



FS 192 | Functional Safety Engineer Rail Cenelec (TÜV Süd)

TrainingFacts



Functional Safety Engineer in Railway Industries according to TÜV SÜD

According to the standards EN 50126 / EN 50128 / EN 50129 / EN 50159 the participant will learn about the processes necessary in the safety life cycle. The training course adopts a situation-based approach to the role of supporting processes and the resulting deliverables. Explanations of the necessary work products and appropriate treatment of safety plans are an integral part of the training

This 3-day workshop will highlight the requirements of the different standards and will give advice for a standard-conform realization of Functional Safety. Participants will learn how to understand Functional Safety Management and Lifecycle principles as well as how to communicate and use them.

Target Group

The training targets developers, testers, project leads, quality representatives and safety officers primarily focusing on the development of programmable electronic safety systems; users and integrators of safety devices / systems within the rail industry.

Certificate

Upon achieving the successful passing mark in the final exam, will be provided with a "FS Engineer Rail CENELEC (TÜV SÜD)" certificate.

Content

Introduction

- Standards in Railway Applications

Risk Analysis

- Risk definition
- Risk reduction
- Safety levels

RAMS

- Specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS)

Life cycle

- Hardware/Software Lifecycle
- Role definitions

Software Design

- Software safety requirement levels (SSAS)

COTS

- Principles in COTS as a design standard

Communication

- Communication, signaling and processing systems
- Safety-related communication in transmission systems

Documentation

Dates in 2021

Date	Location	Country	Language
12.04.-15.04.2021	APAC	APAC	English
18.10 -21.10.2021	APAC	APAC	English

Duration

3,5 days
Begin: Monday 8:00 am
(Exam): Thursday

Number of participants

- Min. 6 participants
- Max. 10 participants

Prices 2021

For a quotation and detailed course description please contact our Training Center

Services

- Paper copies of training documentation
- Refreshments and lunch
- Participation certificate issued by HIMA
- FS Engineer (TÜV SÜD) certificate upon achieving the required pass mark in the final exam

Registration and Contact

General terms and conditions as well as registration at <https://www.hima.com/en/products-services/seminars/> or using our registration form.

For any other questions please contact:

E-Mail:
Training.au@hima.com

Disclaimer:

HIMA reserves the right to reschedule a course if the minimum number of registrations are not met or received four weeks prior to the course date.

Further courses on this subject

The 1 day introductory workshop highlights the requirements of the different standards and will give advice for a standard -conform realization of RAIL Functional Safety Management and Lifecycle principles.

- HIMA recommends the 1-day introductory course:
- Introduction to RAIL Functional Safety (FS 180) – 1 day

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