**Objective**

Telematics applications ensure constant interfaces and dialogue between the train and the infrastructure at all stages of the process. The interchange of information between the Infrastructure Manager (IM) and the Railway Undertakings (RU) is essential to make telematics successful. Telematics are composed of two systems and regulations:

- **Regulation (EU) 2016/527 on the Technical Specification for Interoperability relating to ‘telematics applications for passenger services’ (TSI TAP)** which aims at improving communications among railway actors and towards passengers;

**Involvement of Infrastructure Manager**

IMs modify and deploy new IT tools for adapting the legacy systems to the telematic applications TAF-TAP requirements. IMs’ IT strategies and deployment plans are therefore aligned with the EU Agency for Railways (ERA) requirements. With an increasing number of actors involved in the use of telematics, they also define strategies, priorities and mandatory needs considering the wider IT systems landscape. IMs also collect millions of data per day, and invest in digitalisation to improve predictive maintenance of fixed installations and optimise their network performance.

**EIM in action**

- EIM and its members are involved in several telematic platforms of the European Commission and ERA;
- EIM’s TAP-TAF Working Group (TAP-TAF WG) participates in these platforms and shares best practices between IMs;
- EIM cooperates with **RailNetEurope (RNE)**, which is in charge of the deployment of the necessary IT tools for telematics together with EIM members.
- EIM is involved in the **Joint Sector Group (JSG)** and the EC Steering Committee.
EC Regulation (EU) 2016/527
INTEROPERABILITY OF TELEMATICS APPLICATIONS FOR PASSENGERS

PUBLICATION
4th April 2016

ENTRY INTO FORCE
24th April 2016

DELIVERABLES OF RAIL INFRASTRUCTURE MANAGERS

Common Interface and Reference files
Board device display
Train running information, interruption and forecast
Automatic voice and announcement
Train ready
Short-term timetable data and estimated time of arrival

NEXT REVISION
Ongoing since April 2017

EC Regulation (EU) 1305/2014
INTEROPERABILITY OF TELEMATICS APPLICATIONS FOR FREIGHT

PUBLICATION
1st January 2015

ENTRY INTO FORCE
1st January 2015

DELIVERABLES OF RAIL INFRASTRUCTURE MANAGERS

Common Interface and Reference files
Train running information and interruption
Train ready
Short-term timetable data and estimated time of arrival

NEXT REVISION
Ongoing since October 2018