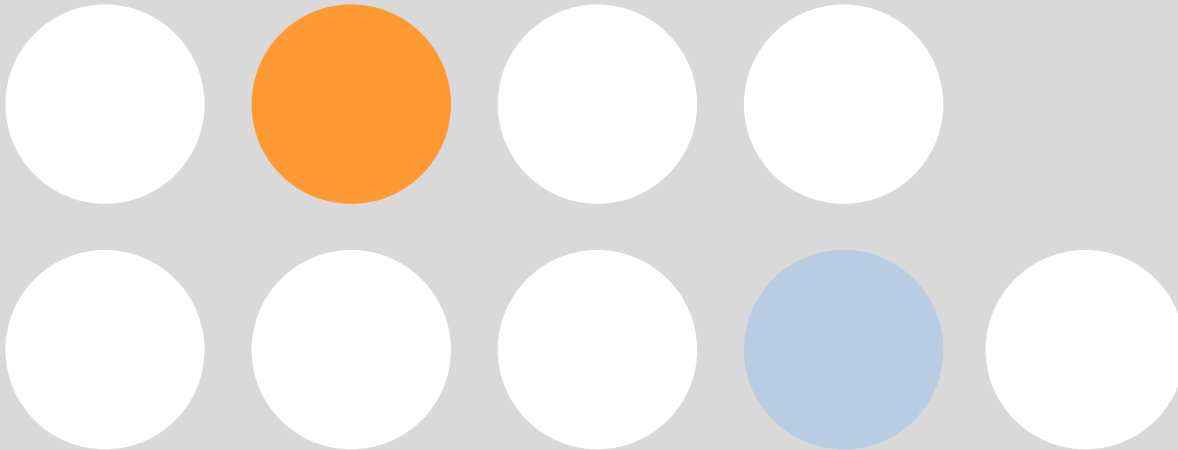




SERA Regional Conference West Mediterranean

ERTMS trackside approval under 4th Railway Package



Vanessa M^a García Lozano

Valleta, 23rd May 2017

New process for ERTMS trackside

WHO

APPLICANT



WHAT



Applicant submits request for approval for an ERTMS trackside project

Including requested documentation

Including evidences that issues are controlled and will be resolved



Agency issues a decision on approval

Within 1 month it will inform applicant of completeness

When complete, or at the agreed deadline, the Agency will make decision



NSA authorizes the project including the ERTMS trackside subsystem

Approval is a precondition for the authorization by the National Safety Authority

WHEN

Before call of tenders

Before place in service



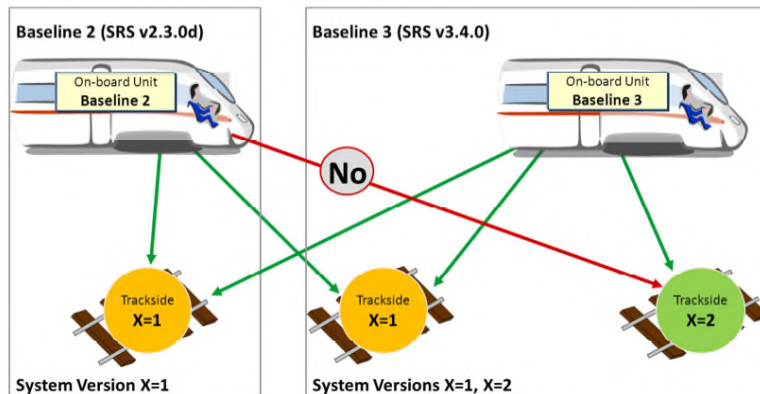
•ERTMS trackside approval under the 4th Railway Package

Lessons learnt about ERTMS in SPAIN

SOME DATA ABOUT ERTMS IN SPAIN

ERTMS equipped lines: 1870 km (L1, L2, L1/L2)
362 ETCS equipped trains in commercial service

BUT



More than 10 different CCS TSI since 2000

Migration to 2.3.0.d: big effort, high extra-cost and technical difficulties



NEED TO GUARANTEE



Backward compatibility + Stability of specifications

ERTMS Learning cases: a way to collaborate

MoU in ERTMS recently signed between AESF (NSA ES)-EUAR



- **Cooperation**
- Sharing AESF **experience and knowledge** in ERTMS
- **Collaboration and support** to EUAR in its new tasks
- **Smooth transition to 4RP** (trackside approval and OSS)

Learning cases to share experiences of the NSAs with EUAR in ERTMS is an efficient way to make a smooth transition to 4th RP



Challenges for ERTMS in 4th Railway Package

New approach (ERTMS trackside approval and vehicle authorization by EUAR)

EFFICIENT

AVOID DUPLICITY OF TASKS

New process and new entities EUAR and the CE in 4th Railway Package application

NSAs SUPPORT

LEARNING CASES

A new approach for testing and certification of ERTMS products has to be developed

IMPROVE

AVOID EXTRA COSTS

Backwards compatibility and stability of ERTMS specifications

Thank you for your
attention



¿Questions?

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