

Safety related European Railway regulations : overview and interactions

1. Introduction : 0,25 h

- 1.1. Reasons for this training
- 1.2. Introduction of participants - Expectations of participants

2. General structure of the EU 4th Railway Package / Fundamental European Railway Directives: 0,75h

- 2.1. Railway packages - History and overview
- 2.2. EU Directives (Safety + Interoperability) and Regulations : application
- 2.3. Overview : Directives, CSM/Regulations
- 2.4. Common Safety Methods / Regulations
- 2.5. Railway European TSIs : Technical Specification for Interoperability
- 2.6. Belgian law
- 2.7. Safety Directive 2016/798
- 2.8. Interoperability Directive 2016/797
- 2.9. Reminder: difference between Laws and standards
- 2.10. Harmonised standards

3. Activities resulting from the Legislation and Main Actors: 0,75 h

- 3.1. Domains under control
- 3.2. How to manage change / Who is involved
- 3.3. EN 50126-8-9 :
 - 3.3.1. V cycle phases,
 - 3.3.2. deliverables,
 - 3.3.3. Safety cases,
 - 3.3.4. Adaptability
 - 3.3.5. Quality for Safety
- 3.4. Evaluation bodies and authorities :
 - 3.4.1. ISA, DeBo, NoBo, AsBo, BELAC (Accreditation Standards ISO 1702x)
 - 3.4.2. Authorities: EU Agency for Railways and National Safety Authorities

4. Safety Management Systems according to Regulation 2018/762 + CSM 1078/2012 : 1,5h

- 4.1. Legal obligations
- 4.2. Safety Certificates and Authorisations - parties involved
- 4.3. Structure of a SMS
- 4.4. Application to the context of each company
- 4.5. Positioning vs Quality Management Standard ISO 9001 : integration Quality / Safety
- 4.6. Regulation for ECM (maintenance vehicles)

5. Common Safety Method 402/2013 for Risk Evaluation and Assessment : 2,5 h

- 5.1. Frame work for risk management : ISO 31000 / EN 5012x / CSM 402
- 5.2. Overview of CSM 402
- 5.3. Definitions
- 5.4. Change definition
 - 5.4.1. Types of changes
 - 5.4.2. Evaluation of change : significant or not
 - 5.4.3. Role of the AsBo Assessment Body
- 5.5. Risk Assessment process :
 - 5.5.1. Steps
 - 5.5.2. Risk Acceptance principles
- 5.6. Challenges relating to Risk analysis

6. Technical Specifications for Interoperability : 1 h

- 6.1. Interoperability Directive context
- 6.2. TSI Chronology
- 6.3. TSI CCS 2016/919
- 6.4. TSI CCS 2023/1695
- 6.5. Specs / Subsets
- 6.6. 2010/713/EU : modules for the procedures for assessment of conformity
- 6.7. TSI LOC&PAS
- 6.8. ESC and RSC Tests

7. Authorisation process : 0,5 h

- 7.1. Railway vehicle authorisation according to EU Regulation 2018/545
- 7.2. National rules and their parameters according to EU Decision 2015/2299
- 7.3. Requirements Capture WKD-STR-004

8. Closing discussions : capture comments/remarks/suggestions and questions to follow up : 0,75 h