



Railway Safety Management Training Programme

The Objective

The general objective of this training is to give principles of Safety Management System including the European Railway Safety Organisation and Management.

The training will deal with the different aspects that encompass a Railway Safety System: from its organisation to its management - including risk assessment, accident and incident investigation, monitoring and supervision.

This training will be the follow up of the two previous Safety Workshops organised for Middle East.

Target groups

- Managers in charge of Safety Management and/or Accident and Incident Investigation
- Experts in charge of Safety Management and/or Accident and Incident Investigation
- National Safety Authority (NSA)
- Railway Undertakings (RU)
- Infrastructure Manager (IM)
- Investigating Body (IB)
- Training Managers
- Safety instructors

Expected outputs

At the end of the training, the attendees have a thorough knowledge of:

- 1- How to elaborate a Safety Management System
- 2- The main common Safety methods in European member states
- 3- How to assess risk in order to be sure that risk is acceptable
- 4- Which method can be used for Safety monitoring and Safety supervision
- 5- Which method can be used for accident and incident investigation
- 6- How to design and apply effective safety training



Draft Agenda
Railway Safety Management Training Programme
 5th to 8th November 2013, Eskişehir, Turkey

Tuesday 5 th November 2013			
9.30-9.40	Opening Speech	TCDD	(10 min)
9.40-10.00	1. Presentation of - UIC /Expertise Development	Nathalie AMIRAUULT Head of expertise development, UIC	20 min.
10.00-10.10	- MERTCe	Halim Soltekin, Director MERTCE	10 min.
10.10-10.30	- SESRIC	Mehmet Fatih SERENLI Director of Training and Technical Cooperation, SESRIC	20 min.
10.30-11.00	<i>Coffee break</i>		
11.00-12.00	2. Introduction to UIC Safety activities - Safety Division	Peter GERHARDT Head of Safety Unit, UIC	
12.00-13.00	<i>Lunch break</i>		
13.00-14.30	3. Hard principles on the basic of European Safety Management	Yves SAVOYE, Consultant	(1h30min)
14.30-14.45	- in TCDD and the other organizations	Erhan GÖR, TCDD SMS Director	(15 min)
14.45-15.00	Questions & Answers	and the other organizations	(15min)
15.00-15.30	<i>Coffee break</i>		
15.30-16.00	4. Main texts concerning the content of this training - European and Turkey texts concerning the Safety Management System	Yves SAVOYE, Consultant	(30min)
16.00-16.15	Questions & Answers		(15min)



Wednesday 6 th November 2013			
9.30-10.00	5. European Safety Directive	Yves SAVOYE , Consultant	(30min)
10.00-10.10	-in TCDD and the other organizations	Erhan GÖR , TCDD, SMS Director and the other organizations	10 min
10.10-10.40	<i>Coffee break</i>		
10.40-12.10	6. Safety Management System - SMS	Yves SAVOYE , Consultant	(1h30min)
12.10-12.25	- In TCDD and the other organizations	Erhan GÖR , TCDD SMS Director and the other organizations	15 min
12.25-12.40	Questions & Answers		(15min)
12.40-14.00	<i>Lunch break</i>		
14.00-15.00	7. Hazard Identification and Risk Assessment	Yves SAVOYE , Consultant	(1h)
15.00-15.10	- in TCDD and the other organizations	Erhan GÖR , TCDD SMS Director and the other organizations	10 min
15.10-15.40	<i>Coffee break</i>		
15.40-16.40	8. Safety Monitoring and Safety Supervision	Yves SAVOYE , Consultant	(1h)
16.40-16.55	- In TCDD and the other organizations	Erhan GÖR , TCDD SMS Director and the other organizations	15 min
16.55-17.10	Questions & Answers		(15min)



Thursday 7 th November 2013			
9.30-10.00	9. Accident and Incident Investigation 9-1 European Safety Directive Requirements and purposes of the various investigations	Yves SAVOYE , Consultant	(30min)
10.00-10.15	Questions & Answers		(15min)
10.15-10.45	<i>Coffee break</i>		
10.45-12.15	9-2 Accident and Incident Investigation – IB Investigation Process	Yves SAVOYE , Consultant	(1h30min)
12.15-12.30	Questions & Answers		(15min)
12.30-13.30	<i>Lunch break</i>		
13.30-14.15	9-3 Accident and Incident Investigation – Human Factors	Stella Duvenci-Langa Safety Direction, SNCF	(45min)
14.15-14.30	Questions & Answers		(15min)
14.30-15.00	<i>Coffee break</i>		
15.00-16.00	9-4 Accident and Incident Investigation – Tree of causes method	Yves SAVOYE , Consultant	(1h)
16.00-16.15	Questions & Answers		(15min)

Friday 8 th November 2013			
9.30-10.15	10. Presentation of UIC database - Scope and perimeter - Analysis of trends - Annual report - Use of online database	Olivier GEORGER Safety Database Supervisor, UIC	(45min.)
10.15-10.30	Questions & Answers		(15min)
10.30-11.00	<i>Coffee break</i>		
11.00-12.00	11. Training requirements for a Sustainable Safety Management	Yves SAVOYE , Consultant	(1h)
12.00-12.15	Questions & Answers		(15min)
12.15-13.00	<i>FreeTime</i>		
13.00-14.00	<i>Lunch break</i>		
14.00-	Closure		



Railway Safety Management Training Programme

1 – Presentation of UIC /Expertise Development, MERTCe and SESRIC

2 – Introduction to UIC Safety activities

3 – Hard principles on the basic of European Safety Management

This point gives an overview of the organization of European Railway Safety. At the end, participants will have knowledge of the key points of European Railway Safety Management.

4– Main texts concerning the content of this training

This point introduces the various European Texts detailed in this training. The objective is to show how European Commission and European railway Agency define and help member states to implement the different principles in order to design their own Safety Management System.

At the end, participants will have knowledge of the main Common Safety Methods implemented in each European member state.

5 – European Safety Directive

The basic text of European Safety Management is the European directive 2004-49. This point details the content of this directive. At the end participants will know this directive which is essential for understanding European Safety Management System.

6 – Safety Management System – SMS

For operating in European member states, every Railway Undertaking and every Infrastructure Manager must obtain a safety certificate or safety authorisation. The SMS is a key point of this certificate or authorisation.

At the end, participants will have knowledge of The SMS content, which is necessary to understand requirements of safety certificate or safety authorisation.

7 – Hazard Identification and Risk Assessment

This point introduces methods concerning Hazard identification and Risk assessment used in European member states.

8 – Safety Monitoring and Safety Supervision

This point will allow participants to understand the common safety methods implemented by Railway undertakings, Infrastructure Managers, Entities in charge of maintenance (ECM) and National Safety Authorities in order to be sure that the various SMS apply safety directive requirements.

9 – Accident and Incident Investigation



9-1 - European Safety Directive Requirements and purposes of the various investigations (RU/IM, IB and Judicial investigations).

9-2 – Accident and Incident Investigation – IB Investigation Process

9-3 – Accident and Incident Investigation – Human Factors

9-4 – Accident and Incident Investigation – Tree of causes method

This point concerns managers in charge of investigations: Investigating body but also RUs and IM. The method is similar for the main points.

At the end, participants will be able to investigate an accident or incident complying with European safety directive and they will be able to use tools concerning Human factors and tree of causes in order to determine root causes.

10 – Presentation of UIC database

- Scope and perimeter
- Analysis of trends
- Annual report
- Use of online database

11- Training requirements for a Sustainable Safety Management

The role of the training for a sustainable Safety Management, qualifications and training requirements of the staff works with safety related jobs such as engine driver, traffic controller etc., qualifications and training needs of safety specialists (supervisors), a general framework of an applicable training programme to provide safety consciousness and culture; the contents, methods, target groups and the qualifications of instructors etc.