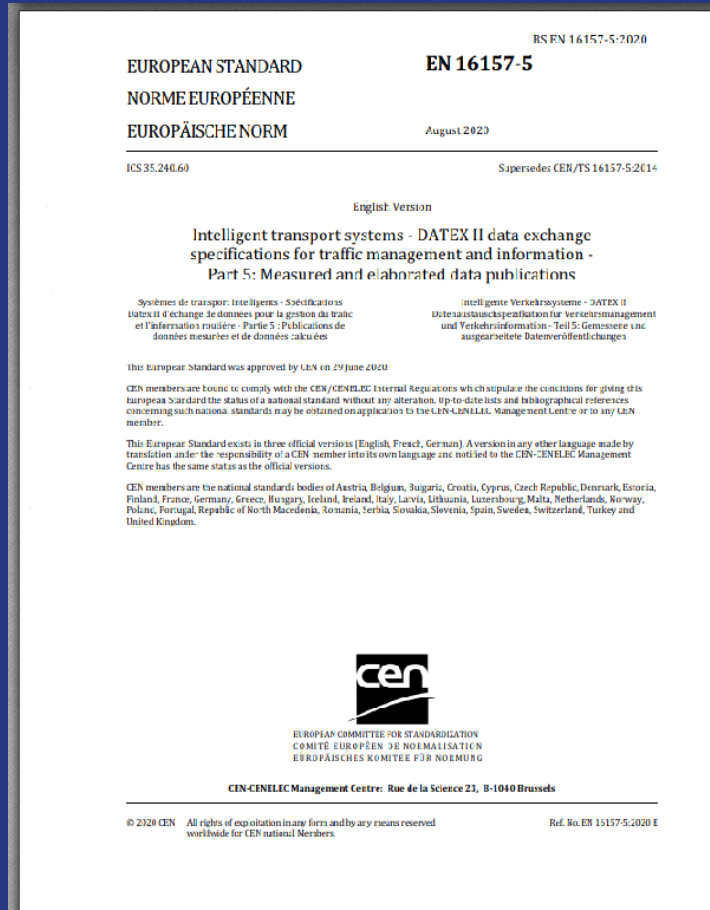
# DATEX II

## Road Traffic Data

Ian Cornwell, United Kingdom

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WEBINAR SERIES

# DATEX II Road Traffic Data



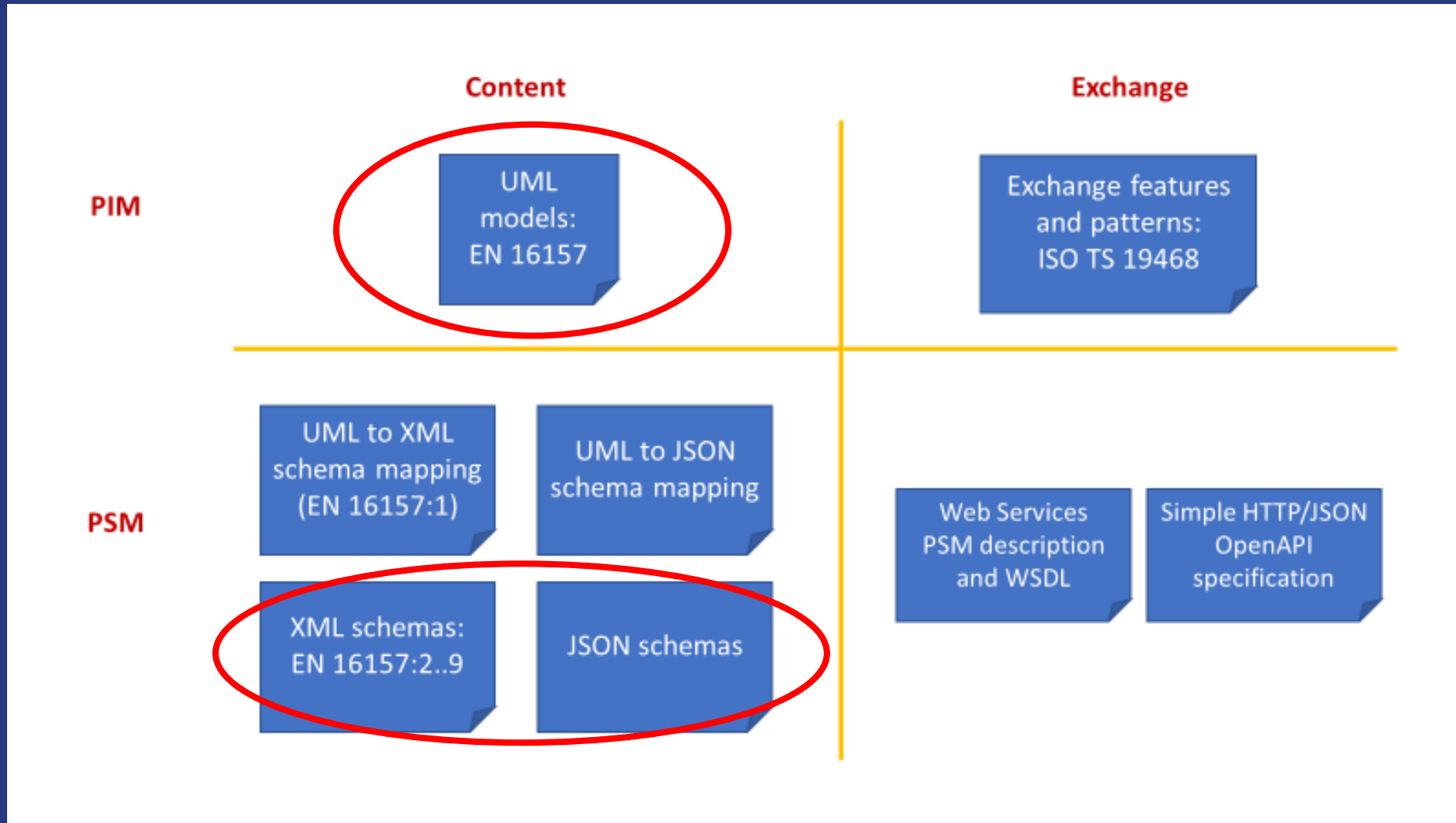
EN 16157-5:2020 “Measured and elaborated data publications”

RoadTrafficData is the name of the namespace in the data model.

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# RoadTrafficData 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:

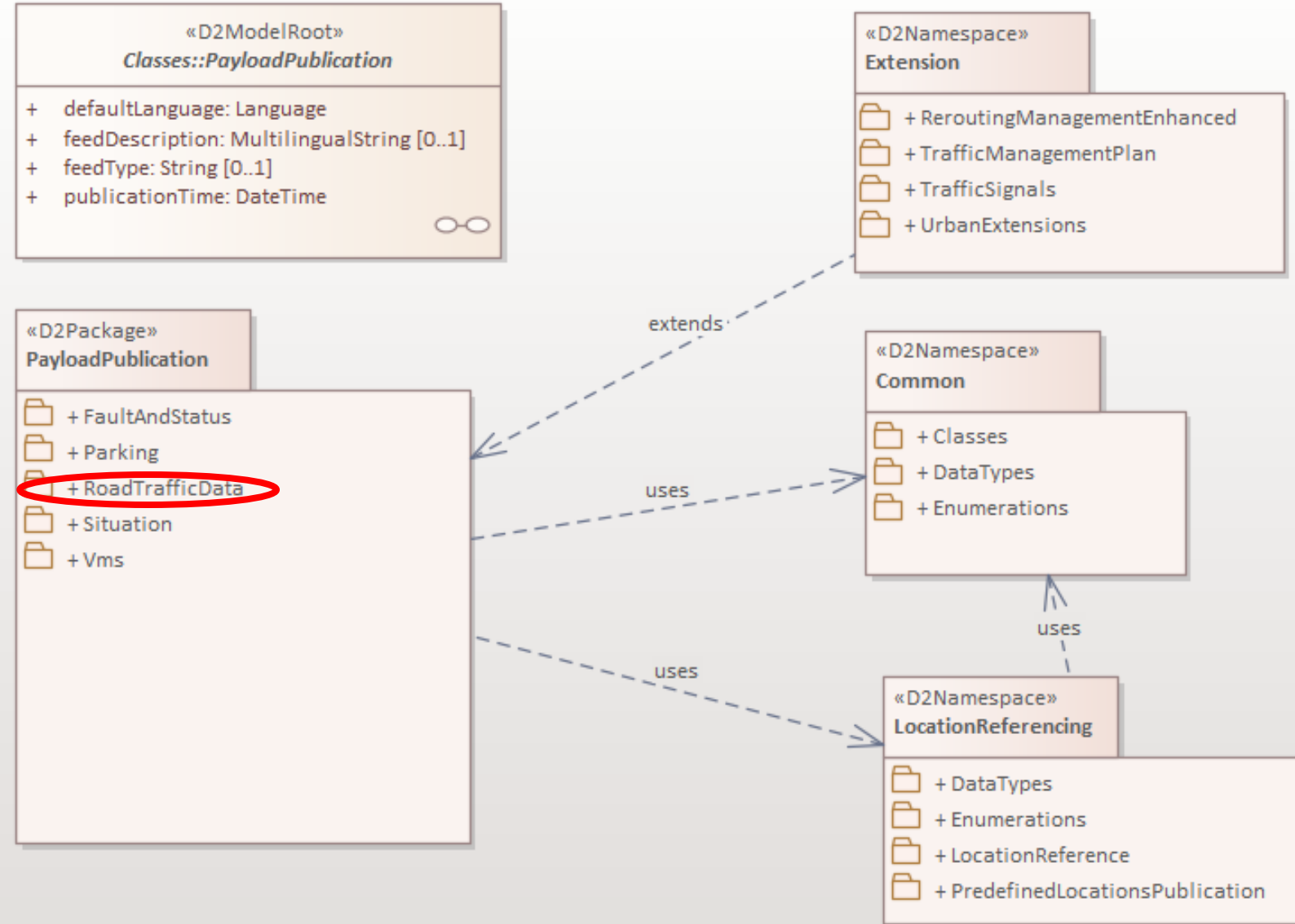
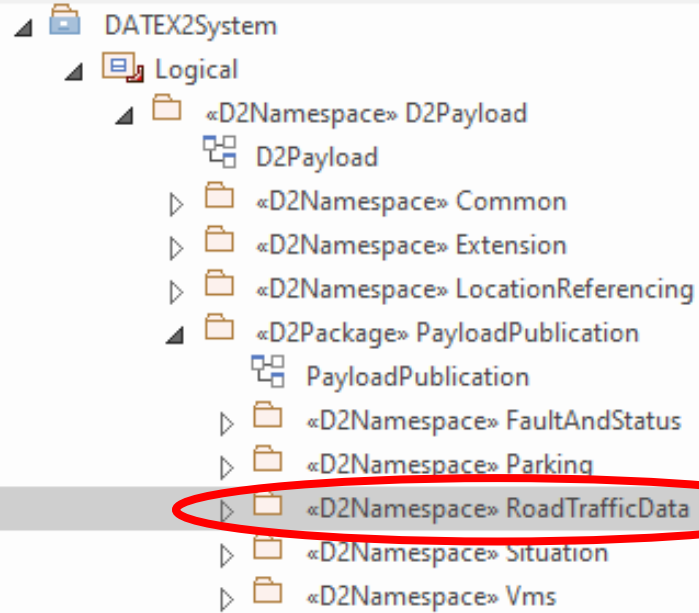
- Urban
- Traffic management plans
- Enhanced rerouting
- Traffic signal applications

Release 3.2 (2021) to add

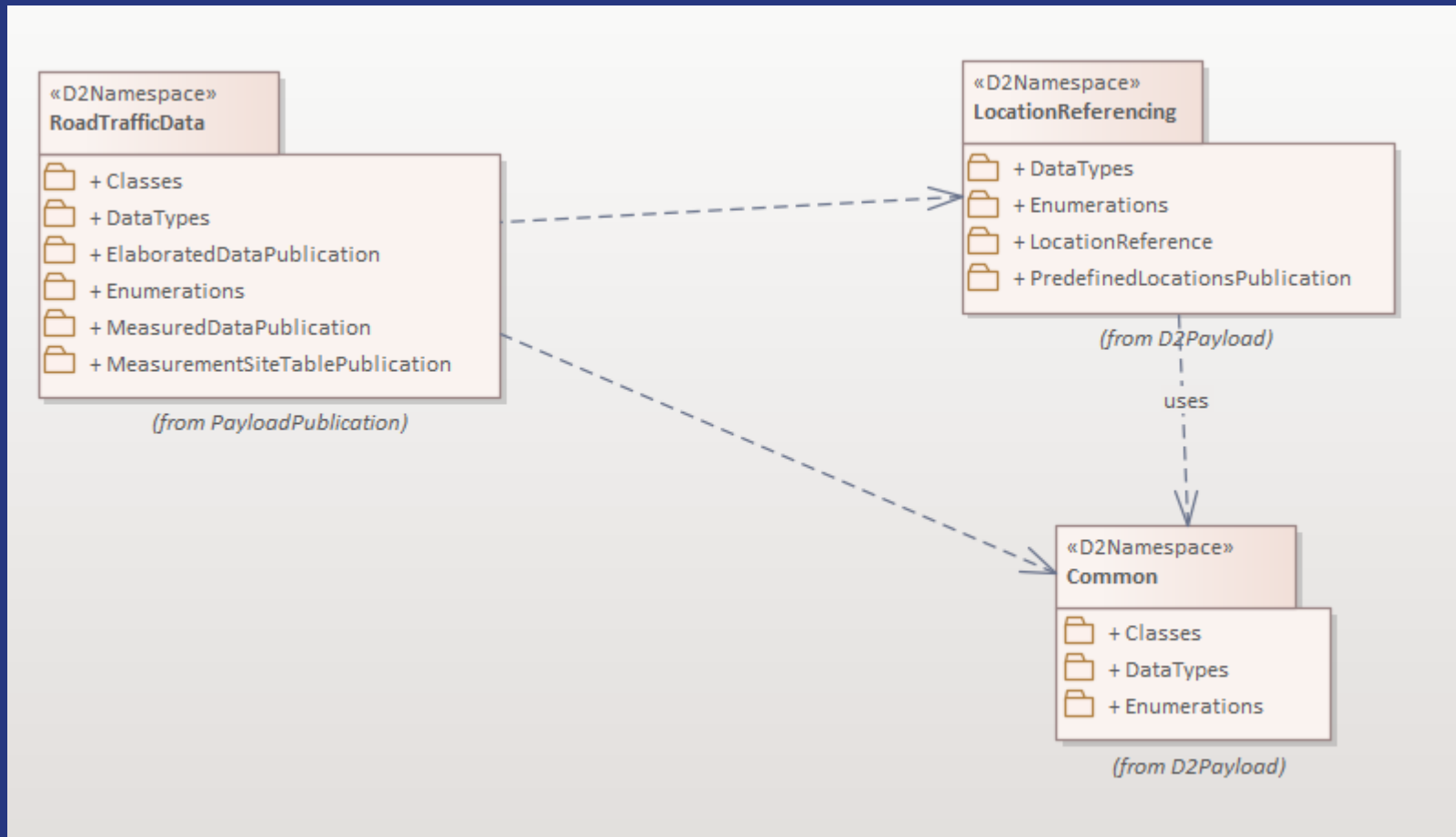
Parking  
Vehicle energy infrastructure  
Device status and faults  
Traffic regulations  
Enhanced satellite positioning

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# Namespace dependencies



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class RoadTrafficData

«D2Package»  
ElaboratedDataPublication

+ ElaboratedDataPublication

«D2Package»  
MeasuredDataPublication

+ MeasuredDataPublication

«D2Package»  
MeasurementSiteTablePublication

+ MeasurementSiteTablePublication

«D2Package»

Classes

- + AxleCharacteristics
- + MeasurementSite
- + MeasurementSiteTable
- + MeasurementSpecificCharacteristics
- + ReferenceSettings
- + SiteMeasurements
- + BasicData
- + DataValue
- + PhysicalQuantity
- + TrafficData
- + TrafficStatus
- + TravelTimeData
- + WeatherData

«D2Package»

DataTypes

- + VehiclesPerDay
- + DensityVehiclesPerKilometre
- + PassengerCarUnitsPerHour

«D2Package»

Enumerations

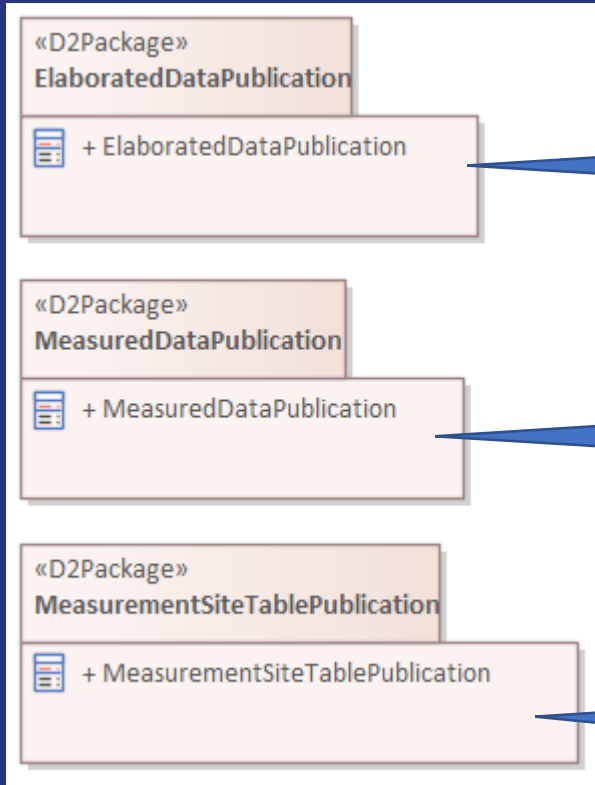
- + PhysicalQuantityFaultEnum
- + TimeMeaningEnum
- + TrafficStatusEnum
- + MeasuredOrDerivedDataTypeEnum
- + TravelTimeTrendTypeEnum
- + TravelTimeTypeEnum

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# Entry classes - publications



Dynamic data without reference to measurement equipment.

Dynamic data produced by the measurement equipment described below

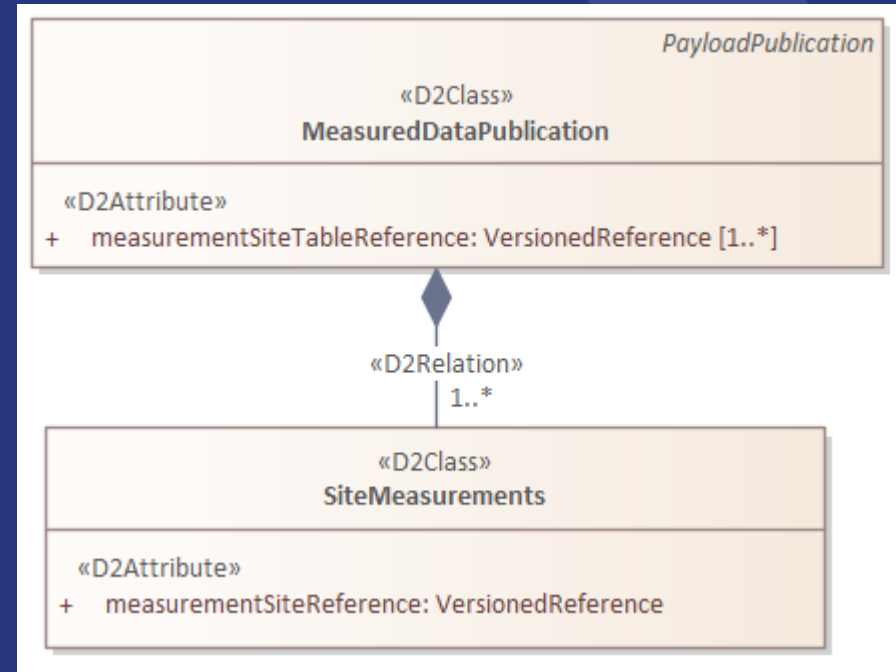
Traffic measurement sites, equipment, configuration

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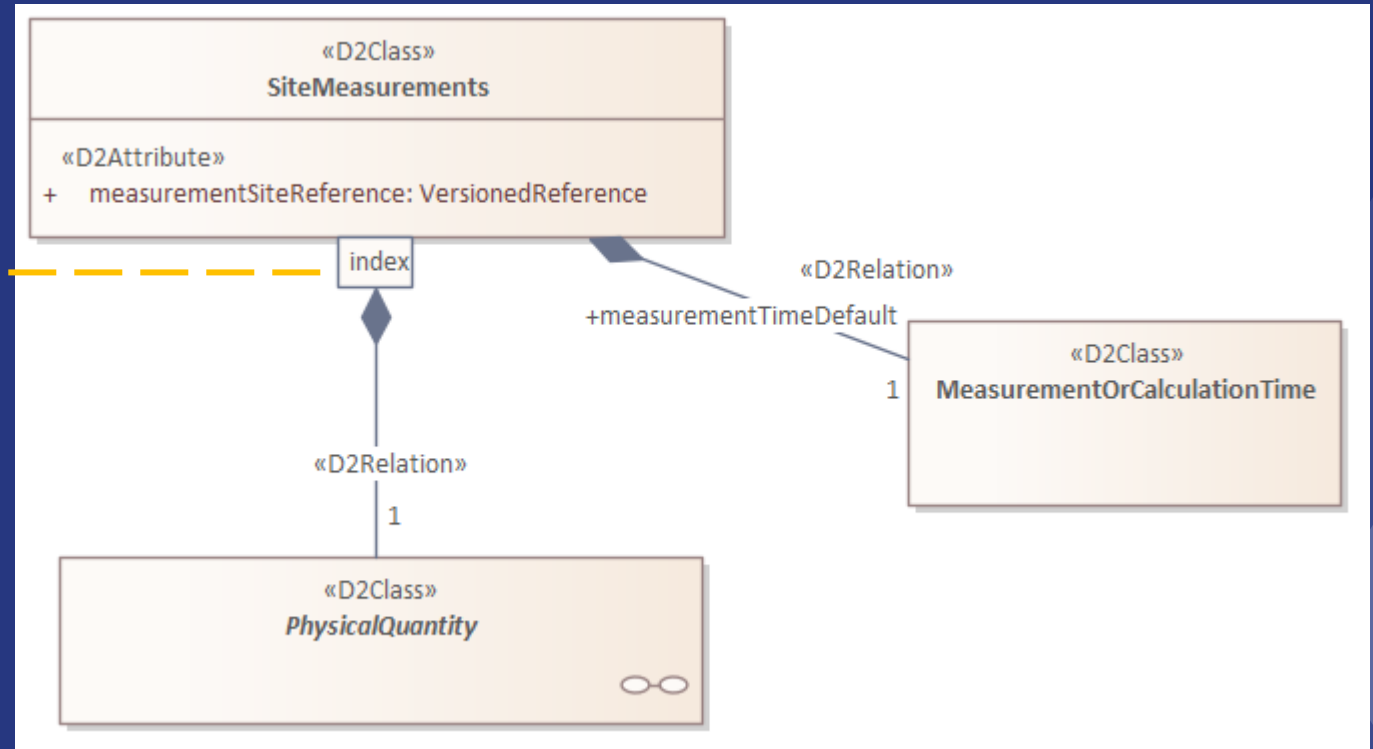
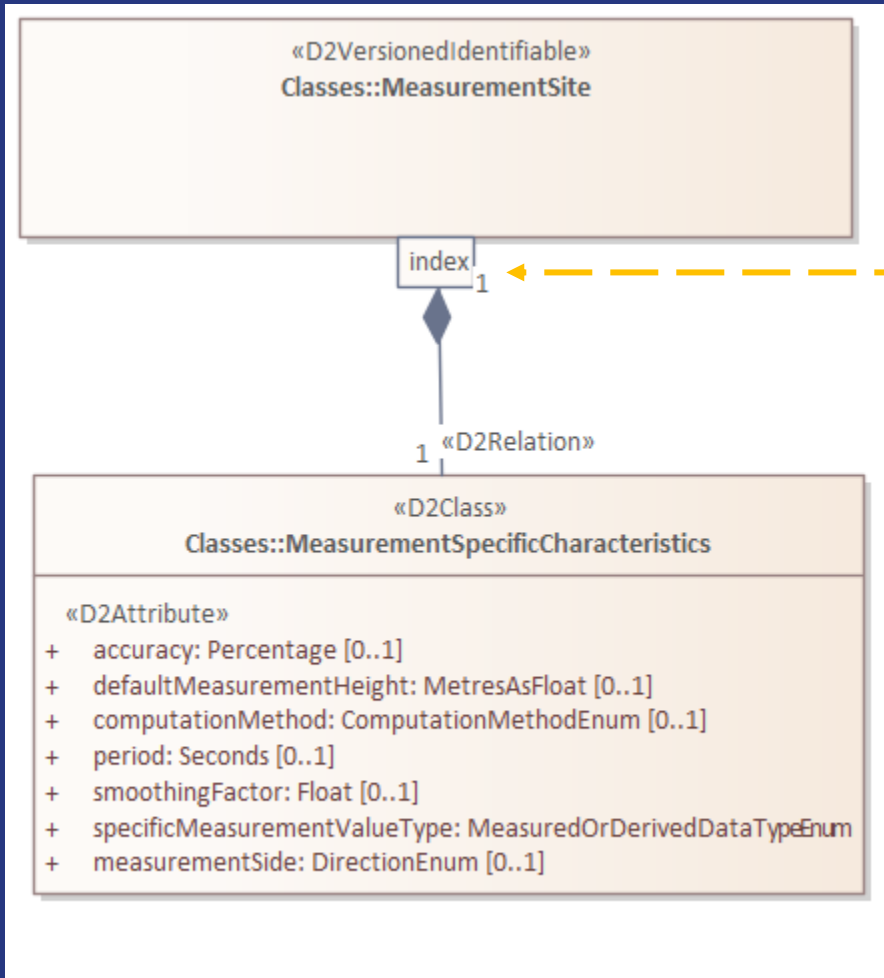
(elided)



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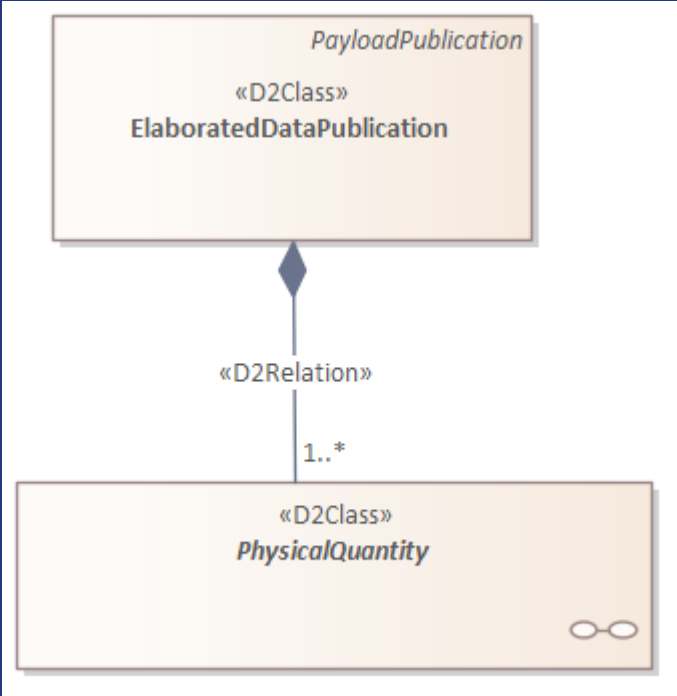
(elided)

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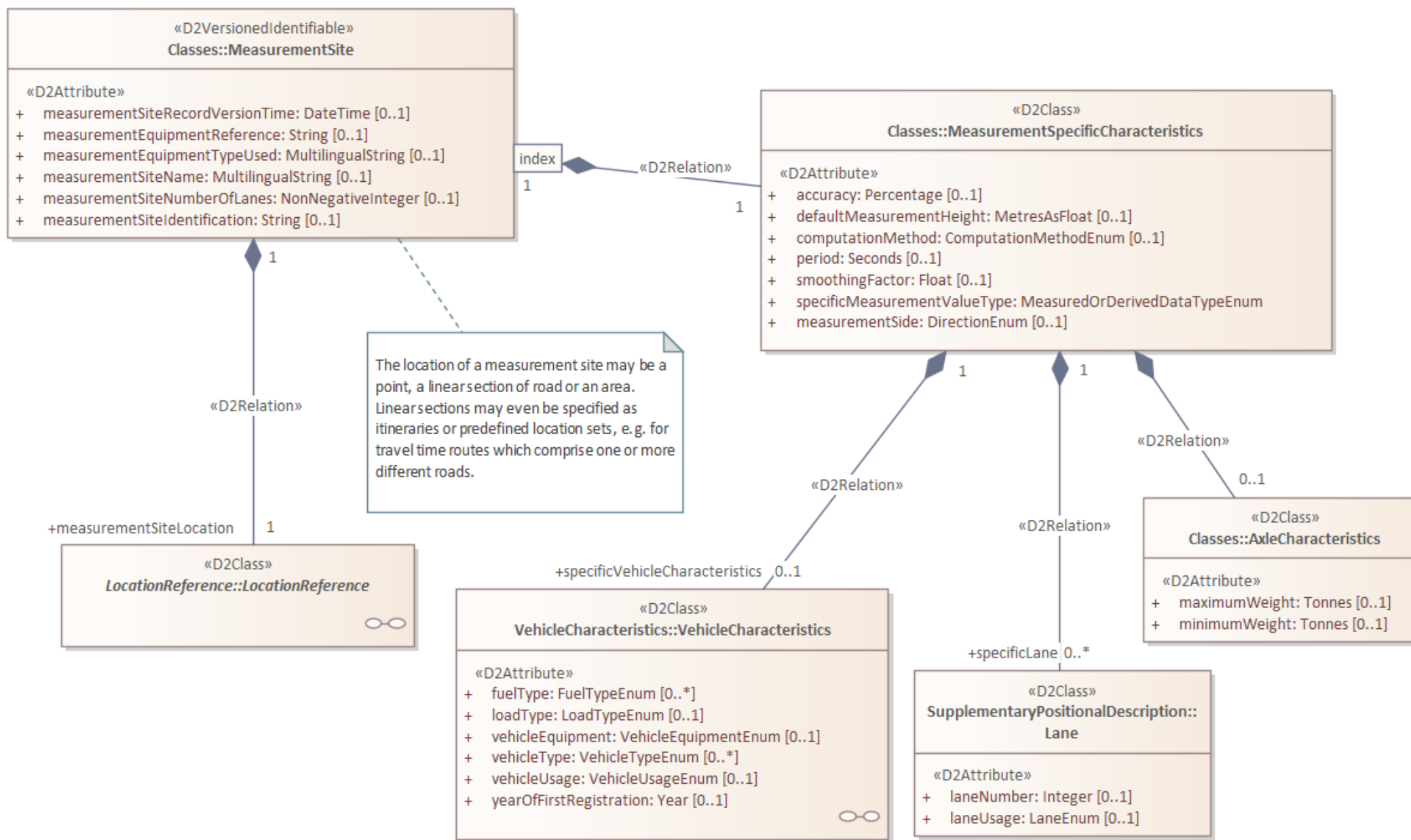
(elided)

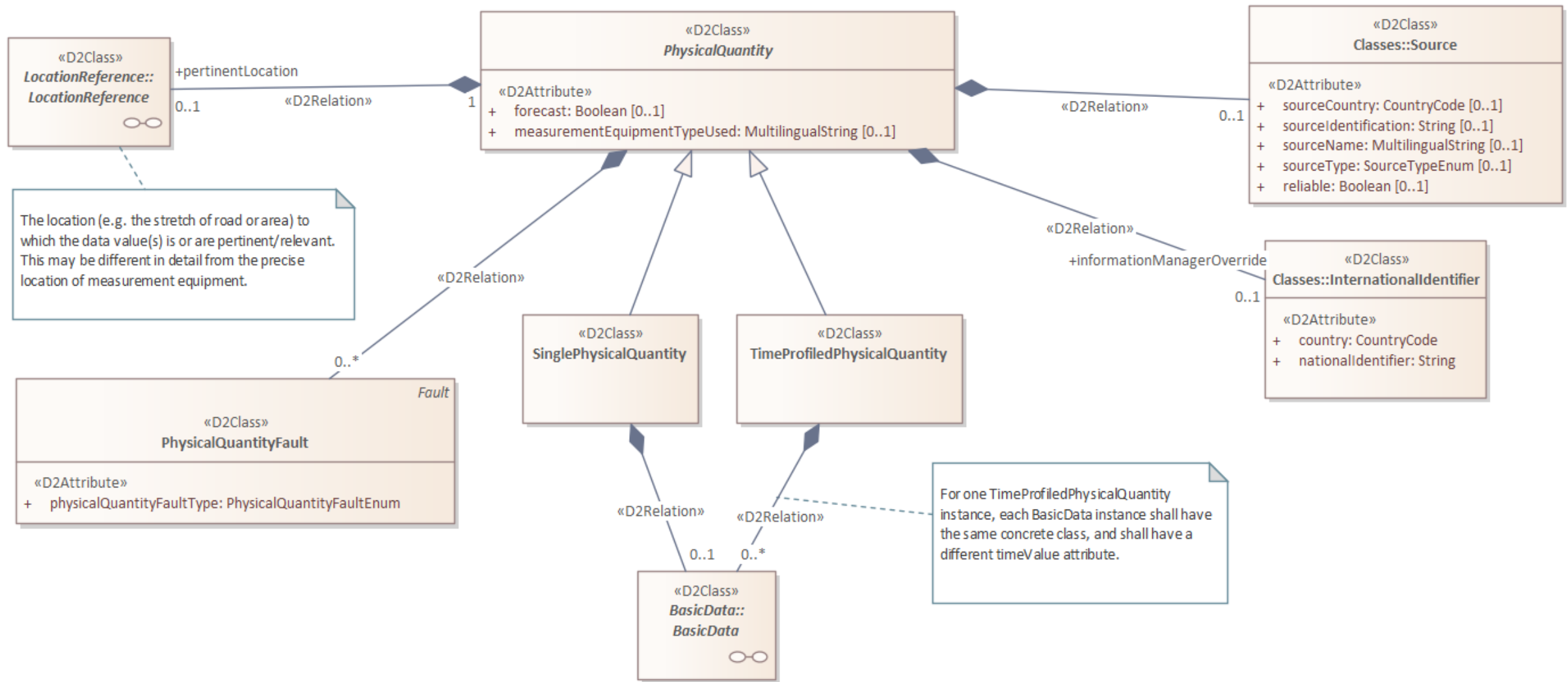


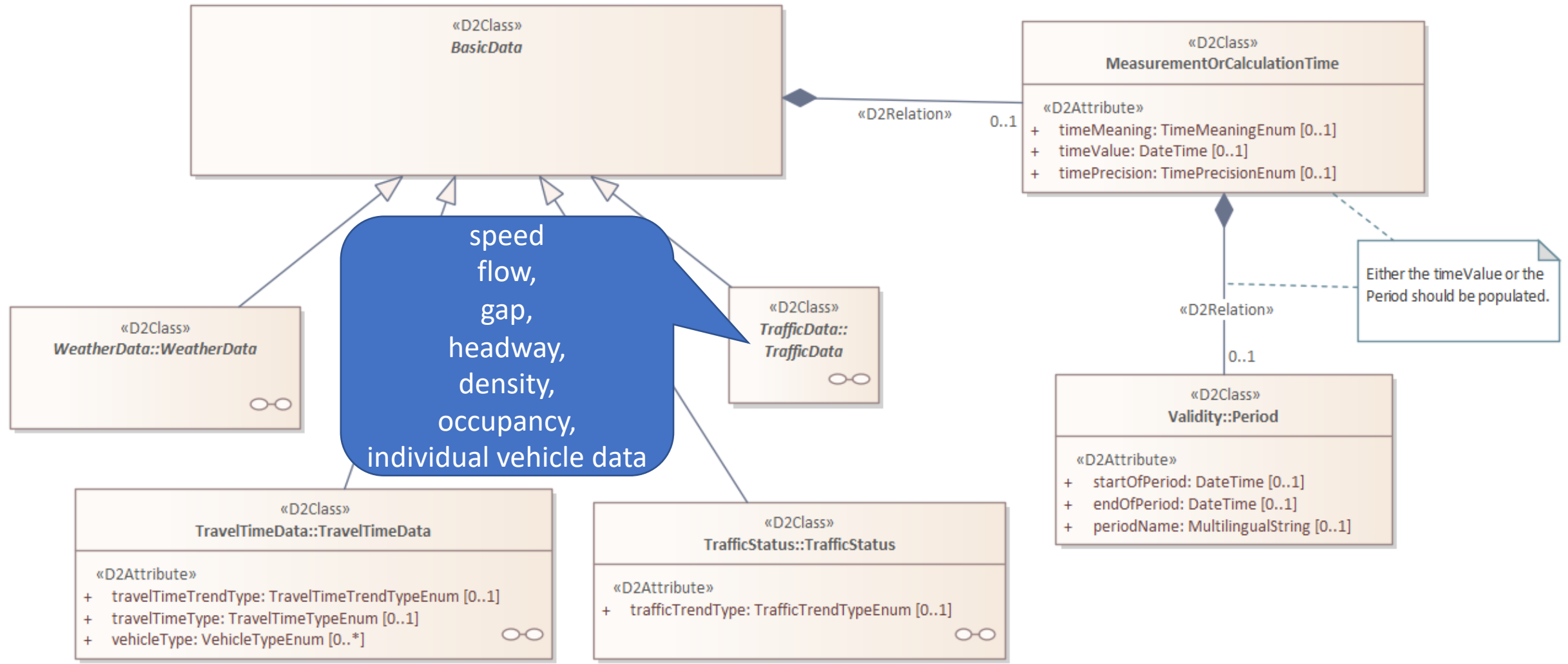
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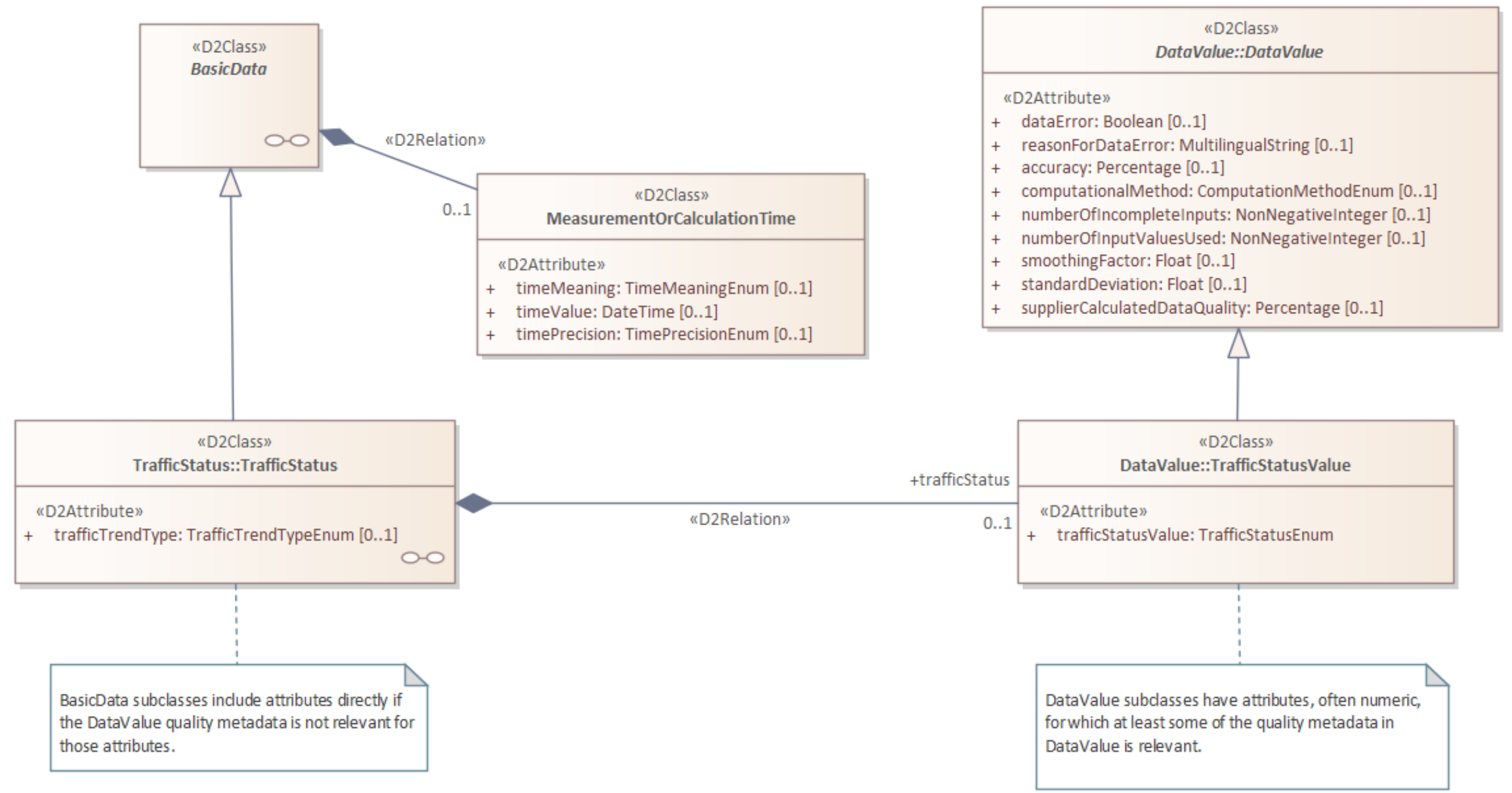


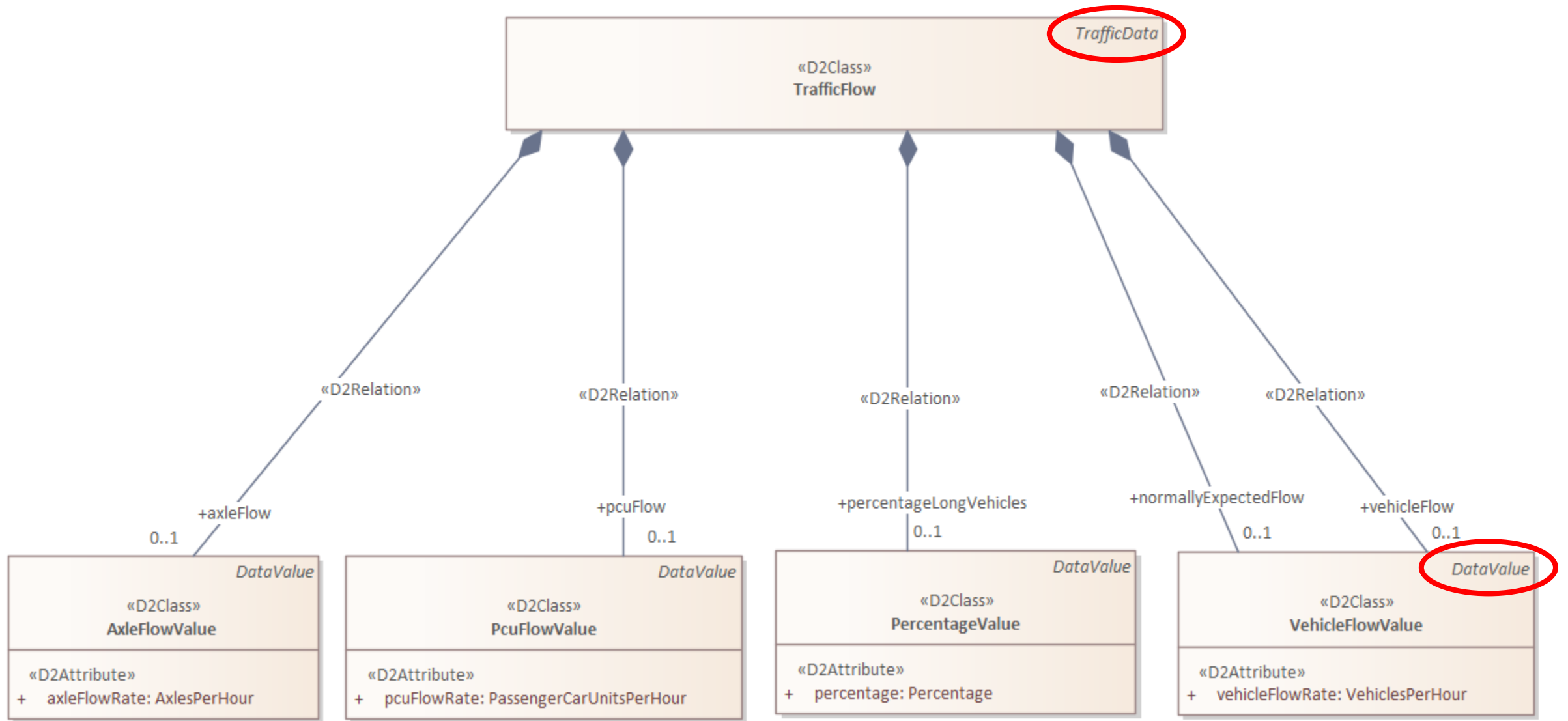






class BasicData and DataValue







# DATEX II

Thank you

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