

AGENDA - TRAINING COURSE ON ROOT CAUSE ANALYSIS AND EVENT INVESTIGATION



Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:00	<p>Opening of the Course - JRC presenter</p> <p>L1 Introduction. Presentation attendees and instructors. Conger</p> <p>L2 Model Program for root cause analysis - Overall process; discussion of PRA tools to assist with risk determination at the beginning of the investigation for risk <i>organizing/significance</i>. Conger</p>	<p>Exercise – Events &amp; Causal Factors developed. Interview questions prepared. Conger / Esteban</p> <p>L8 Safety Culture &amp; Human Performance - impact on other system components, emphasis on types of and underlying reasons for personnel errors Conger</p>	<p>Mid-Point Check - Brief Presentations of Analytical Results by working groups [with instructor comment]; mid-course corrections as needed Esteban / Conger</p>	<p>Exercise – Presentation of MORT Analysis by teams with instructor comments Conger / Esteban</p> <p>Exercise – complete all analysis and interviews Conger / Esteban</p>	<p>Exercise - Presentation of Working Groups Results Conger</p>
10:30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:00	<p>L3 Model Program for Root Cause Analysis – continued Emphasis on extent of condition and extent of cause. Conger</p> <p>L4 Information Gathering – Hardware Typical hardware failure signs, gather and preserve evidence, trace failures to causes, searching for data in &amp; outside Conger</p>	<p>L9 Change Analysis – Role of in accidents and model for identifying changes, Esteban</p> <p>Exercise – Change Analysis begins (with interview)</p>	<p>L12 Management Oversight and Tree (MORT) Analysis - Discussion and illustration of the Management Oversight and Risk Tree chart. Includes a detailed discussion of the major branches of the chart and how to select the appropriate branches for use during investigations. Conger</p>	<p>L13 Determining Causes and Report preparation, including Corrective Actions and Effectiveness Conger</p> <p>Exercise: Integrating Analytical Techniques and Report Preparation – working groups Conger / Esteban</p>	<p>- Course Evaluation</p> <p>- Closure of the Course – including round table discussion of the course with JRC leader</p>
12:30	Lunch break	Lunch break	Lunch break	Lunch break	
13:30	<p>L5 Events and Causal Factors Analysis - Guidelines, symbols and directions for sequencing an accident on events and causal factors chart. Conger</p>	<p>L10 Barrier Analysis - Using barrier analysis to describe, design and analyze systems for root causes. Esteban</p> <p>Exercise – Barrier Analysis start,</p>	<p>Exercise – MORT Analysis including safety culture and human performance (with interviews) Conger / Esteban</p>	<p>L14 Oral Briefings - How to prepare, organize and deliver an effective oral briefing Conger</p>	
15:00	Coffee break	Coffee break	Coffee break	Coffee break	
15:30	<p>L6 Investigative Interviewing – Conducting an interview, opening of the interview, question types/sequences, closing. Handling different types of interviewees, e.g., hostile, talkative, quiet. Conger</p>	<p>L11 Analytic Trees - uses, principles of construction, parts, examples, symbols, with emphasis on fault trees Conger</p> <p>Exercise: Fault Tree begin; E&amp;CFC; Change Analysis; Barrier Analysis update (with interviews) Conger / Esteban</p>	<p>MORT Exercise- continued (with interviews) Conger / Esteban</p>	<p>Exercise - Presentation of Working Groups Results Conger</p>	
17:00	<p>L7 Exercise – Case study introduction and lists. Conger</p>				