

EuroSpec

A new approach towards specifying rolling stock

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Situation in Europe at EuroSpec's start

Market:

- Manufacturers are heading for standard adaptable platforms;
- TOCs tender their procurement;
- TOCs no longer design and specify RST.

Legislative environment

- TSI framework almost complete;
- Decreasing amount of add on national regulation;
- Cross acceptance being implemented.



Opportunity:

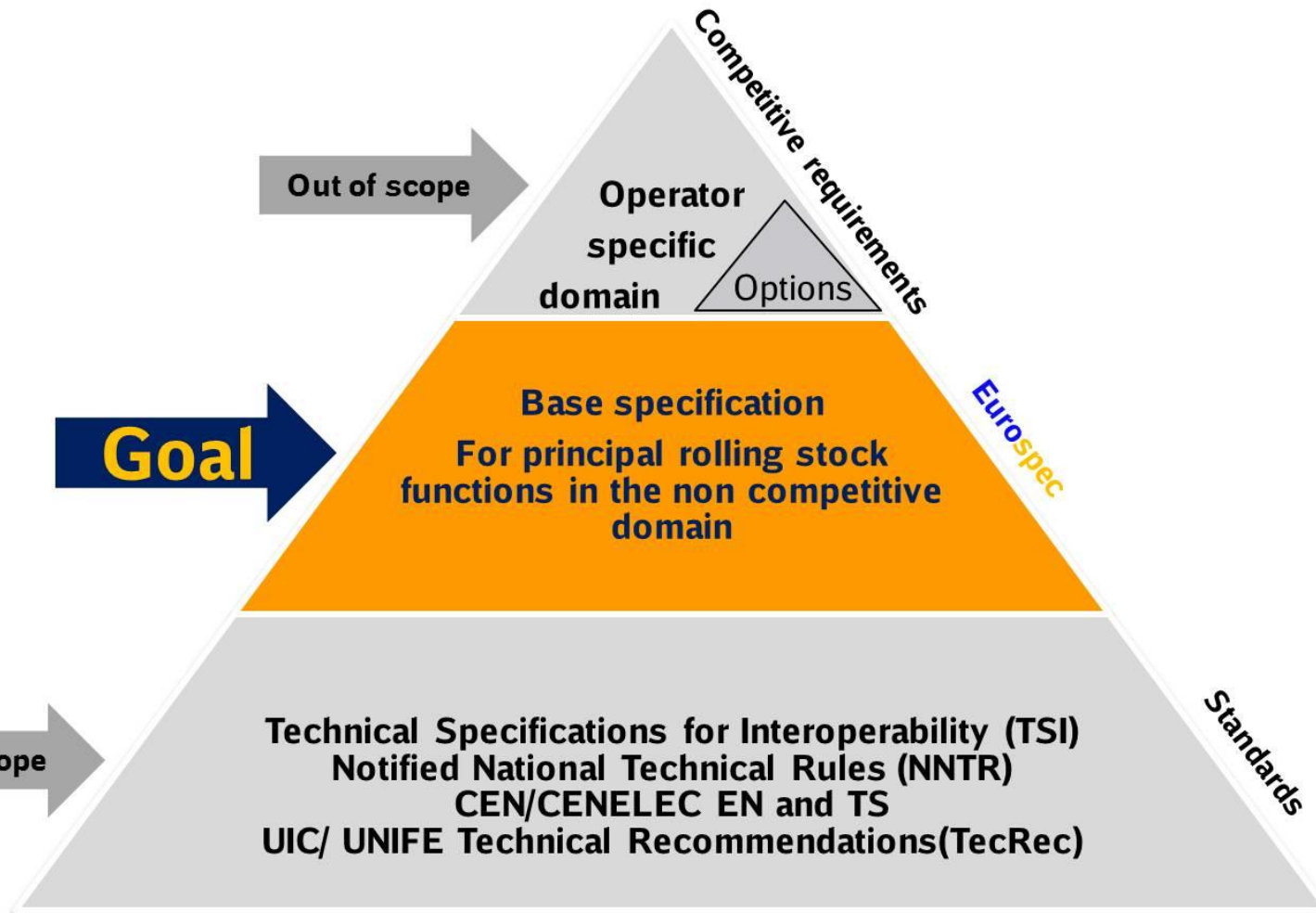
define a common base and eliminate differences in non-competitive domain



Potential:

- Change to develop a real European platform;
- Promotion of interoperability and cross functional homologation;
- Economics of scale and standardisation reduce cost and improve quality and reliability.

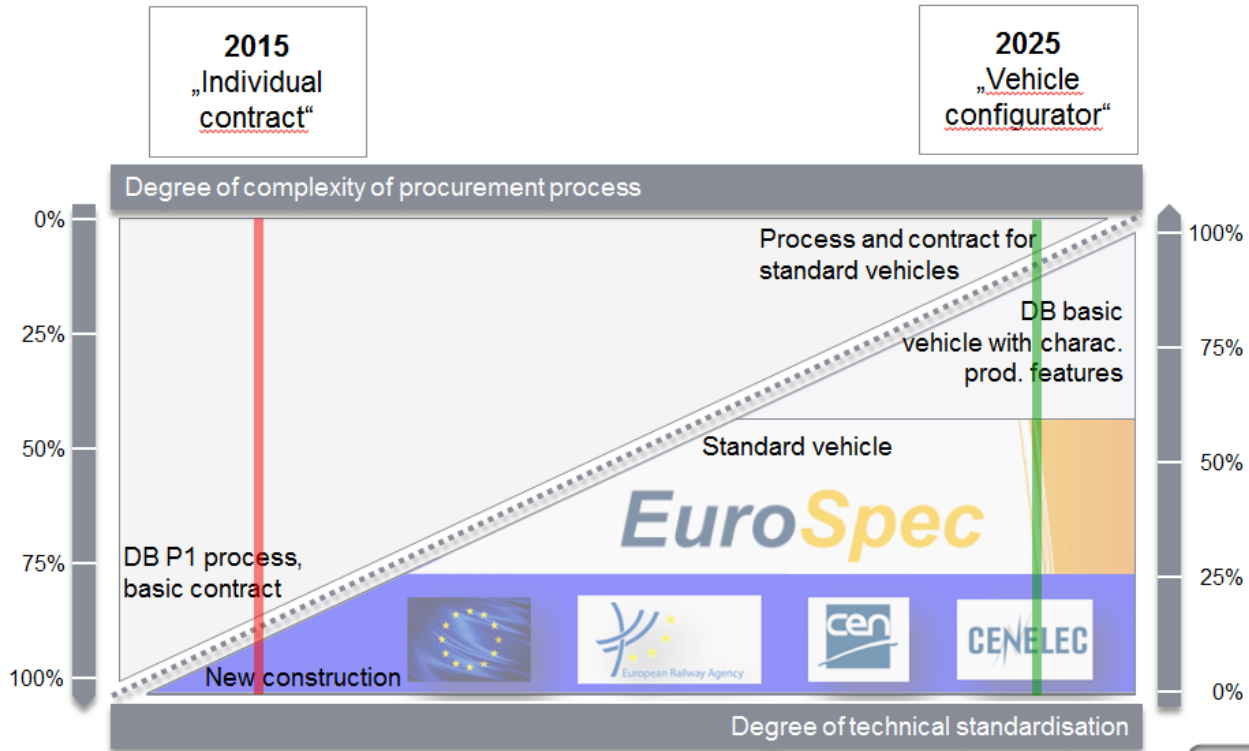
EuroSpec's scope: Creating a base specification for principle rolling stock functions among operators





As the level of standardisation increases, the complexity of the procurement process decreases

Transition from individual contract to "vehicle configurator"



Fußnote / Quelle:
DB AG | TEF | BuTS2025 EuroSpec



Mehr Profitabilität.
Mehr Qualität.
Mehr Innovation.



Results already achieved by EuroSpec

Specified and published specification modules

- Toilets;
- Air conditioning;
- Requirements management;
- Documentation.

Results

Application and dissemination of EuroSpec documents:

- Discussion with manufacturers;
- Already used in tenders;
- Publication at www.eurospec.eu.

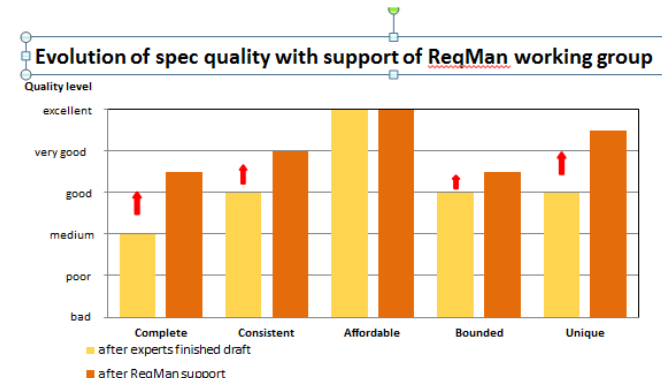


EuroSpec "Requirement management"

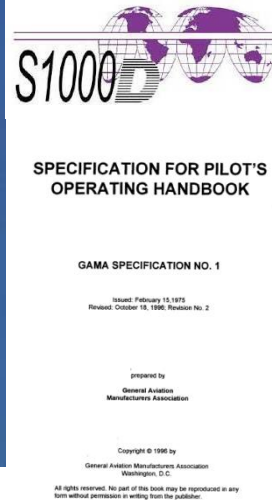
- Eurospec "requirements management" has defined a common reference and method for the other working groups, to improve standardisation between all working groups;
- Eurospec "requirements management" trains and coaches the specialists in writing requirements;
- Eurospec "requirements management" reviews and improves the EuroSpecs on several quality aspects.

The document **EuroSpec** Requirements Management provides a common focus on "requirements management" for use by companies in the rail sector. The document refers to existing standards and best practices and has the following chapters as content:

- Requirements Characteristics;
- Requirements Syntax;
- Requirements Attributes;
- Requirements Traceability;
- Requirements Validation and Verification;
- Requirements Interchange Format;
- Do we mean standards?



EuroSpec "Documentation" begins with common reference for rolling stock analogous as in other sectors



The EuroSpec on Documentation provides :

- A **common reference** to be used for tendering and verification;
- In future releases additional specifications on structure and standardisation of content, format and exchange of the documents;
- It is finally intended to facilitate the exchange of technical documentation within the railway sector in a harmonised way.

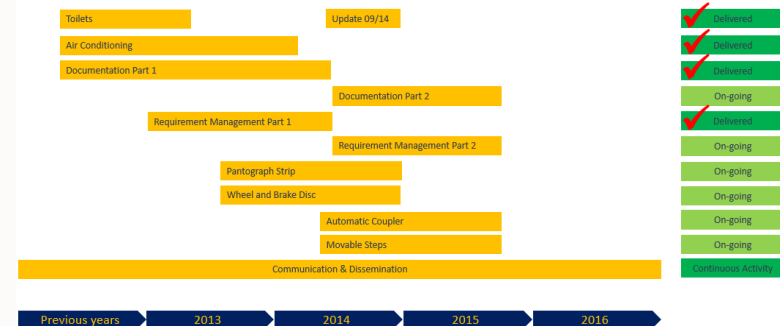
Current and future work

Currently EuroSpec experts are working on:

- Technical documentation for rolling stock (content, structure and format);
- Requirement management (verification methods and interchangeability of req.)
- Mechanical parts of automatic couplers;
- Moveable step;
- Pantograph strip;
- Wheel and brake disc.

Future work:

- Open discussion with manufacturers;
- Feedback loop from use in tenders;
- New identified topics.



Future EuroSpec work in more detail

Phase 1. Current Phase (until 2015)

- A few standards are produced. EuroSpec partners gained experience in working processes and improve them according to the experience made.

Phase 2 - Increasing the number of EuroSpecs (2015 – 2016)

- Goal for 2015: 6 new EuroSpec Specifications to be delivered
- Goal for 2016: 12 new EuroSpec Specifications to be delivered
- Updated structure to implement, new organizational processes (focusing on the delivery of specifications) to further increase efficiency and to deliver more output
- EuroSpec acknowledged as credible, reliable, strong and steady partner in agreements with other organisations (UNIFE, CEN, CENELEC, ..);

Phase 3 – Platform (2017)

- Exchange, develop, guide, facilitate, coordinate members' needs and interests
- More EuroSpecs to be published and maintained continuously
- To foster common approach and benefit in simplicity, reliability and economics of scale

Goal: In 2025 all new rolling stock specifications come from EuroSpec

Outlook

- Operators have shown to be able to reduce their own specific requirements by making use of the first EuroSpec's;
- For powerful railway sector further standardisation is needed:
 - **Increase of reliability** by sharing good practice and experience;
 - **Simplification** of tender process in time and effort;
 - Standardised products and **increase cost efficiency.**
- EuroSpec fills a gap in current standardisation landscape;
- Eurospec is a mean to obtain mature products needed to offer excellent products to the end customers.



Meeting EuroSpec

Our website www.eurospec.eu

- Regular progress report
- Download area (**Downloads are free of charge!**)
- Press corner

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