

INTERNATIONAL HYDROGRAPHIC ORGANIZATION
CAPACITY BUILDING SUB-COMMITTEE (CBSC)

CBSC14 Meeting
Abu Dhabi, 24-26 May 2016

Document CBSC14-09.3 Draft 2017 Management Plan

This document is prepared with the compilation of the submissions received from the
Regional Hydrographic Commissions (Procedures 1 and 4)

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Note: for the modified activities, please see comments on the right margin at page 10.

Alberto Costa Neves
Assistant Director
CBSC Secretary
IHB, 18 May 2016

INTERNATIONAL HYDROGRAPHIC ORGANIZATION
CAPACITY BUILDING SUB-COMMITTEE
DRAFT MANAGEMENT PLAN 2017

Submitted Projects for 2017

CB Phase	Number of projects submitted	Amount (Euros)	%
0	7	161 600	28,9
1	4	55 460	9,9
2	11	252 212	45,0
3	5	69 000	12,3
4	1	21 750	3,9
Total	28	560 022,00	100

RHC	Number of projects submitted	Amount (Euros)	%
EAHC	3	69 120,00	6,4
EAtHC	4	42 600,00	3,9
MACHC	4	66 434,00	6,1
MBSHC	1	21 750,00	2,0
NIOHC	4	46 974,00	4,3
RSAHC	2	34 200,00	3,2
SAIHC	1	14 859,00	1,4
SEPRHC	2	51 385,00	4,7
SWAtHC	3	63 700,00	5,9
SWPHC	4	149 000,00	13,7
IHB	0	0,00	0,0
IHO/ROK	3	328 700,00	30,3
Japan	1	195 000,00	18,0
Total	32	1 083 722,00	100,0

Note: do not edit this page!

Sponsor RHC	Year of Execution	Countries involved	Priority	Project Name	Project Objective	Benefits	Assistance required	Cost (Euro)	Contact Person
EAHC	2017	EAHC Members	1	TFT Hydro	As a follow up course to train up a pool of Trainers in each EAHC Member State office so that they can conduct training for their respective office. This would be especially useful in States where English is not their mother tongue.	To build up new survey officers through a structured training programme in a cost effective way. Greater benefits will be achieved from the non-English speaking offices.	CB Funds for course fees, accommodation costs and return flights.	60 000,00 €	Mr. Junghyun KIM This is a earmarked project and will not be shown in the Procedure 4 tab
EAHC	2017	EAHC Members	2	Hydrographic Survey for Disaster Management and Relief	To introduce the hydrographic survey and nautical chart preparation techniques for planning disaster management and maritime environmental preservation.	For MS to understand the usage of geographical space information for planning disaster management and maritime environmental preservation	CB Funds for course fees, accommodation costs and return flights.	23 040,00 €	Mr. Junghyun KIM
EAHC	2017	EAHC Members	3	Use of GNSS for tide correction for survey	To introduce the uses of GNSS/WADGP data for tide reduction.	To understand the principles and use of GNSS/WADGPS data for tide reduction.	CB Funds for course fees, accommodation costs and return flights.	23 040,00 €	Mr. Junghyun KIM
EAHC	2017	EAHC Members	4	Lidar and Satellite Derived Bathymetry Workshop	To introduce and share the multispectrum LiDAR and SDB as one of methods of determining bathymetry.	Introduction and sharing the principles and techniques of LiDAR and SDB.	CB Funds for course fees, accommodation costs and return flights.	23 040,00 €	Mr. Junghyun KIM
EAtHC	2017	Gambia	1	Technical visit	Advise on a way forward	Provide guidance to Gambia to build up national hydrographic capability to meet national and international obligations		5 000,00 €	Eric Langlois (SHOM)
EAtHC	2017	France	2	MSI E-learning guided sessions.	Organize guided sessions for the on-line MSI course	Better access to MSI educational material, cost-efficiency related to MSI courses	Financial support to tutoring fees, platform host and domain fees	2 600,00 €	Eric Langlois (SHOM)
EAtHC	2017	France	3	HydroMOWCA study follow-up	Promotion and achievement of the EAtHC CB programme	Funding the EAtHC CB Programme set by the HydroMOWCA study	Fundings to perform on-site visits to funding bodies	15 000,00 €	Eric Langlois (SHOM)
EAtHC	2017	France	4	E-learning development on basic hydrographic training	Developing a blended e-learning course for 'field operator in hydrography	Various benefits for IHO funded courses: cost reduction, increased access, follow-up on students, improved candidate selection.	Funds	20 000,00 €	Eric Langlois (SHOM)

Sponsor RHC	Year of Execution	Countries involved	Priority	Project Name	Project Objective	Benefits	Assistance required	Cost (Euro)	Contact Person
MACHC	2017	Initially Bahamas, Belize, Costa Rica, Dominican Republic, El Salvador, Guyana, Haiti, Honduras, Nicaragua, and Panama have been	1	MSI Course	To establish capacity in MSI so that Maritime Authorities can provide high quality services to comply with the basic requirements for safety of navigation in the area	Improving maritime safety and compliance with SOLAS	Travel & Subsistence for 2 trainers and 9 students	16 027,00 €	Jeff Bryant (MACHC CB Coordinator)
MACHC	2017	Bahamas, El Salvador, Honduras, Montserrat, Nicaragua, Turks & Caicos (plus four other nations yet to be determined)	2	Seminar on Raising Awareness of Hydrography (for MACHC Associate and Non Members)	To ensure that countries in the MACHC region are made aware that the provision of hydrographic services is an international obligation under treaty law affecting all Member States (MS) of the	Participants will gain a better understanding of the regulatory framework which supports hydrography and how this can benefit a coastal state (Blue Economy etc)	The contribution from the CBSC fund will cover travel and subsistence for one representative from each of the 11 countries involved. The representatives will be expected to stay on for the	15 500,00 €	Jeff Bryant (MACHC CB Coordinator)
MACHC	2017	Dominican Republic and El Salvador	3	Technical Implementation Visits to Dominican Republic and El Salvador	To assist and advise Dominican Republic and El Salvador to fully implement the recommendations in the IHO reports of the 2012 & 2010 technical and advisory visits.	Understanding of SOLAS obligations and ways in which to meet them. A robust MSI promulgation process. Improved charting of the region.	Travel & Subsistence for two experts	8 400,00 €	Jeff Bryant (MACHC CB Coordinator)
MACHC	2017	Bahamas, Belize, Dominican Republic, El Salvador, Guyana, Honduras & Nicaragua	4	Basic Hydrographic Survey Course	To train survey operations personnel in accordance with Phase 2 of IHO's Capacity Building procedures	Improved understanding of survey requirements and the operation of basic equipment	Travel & Subsistence for 2 trainers and 8 students + (1 local)	26 507,00 €	Jeff Bryant (MACHC CB Coordinator)
MBSHC	2017	14 (MBSHC MSs and Non-Member States in MBS area)	1	Workshop on Technical Aspects of Maritime Boundaries	To each participants the basic technical principles to maritime boundary delimitation	Participant will have knowledge on the technical aspects of implementing the UNCLOS		21 750,00 €	LCDR.Eşref GÜNSAY ONHO,
NIOHC	2017	NIOHC, Members States	1	MSI (training on establishment of MSI structure and basic MSI procedures)	To establish capacity in MSI so that Maritime Authorities can provide high quality services to comply with the basic requirements for safety of navigation in the area	Improving maritime safety and compliance with SOLAS	Fund Travel & subsistence for up to 10 students, together with x2 MSI instructors	21 974,00 €	Jeff Bryant (NIOHC CB Coordinator)
NIOHC	2017	Seychelles	2	Technical Visit to Government high authorities – the Seychelles	Raise the profile of hydrography at the highest level in the Seychelles	Greater understanding at the highest levels and continued funding	Fund Travel & subsistence for 2 persons (IHB + one other to undertake the visit)	8 000,00 €	Jeff Bryant (NIOHC CB Coordinator)

Sponsor RHC	Year of Execution	Countries involved	Priority	Project Name	Project Objective	Benefits	Assistance required	Cost (Euro)	Contact Person
NIOHC	2017	Bangladesh	3	Advanced Chart Production	To train the whole cartographic production team in the use of the new systems as well as defining workflow from receipt of data from the survey vessel into the chart production workflow	Better and more efficient outputs from the production system which will mean better and safer charts	Fund Travel & subsistence for 1 trainer	8 500,00 €	Jeff Bryant (NIOHC CB Coordinator)
NIOHC	2017	Myanmar	4	Advanced Chart Production	To train the whole cartographic production team in the use of the new systems as well as defining workflow from receipt of data from the survey vessel into the chart production workflow	Better and more efficient outputs from the production system which will mean better and safer charts	Fund Travel & subsistence for 1 trainer	8 500,00 €	Jeff Bryant (NIOHC CB Coordinator)
RSAHC	2017	Bahrain & Qatar	1	Technical Visit (visit to maritime/port authorities) in Bahrain & Qatar	1. Technical Advisory and Assessment visit by IHB approved consultant & RSAHC CB Coordinator 2. Prepare a phased action plan to develop the necessary hydrographic infrastructure	Promote in-country hydrographic services and active national coordinator for MSI	Fund Travel & subsistence for IHB endorsed consultant and RSAHC CB Coordinator	9 700,00 €	Jeff Bryant (RSAHC CB Coordinator)
RSAHC	2017	RSAHC Member States	2	Basic ENC & ENC Production	To gain an understanding of the international standards relating to Electronic Charts, the IHO Standard S-57, and the regulations, role and purpose of Electronic Navigational Charts.	Improved knowledge of the production, distribution and use of ENCs	Fund Travel & subsistence for up to 8 students, together with x2 UKHO trainers	24 500,00 €	Jeff Bryant (RSAHC CB Coordinator)
SAIHC	2017	Angola, Comoros, Kenya, Madagascar, Malawi, Mauritius, Mozambique, Namibia, Seychelles & Tanzania	1	MSI Course (3 days)	To establish capacity in MSI so that Maritime Authorities can provide high quality services to comply with the basic requirements for safety of navigation in the area	Improving maritime safety and compliance with SOLAS	Travel & Subsistence for 2 trainers and 9 students (1 local)	14 859,00 €	Jeff Bryant (SAIHC CB Coordinator)
SEPRHC	2017	Colombia (2) Chile (2) Peru (2) Ecuador (2)	1	Workshop on Bathymetric Database	Improve knowledge of the specialists on this subject. The workshop will be aimed at acquiring basic knowledge of Bathymetric Data Base methodology, applied to bathymetric data administration.	Improve knowledge of the specialists on use of methodology for bathymetric data management.	CARIS Enterprise instructors	22 000,00 €	Lt Jorge TALAVERA

Sponsor RHC	Year of Execution	Countries involved	Priority	Project Name	Project Objective	Benefits	Assistance required	Cost (Euro)	Contact Person
SEPRHC	2017	Colombia (2) Chile (2) Peru (2) Ecuador (2)	2	Workshop offshore surveys (geophysical analysis and identification of seamounts)	To acquire on methodology offshore surveys (geophysical analysis and identification of seamounts), applied to define submarine accidents and geophysical studies	To acquire basic knowledge about offshore surveys (geophysical analysis and identification of seamounts).	Enterprise instructors	29 385,00 €	Lt Jorge TALAVERA
SWATHC	2017	Argentina, Brazil, Uruguay, Paraguay, Bolivia, as well as SEPHC, and MACHC.	1	Bathymetry training course using RTK technology	To increase the capacity of Latin American hydrographers to perform bathymetry using RTK technology.	The main purpose is to achieve the IHO S-44 standards on bathymetric data, especially on positioning, improving the quality of nautical charts. This training will allow the Hydrographic Services to develop products INT/ENC with better accuracy.	21 000,00 € from CB Fund	18 000,00 €	Capt.Carvalho (DHN)
SWATHC	2017	Argentina, Brazil, Uruguay, 4 MACHC MS and 4 SEPHC MS	2	Digital Photogrammetry with satellite images	Disseminate and increase the use of Digital Photogrammetry with satellite images in nautical chart production.	Improve nautical charts and ENCs production and updating methods allowing quality enhancement and cost reduction using the provided tools and knowledge.	31 200,00 € from CB Fund	26 200,00 €	Cmdr Gustavo ALMAZAN (SHN) ARGENTINA
SWATHC	2017	Argentina, Brazil, Uruguay, Paraguay, Bolivia, as well as SEPHC, and MACHC. Obs. : Other four Latin American countries could be invited.	3	Data management WORKSHOP	To increase the Latin American capability on Data Management in order to properly use geo-referenced Data bases (i.e. ENC database).	More qualified hydrographers to use Nautical Charts database products within the South American region. The more qualified hydrographers would benefit the final quality of ENC production. The main purpose is to discuss how Data Management can improve MS meeting of the IHO -S57 standards and future IHO-S100 and enhancing of their Nautical Charts quality.	21 500,00 € from CB Fund	19 500,00 €	Cdr. Jorge LEMOS (SOHMA)
SWPHC	2017	Fiji	1	MBES Technical Workshop	This training will enhance the knowledge of Fiji Navy in MBES operations and data processing	Improved understanding and collaboration on MBES knowledge for Fiji Navy	Fund 2 instructors for travel & subsistence to deliver training	11 000,00 €	CDRE Brett BRACE, RAN (Hydrographer of Australia)

Sponsor RHC	Year of Execution	Countries involved	Priority	Project Name	Project Objective	Benefits	Assistance required	Cost (Euro)	Contact Person
SWPHC	2017	Solomon Islands	2	Solomon Islands Nautical Cartographer Development	Develop cartographic skills	Increased capacity of Solomon Islands Hydrographic Unit	Funding for travel, accommodation and subsistence for 1 person	8 000,00 €	Clifford Olisukulu
SWPHC	2017	Fiji, PNG, Solomon Is, Vanuatu & Tonga	3	SW Pacific Region Industry Survey Project	Assisting IHO MS in the region to build capacity to achieve CB Phase 2, i.e. creation of a survey capability to conduct coastal and offshore projects.	Accurate and adequate charting for SWPHC IHO MS	Funding for third party expenses such as airfares, accommodation, meals and equipment freight costs	30 000,00 €	CDRE Brett BRACE, RAN (Hydrographer of Australia)
SWPHC	2017	PNG, AU, NZ	4	PNG Hydrographic Risk Assessment	Fulfill SOLAS obligations (To assist PNG to prioritise charting improvements and related maritime safety initiatives)	Fulfill SOLAS obligations (To assist PNG to prioritise charting improvements and related maritime safety initiatives)	Fund a Hydrography Risk Assessment for PNG	100 000,00 €	CDRE Brett BRACE, RAN (Hydrographer of Australia)
Total:								620 022,00 €	

RHC	Project Name	1	2	3	4	5	6	7	8	9	Total	Phase	Priority	Resources	Sum	Observation
EAHC	MSI E-learning guided sessions.	3	10	5	0	10	3	5	0	5	41	1	1	2 600	2 600	
SWPHC	PNG Hydrographic Risk Assessment	5	10	1	5	10	0	5	0	5	41	0	2	100 000	102 600	One country
EAHC	Technical visit to Gambia	3	10	1	0	10	5	5	0	5	39	0	3	5 000	107 600	
MACHC	MSI Course	3	10	5	3	7	5	4	-2	4	39	1	4	16 027	123 627	
NIOHC	MSI (training on establish of MSI structure and basic MSI procedures)	3	10	5	3	7	5	4	-2	4	39	1	5	21 974	145 601	
SAIHC	MSI Course (3 days)	3	10	5	3	7	5	3	-1	4	39	1	6	14 859	160 460	
SWPHC	SW Pacific Region Industry Survey Project	5	5	1	5	10	1	5	0	5	37	2	7	30 000	190 460	
SWPHC	MBES Technical Workshop	3	5	1	5	8	5	5	0	5	37	2	8	11 000	201 460	
MACHC	Seminar on Raising Awareness of Hydrography	5	10	5	0	6	5	4	-3	3	35	0	9	15 500	216 960	
EAHC	HydroMOWCA study follow-up	3	5	5	0	10	1	5	0	5	34	0	10	15 000	231 960	
EAHC	Hydrographic Survey for Disaster Management and Relief	3	5	5	0	6	3	5	0	5	32	2	11	23 040	255 000	Needness?
EAHC	E-learning development on basic hydrographic training	3	5	5	0	10	0	5	0	5	33	2	12	20 000	275 000	
NIOHC	Technical Visit to Government high authorities - the Seychelles	5	10	1	4	6	3	4	-2	2	33	0	13	8 000	283 000	
MACHC	Technical Implementation Visits to Dom. Republic and El Salvador	5	10	1	3	7	1	3	-2	4	32	0	14	8 400	291 400	
SWAHC	Bathymetry training course using RTK technology	3	5	1	1	6	5	5	0	5	31	2	15	18 000	309 400	Non-MSs
RSAHC	Technical Visit to Bahrain and Qatar	5	10	1	2	0	5	4	-1	4	30	0	16	9 700	319 100	
SEPRHC	Workshop on Bathy Database	3	5	1	0	7	5	5	-1	5	30	2	17	22 000	341 100	
NIOHC	Advanced Chart Production (Bangladesh)	3	1	1	4	10	1	5	0	4	29	3	18	8 500	349 600	
SEPRHC	Workshop offshore surveys (geophysical analysis and identification of se	3	5	1	0	7	3	5	0	5	29	2	19	29 385	378 985	
SWAHC	Digital Photogrammetry with satellite images	3	5	1	1	6	3	5	0	5	29	2	20	26 200	405 185	Non-MSs
MBSHC	Workshop on Technical Aspects of Maritime Boundaries	3	1	5	0	4	5	5	0	5	28	4	21	21 750	426 935	Non-MSs
NIOHC	Advanced Chart Production (Myanmar)	3	1	1	4	10	0	5	0	4	28	3	22	8 500	435 435	
SWPHC	Solomon Islands Nautical Cartographer Development	3	1	1	3	10	3	5	-2	4	28	3	23	8 000	443 435	
MACHC	Basic Hydrographic Survey Course	3	5	5	0	7	0	4	-1	3	26	2	24	26 507	469 942	Non-MSs
EAHC	Use of GNSS for tide correction for survey	3	5	5	0	6	1	5	0	5	30	2	25	23 040	492 982	Needness?
EAHC	Lidar and Satellite Derived Bathymetry Workshop	3	5	5	0	6	0	5	0	5	29	2	26	23 040	516 022	Needness?
RSAHC	Basic ENC & ENC Production	3	1	3	4	1	3	4	0	4	23	3	27	24 500	540 522	Needness?
SWAHC	Data management WORKSHOP	3	1	1	0	6	1	5	-2	5	20	3	28	19 500	560 022	Non-MSs

INTERNATIONAL HYDROGRAPHIC ORGANIZATION
CAPACITY BUILDING SUB-COMMITTEE
MANAGEMENT PLAN 2017

CBSC14 -09.3

RHC	Project Name	1	2	3	4	5	6	7	8	9	Total	Phase	Priority	Resources	Sum	Observation
IHO/ROK	ROK Category A Programme											2		184 000	184 000	ROK earmarked
IHO/ROK	Trainer for Trainer - Basic Hydrography											2		60 000	244 000	ROK earmarked
IHO/ROK	ROK Category B Programme (third phase)											3		84 700	328 700	ROK earmarked
Japan	Nippon Chart Project											3		195 000	523 700	Nippon earmarked
EAtHC	MSI E-learning guided sessions.	3	10	5	0	10	3	5	0	5	41	1	1	2 600	2 600	0
SWPHC	PNG Hydrographic Risk Assessment	5	10	1	5	10	0	5	0	5	41	0	2	100 000	102 600	One country
EAtHC	Technical visit to Gambia	3	10	1	0	10	5	5	0	5	39	0	3	5 000	107 600	0
MACHC	MSI Course	3	10	5	3	7	5	4	-2	4	39	1	4	16 027	123 627	0
NIOHC	MSI (training on establish of MSI structure and basic MSI procedures)	3	10	5	3	7	5	4	-2	4	39	1	5	21 974	145 601	0
SAIHC	MSI Course (3 days)	3	10	5	3	7	5	3	-1	4	39	1	6	14 859	160 460	0
SWPHC	SW Pacific Region Industry Survey Project	5	5	1	5	10	1	5	0	5	37	2	7	30 000	190 460	0
SWPHC	MBES Technical Workshop	3	5	1	5	8	5	5	0	5	37	2	8	11 000	201 460	0
MACHC	Seminar on Raising Awareness of Hydrography	5	10	5	0	6	5	4	-3	3	35	0	9	15 500	216 960	0
EAtHC	HydroMOWCA study follow-up	3	5	5	0	10	1	5	0	5	34	0	10	15 000	231 960	0
EAHC	Hydrographic Survey for Disaster Management and Relief	3	5	5	0	6	3	5	0	5	32	2	11	23 040	255 000	Needness?
EAtHC	E-learning development on basic hydrographic training	3	5	5	0	10	0	5	0	5	33	2	12	20 000	275 000	0
NIOHC	Technical Visit to Government high authorities - the Seychelles	5	10	1	4	6	3	4	-2	2	33	0	13	8 000	283 000	0
MACHC	Technical Implementation Visits to Dom. Republic and El Salvador	5	10	1	3	7	1	3	-2	4	32	0	14	8 400	291 400	0
SWAtHC	Bathymetry training course using RTK technology	3	5	1	1	6	5	5	0	5	31	2	15	18 000	309 400	Non-MSs
RSAHC	Technical Visit to Bahrain and Qatar	5	10	1	2	0	5	4	-1	4	30	0	16	9 700	319 100	0
SEPRHC	Workshop on Bathy Database	3	5	1	0	7	5	5	-1	5	30	2	17	22 000	341 100	0
NIOHC	Advanced Chart Production (Bangladesh)	3	1	1	4	10	1	5	0	4	29	3	18	8 500	349 600	0
SEPRHC	Workshop offshore surveys (geophysical analysis and identification of seamounts)	3	5	1	0	7	3	5	0	5	29	2	19	29 385	378 985	0
SWAtHC	Digital Photogrammetry with satellite images	3	5	1	1	6	3	5	0	5	29	2	20	26 200	405 185	Non-MSs
MBSHC	Workshop on Technical Aspects of Maritime Boundaries	3	1	5	0	4	5	5	0	5	28	4	21	21 750	426 935	Non-MSs
NIOHC	Advanced Chart Production (Myanmar)	3	1	1	4	10	0	5	0	4	28	3	22	8 500	435 435	0
SWPHC	Solomon Islands Nautical Cartographer Development	3	1	1	3	10	3	5	-2	4	28	3	23	8 000	443 435	0
MACHC	Basic Hydrographic Survey Course	3	5	5	0	7	0	4	-1	3	26	2	24	26 507	469 942	Non-MSs
EAHC	Use of GNSS for tide correction for survey	3	5	5	0	6	1	5	0	5	30	2	25	23 040	492 982	Needness?
EAHC	Lidar and Satellite Derived Bathymetry Workshop	3	5	5	0	6	0	5	0	5	29	2	26	23 040	516 022	Needness?
RSAHC	Basic ENC & ENC Production	3	1	3	4	1	3	4	0	4	23	3	27	24 500	540 522	Needness?
SWAtHC	Data management WORKSHOP	3	1	1	0	6	1	5	-2	5	20	3	28	19 500	560 022	Non-MSs
RHC	Project Name	1	2	3	4	5	6	7	8	9	Total	Phase	Priority	Resources	Sum	
	Procedure 4 maximum score	5	10	5	5	10	5	5	0	5	50				1 083 722	

INTERNATIONAL HYDROGRAPHIC ORGANIZATION
CAPACITY BUILDING SUB-COMMITTEE
MANAGEMENT PLAN 2017

In-kind

IMO

IMO

Nippon

Regional Course in Basic Hydrography and Hydrographic Governance for Lusophone Africa
Regional Seminar on Safety of Navigation in the South West Pacific
GEBCO Training Project

RHC	Project Name	1	2	3	4	5	6	7	8	9	Total	Phase	Priority	Resources	Sum	Observation
EAtHC	MSI E-learning guided sessions.	3	10	5	0	10	3	5	0	5	41	1	1	2 600	2 600	
EAtHC	Technical visit to Gambia	3	10	1	0	10	5	5	0	5	39	0	2	5 000	7 600	
MACHC	MSI Course	3	10	5	3	7	5	4	-2	4	39	1	3	16 027	23 627	
NIOHC	MSI (training on establish of MSI structure, basic MSI procedures)	3	10	5	3	7	5	4	-2	4	39	1	4	21 974	45 601	
SAIHC	MSI Course (3 days)	3	10	5	3	7	5	3	-1	4	39	1	5	14 859	60 460	
SWPHC	SW Pacific Region Industry Survey Project	5	5	1	5	10	1	5	0	5	37	2	6	30 000	90 460	
SWPHC	MBES training for Fiji	3	5	1	5	8	5	5	0	5	37	2	7	11 000	101 460	
MACHC	Seminar on Raising Awareness of Hydrography	5	10	5	0	6	5	4	-3	3	35	0	8	15 500	116 960	
EAtHC	HydroMOWCA study follow-up	3	5	5	0	10	1	5	0	5	34	0	9	15 000	131 960	
EAtHC	E-learning development on basic hydrographic training	3	5	5	0	10	0	5	0	5	33	2	10	20 000	151 960	
NIOHC	Technical Visit to Government high authorities of Seychelles	5	10	1	4	6	3	4	-2	2	33	0	11	8 000	159 960	
EAHC	Hydrographic Survey for Disaster Management and Relief	3	5	5	0	6	3	5	0	5	32	2	12	16 760	176 720	Ok
MACHC	Technical Implementation Visits to Dom. Republic and El Salvador	5	10	1	3	7	1	3	-2	4	32	0	13	8 400	185 120	
SWAtHC	Bathymetry training course using RTK technology	3	5	1	1	6	5	5	0	5	31	2	14	14 400	199 520	Ok
RSAHC	Technical Visit to Bahrain and Qatar	5	10	1	2	0	5	4	-1	4	30	0	15	9 700	209 220	
SEPRHC	Workshop on Bathy Database	3	5	1	0	7	5	5	-1	5	30	2	16	22 000	231 220	
EAHC	Use of GNSS for tide correction for survey	3	5	5	0	6	1	5	0	5	30	2	17	16 760	247 980	Ok
NIOHC	Advanced Chart Production (Bangladesh)	3	1	1	4	10	1	5	0	4	29	3	18	8 500	256 480	
SEPRHC	Workshop offshore surveys (geophysical analysis and identification of se	3	5	1	0	7	3	5	0	5	29	2	19	29 385	285 865	
SWAtHC	Digital Photogrammetry with satellite images	3	5	1	1	6	3	5	0	5	29	2	20	26 200	312 065	Ok
EAHC	Lidar and Satellite Derived Bathymetry Workshop	3	5	5	0	6	0	5	0	5	29	2	21	16 760	328 825	Ok
MBSHC	Workshop on Technical Aspects of Maritime Boundaries	3	1	5	0	4	5	5	0	5	28	4	22	21 750	350 575	Non-MSs
NIOHC	Advanced Chart Production (Myanmar)	3	1	1	4	10	0	5	0	4	28	3	23	8 500	359 075	
SWPHC	Solomon Islands Nautical Cartographer Development	3	1	1	3	10	3	5	-2	4	28	3	24	8 000	367 075	
MACHC	Basic Hydrographic Survey Course	3	5	5	0	7	0	4	-1	3	26	2	25	0	367 075	Ok
RSAHC	Basic ENC & ENC Production	3	1	3	4	1	3	4	0	4	23	3	26	14 940	382 015	Ok
SWAtHC	Data management WORKSHOP	3	1	1	0	6	1	5	-2	5	20	3	27	19 500	401 515	Ok
SWPHC	PNG Hydrographic Risk Assessment	5	10	1	5	10	0	5	0	-17	19	0	28	100 000	501 515	Ok

1) Support for non-MSs on Visits and Phase 1

2) No support for MSs with GDP per Capita greater than 20 000 USD

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CBSC14 -09.3

RHC	Project Name	1	2	3	4	5	6	7	8	9	Total	Phase	Priority	Resources	Sum	Observation
IHO/ROK	ROK Category A Programme											2		184 000	184 000	ROK earmarked
IHO/ROK	Trainer for Trainer - Basic Hydrography											2		60 000	244 000	ROK earmarked
IHO/ROK	ROK Category B Programme (third phase)											3		84 700	328 700	ROK earmarked
Japan	Nippon Chart Project											3		195 000	523 700	Nippon earmarked
EAtHC	MSI E-learning guided sessions.	3	10	5	0	10	3	5	0	5	41	1	1	2600	2600	
EAtHC	Technical visit to Gambia	3	10	1	0	10	5	5	0	5	39	0	2	5000	7600	
MACHC	MSI Course	3	10	5	3	7	5	4	-2	4	39	1	3	16027	23627	
NIOHC	MSI (training on establish of MSI structure, basic MSI procedures)	3	10	5	3	7	5	4	-2	4	39	1	4	21974	45601	
SAIHC	MSI Course (3 days)	3	10	5	3	7	5	3	-1	4	39	1	5	14859	60460	
SWPHC	SW Pacific Region Industry Survey Project	5	5	1	5	10	1	5	0	5	37	2	6	30000	90460	
SWPHC	MBES training for Fiji	3	5	1	5	8	5	5	0	5	37	2	7	11000	101460	
MACHC	Seminar on Raising Awareness of Hydrography	5	10	5	0	6	5	4	-3	3	35	0	8	15500	116960	
EAtHC	HydroMOWCA study follow-up	3	5	5	0	10	1	5	0	5	34	0	9	15000	131960	
EAtHC	E-learning development on basic hydrographic training	3	5	5	0	10	0	5	0	5	33	2	10	20000	151960	
NIOHC	Technical Visit to Government high authorities of Seychelles	5	10	1	4	6	3	4	-2	2	33	0	11	8000	159960	
EAHC	Hydrographic Survey for Disaster Management and Relief	3	5	5	0	6	3	5	0	5	32	2	12	16760	176720	Ok
MACHC	Technical Implementation Visits to Dom. Republic and El Salvador	5	10	1	3	7	1	3	-2	4	32	0	13	8400	185120	
SWAtHC	Bathymetry training course using RTK technology	3	5	1	1	6	5	5	0	5	31	2	14	14400	199520	Ok
RSAHC	Technical Visit to Bahrain and Qatar	5	10	1	2	0	5	4	-1	4	30	0	15	9700	209220	
SEPRHC	Workshop on Bathy Database	3	5	1	0	7	5	5	-1	5	30	2	16	22000	231220	
EAHC	Use of GNSS for tide correction for survey	3	5	5	0	6	1	5	0	5	30	2	17	16760	247980	Ok
NIOHC	Advanced Chart Production (Bangladesh)	3	1	1	4	10	1	5	0	4	29	3	18	8500	256480	
SEPRHC	Workshop offshore surveys (geophysical analysis and identification of seamounts)	3	5	1	0	7	3	5	0	5	29	2	19	29385	285865	
SWAtHC	Digital Photogrammetry with satellite images	3	5	1	1	6	3	5	0	5	29	2	20	26200	312065	Ok
EAHC	Lidar and Satellite Derived Bathymetry Workshop	3	5	5	0	6	0	5	0	5	29	2	21	16760	328825	Ok
MBSHC	Workshop on Technical Aspects of Maritime Boundaries	3	1	5	0	4	5	5	0	5	28	4	22	21750	350575	Non-MSs
NIOHC	Advanced Chart Production (Myanmar)	3	1	1	4	10	0	5	0	4	28	3	23	8500	359075	
SWPHC	Solomon Islands Nautical Cartographer Development	3	1	1	3	10	3	5	-2	4	28	3	24	8000	367075	
MACHC	Basic Hydrographic Survey Course	3	5	5	0	7	0	4	-1	3	26	2	25	0	367075	Ok
RSAHC	Basic ENC & ENC Production	3	1	3	4	1	3	4	0	4	23	3	26	14940	382015	Ok
SWAtHC	Data management WORKSHOP	3	1	1	0	6	1	5	-2	5	20	3	27	19500	401515	Ok
SWPHC	PNG Hydrographic Risk Assessment	5	10	1	5	10	0	5	0	-17	19	0	28	100000	501515	Ok
RHC	Project Name	1	2	3	4	5	6	7	8	9	Total	Phase	Priority	Resources	Sum	
	Procedure 4 maximum score	5	10	5	5	10	5	5	0	5	50				1 025 215	

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In-kind

IMO

IMO

Nippon

Regional Course in Basic Hydrography and Hydrographic Governance for Lusophone Africa
Regional Seminar on Safety of Navigation in the South West Pacific
GEBCO Training Project