

RAM, LCC and obsolescence in light rail systems

78

Seminar-No. 06.03



Online-Seminar*

DATES & COSTS

On-demand Nuremberg
 Length: 2 Day
 Fee: 1.400,00 €

incl. lunch and certificate of participation
 plus VAT
 * On-demand

TARGET GROUP

- Employees, with a technical background who are looking for an overview of the subject area RAM(S)/LCC.

LANGUAGES



DESCRIPTION

Implementation of RAM(S) management taking lifecycle costs (LCC) and obsolescence into account obsolescence from the specifications to disposal.

Whereas the fulfilment of legal and normative safety requirements is primarily and normative safety requirements is a focal point in the approval process, the topics of reliability, availability and -vehicles, the topics of reliability, availability and maintainability (RAM - Reliability, Availability, Maintainability) are of decisive importance, Availability, Maintainability) are of decisive importance. Already in the procurement phase, the costs incurred for maintenance and servicing over the entire service life (life cycle costs) are also a (life cycle costs) serve as a basis for decision-making. The RAM(S) process and the consideration of the LCC (Life Cycle Costs) are therefore an indispensable basis for successful action in successful operation of light rail systems.

The purpose of this seminar is to give the participants an introductory, but at the same time as comprehensive as possible overview of the relevant aspects of the RAM(S)/LCC process in light rail systems. In addition to the explanation of the terminology and the interrelationships of reliability, availability, maintainability and safety, the respective activities related to the life cycle phases will be dealt with and different management systems with regard to RAM(S)/LCC will be presented. RAM(S)/LCC will be presented.

This seminar is offered as a two-day basic and as a three-day seminar:

Basics plus deepening through practical implementation and exercises on the topic of RAM(S)/LCC.

SEMINARINHALTE

TAG 1 09.30-17.00 Uhr

- History of the RAM(S)/LCC process
- Advantages of the RAM(S)/LCC process used in Light rail system regulations, their standards and literature on RAM(S)/LCC
- RAM(S)-Reliability, Availability, Maintainability, Safety according to EN 50126
- RAM(S) management
- Detailed view on the processing level
- All necessary data and documentation
- Reliability requirements, risk and hazard analyses
- Logistics and Materials Management

TAG 2 09.00-16.00 Uhr

- Life Cycle Cost:
 - Basics
 - Modeling and categorization
 - Calculations, analysis and prognoses
- RAM(S) procurement process
- RAM(S) maintenance concept
- LCC specifications
- Obsolescence Management:
 - requirements management
 - information management
 - assessment for evaluation of substitutes
 - warehouse and spares management