

# Technical working group TP1

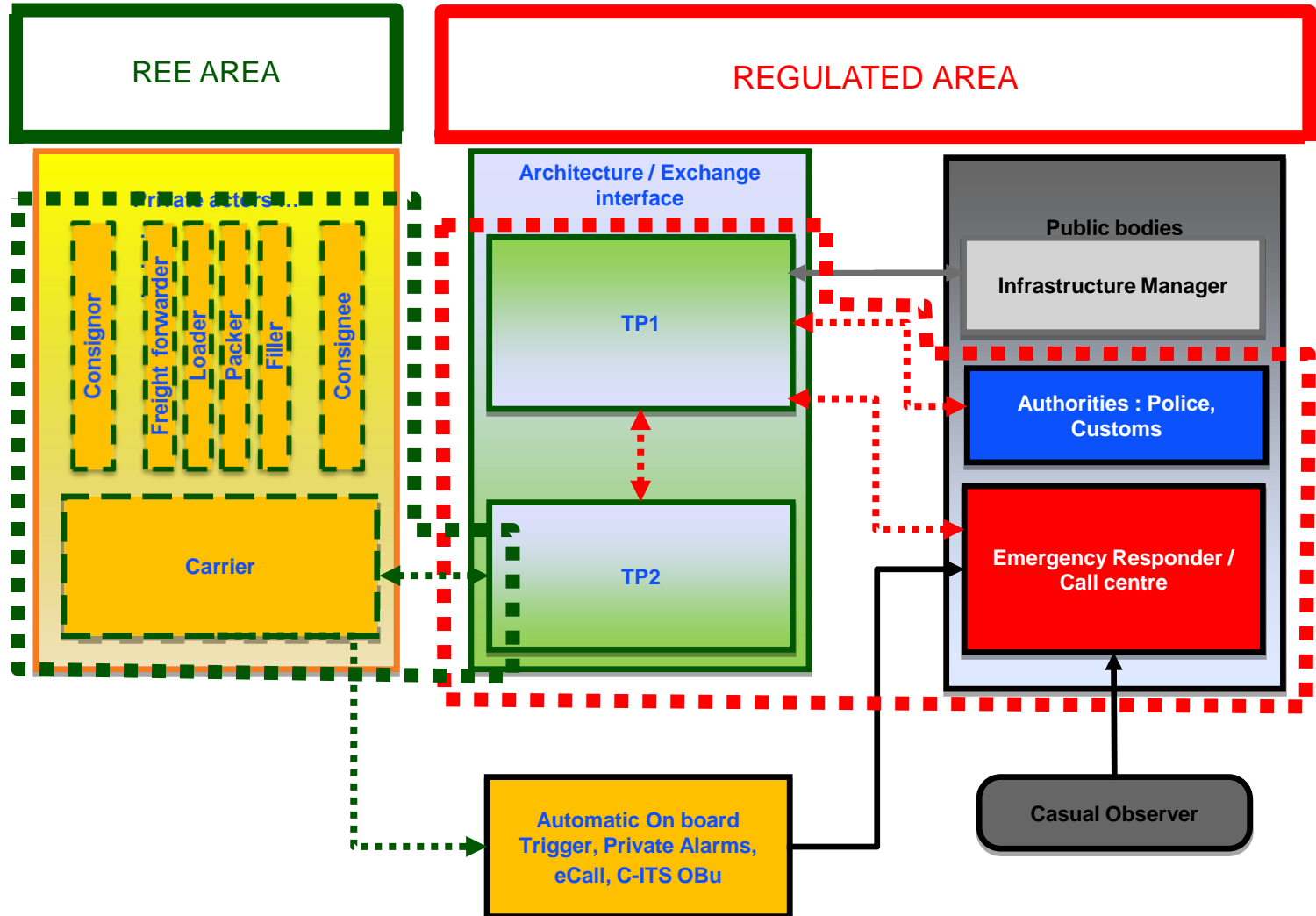
**Presentation and state of play**

# Agenda

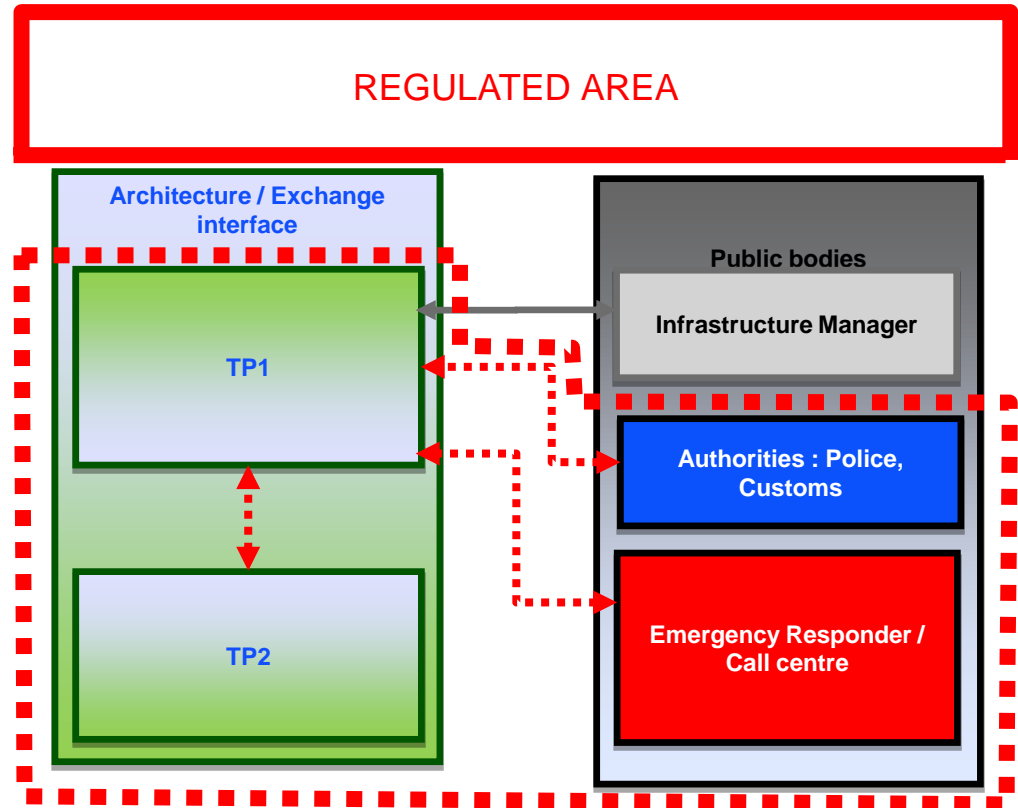
---

- Place of the Technical WG TP1 in front of the general architecture
- Why a Technical WG TP1
- Data Model
- Exchange model
- First outcome of the second meeting
- Step forward

# General overview of the architecture



# Part of the architecture for TWG TP1



# Status of the Technical WG TP1

---

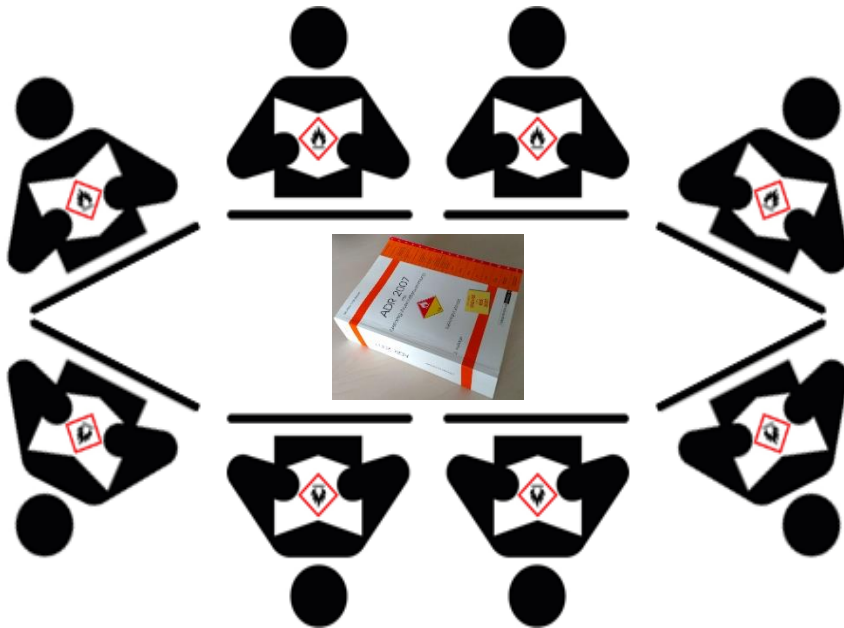


- TP1 is Trusted Party of confidence Level 1 to
  - Connect every registered TP1
  - Register public bodies candidate and listed by public authorities to the architecture
  - Receive and transmit the requests and the responses of the public body for a DG transport
  - Register and agree TP2
  - Register the ID of an on going DG Transport during all its journey
- First meeting was in Roma (07/2017)
- Identified as stand alone WG in Vienna during the Telematic WG of the WP15
- 2d meeting in 12-2018 in Aix-en-Provence
- Proposal for data and exchange model

# Needs of understanding

---

## — Regulatory Framework



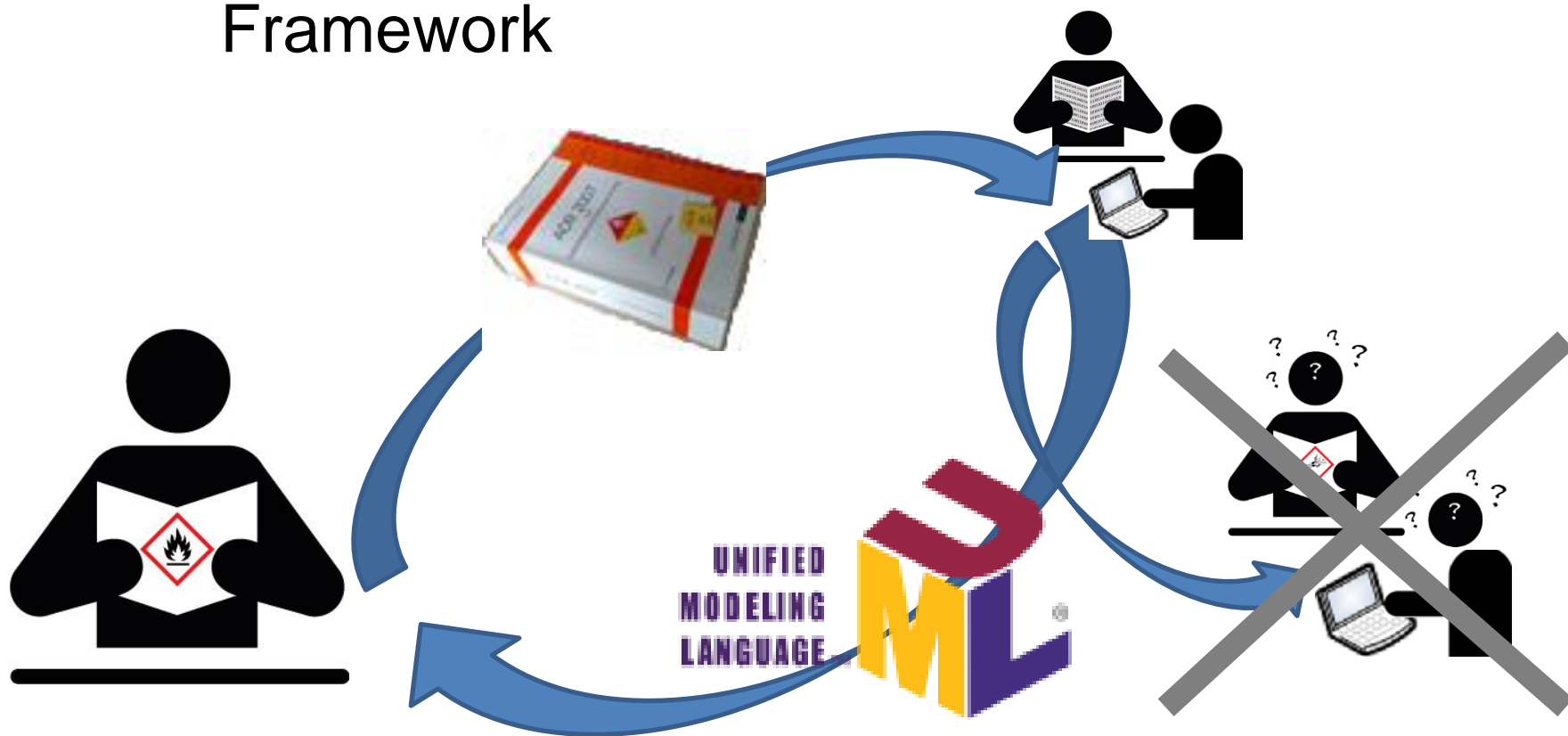
## — IT and software



# Needs of understanding

— Regulatory Framework

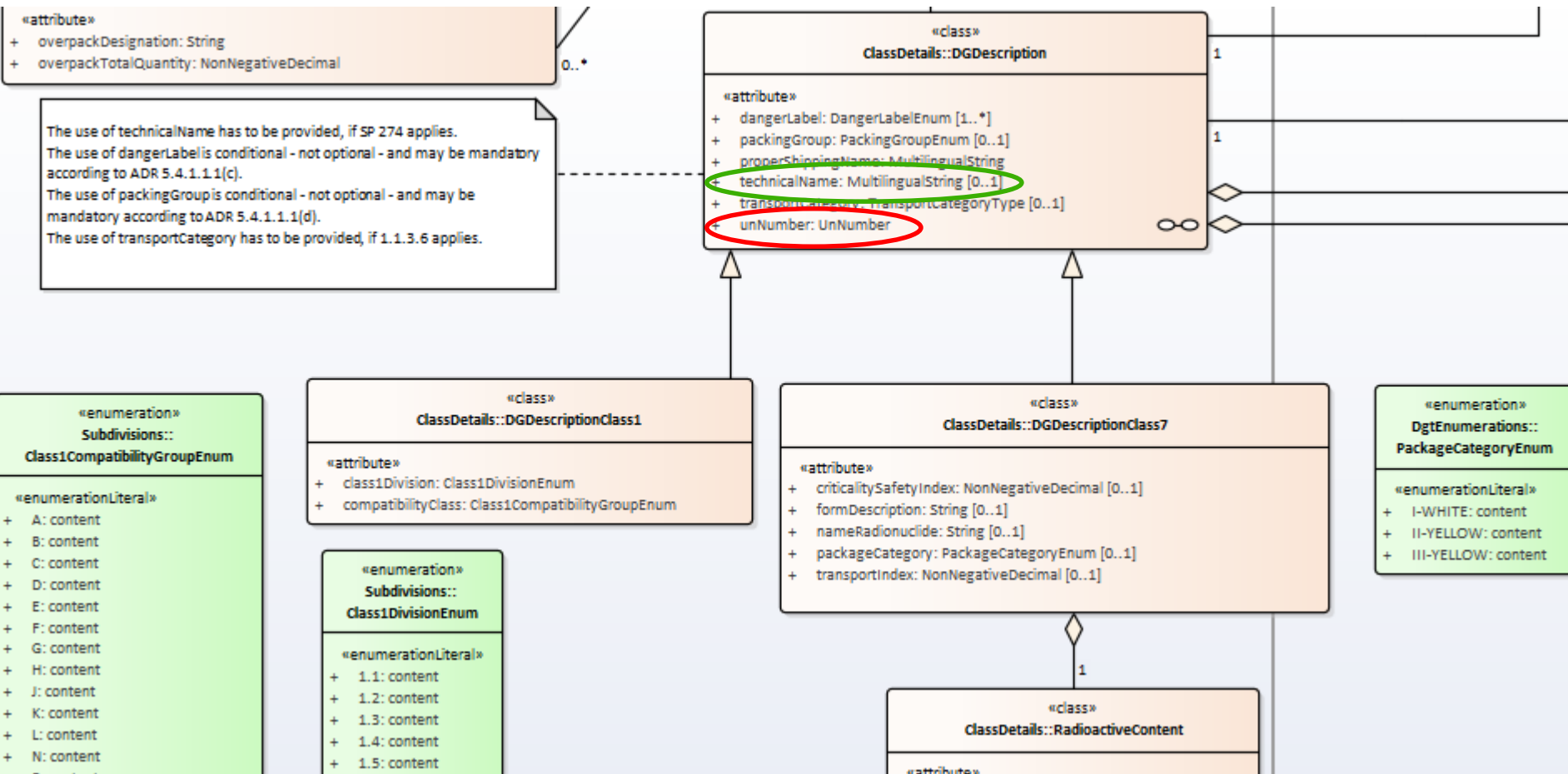
— IT and software



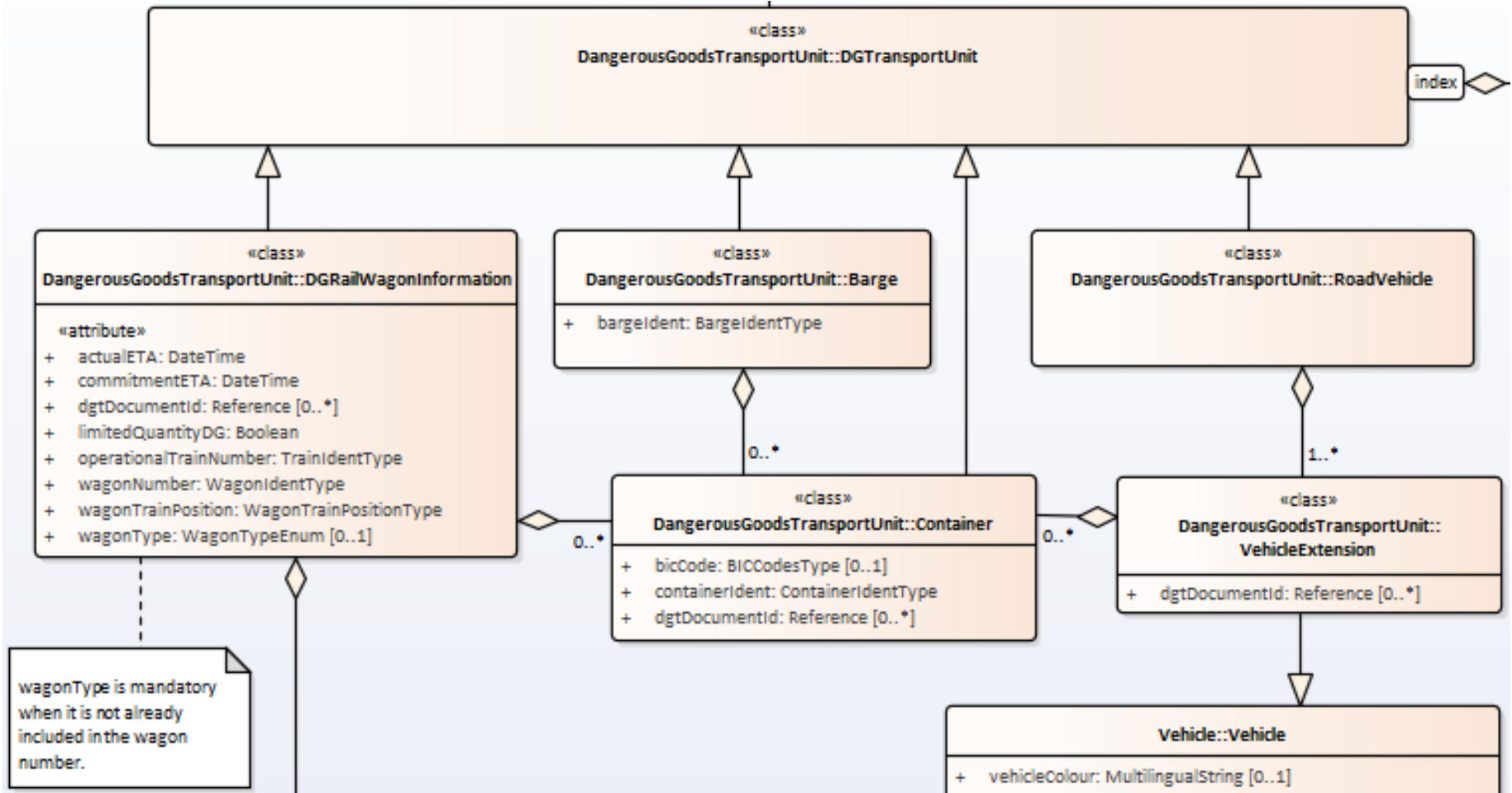




# Data model: UML DG description



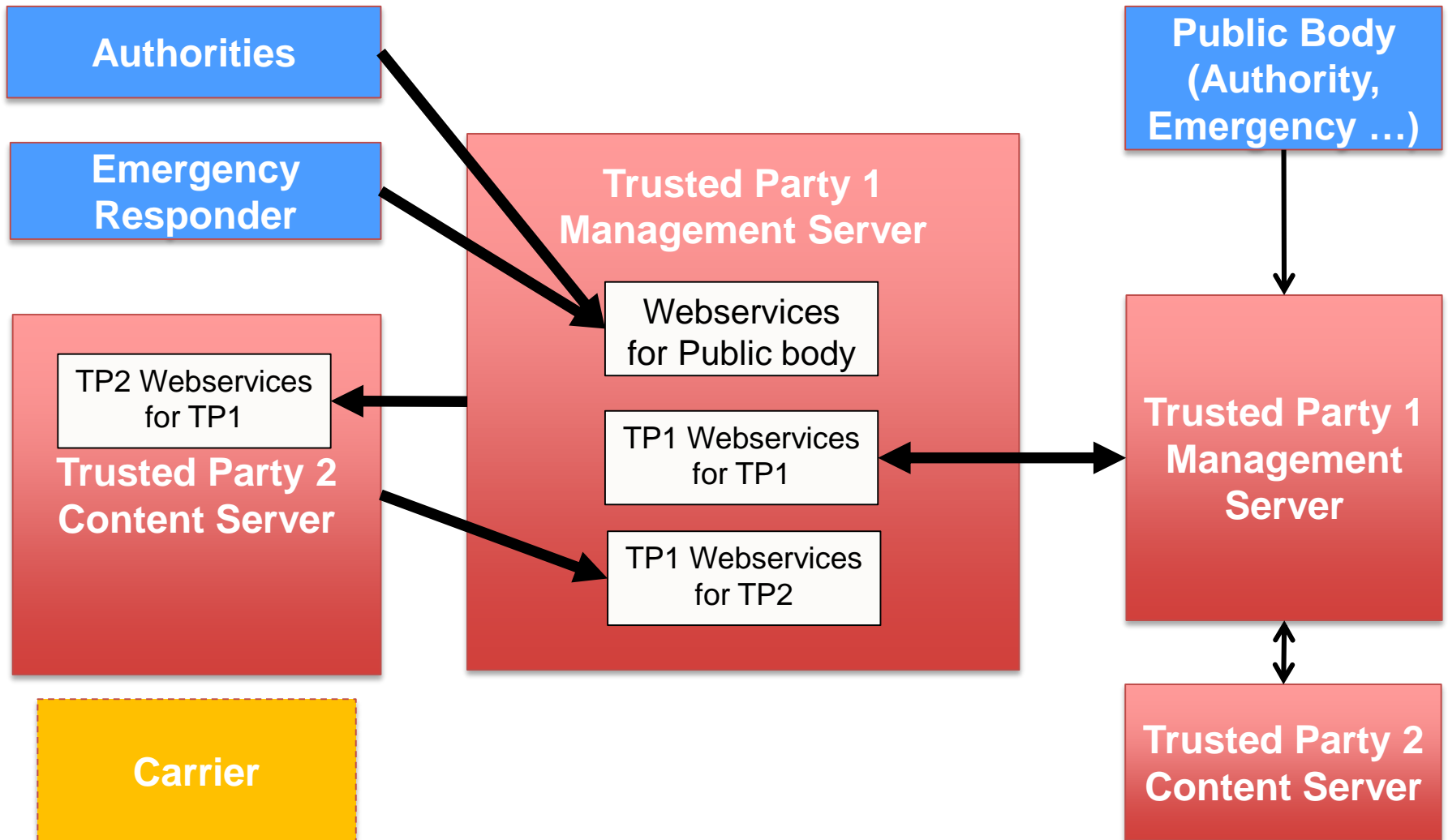
# Data model: UML Transport unit description



# XML Schema DG Description

```
<xs:complexType name="DGDescription">
  <xs:annotation>
    <xs:documentation>???
```

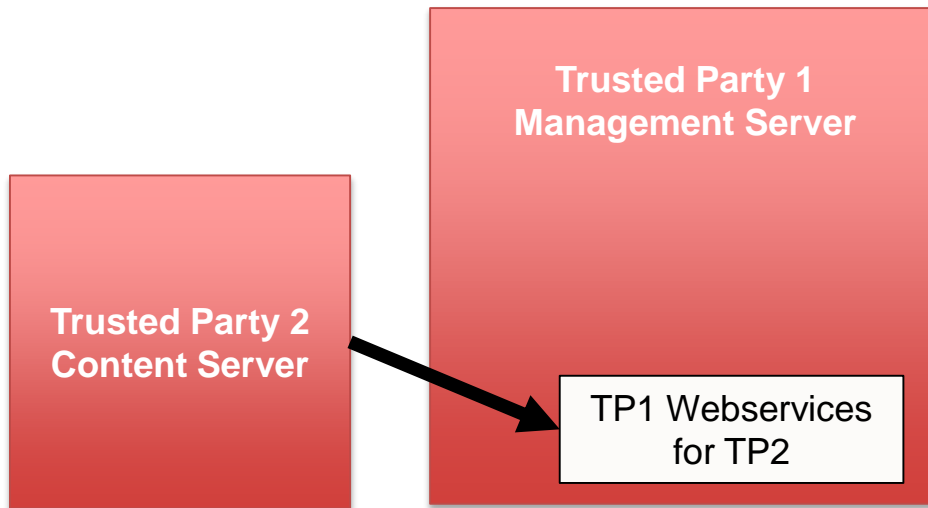
# General View



# TP1 services for TP2

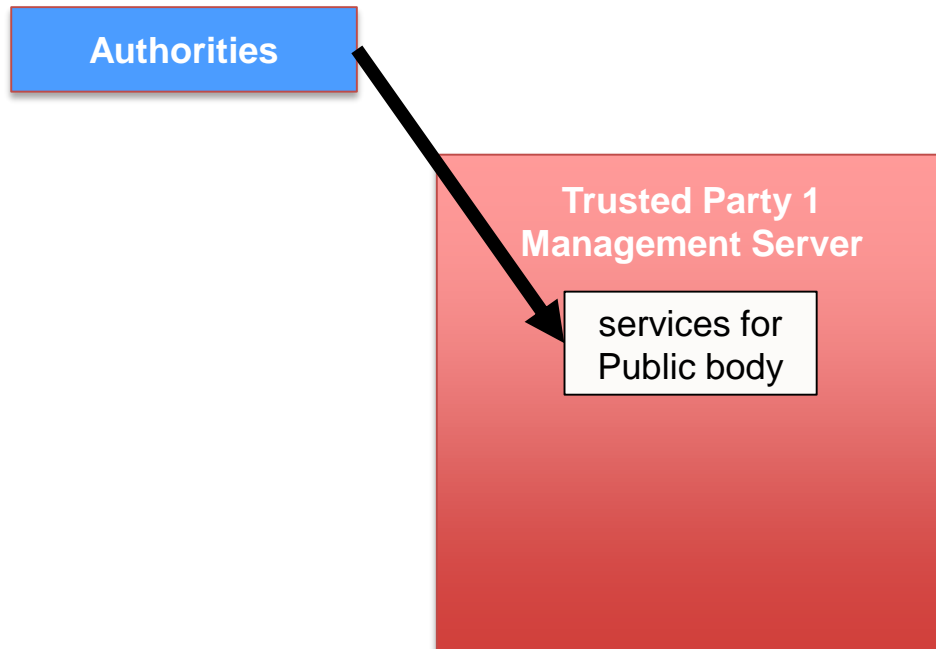
---

- `handleLoadedVehicle` : **To indicate that a DG transport begins or stops**



# Services for Public Body (1)

---



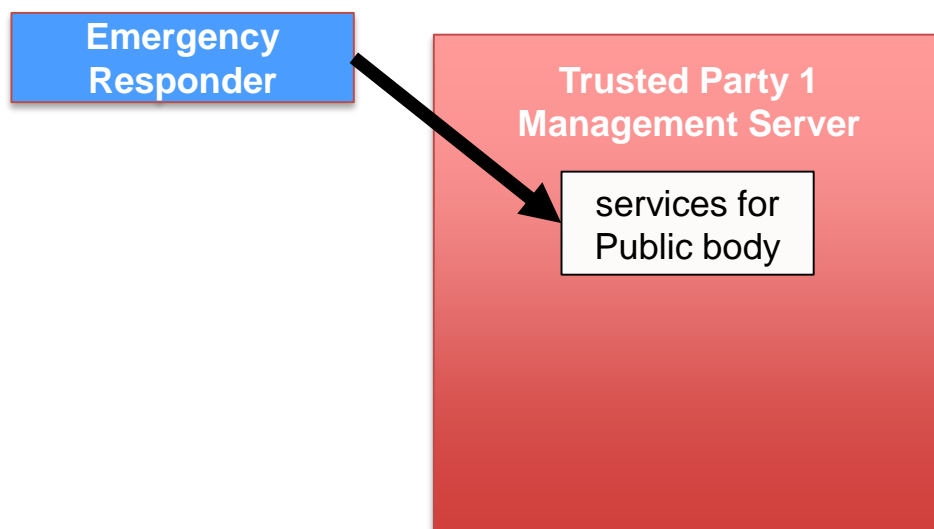
Enumeration value of **request reason**

- emergencyServices
- enforcementBodies
- customs
- infrastructureManagers
- trafficManagers
- statisticsProducers
- preventiveSafety

- getDGTDocument : **For a TP1 to request DGT of an identified transport unit**
- getDGTDocumentWithReason : **For a TP1 to request DGT of an identified transport unit with reason of request**
- getArchiveDGTDocument : **For a TP1 to request archive list of an identified TU**

## Services for Public Body (2)

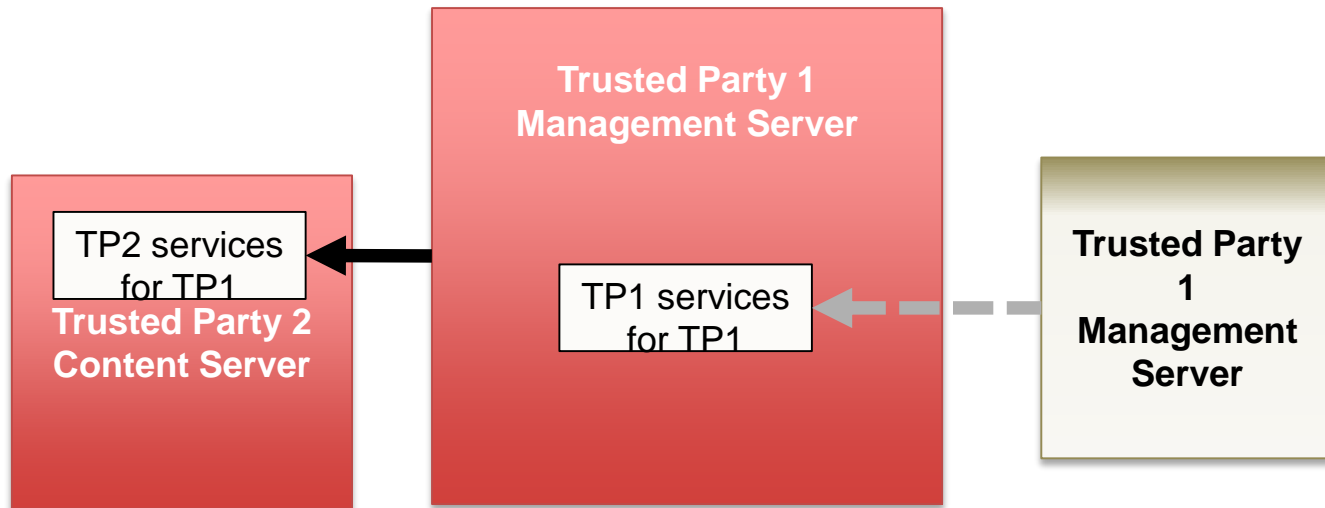
---



- getDGTDDocumentWithReason « emergencyServices »
- getDGTDDocument
- getTransportUnitByArea : **For a TP1 to request the list of TU located in a specified area (circle)**

# TP2 services for TP1

---

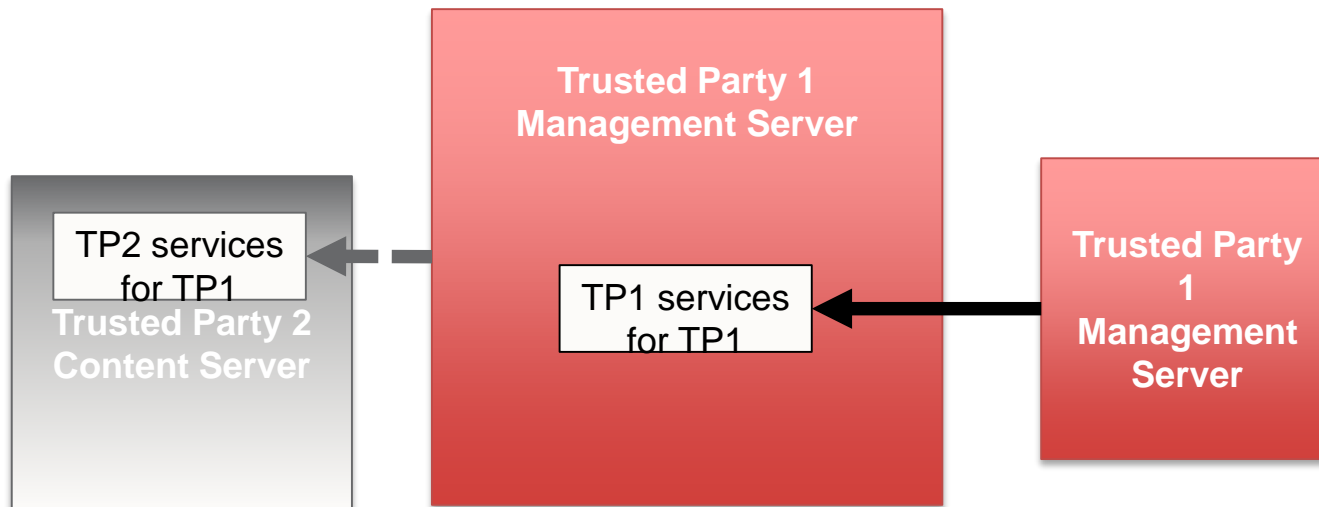


- `getDGTDocumentWithReason`
- `getDGTDocument`
- `getArchiveDGTDocument`
- `getTransportUnitByArea`



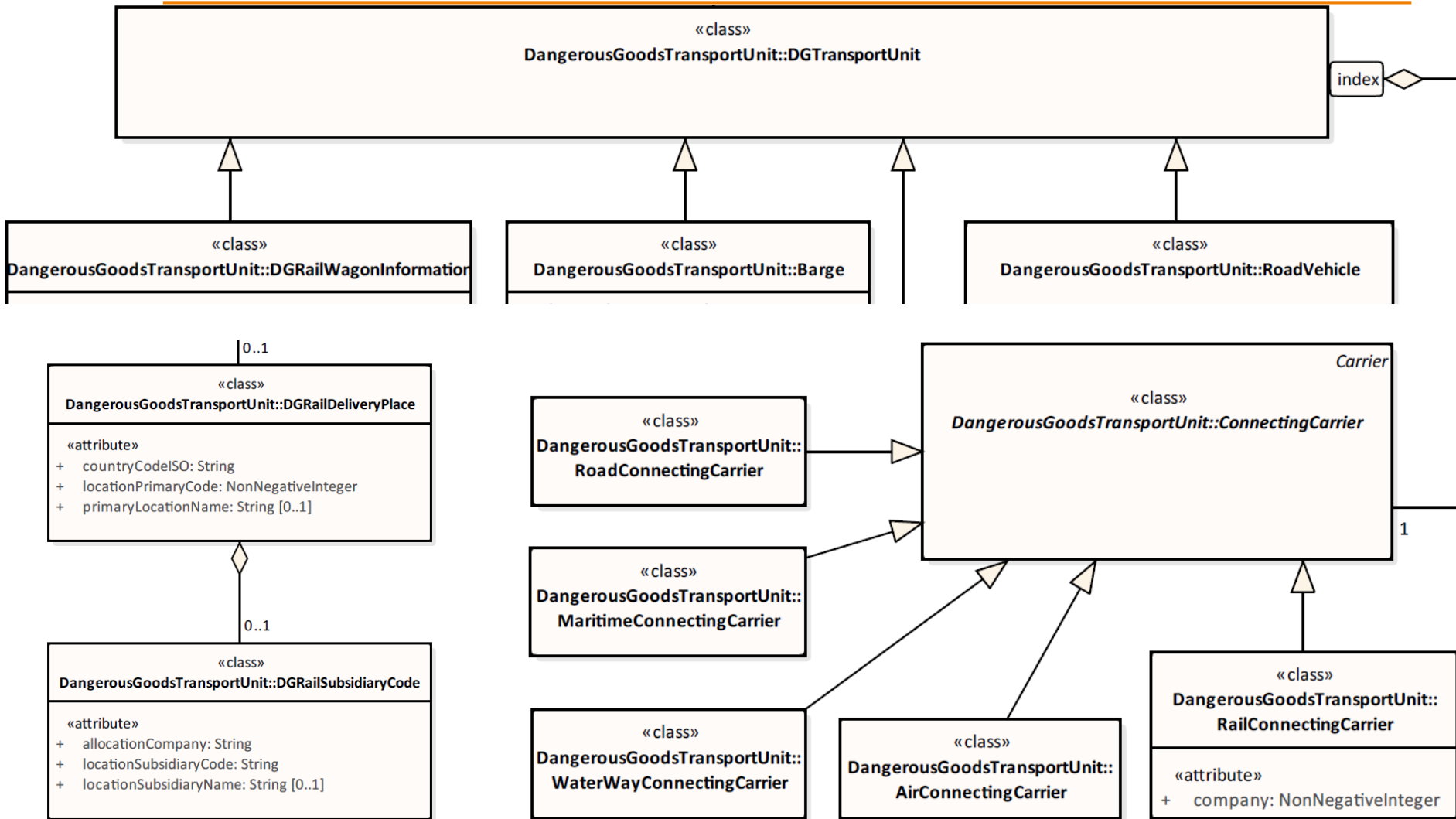
# TP1 services for TP1

---



- `getDGTDocumentWithReason`
- `getDGTDocument`
- `getArchiveDGTDocument`
- `getTransportUnitByArea`

# Link with TAF-TSI and eCMR



# Outcome of Aix-en-provence (1)

---



- The method `getDGTDocument` will integrate 2 new attributes:
  - The name of the competent authority which requests the document
  - The country of the competent authority which requests the document

# Outcome of Aix-en-provence (2)

---



- For road transport, 3 attributes are needed for a single part of a transport unit (a tractor and its trailer are seen as 2 single parts):
  - Country of registration
  - Identification plate number (used of human observer)
  - VIN (used for automatic alert especially to ensure the interoperability with eCall standard)

# Outcome of Aix-en-provence (3)

---



- The principles for archive are:
  - Authorities request archive when they are managing controls at office.
  - This requests covers maximum 3 months.
  - The response from the TP1 will be the list of active transport within the requested period for one transport unit. The list is based on the transports which have ended within the period or are still ongoing.

# Outcome of Aix-en-provence (4)

---



- A TP1 sent a request received from an authority and transmits it to other TP1.
- 5 responses from other TP1 are possible:
  1. The eDGT document(s) are sent back
  2. The eDGT document(s) could be available but due to geofencing error the TP2 does not deliver it or them
  3. The TP2 was out of service
  4. This transport unit is unknown
  5. Time out due to no response of the requested TP1

# Outcome of Aix-en-provence (5)

---



- The TP1 which receives the request from the authority, compiles the responses of the other TP1 and add its own response:
  1. The eDGT document(s) are sent back
  2. The eDGT document(s) could be available but due to geofencing error the TP2 does not deliver it or them
  3. The TP2 was out of service
- These errors must be logged as transaction logs.
- These translation logs would be used for supervision of the architecture with reports to the competent organisation on a periodic basis.

## Next step

---

- Report to the Telematic WG tomorrow
- Administrative organisation of the Technical Working Group TP1
- First experimentation and deployment in line with country decision



# Thank you for your attention

---

Questions ?

---

[Jean-philippe.mechin@cerema.fr](mailto:Jean-philippe.mechin@cerema.fr)