

# IEC 61511 EDITION 2.0 - 2016

## INTRODUCTION COURSE

### Course objectives

The main objective of this course is to provide everyone involved in process safety the opportunity to learn the updates and impact of the IEC61511 ed. 2.0 - 2016 release.

### Who should attend

- Existing FS Eng SIS, FS Professionals 61511, CFSE, etc.
- Control and automation engineers
- Process and process safety engineers
- Operation and instrument maintenance technicians
- Risk and reliability engineers
- Loss prevention engineers
- Engineering and project department managers
- EPCs and end users
- System integrators and independent consultants
- Sales engineers and managers
- Marketing specialists for safety, products, systems and services
- Everyone looking for an understanding of the Key Principles of Functional Safety

### Course information

- Duration: 1 day at Noordwijk
  - 17<sup>th</sup> of October\*
  - 12 + 13<sup>th</sup> of December\*
- Time: 9h00 - 17h00
- Language: Dutch
- Price: € 550 incl. lunch, etc.



## Functional Safety - SIS in the Process Industry

### Topics covered in this course:

- Functional Safety Standards Milestones
- IEC61511 Ed. 2.0 overview
- Functional Safety Management & Assessments
- SIS Safety Requirements Specifications
- SIS Design and Engineering
- SIS Application Programming
- SIS Installation, commissioning and Validation
- SIS Operations and Maintenance
- SIS Modification, Testing and Documentation

## Skills YOU will learn

- Basic understanding and general requirements of the IEC61511 edition 2.0
- Understand the impact of the changes for your organisation
- Be able to prepare a Safety Requirements Specifications from a bullet list
- Be able to identify the Functional Safety Management & Assessments tasks in the Life Cycle phases

## Prerequisite

- Experiences in Process Safety is helpful

## Material YOU will get

- The course material based on completely new content structured around the IEC61511 Ed. 2.0
- Modern interactive presentation based on balanced theoretical and practical material, video demonstration and discussions
- 4th Edition of SIL manual - safety instrumented systems - Plant Engineering and Maintenance according to IEC 61508 and IEC 61511 Standard published by [G.M. International](#)
- White papers on functional safety topics



## About the instructor

Tino Vande Capelle is providing Vendor-Neutral Functional Safety Training and Consultancy as freelance & self-employed, capitalising on 30 years' experiences in Functional Safety in the Process Safety Sector in a variety of areas such as LNG, Petrochemical, Refining and Petroleum Industries, he gained significant experience performing Technical Management, Marketing & Technical consultancy, hardware & software engineering, process control engineering, troubleshooting and field instrumentation using advanced control, distributed control, scada, emergency shutdown, fire & gas, compressor control and PLC systems.



Tino is Senior FS Expert & Trainer for Safety Instrumented Systems (ID: #0109/05, SIS) under the [TÜV Rheinland](#) Functional Safety Competency program. He has trained worldwide nearly 1800 participants over the last 10 years with the flagship FS Engineer SIS course. [<click here for testimonials received via LinkedIn>](#)

## Course registration :

Please contact Wilco Lit [w.lit@notra.nl](mailto:w.lit@notra.nl) or Gert Smeman [g.smeman@notra.nl](mailto:g.smeman@notra.nl) of Notra (+71-3619207).

## Course Provider:

Notra is the specialist for gasdetection and Ex solutions. We do have a complete range of portable and stationary gas detection systems and our own service organization. To complete our package we engineer, supply and certify flameproof and purge & pressurization enclosures and work together with GM International for SIL rated isolators, (smart) safety relays and power supplies.