

MARQUARDT

SAFETY POLICY

We develop safety related products for our customers. These must comply with international standards for functional-safety according to IEC 61508. If specialized functional safety standards exist then these need to be taken into account, i.e. ISO 26262, EN 62061 or ISO 13849. Our top objective is to fulfill the requirements of these standards.

According to the defined safety requirements, certain measures, methods, principles must be considered and carried out in compliance with standards from technical point of view, as well as from process view for the respective product during the safety lifecycle.

To guarantee this we implement the following responsibilities for the Marquardt Group:

1. In projects:

The respective development departments take the responsibility for the implementation of the requirements of the respective product sufficient practice in relation to the applicable standard. The resulting measures are set out in the Safety Plan and further technical documents.

The Central Quality Management implements the role of the Functional Safety Manager (FSM) as an independent administrative department with overall responsibility for Functional Safety. This includes:

- Responsibility for independent confirmation activities within the projects (e.g. Audit, Assessment, Completeness)
- Creation and continuous improvement of the process for functional safety.
- Supervision of information in regard to functional safety products in the field.

The Development Department implements the role of the Functional Safety Engineer (FSE) which defines and supervises measures for functional safety within the project. This includes in particular:

- Responsibility for fulfillment of the safety lifecycle (e.g. tailoring of process, set up technical safety concept, selection and implementation of safety analyses, ...)

In the context of tailoring at the project start it will be decided, depending upon characteristic of the project, and under certain circumstances together with the customer, which procedures and measures need to be implemented in the project.

The FSM has complete authority as well as the right to veto all decisions, which concern functional safety. The FSE has direct reporting and escalation authority to the FSM.

The heads of the Development Department and the Central Quality Management accompanied by the FSM provide series-production approvals for safety related systems or restricted released for intermediate release-levels.

2. In the Development Process:

The Development Departments ensures in the context of the process definition and improvement, and thus in cooperation with the Central Quality Management, that the implemented procedures and measures are further developed to guarantee the completeness and efficiency of the functional safety process.

The FSM is responsible for the definition and development of the functional safety process within the Marquardt Group.

3. Regarding the Implementation:

The FSE ensures that the project specific safety goals are comprehensibly anchored within the general targets of the project. The development departments qualify all project staff in safety related projects to the ability to implement the agreed measures in the project work effectively.

4. Regarding Monitoring and Escalation:

The FSM presents the status of functional safety to the Management of the Marquardt Group regularly with reports about progress and deviations with appropriate measures for functional safety within the project.

Together with the FSM, the heads of the Development Department and the Central Quality Management check the implementation of this guideline regularly and present the status to the Management of Marquardt Group.

The Management

Rietheim-Weilheim, January 2022