

Moving Europe towards a sustainable and safe railway system without frontiers.

Investigating SMS Training

OBJECTIVES

The main objective of the course is to provide an approach for analysing occurrences that will allow to link the findings close to an event with the Safety Management System (SMS) in a structured way, thereby enhancing system learning.

The training will introduce the SMS concept in a railway context and help understanding its benefits and limitations for a sustainable management of safety, as well as roles and responsibilities of all actors. Participants will gain understanding in how accident models determine the questions that will be asked and ultimately the lessons that will be learnt, the basic steps to analyse the capability of managing an activity safely, including the influence of Human and Organisational Factors (HOF) on performance.

After the course, each participant should have a clear idea how to identify the relevant elements of an SMS that can be linked to an occurrence and how to formulate recommendations to improve the SMS that is put in place (not the documentation).

METHODS

The 3-day training session has a modular structure.

The main goal is to apply the approach to an on-going or recently finalised occurrence investigation to which the participants actively participated.

The following training tools are used during the course:

- *Presentations with supporting materials (possibly via e-learning);*
- *Q&A sessions to gain clear understanding on the proposed concepts;*
- *Homework assignments to apply the concepts on your own investigation, to be performed autonomously;*
- *Practical feedback and guidance on the adoption of the concepts to your own investigation.*

AGENDA (3 days)

Time	Module	Training Objectives	Training Methods
Day 1 09:00-09:30	0- Introduction to the training	Introduction to the training essentials and tour de table.	Group session
09:30-11:00	1- What is SMS	Introduction to SMS in general. Get acquainted with SMS concept, understand its benefits and limitations for a sustainable management of safety.	Pre-session e-learning Q&A
	2- SMS in EU railways	Introduction to SMS in railways. Get acquainted with SMS in EU legislation, understand roles and responsibilities of all actors.	
	3- SMS and accident models	Understand how accident models determine the questions that will be asked and ultimately the lessons that will be learnt.	
	4- SMS investigation – basic steps	Understand the basic steps to analyse the capability of managing an activity safely, including the influence of HOF on performance	
11:00-14:00			Homework
14:00-18:00			Individual feedback
Day 2 09:00-10:00	5- SMS investigation – digging deeper	Understand how to link the findings close to an event with the SMS in a structured way.	Pre-session e-learning Q&A
	6- Investigating beyond the SMS	Understand how to analyse roles and responsibilities outside the SMS.	
10:00-14:00			Homework
14:00-18:00			Individual feedback
Day 3 09:00-10:00	7- Recommendations for SMS	Understand how to formulate recommendations to improve the SMS.	Pre-session e-learning Q&A
10:00-14:00			Homework
14:00-16:00			Individual feedback

16:00-16:30	8- Investigating safety culture	Understand how to deal with safety culture in the analysis of an event.	Pre-session e-learning Q&A
16:30-17:00	9- Closure		Group session