

DATASHEET

Requirements Management with IBM DOORS optimized for regulated industries

Requirements Studio optimizes use of IBM DOORS in projects in regulated industries by support of safety standards and process documentation.

CONNECT REQUIREMENTS MANAGEMENT WITH ARCHITECTURE MANAGEMENT TO ENABLE END-TO-END TRACEABILITY

Requirements Studio supports the ReqIF-based exchange of requirements with UML modeling tools—a common use case in the automotive, aerospace and railroad industries.

Comply with standards such as IEC61508, AutomotiveSPICE, ISO26262, and others with prefabricated processes and documentation formats that can be easily adapted to your individual needs. This allows you to quickly and efficiently create the complete and linked documentation demanded by the standards.

USE CASES

- Share requirements with UML modeling tools.
- Establish traceability from requirements to architecture and source code.



STATE-OF-THE-ART REQUIREMENTS MANAGEMENT

Requirements Studio provides you with access to IBM DOORS, in a way that is perfectly tailored to the size of your business and the scope of your project. Benefit from rich requirements capture, analysis, tracking, and management capabilities, available through an intuitive user interface.



SHARING REQUIREMENTS WITH MODELING TOOLS

Requirements Studio supports the ReqIF-based exchange of requirements with UML modeling tools—a common use case in the automotive, aerospace and railroad industries. In complex project scenarios, a secure, process-compliant exchange of artifacts between requirements management and engineering is key for project success.



SAFETY STANDARDS SUPPORT

Requirements Studio makes it easier to adhere to standards, such as IEC61508, AutomotiveSPICE, ISO26262, and others. Leverage prefabricated processes and documentation formats included in Requirements Studio. Adapt as needed and create the complete and linked documentation demanded by the standards.

PRODUCT FEATURES

Traceability throughout architecture to source code

Proving full coverage of all agreed requirements demands seamless and complete bi-directional traceability. With Requirements Studio you can link requirements across various levels of detail at any granularity, and you extend traceability further to other artifacts in the lifecycle, e.g. UML/SysML models.

Exchange of requirements with IBM Rhapsody

Requirements Studio uses the standardized ReqIF interface to exchange requirements held in IBM DOORS with the UML modeling tool IBM Rhapsody. Requirements can be linked to the corresponding elements of a UML or SysML model, creating a bi-directional connection.

Demonstrate compliance with safety requirements

Requirements Studio allows you to generate certification relevant documentation to a large extent straight from your engineering environment. Typical templates and processes for IEC61508, AutomotiveSPICE, ISO26262, and others, are delivered with Requirements Studio and can be adapted to your specific project needs.

BENEFITS OF REQUIREMENTS STUDIO

Accelerate adoption of standards-compliant processes

Requirements Studio simplifies the integration of safety-related processes into your workflows, thus significantly increasing acceptance within the project team.

Discover gaps or misunderstandings faster

Achieve complete transparency into how requirements have been converted into the architectural design by extending bi-directional traceability to UML/SysML models. Click on the links and view associated artifacts, without leaving your familiar environment. Gaps or misunderstandings can be identified and eliminated faster.

Frictionless exchange of assets

With Requirements Studio you are able to manage the exchange of requirements data as required by your OEM customer with minimized impact on your internal procedures.

About SodiusWillert

SodiusWillert designs and distributes software solutions for Enterprise Interoperability, Data Transformation, and Model-Based Code Generation to improve traceability, exchange, and sharing of engineering data for the Aerospace, Automotive, Transportation, Defense and Medical industries. For more information, visit sodiuswillert.com.