

DAY 1 – Incident Investigation Course

Time	Agenda	Index
1000 – 1015	Course Overview and Administration - Course Objectives - Overview of Workshop	
1015 – 1100	Introduction to Incident Investigation & Analysis - Why conduct Incident Investigation? - How Incident Investigation relates TMSA & ISM? What is an effective Incident Investigation? Introduction to the Loss Causation Model - Understanding Immediate Causes (Substandard Acts and Substandard Conditions) - Understanding Basic Causes (Job Factor & Personal Factor) Introduction to Incident and Accident Investigation tool - Marines Systematic Cause Analysis Techniques (M-SCAT)	2
1100 – 1230	Workshop 1 – Basic Application of M-SCAT Case Study – 1 “Carryall” Grounding	Case-1
1230 – 1330	Lunch	
1330 – 1400	Workshop Presentation and Discussion of Case-1	Case-1
1400 – 1500	Investigation in Practice - Process - STEP Diagram - Reporting - Corrective Action - Measurement and KPI - Trend	2
1500 – 1515	Break	
1515 – 1630	Workshop 2 – Actual Case Study Using M-SCAT & Y-model Case Study – 2 Fatal Accident by a Capstan	Case-2
1630 – 1700	Workshop Presentation and Discussion	
1700	End of Day 1	

DAY 2 – Incident Investigation Course (Continued) & Marine Risk Assessment

Time	Agenda	Index
0930-0945	Review of Day 1	
0945-1230	Workshop 3 – Actual Case Study Using STEP and M-SCAT Case – 3 Engine Room Flooding Workshop presentation and discussion	Case-3
1230-1330	Lunch	
1330-1430	Marine Risk Assessment What is Risk Management? Why conduct Risk Management?	5&6
1430-1530	Practical Techniques for Effective Risk Assessment – SWIFT <Structured What If Technique> (Facilitation)	7
1530-1545	Break	
1545-1700	HAZARD Identification Workshop – SWIFT (Case example)	Case-4
1700-1730	Presentation and discussion	
1730	End of Day 2	

DAY 3 – Marine Risk Assessment

Time	Agenda	Index
0930–0945	Review of Day 2	
0945–1045	Example of Risk Assessment Technique HAZOP, FMEA, SWIFT, Fault Tree, Event Tree	
1045–1100	Break	
1100–1130	Prioritizing Risk Using Matrices (Theory and Examples) Risk Matrices Workshop	8 (Case)
1130–1215	Making Decisions : Understanding Cost Benefit Assessments (CBA) and its applications CBA Workshop : Basic Application and Understanding	9 (Case)
1215–1230	The Way Forward and Close	10
1230	End of the Course	

三日目終了後、研修内容を十分に理解されかつ要求されたレベルに達したとみなされた方に DIPLOMA（修了証書）をお渡しします。

At the end of DAY 3, DIPLOMA will be issued to the participants who have fully understood the content of the training and successfully achieved the required standard.