

**Economic Commission for Europe**

**Inland Transport Committee**

**Working Party on the Transport of Dangerous Goods**

**Joint Meeting of the RID Committee of Experts and the**

**Working Party on the Transport of Dangerous Goods**

Bern, 14–18 March 2016

Item 6 of the provisional agenda

**Reports of informal working groups**

**4 January 2016**

**Report of the informal working group on telematics  
(Bordeaux, 6 – 8 October 2015)**

**Presentations used during the Working group – TAF TSI Interface -  
Analysis (ERA)**



ITS World Congress - Working Group on the use of Telematics in the  
Transport of Dangerous Goods

**TAF TSI Interface - Analysis**

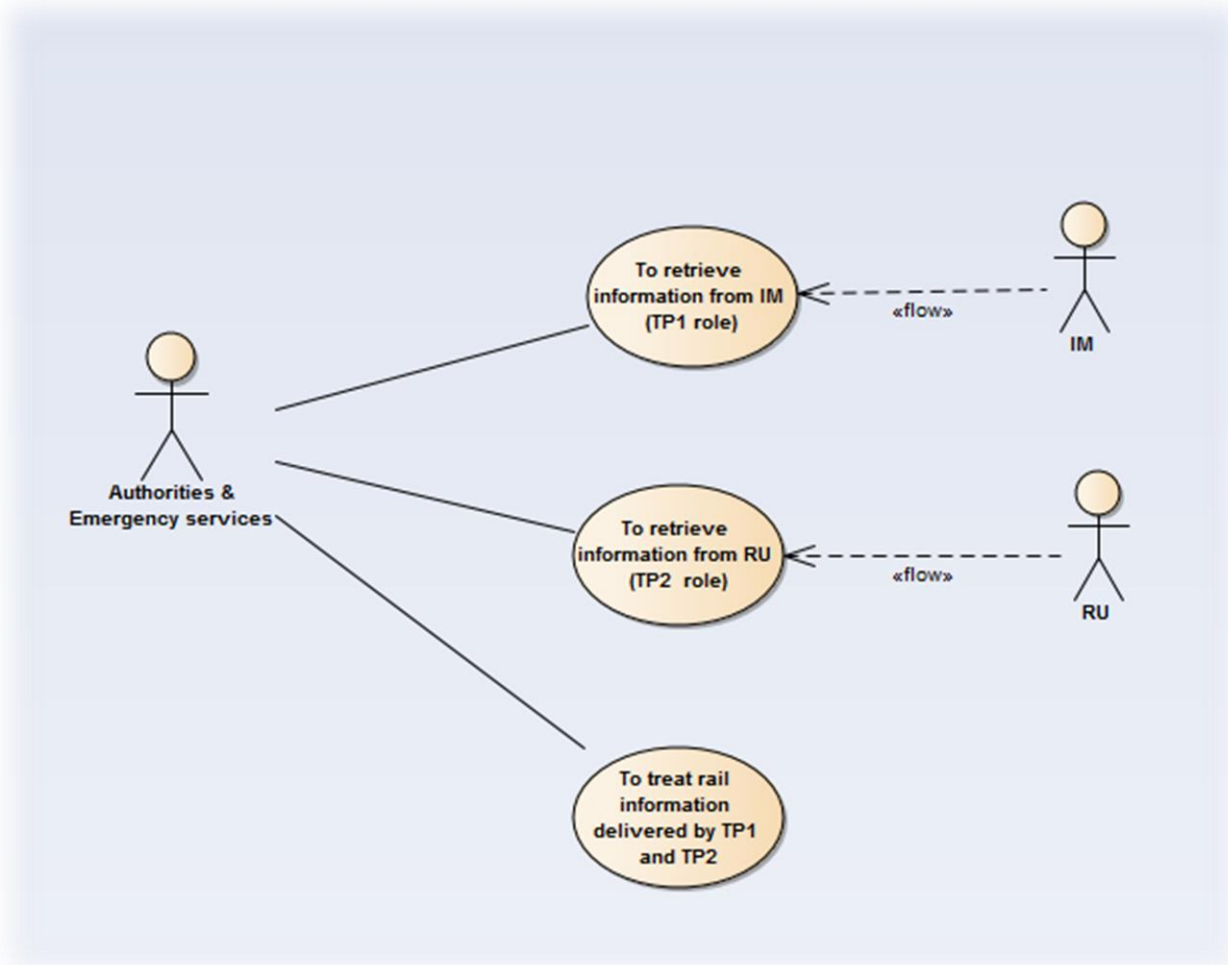
Bordeaux, 06/10/2015 – 08/10/2015

Rodrigo Gutierrez Dominguez – ERA Telematics Team

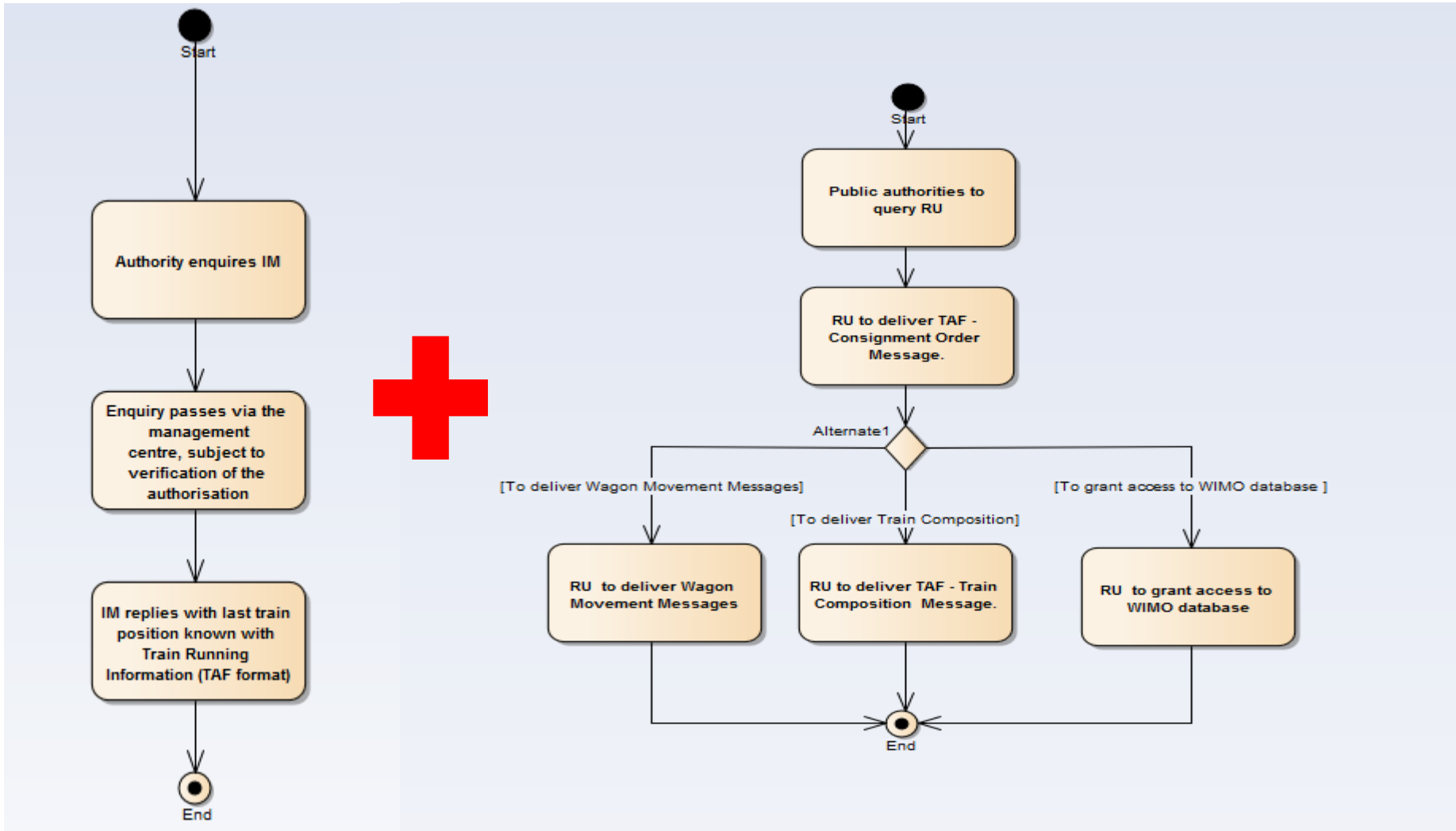
## **Objective:**

To assess the potential interfaces between TAF TSI and the Emergency Systems

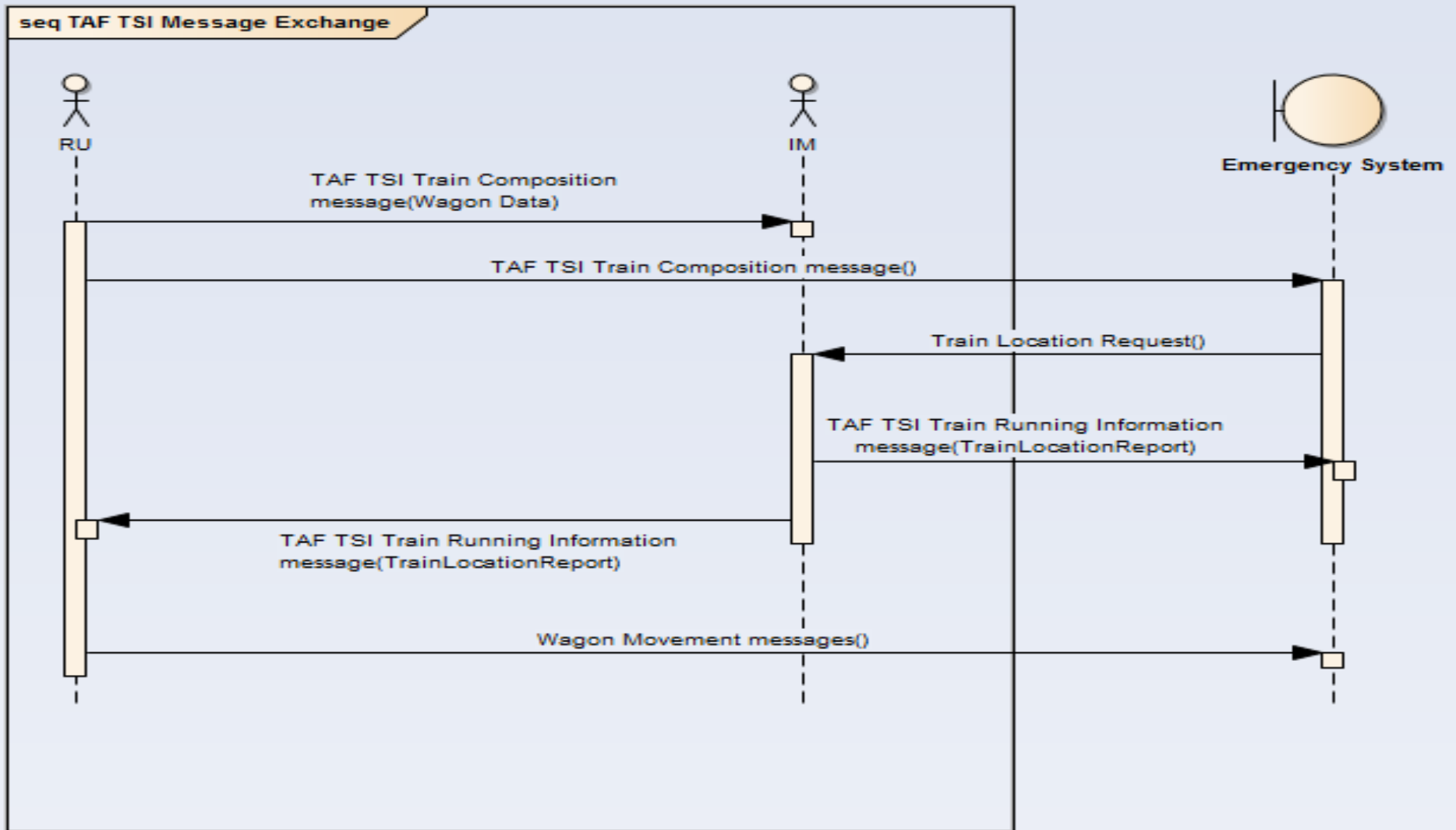
## 2. Use Case Model



# 3. Activity Diagram

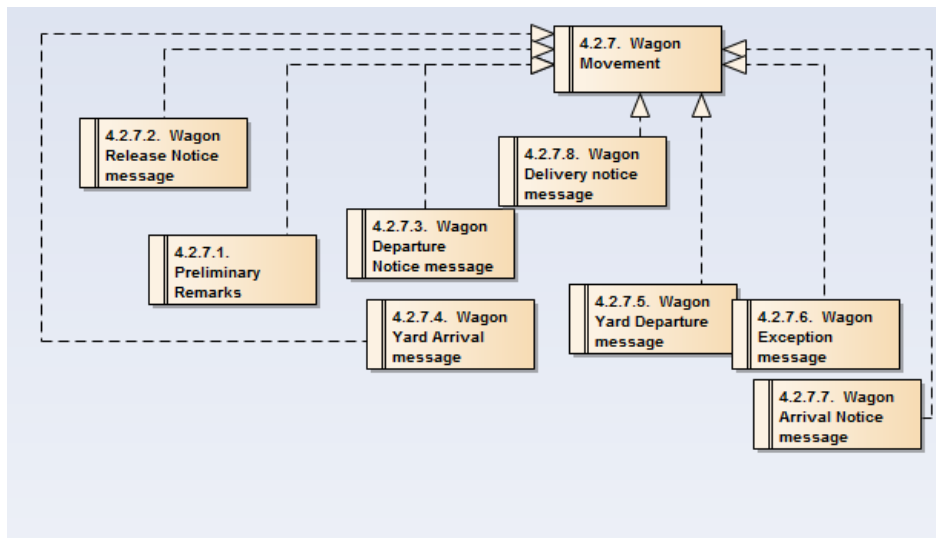
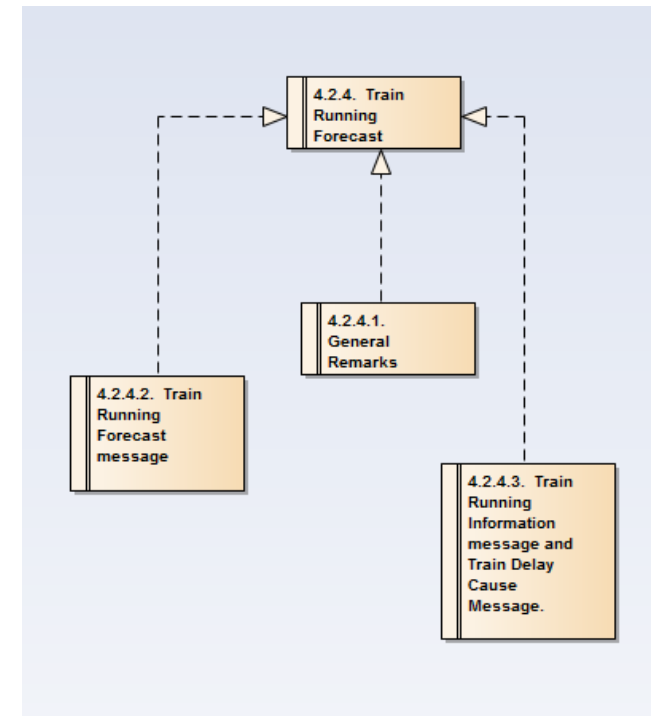
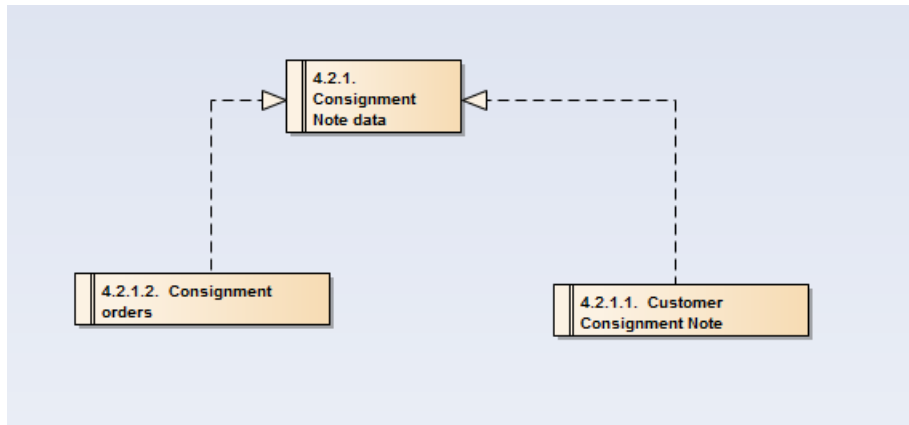


# 4. Sequence Diagram



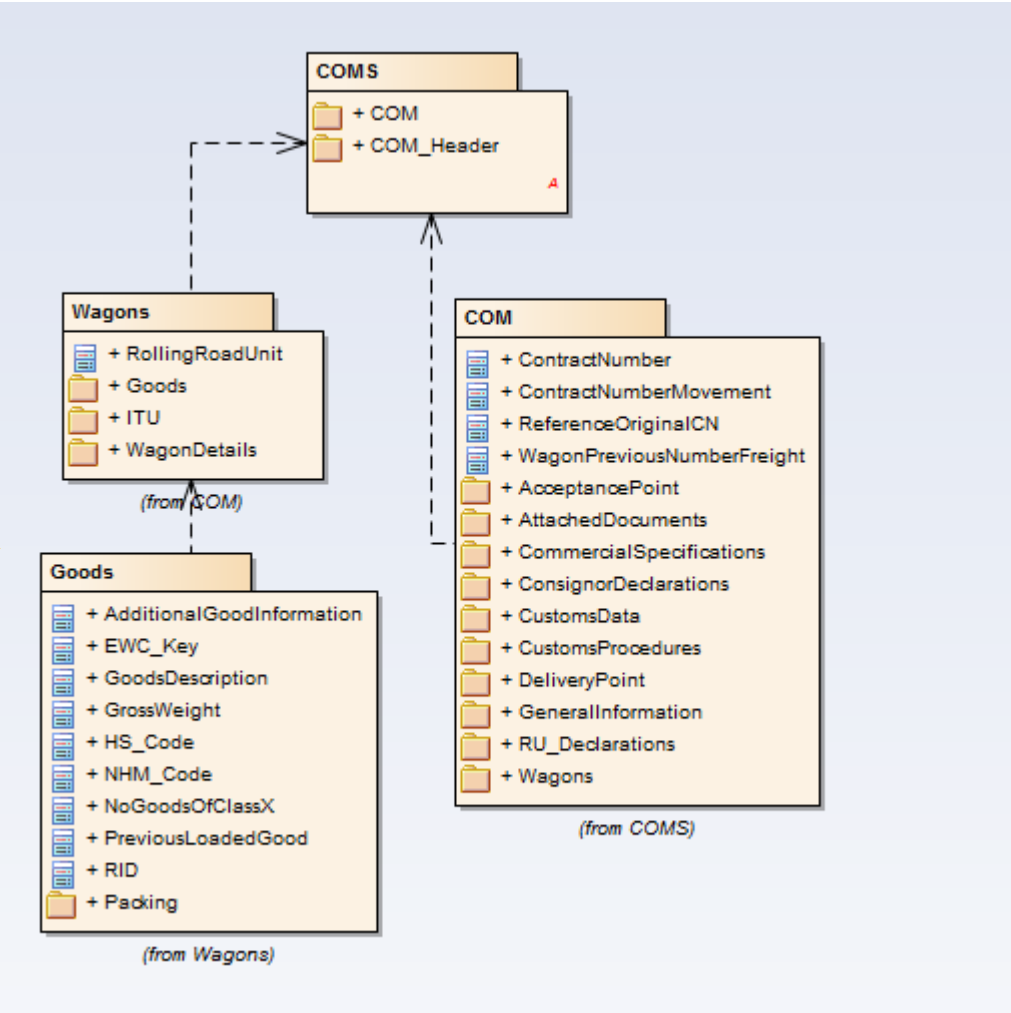
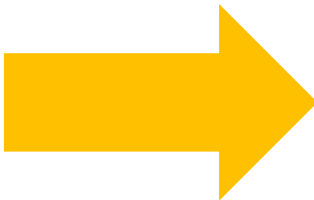
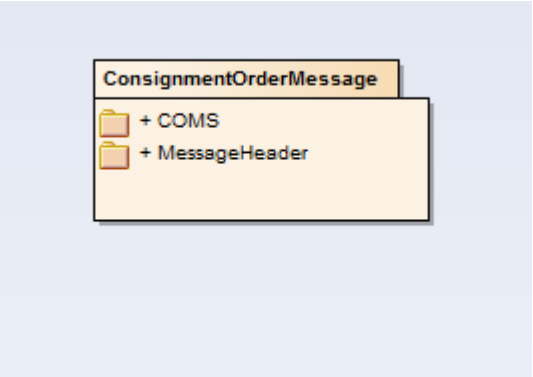
- **Advantages:**
  - ✓ Minimum impact on TAF TSI deployment (on-going).
  - ✓ In line with future intermodal developments envisaged by EC.
  - ✓ Shorter period to become operational.
  - ✓ It may be compatible with Pull service.
  - ✓ In Railways it may not be needed that every enquiry to pass via the management centre (TP1).
  - ✓ In line with requirements for Train Composition information in TAF TSI and TSI Operation and Traffic Management.
  - ✓ Consignment Order message contained all the information requested in RID.
  - ✓ Conversion from TAF format to proprietary one using the TAF TSI Common Interface

- TAF TSI messages:**





# 6. Data Model

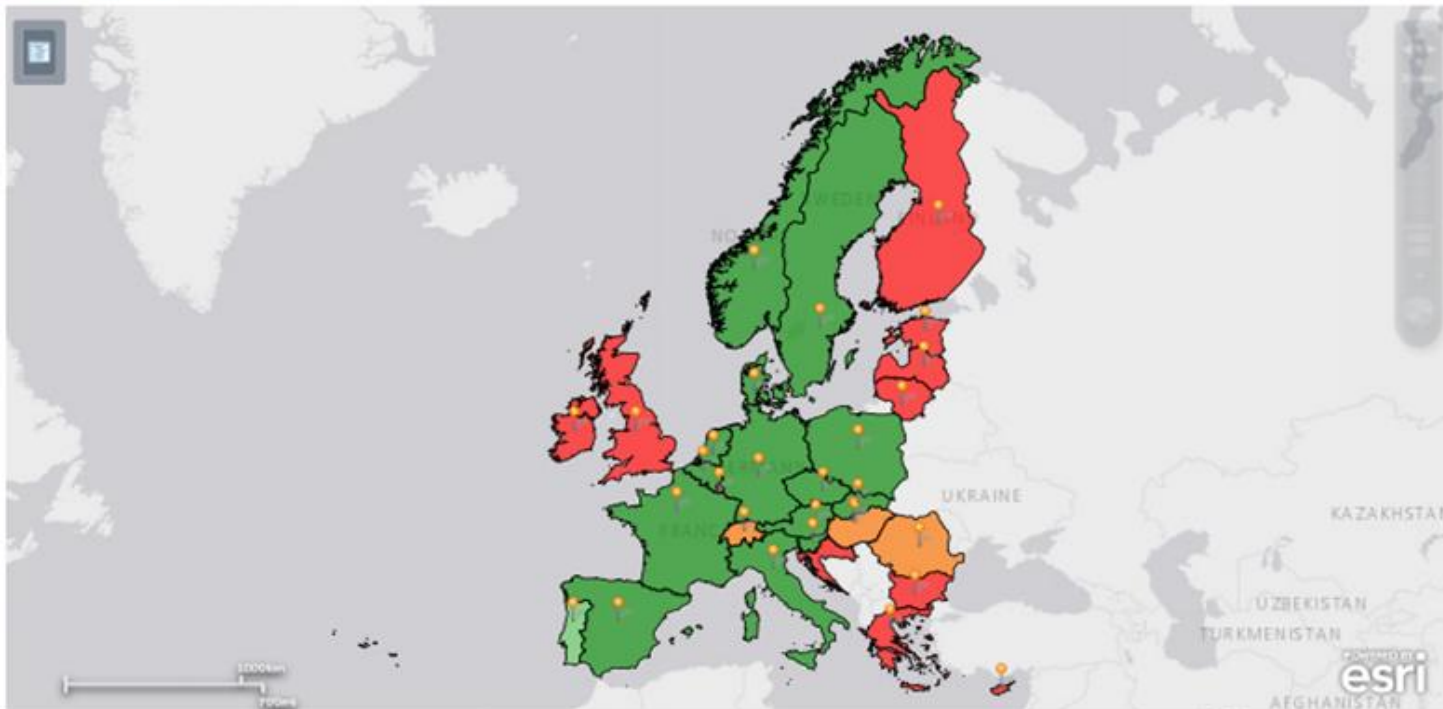


# 7. Function Status – Train Running Information function map

- **Target Master Plan by mid-2015:**

- **55% degree of implementation in 2014 and 62% degree of implementation (DI) in 2015 for Infrastructure Managers and**

ArcGIS Map Web Part



ERA TAF Cooperation  
Functions Map Legend :

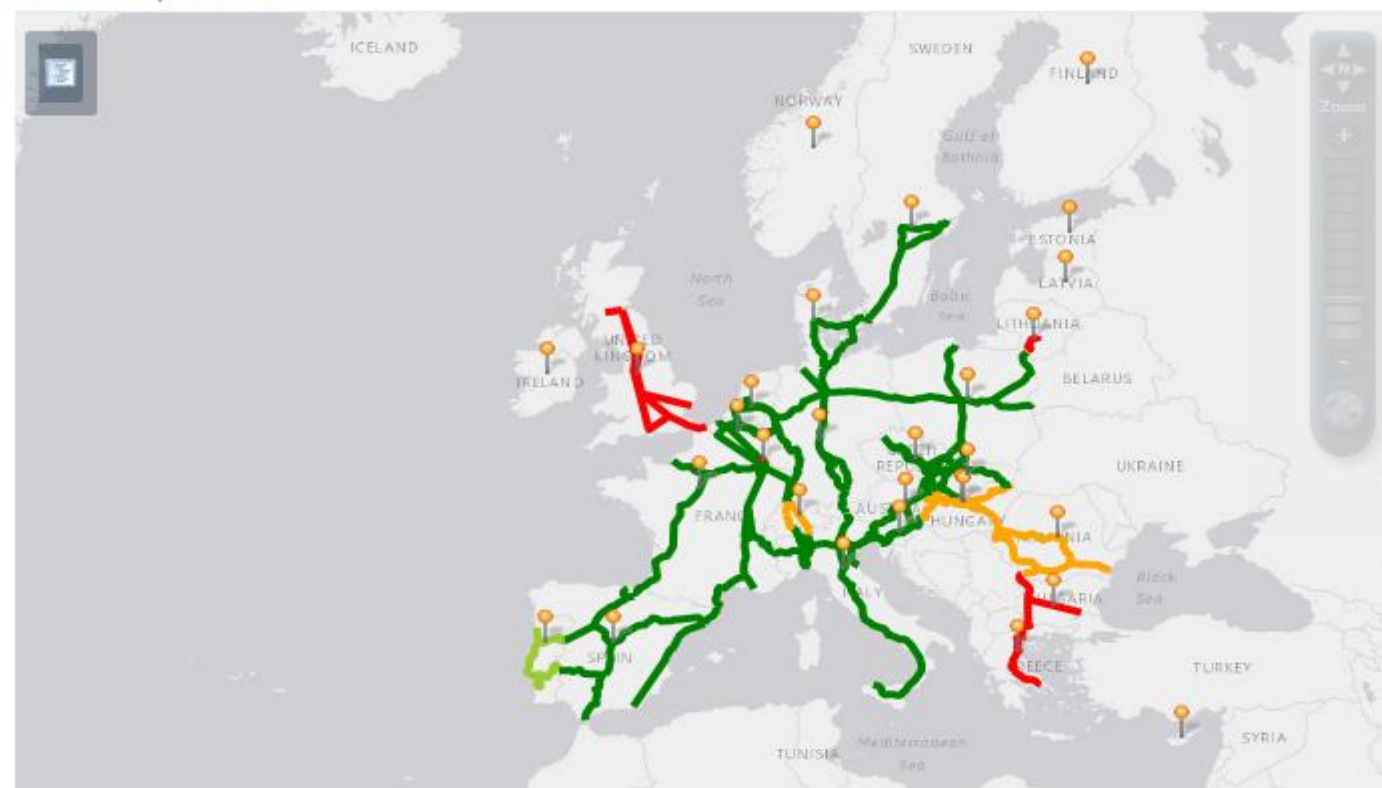
■	No Data
■	DI < 25 %
■	25% =< DI < 50%
■	50% =< DI < 75%
■	75% =< DI < 100%

# 7. Function Status – Train Running Information function corridor map


- **Target Master Plan by mid-2015:**

- **55% degree of implementation in 2014 and 62% degree of implementation (DI) in 2015 for Infrastructure Managers (CORRIDOR VIEW)**

ArcGIS Map Web Part



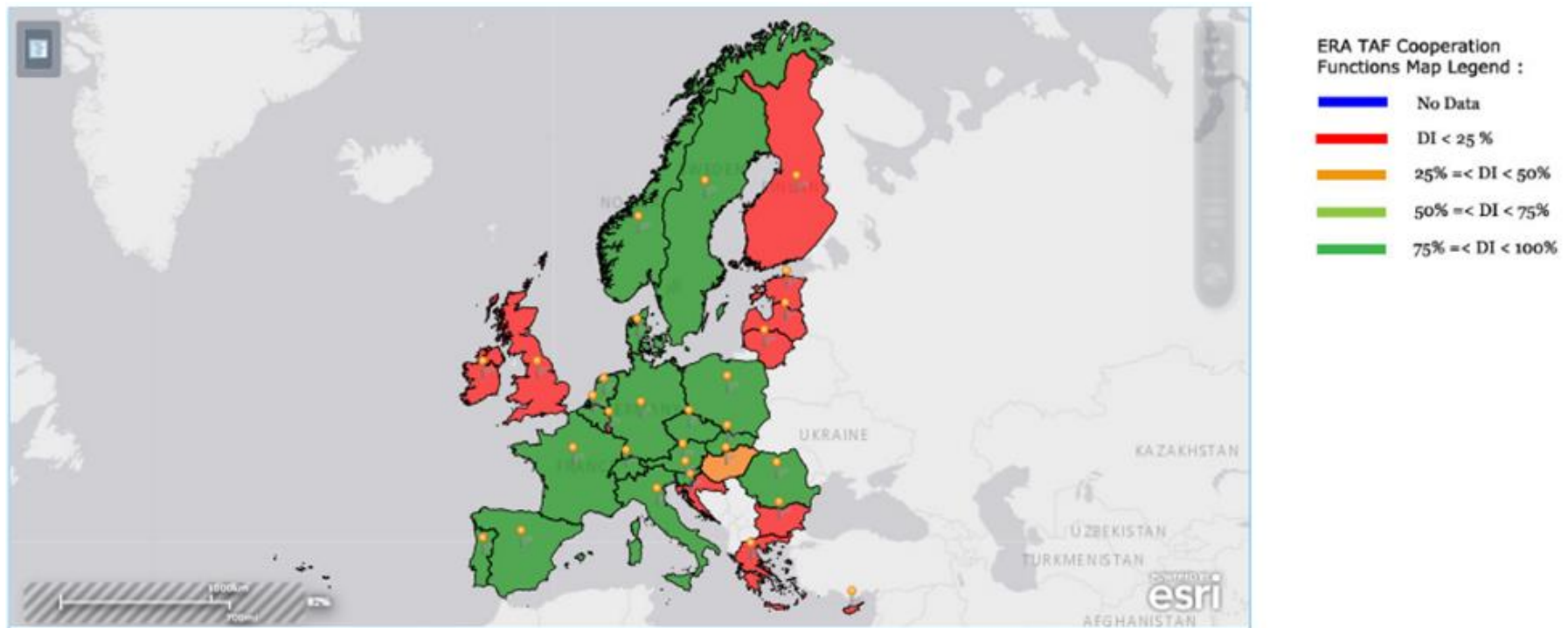
ERA TAF Cooperation Functions Map Legend :

	No Data
	DI < 25 %
	25% ≤ DI < 50%
	50% ≤ DI < 75%
	75% ≤ DI < 100%

## 7. Function Status –Wagon and Intermodal Unit Operational Database (WIMO) function map

- **Target Master Plan by mid 2015:**

- **28% degree of implementation (DI) by 2014 for the Railway Undertakings and 39% degree of implementation (DI) by 2015.**



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