



GEOSA
الهيئة العامة للمساحة
والمعلومات الجيومكانية
General Authority for Survey
and Geospatial Information



From: Saud Hamoud Al-Ruways
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To: Members, Associate Members, and Observers
ROPME Sea Area Hydrographic Commission
(RSAHC)

RSAHC10 Circular Letter

CL 03/2024

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Dear RSAHC colleagues,

Greetings from the Saudi Hydrographic Office and best wishes for the new year.

Referring to the decision No. (11) of the (RSAHC9) meeting which is highlighted, there should be an early notification of capacity building programs to get required approval from the authorities.

Therefore, we hope that you will provide us with your needs from the attached plan (RSAHC9-11.2_Table of CB Activities) for capacity building programs for the years 2024, 2025, and 2026 individually.

It is appreciated if we could receive your needs before 18 January 2024.

With kind regards,

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(RSAHC9-11.2_Table of CB Activities)

Phase	Activity	Project Objective	Target Audience
	<u>Technical and Advisory Visits</u>		
0.1	High level visit to governmental authorities	To raise government awareness of their SOLAS treaty obligations	Related Ministries and Heads of National Agencies, particularly governmental decision makers
0.2	Technical assessment and advice visit	Provide advice to identify how coastal states meet their hydrographic and MSI responsibilities Agencies.	Maritime Sector National Stakeholders and decision makers
0.3	Technical Implementation Visit	To audit the state of recommendations made as a result of previous technical visits	Maritime Sector National Agencies. Stakeholders and decision makers
0.4	Seminar on Raising Awareness of Hydrography	Maritime Sector National Agencies.	Stakeholders and decision makers
	<u>Technical Workshops, Seminars, Short Courses</u>		
1.1	MSI Course (3 days) Training on establishment of MSI structure and basic MSI procedures	To establish a core group of trained persons to deal with MSI	MSI Practitioners
1.2	Phase 1 Skills (5 days) An introduction to the assessment and promulgation of navigational significant data	To provide a core group with the skills and knowledge to assess and promulgate navigational significant information to the wider maritime community (this course supports the MSI course)	MSI Practitioners
1.3	MSI Workshop (3 days)	To reinforce the learning at 1.1 above	MSI Practitioners
2.1	Basic Hydrographic Survey Course (10 days)	To provide awareness of national hydrography, hydrographic surveying and nautical cartography	Maritime Sector Decision Makers
2.2	Port and Shallow Water Survey Course (5 days)	A workshop to aid exchange of information and ideas about the challenges faced by port and shallow water surveyors in the RSAHC region	Port Surveyors
2.3	MBES Processing (5 days)	To train a group of hydrographic surveyors the techniques required to post-process MBES data	Hydrographic Practitioners
2.4	MSDI and Database Management (5 days)	To give participants an understanding of spatial data	Government Planners

(RSAHC9-11.2_Table of CB Activities)

		infrastructures (SDI) including the importance and role of data management and databases	
2.5	Tides and Water Level Workshop (5 days)	To provide fundamental knowledge and understanding of tides and water level, and their applications for hydrographic surveying and mapping activities	Hydrographic Practitioners
2.6	Seabed Classification Workshop (5 days)	To provide a group of professionals with the skill and knowledge to use acoustic techniques to map extensive seabed surfaces and to determine the products of seabed mapping	Hydrographic Practitioners
3.1	Basic ENC and ENC Production course (10 days)	To train a group of professionals with a practical introduction to S-57 data	Cartographic Practitioners
3.2	ENC Production and QA (5 days)	To train a group of professionals to verify and validate S-57 data	Cartographic Practitioners
4.1	Law of the Sea Workshop (5 days)	To teach participants the basic technical principles applicable to maritime boundary delimitation. The delegates should be from technical hydrographic or cartographic backgrounds	Maritime Sector Decision Makers
4.2	Tsunami inundation mapping workshop (5 days)	To improve the modelling and presentation of regional tsunami inundation maps	Maritime Sector and emergency planning
4.3	Foundation Module of the Marine Cartography & Data Assessment (MCDA) CAT B Course (3 weeks)	To provide participants with the knowledge of cartographic basics covering the underlying details of the nautical chart.	Cartographic Practitioners
4.4	Compilation Module of the Marine Cartography & Data Assessment (MCDA) CAT B Course (5 weeks)	A highly practical module where the student will compile into a database all the relevant nautical chart content in compliance with IHO S-57 using CARIS S-57 Composer software.	Cartographic Practitioners
4.5	Product Construction Module of the Marine Cartography & Data Assessment (MCDA) CAT B Course (2 weeks)	This module covers the production of an ENC base cell including ENC validation and exchange set creation using CARIS S-57 Composer together with the production of a Paper Chart using CARIS Paper Chart Composer.	Cartographic Practitioners
4.6	Data Assessment Module of the Marine	This module focuses on decision making and processing of new	Cartographic Practitioners

(RSAHC9-11.2_Table of CB Activities)

	Cartography & Data Assessment (MCDA) CAT B Course (3 weeks)	information using software and traditional checking processes.	
4.7	Maintenance Module of the Marine Cartography & Data Assessment (MCDA) CAT B Course (2 weeks)	Another highly practical module which features Notice to Mariner updating of digital and paper products together with New Edition maintenance of the ENC and Paper Chart.	Cartographic Practitioners
	<u>Long Courses and Programmes</u>		
HA	Category "A" Hydrographic Programme	A recognized CAT A level Programme in accordance with IHO Publication S-5 – <i>Standards of Competence for Hydrographic Surveyors</i>	Hydrographic Managers
HB	Category "B" Hydrographic Programme	A recognized CAT B level Programme in accordance with IHO Publication S-5 – <i>Standards of Competence for Hydrographic Surveyors</i>	Hydrographic Practitioners
CA	Category "A" Nautical Cartography Programme	A recognized CAT A level Programme in accordance with IHO Publication S-8 – <i>Standards of Competence for Nautical Cartographers</i>	Cartographic Managers
CB	Category "B" Nautical Cartography Programme	A recognized CAT A level Programme in accordance with IHO Publication S-8 – <i>Standards of Competence for Nautical Cartographers</i>	Cartographic Practitioners
	<u>On-the-job and onboard training</u>		
OJ	On-the-job training		
OB	Onboard training		