

Workshop #4

How to optimise cost for the ERTMS Lifecycle for Trackside and On-board?



Representatives from Infrastructure Managers, Railway Undertakings, ERTMS suppliers, rolling stock leasing companies, laboratories, EC, ERA, etc. have participated in the Workshop sessions.

What are the main cost drivers along the lifecycle?

- Lack of competition, e.g., vendor lock-in situation
- National requirements
- Continuously update of the specifications
- Lack of upgradable products
- Vehicle downtime during the process
- Complexity of authorization process
- National homologations
- Quantity of demanded tests, e.g. ESC/RSC
- Complex vehicle architecture including Class B systems on-board

What are the solutions to mitigate the cost drivers?

- Modularity and standardised interfaces
- Managing digital improvements on the system
- Decommission of Class B system as soon as possible
- Simplify the authorisation process avoiding duplication in the certification process
- Reduce the testing activities
- Better plan of the modifications or upgrades of the system
- Harmonisation of operations and phase out the national rules
- Increase the workforce
- Improve the competition on vehicles manufactures
- Ensure a continuous flow of long-term investment