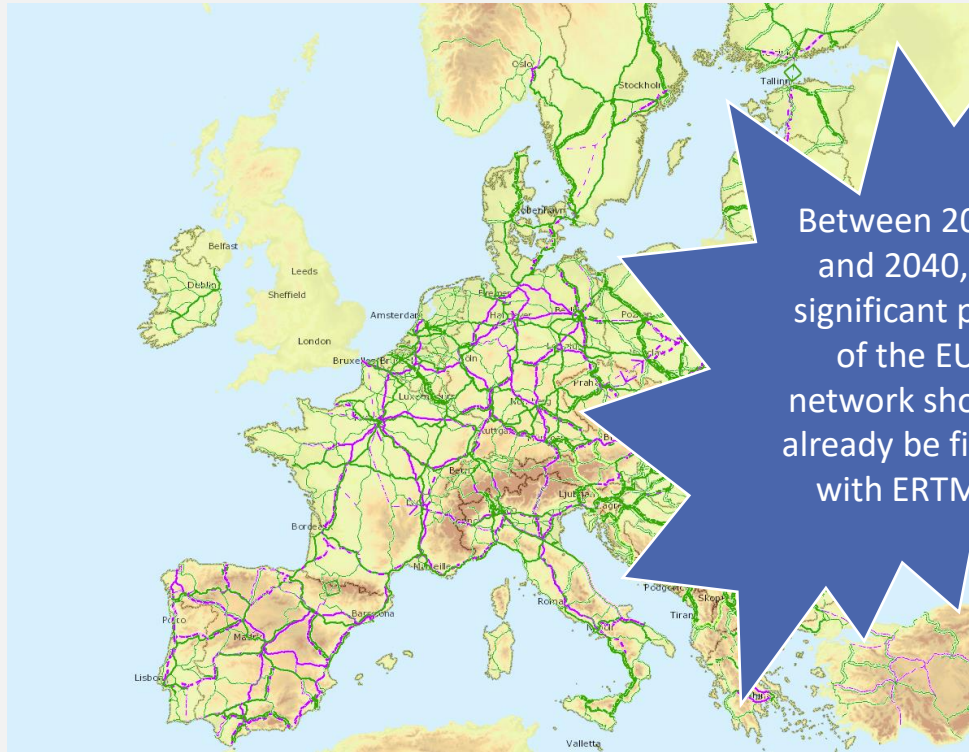


# Why Europe Needs ERTMS?



Between 2030  
and 2040, a  
significant part  
of the EU  
network should  
already be fitted  
with ERTMS

Operator

**ERTMS**

Infrastructure

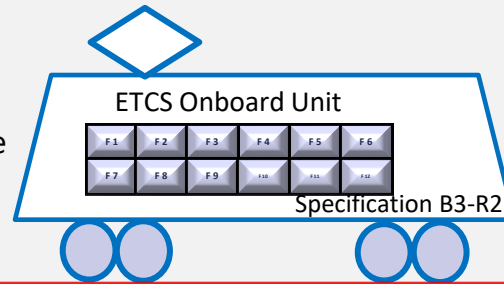
Technical and operational  
interoperability (end-to-end)

Industrialised products

# The "E" in ERTMS - Compatibility is Vital

## Full Specification Compliance

ETCS-only able to run anywhere in Europe



Operator

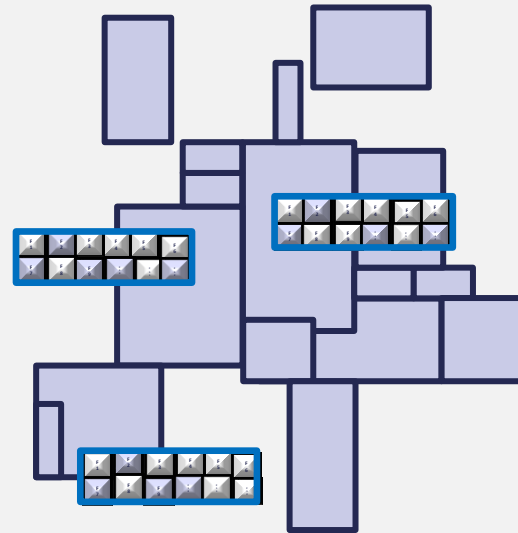
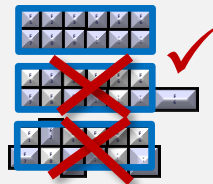
Operator
<b>ERTMS</b>
Infrastructure

**A compatible onboard can safely operate on any compatible section of infrastructure, with acceptable performance (2016 MoU)**

## Compatibility Platform on Trackside



 ETCS Function



Infrastructure

The European Union Agency for Railways is the **System Authority** for ERTMS

# Evolution of ERTMS Specifications

