

Railway Systems Test, Verification & Validation and commissioning

SECURE YOUR PARTICIPATION!

Website: http://www.eduardocalixto.com Email: ec@eduardocalixto.com

Why Shoud attend this training ?

•To gain an appreciation of achieving an acceptable level of risk through the systematic approach to hazard management from V&V process;

•To gain an appreciation of how developing test plans for components, subsystems and product level for railway systems;

•To gain an appreciation of the critical skills to ensure that the system initiated to revenue service is safe and secure for passengers, . Module 5: Start-up testing, dynamic testing and emergency response and general public through a formal rigid safety, public health and certification;

•To gain an appreciation of developing design criteria for conformance checklists through a tracking system;

 To gain an appreciation of vehicle certification requirements, process and procedures;

•To optimize overall whole-life cost by eliminating any delays, maintenance and operational risk prior to revenue service;

•To learn and appreciate the concept of test plans for component • Module 10: V & V for Door System testing, inspection and ensuring that the subsystem requirements

•To gain practical appreciation and implementation of verification, validation and commissioning via case studies.

Who Shoud attend this training ?

O&M Managers, Quality Managers, Maintenance Managers, Quality Engineers, Maintenance Engineers. Mainteance technicians



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He is an experienced Senior RAMS and Asset Management Engineer and has worked for several rolling stock manufacturing organisations including; Bombardier Transportation, Alstom Transport and Hitachi Rail Europe. He served in various engineering and leadership positions: System, Project, Reliability, Performance, Maintenance development, and RAMS LCC, V&V and maintenance across Western Europe, the Middle East and Africa. .

Training Outline:

Day 1:

- Module 1: Introduction
- Module 2: Quality Management and Assurance
- Module 3: Concept of Test V & V Plan,
- Module 4: V& V based on EN-50128 and EN-5029
- acceptance criteria
- · Module 6: Commissioning test, verification and validation

• Module 7: Assurance report and Safety Case process

Module 8: System Pre-certification and certification

Day 2:

- Module 9: V & V for Brake System
- Module 11: V & V for Bogie System
- Module 12: V & V for Pantograph System
- Module 13: V & V for Populsion System
- Module 14: V & V for ETCS System
- Module 15: V & V for TCMS System



