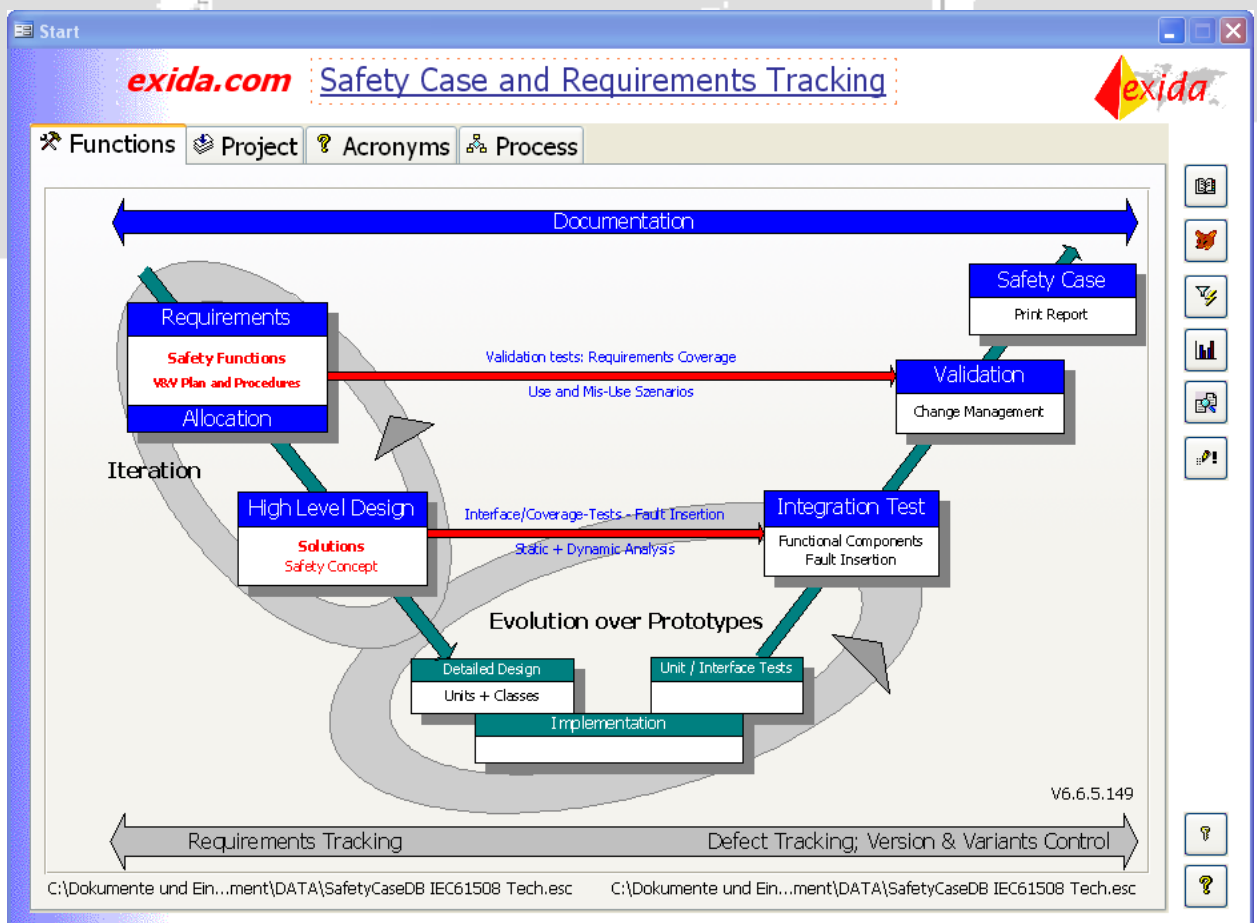


SafetyCaseDB Functional Safety Knowledgebase

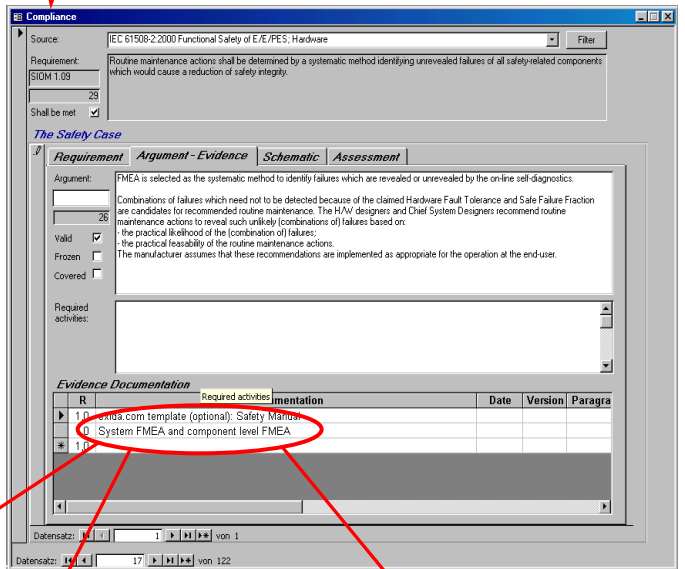
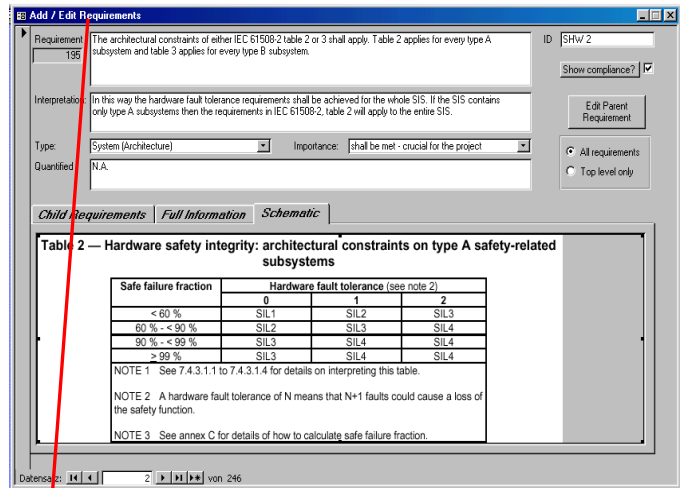


SafetyCaseDB combines all features of a Requirements Management Tool and an extensive Knowledgebase of arguments to specifically understand and meet IEC 61508 / ISO 26262 throughout the whole development cycle.

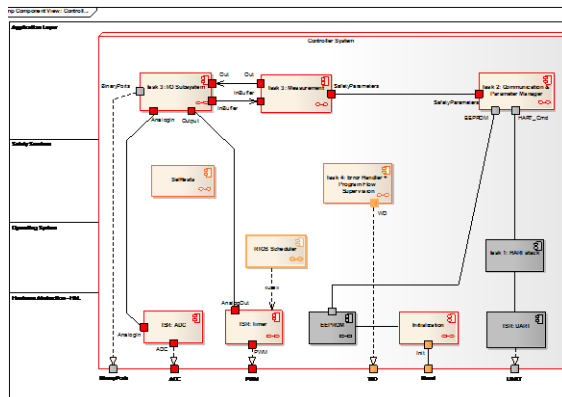
- ◆ manages and allocates requirements – pre-filled with ISO 26262 / IEC 61508 / IEC 61511 / IEC 60880 content licensed with IEC / VDE / DIN
- ◆ facilitates requirements tracking throughout the whole development
- ◆ supports development of a Safety Case
- ◆ pre-filled with extensive arguments on how to meet IEC 61508 with related IEC 61508 and ISO 26262 template documents
- ◆ stores related evidence documents
- ◆ supports definition of integration and validation test cases
- ◆ eases assessments

Key Features

- **Requirements** – Hierarchical structuring of requirements. Extensive knowledgebase of IEC 61508-2, -3, ISO 26262, IEC 61511, IEC 60880 requirements
- **Documents** – Link to and storage of Verification & Validation documents
- **Allocation** of requirements to subsystems and project phases.
- **Safety Case – Arguments and Evidence** Extensive knowledgebase of arguments on how to meet the requirements of IEC 61508-2 and -3 and associated evidence templates for:
 - Item definition & ISO 26262 Safety Concepts
 - Safety Requirements Specification;
 - Functional Safety Management and V&V Plan;
 - UML Architectural Design Specification;
 - Test Specification;
 - Proven-in-Use demonstration.
- **Tests** – Specification of test cases and documentation of test execution.
- **Reporting** – to Microsoft Word™.
- **Importing** – from tagged Microsoft Word™ and XML / XLS files.



Functional Safety Management / V&V Plan	
2	Roles
3	Reference Documents
3.1	Structuring of the Project Documentation
3.2	Documentation provided by Product Management
3.3	Documentation provided by Customer(s)
3.4	Company specifications and quality documents
3.5	Laws
5	Functional Safety Management Requirements
5.1	Definition of policy and strategy
5.2	Allocation of responsibilities
5.3	Configuration management requirements
5.4	Development Process
5.4.1	Detailed Structuring of the Project
5.4.2	Phase 1: Specification of extent and scope of the safety
5.4.3	Phase 2: System / architecture specification
5.4.4	Phase 3: Detailed hardware and software design
5.4.5	Phase 4: Integration testing
5.4.6	Phase 5: Documentation
5.4.7	Phase 6: System validation
5.4.8	Modification and defect tracking
5.5	Documentation Requirements
5.5.1	System and H/W Documentation
5.5.2	Software documentation
5.5.3	Test documentation
5.6	Functional safety assessment requirements



Safety Requirements Specification	
5	Safety Requirements
5.1	Operating Modes
5.2	Safety Functions
5.3	Separation and collaboration of safety and non safety functions
5.4	Safety settings / configuration
5.5	User Programming
5.6	Safety-Related Interfaces
5.6.1	Safety-Related Process and Power Supply Interfaces
5.6.2	Safety Communication Requirements (optional)
5.6.3	Man Machine Interface Requirements (optional)
5.6.4	Internal Safety-Related Interfaces
5.6.5	Internal Data Safety Requirements (optional)
5.7	Safety Integrity Requirements
5.7.1	Failure / Error Detection and Reaction Requirements
5.7.2	Quality Factors (optional)
5.7.3	Security Requirements (optional)

Related Services

Verification-driven Design

Improve a product / system and its development process to meet safety standards.