Senior Maritime Operations Officer. (SMOO)
Search Planning
Duration: 10 Days

Modules	*Module Objective*	*Key results*	*Measured by*
A – Introduction	Confirm levels of pre-existing knowledge is to at least the level of the Search Plan Awareness Course	• Can recognise different types of Search Patterns. • Can describe information required to be passed to SRU's within Search Instructions. • Can explain definitions used in Land/maritime search • Limitations of SAR Assets/environmental factors.	• *Pre course learning. • Classroom Discussion. • Quiz.
B – Manual Search Planning – SAE - Rapid Response	Fully explain the principles behind Manual SAE for a rapid response model.	• Can identify the appropriate leeway value from SAR graphs and tables. • Can identify and apply appropriate error Values. • Can Populate relevant HM Coastguard forms used in manual search planning. • Can Plot a manual Rapid Response SAE	• Classroom Participation. • Course exercises. • Summative Assessment
C – Manual Search Planning - SAA	Using SAR graphs & Tables calculate appropriate Sweep widths and	• Can Identify the Visual sweep width appropriate in a range of scenarios and environmental factors. • Can explain the impact of visual/ detection aids/ radar searches on a sweep width. • Can explain the relationship of AVNST and describe how manipulation of one of the variables will impact the others.	• Classroom Participation. • Course exercises. • Summative Assessment

D. – THEMIS overview	Log in and demonstrate use of key functions within the system	• Can Log In to the system • Can change map layers • ** full content to be determined	• Classroom Participation. • Course exercises. • Summative Assessment
E. – RR using Themis	Understands when to create a Rapid response model and can manipulate the system to produce an appropriate search	• Can Create a Rapid response SAE using computer simulation. • Can apply appropriate leeway values. • Can enter appropriate weather data • Can identify an appropriate datum time	• Classroom Participation. • Course exercises. • Summative Assessment
F. - Datum Area	Understands when to create a Datum Area Model and can Manipulate the system to produce an appropriate search area.	• Can Create a Datum Area SAE using computer simulation. • Can apply appropriate leeway values. • Can enter appropriate weather data • Can identify an appropriate datum time	• Classroom Participation. • Course exercises. • Summative Assessment
G. – Particle Modelling	Understands the principles of particle Modelling and when HMCG will use this in preference to IAMSAR modelling	• Can create search plans using Mobidrift Modelling. • Can identify an appropriate search area based on the drift	• Classroom Participation. • Course exercises. • Summative Assessment
H. SAA Only/SAA	Can draw a Search area and manipulate the area with appropriate assets and navigable track spacings	• Can draw a search area based on required coordinates. • Can allocate SAR resources from library • Can create “local” resources • Can manipulate SAA for appropriate POD	• Classroom Participation. • Course exercises. • Summative Assessment
I. – Datum Line	Understands when to create a Datum Line Model and can Manipulate the system to produce an appropriate search area.	• Can Create a Rapid response SAE using computer simulation. • Can apply appropriate leeway values. • Can enter appropriate weather data • Can identify an appropriate datum time	• Classroom Participation. • Course exercises. • Summative Assessment
J - Backtrack	Understands when to create a Backtrack Model and can Manipulate the system to produce an appropriate search area.	• Can Create a Rapid response SAE using computer simulation. • Can apply appropriate leeway values to the found and the search objects • Can enter appropriate weather data	• Classroom Participation. • Course exercises. • Summative Assessment

		• Can identify an appropriate datum time	
K - Flare	Understands how to create a search area appropriate for use in a flare sighting and can Manipulate the system to produce an appropriate search.	• Can Create a Rapid response SAE using computer simulation. • Can apply appropriate leeway values. • Can enter appropriate weather data • Can identify an appropriate datum time	• Classroom Participation. • Course exercises. • Summative Assessment
L. - EISEC	Understands how to create a search area appropriate for use in following positioning using phone data and can Manipulate the system to produce an appropriate search	• Can Create a Rapid response SAE using computer simulation. • Can apply appropriate leeway values. • Can enter appropriate weather data • Can identify an appropriate datum time	• Classroom Participation. • Course exercises. • Summative Assessment
M – Reports and Search Instructions	Can access system generated reports.	• Can produce appropriate search instructions.	•
N - Search Suspension & Termination	Can explain the HMCG policy on Search suspension and termination	• Understands the difference between suspension & Termination • Can explain the parameters required for each.	• Classroom Participation. • Course exercises. • Summative Assessment
O - Search Planners Handover	Can effectively hand over a search incident to another search planner	• Can use Search planning notes to brief an incoming search planner. • Understands the detail required for effective continuation • Has knowledge of the implications of incomplete notes	• Classroom Participation. • Course exercises. • Summative Assessment
P - Practical Afloat Session	Using HMCG Vessels. Search plans can be created and search instructions passed (group split in 2 with ½ the group on board those ashore to conduct Manual and simulation produced search models	• Can create Search Plans in a timely manner based on information received. • Can pass search instructions to a Vessel • Can describe the limitations of search instructions.	TBA

		• Can explain roles onboard SRU and describe lookout function.	