



# Welcome

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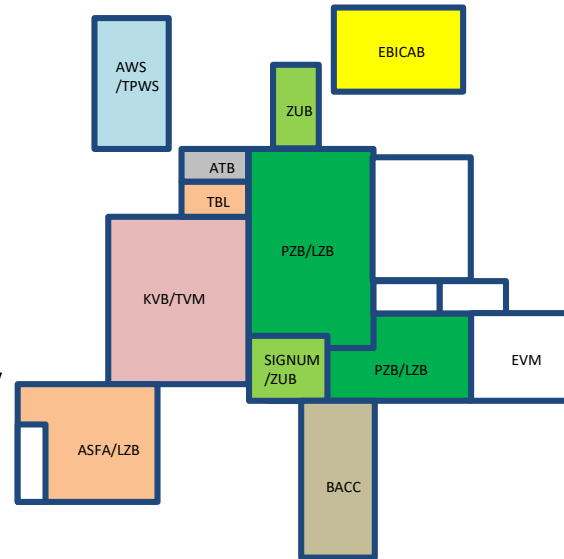
Executive Director  
European Union Agency for Railways

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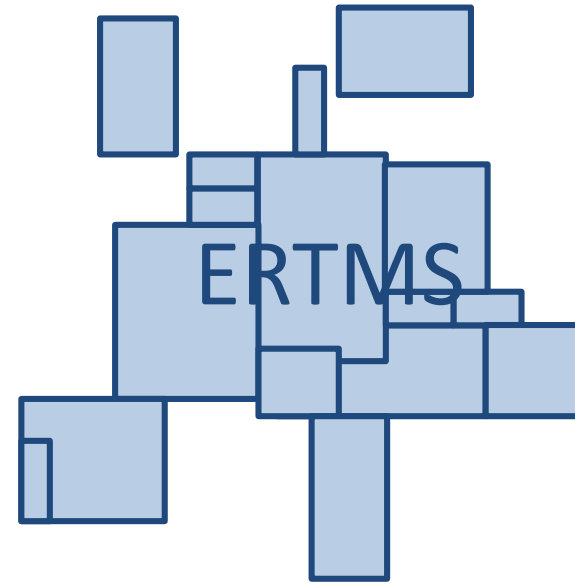
# ERTMS is Ready For Europe – Overcoming the Obstacles

## Fragmented national railway systems

- National supplier oligopolies (captive)
  - obsolescence
- Cross-border:
  - change of locomotive
  - multiple systems fitted
- Limitations in terms of functionality and safety



## Single European Railway Area



## Clear goals

Seamless train operation without borders (caused by signalling)

At best economic conditions (optimum NPV)

