

REQUINATOR

Requirements Management Solution

REQUINATOR software

Software solution designed for the railway industry:

- Optimizes the requirements management process from tender through design to homologation and acceptance
- Manages requirements from multiple sources:
 - Customer specifications
 - International and national norms (TSI, GOST, IRL, BôV, etc)
 - Manufacturer best practice
- Multiple classifications of all requirements
- Requirements libraries can be reutilized for multiple projects

Stakeholder oriented

Role-specific, multi-lingual user interfaces for:

- Project manager, technical expert
- Sub-suppliers and manufacturing
- Customer
- Notified body and authority

Rich Internet Application

- Access from web browser
- Platform and location independent usage
- No client-side installation
- Available as hosted service (SaaS)

Data exchange

Import, Export (CSV, JSON, ReqIF)
Reporting (PDF, HTML)

Webseite

www.requinator.com

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Railway projects under control

Challenge

Homologation and acceptance of railway vehicles by the customer have become more challenging due to the vast number of requirements from multiple sources. Both a suitable process and an appropriate tool are critical prerequisites for successful risk mitigation and project completion.

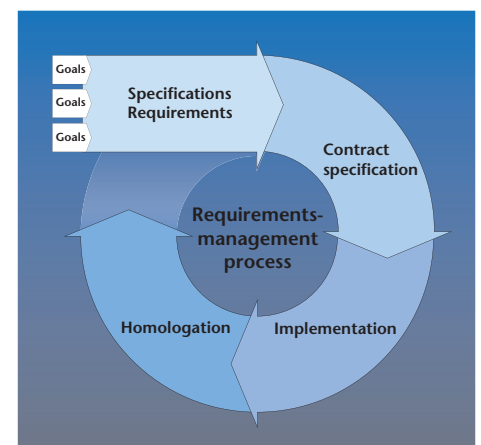
Solution

The management of requirements as practiced by Molinari can contribute to the entire process from the initial development of the customer specifications to the final acceptance and homologation. We can assist all stakeholders with their specific needs. Customers, authorities, manufacturers or sub-suppliers need an instant view of the project status at any time in order to track the progress of critical topics independently. By organizing the requirements of each stakeholder in separate libraries, these libraries not only can be re-used in other projects, but also allow stakeholder specific analysis and reporting. A project is defined by the collection of the relevant libraries. Using multiple classification schemes the requirements from different sources are consolidated and can be filtered by topic. Only this breakdown of complexity enables requirements managers, systems engineers and project managers to find discrepancies, clarify interpretations, track open points, ensure that requirements are mirrored in vehicle or component design and to prepare certification documents.

All changes of requirements in the tender negotiation, during development, and due to change requests are subsequently tracked, reviewed and the supporting documents for certification are marked for revision where necessary. Design reviews, FAI and other milestones are traced throughout the entire process. The customer, notified bodies and authorities get early access to the list of supporting documents and can accompany the project to ensure smooth certification of the project.

Software

The REQUINATOR software was developed by ASPES, Oetiker+Partner and Molinari to support the specific needs in railway industry. REQUINATOR allows users to focus on the requirements of their specific interest and responsibility, using the familiar classification schemes (e.g. ERA, EN, TSI, ...) relevant in their own context. With the process described above and the unique features of REQUINATOR project execution and risk management can be taken to the next level, gaining the adopting company competitive advantages.



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