

INTERNATIONAL HYDROGRAPHIC ORGANIZATION
CAPACITY BUILDING SUB-COMMITTEE
DRAFT MANAGEMENT PLAN 2015

Approved projects:

CB Phase	Number of projects approved	Amount (Euros)	%
0	3	16,800	4.4
1	7	111,476	29.4
2	7	102,727	27.1
3	4	51,522	13.6
4	5	97,221	25.6
Total	26	379,746.00	100

RHC	Number of projects approved	Amount (Euros)	%
MBSHC	3	26,300.00	6.9
EAHC	5	80,200.00	21.1
EAtHC	1	40,000.00	10.5
SWPHC	4	53,000.00	14.0
MACHC	4	56,351.00	14.8
SAIHC	2	34,716.00	9.1
NIOHC	4	45,666.00	12.0
RSAHC	1	20,513.00	5.4
SWAtHC	2	23,000.00	6.1
Total	26	379,746.00	100.0

Not approved:

CB Phase	Number of projects not approved	Amount (Euros)	%
0	0	0	0.0
1	0	0	0.0
2	0	0	0.0
3	0	0	0.0
4	1	19,200	100.0
Total	1	19,200.00	100

RHC	Number of projects not approved	Amount (Euros)	%
MBSHC	0	0.00	0.0
EAHC	1	19,200.00	100.0
EAtHC	0	0.00	0.0
SWPHC	0	0.00	0.0
MACHC	0	0.00	0.0
SAIHC	0	0.00	0.0
NIOHC	0	0.00	0.0
RSAHC	0	0.00	0.0
SWAtHC	0	0.00	0.0
Total	1	19,200.00	100.0

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RHC	CB Phase	Year of Execution	Country/Countries involved	Priority/Status	Project Name (Reference)	Project Objective	Benefits	Assistance required	Cost (Euro)	Allocation and Priority (to be filled by CBC)	Contact Person
MBSHC	0	2015	Montenegro	1	Technical visit	Advise on a way forward	Promote in Montenegro hydrographic services to meet national and international obligations		5,100	3,400	LCDR.Bülent GÜRSES, ONHO, bgurses@shodb.gov.tr +90 216 322 25 80 (3600)
EAHC	0	2015	EAHC Chair, 1 technical officer from EAHC Chair, EAHC Vice Chair, EAHC Charting and Hydrography Committee Chair	6	Technical Visit to Cambodia	To follow up with the progress of the country's intention to be a member of the IHO and to assist and accelerate the process of accession.	EAHC will be able to assess the progress of Cambodia's status with regards to becoming a member of the IHO.	CB Funds for accommodation costs and return flights	5,200	3,400	Capt. Jacinto M. Cablayan, EAHC Chair
Total Amount Phase 0									10,300	6,800	

MBSHC	1	2015	Egypt, Lebanon, Libya, Montenegro and Morocco	2	Workshop on MSI	Increase the flow of MSI to the NAVAREA Coordinators for promulgation and emphasize the importance of establishing expertise in the countries to fulfill the role of National Coordinators.	Increased awareness and knowledge of the MSI and enhanced standardization of provision of MSI.		21,514	9,830	LCDR.Bülent GÜRSES, ONHO, bgurses@shodb.gov.tr +90 216 322 25 80 (3600)
EAtHC	1	2015	France		Definition Study for Long Term CB Project	Definition of a sub-regional specific long term CB project	Designing a sustainable and efficient sub-regional CB project	Hiring a dedicated expert to achieve the study	40,000	40,000	Eric Langlois
SWPHC	1	2015	Cook Islands, Fiji, French Polynesia, Kiribati, Nauru, New Caledonia, Niue, Palau, Papua New Guinea, Samoa, Solomon Islands, Tokelau, Tonga, Tuvalu, Vanuatu	1	Technical Workshop on Hydrography and Hydrographic Governance (SWPHC2015_01)	To provide a forum for senior managers of regional National Hydrographic Authorities to develop governance knowledge pertaining to hydrographic affairs.	Increased efficiencies in developing hydrographic administrations and develop knowledge in related technical matters.	Fund travel and Per Diem costs for 15 persons from region to attend the Workshop	21,600	21,600	CDRE Brett BRACE, RAN (Hydrographer of Australia)
SWPHC	1	2015	Vanuatu, NZ, PNG	2	Vanuatu National Hydrographic Authority	To ensure SOLAS obligations are met.	Improved Maritime Safety and charting in the region	Advice and assistance to fully implement IHO recommendations.	4,000	4,000	Mr Adam Greenland (Hydrographer of NZ)

SWPHC	1	2015	Kiribati, UK	4	Kiribati National Hydrographic Authority	To ensure SOLAS obligations are met.	Improved Maritime Safety and charting in the region	Advice and assistance to implement the recommended measures contained in the IHO report Feb 2012	5,800	5,800	Mr Jeff Bryant (UKHO)
MACHC	1	2015	Mexico (lead) El Salvador, Honduras, Nicaragua, Costa Rica and Dominican Republic	1	Phase 1 Skills Course (for Spanish speakers)	The aim is to provide delegates with the skills and knowledge to assess and promulgate navigationally significant information to the wider maritime community	To establish a core group of trained persons to deal with MSI	Flights for up to 8 students	10,294	10,294	Jeff Bryant (MACHC CB Coordinator)
MACHC	1	2015	Bahamas, Belize, Costa Rica, Dominica, Dominican Republic, El Salvador, Grenada, Guyana, Haiti, Honduras, Nicaragua, Panama, St Kitts & Nevis, St Lucia, St Vincent & the Grenadines	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 IMO and also provides significant national infrastructure and long-term economic benefits. The Seminar is configured to assist countries on how they take the necessary steps to meet their obligation noting that most MACHC countries are IMO MS but not IHO MS	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 15 countries involved. The representatives will be expected to stay on for the 16th MACHC meeting and be active participants	10,000	10,000	Jeff Bryant (MACHC CB Coordinator)

SAIHC	1	2015	Angola, Kenya, Madagascar, Malawi, Mauritius, Mozambique, Namibia, Seychelles, Tanzania, Comoros, RSA	1	Phase 1 Skills Course	The aim is to provide delegates with the skills and knowledge to assess and promulgate navigationally significant information to the wider maritime community	To establish a core group of trained persons to deal with MSI	Fund Travel & subsistence for up to 10 students, together with one instructor from the UKHO (no fee for trainers time)	19,952	19,952	Jeff Bryant (SAIHC CB Coordinator)
Total Amount Phase 1									133,160	121,476	
MBSHC	2	2015	Algeria, Croatia, Montenegro, Romania and Ukraine	3	Workshop on Multi-beam Echosounder and Side Scan Sonar Systems	Improve the capacity of MBSHC countries to perform modern surveys with the most recent techniques (MB Echosounder and Side Scan Sonar).	Promote modern hydrographic surveys to meet national and international obligations.		26,946	13,070	LCDR.Bülent GÜRSES, ONHO, bgurses@shodb.gov.tr +90 216 322 25 80 (3600)
EAHC	2	2015	EAHC Members	3	Seabed Classification and Multibeam Survey	To improve the MS capability in the identification and classification of seabed characteristic	MS will be able to enhance their capability of the identification and classification of seabed characteristics.	CB Funds for course fees, accommodation costs and return flights	19,200	19,200	Capt. Jacinto M. Cablayan, EAHC Chair
EAHC	2	2015	EAHC Members	4	Satellite Derived Bathymetry (5 days)	To introduce the MS to this technology that could be used to acquire bathymetric data in a faster way.	MS will be aware of the SDB technology which they could apply to their charting operations.	CB Funds for course fees, accommodation costs and return flights	19,200	0	Capt. Jacinto M. Cablayan, EAHC Chair

SWPHC	2	2015	Cook Islands, Fiji, French Polynesia, Kiribati, Nauru, New Caledonia, Niue, Palau, Papua New Guinea, Samoa, Solomon Islands, Tokelau, Tonga, Tuvalu, Vanuatu	3	Tides & Water Levels Technical Workshop	To enhance knowledge and also aid exchange of information and ideas about challenges faced by hydrographic surveyors in the SW Pacific in relation to tides.	Improved understanding and collaboration on tidal knowledge in the region.	Fund travel and Per Diem costs for 12 persons from region to attend the Workshop	21,600	21,600	CDRE Brett BRACE, RAN (Hydrographer of Australia)
NIOHC	2	2015	NIOHC Member States	2	Introduction to MBES use	To deliver an interactive one week introduction to all aspects of MBES operation from data collection to post processing	This training opportunity will give the participants a valuable introduction to MBES use through a mixture of classroom and practical field work	Fund Travel & subsistence for up to 10 students	14,344	14,344	Jeff Bryant (NIOHC CB Coordinator)
NIOHC	2	2015	Sri Lanka	3	MBES Processing (5 days)	To deliver an interactive one week specialist training course in MBES Processing utilizing the software that they own.	Better and more efficient post processing of survey data will mean better and safer charts	Fund Travel & subsistence for x1CARIS trainer	7,000	7,000	Jeff Bryant (NIOHC CB Coordinator)
NIOHC	2	2015	Bangladesh	3	MBES Processing (5 days)	To deliver an interactive one week specialist training course in MBES Processing utilizing the software that they own.	Better and more efficient post processing of survey data will mean better and safer charts	Fund Travel & subsistence for x1CARIS trainer	7,000	7,000	Jeff Bryant (NIOHC CB Coordinator)

RSAHC	2	2015	RSAHC Member States	1	MBES Processing (5 days)	To train a group of hydrographic surveyors the techniques required to post process MBES data	Improved knowledge of the processing element of MBES data and greater confidence in its use	Fund Travel & subsistence for up to 8 students, together with x1 UKHO trainer	20,513	20,513	Jeff Bryant (RSAHC CB Coordinator)
Total Amount Phase 2									135,803	102,727	
EAHC	3	2015	EAHC Members	5	Seminar on S-100	To enable the MS to better understand the S-100 and address issues that they encounter in its implementation	MS will be able to address issues that they will encounter in the implementation of S-100	CB Funds for course fees, accommodation costs and return flights	19,200	19,200	Capt. Jacinto M. Cablayan, EAHC Chair
MACHC	3	2014-2017	Haiti		Haiti Nautical Charting Project	Create seminal capacity for SHOH in charting	Haiti: Introduction to Paper and Electronic Nautical Chart Production	Instructors, equipment and Software	55,000	10,000	Paul Cooper
NIOHC	3	2015	NIOHC Member States	1	ENC QA (5 days)	To train a group of professionals to verify and validate S-57 data	Improved knowledge of V & V and greater confidence in ENC QA	Fund Travel & subsistence for up to 8 students, together with x1 UKHO trainer	17,322	17,322	Jeff Bryant (NIOHC CB Coordinator)
SWAtHC	3	2014	Argentina Brazil Obs.: Other four Latin American countries could be invited.	High	S-100 – IHO Universal Hydrographic Data Model WORK SHOP	To increase the CHAtSO members capacity to use S-100.	More qualified hydrographers would benefit the final quality of their Paper Charts. The main purpose is to improve capacity on creatind Metadata, data exchange.		5,000	5,000	(DHN)
Total Amount Phase 3									96,522	51,522	

EAHC	Extra	2015	EAHC Members	1	Marine Spatial Data Infrastructure and Database Management	To improve the MS capabilities in properly managing the huge volume of data that they acquire and properly document the details that describe these data	MS will be able to properly manage their bathymetric database	CB funds for course fees, accommodation costs and return flights	19,200	19,200	Capt. Jacinto M. Cablayan, EAHC Chair
EAHC	Extra	2015	EAHC Members	2	Tsunami Inundation Mapping Workshop (5 days)	To enhance the MS' disaster preparedness and to better understand the possible effects of tsunamis.	MS will gain the capacity to improve their disaster preparedness and response mechanisms	CB Funds for course fees, accommodation costs and return flights	19,200	19,200	Capt. Jacinto M. Cablayan, EAHC Chair
MACHC	Extra	2015	MACHC Member States	3	Technical aspects of Maritime boundaries, and baselines (5 days)	To teach participants the basic technical principles applicable to maritime boundary delimitation.	Increased understanding of the importance of technical aspects in the delimitation process, the legal principles behind boundary delimitation, and to give students the ability to play their role in a boundary team alongside lawyers, politicians and other experts.	Fund travel & subsistence for up to 12 students, together with accommodation-only for x2 UKHO trainers (UKHO will cover the costs of international flights and trainer fees)	26,057	26,057	Jeff Bryant (MACHC CB Coordinator)

SAIHC	Extra	2015	SAIHC Member States	2	Technical aspects of Maritime boundaries, and baselines (5 days)	To teach participants the basic technical principles applicable to maritime boundary delimitation.	Increased understanding of the importance of technical aspects in the delimitation process, the legal principles behind boundary delimitation, and to give students the ability to play their role in a boundary team alongside lawyers, politicians and other experts.	Fund Travel & subsistence for up to 10 students, together with accommodation only for x2 UKHO trainers (UKHO will cover the costs of international flights and trainer fees)	14,764	14,764	Jeff Bryant (SAIHC CB Coordinator)
SWAtHC	Extra	2015	Argentina Uruguay As well as SEpHC, and MACHC. Obs.: Other four Latin American countries could be invited.	High	MSDI WORKSHOP	To increase the SWAtHC members capacity on MSDI according to the new available technologies	More qualified hydrographers would benefit improving the MSDI concenciosness in therir MS. The main purpose is to meet the spatial databases basic needs in order to provide a Regional MSDI	18 000 Euros from CBC	18,000	18,000	CAP. Nickolás Roscher(DHN)
Total Amount "Extra"									97,221	97,221	

GRAND TOTAL	473,006	379,746
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INTERNATIONAL HYDROGRAPHIC ORGANIZATION
CAPACITY BUILDING SUB-COMMITTEE (CBSC)
2015 MANAGEMENT PLAN

RHC	Project Name	N.	1	2	3	4	5	6	7	8	9	TOTAL	Priority	Resources	Sum	Phase
EAtHC	Definition Study for Long Term CB Project	P-01	5	10	5	0	10	5	5	0	5	45	1	40,000	40,000	1
SWPHC	Technical Workshop on Hydrography and Hydro Governance	P-02	3	10	5	3	7	5	5	-1	5	42	2	21,600	61,600	1
SWPHC	Vanuatu technical implementation visit	A-01	5	10	1	5	8	3	5	0	5	42	3	4,000	65,600	1
MACHC	Phase 1 Skills Course for Spanish Speakers	P-03	5	10	5	3	6	5	4	0	4	42	4	10,294	75,894	1
SAIHC	Phase 1 Skills Training Course	P-04	3	10	5	3	6	5	4	-1	4	39	5	19,952	95,846	1
MACHC	Seminar on Raising Awareness of Hydrography	P-05	5	10	5	0	6	5	4	0	3	38	6	10,000	105,846	0
SWPHC	Kiribati technical implementation visit	A-02	5	10	1	3	10	0	4	0	4	37	7	5,800	111,646	1
MBSHC	Technical Visit to Montenegro	A-03	5	10	1	0	7	5	5	-3	5	35	8	3,400	115,046	0
SWPHC	Tides & Water Levels Technical Workshop	P-06	3	5	5	4	7	1	5	0	5	35	9	21,600	136,646	2
MBSHC	Workshop on MSI	P-07	3	10	3	0	7	3	5	-1	5	35	10	9,830	146,476	1
NIOHC	Introduction to MBES	P-08	3	5	5	3	7	3	4	0	4	34	11	14,344	160,820	2
EAHC	Technical Visit to Cambodia	A-04	5	10	3	0	8	0	5	-2	5	34	12	3,400	164,220	0
NIOHC	MBES Processing for Bangladesh	P-09	3	5	1	4	10	1	5	0	4	33	13	7,000	171,220	2
RSAHC	MBES Processing	P-10	3	5	3	2	6	5	4	0	4	32	14	20,513	191,733	2
SWAtHC	MSDI Workshop with MACHC and SEPRHC	P-11	3	1	5	1	6	5	5	0	5	30.8	15	18,000	209,733	4
NIOHC	MBES Processing for Sri Lanka	P-12	3	5	1	4	7	1	5	0	4	30	16	7,000	216,733	2
NIOHC	ENC QA	P-13	3	1	3	3	7	5	4	0	4	30	17	17,322	234,055	3
MBSHC	Workshop on Multi-beam Echo Sounder and SSS Systems	P-14	3	5	3	0	6	3	5	0	5	30	18	13,070	247,125	2
SAIHC	Technical aspects of Maritime boundaries	P-15	3	1	5	4	6	3	4	0	2	28	19	14,764	261,889	4
EAHC	Seabed Classification and Multi-beam Survey	P-16	3	5	3	0	6	1	5	-2	5	26	20	19,200	281,089	2
EAHC	Tsunami Inundation Mapping Workshop	P-17	3	1	3	0	6	3	5	0	5	26	21	19,200	300,289	4
MACHC	Haiti follow up visit	P-18	5	1	1	4	7	3	4	-1	2	26	22	10,000	310,289	3
SWAtHC	Seminar on S-100	P-19	3	1	1	0	6	5	5	0	5	26	23	5,000	315,289	3
EAHC	MSDI and Database Management	P-20	3	1	3	0	6	5	5	-3	5	25	24	19,200	334,489	4
MACHC	Technical aspects of Maritime boundaries	P-21	3	1	5	4	6	0	4	0	2	25	25	26,057	360,546	4
EAHC	Seminar on S-100	cutoff	3	1	3	0	6	0	5	-2	5	21	26	19,200	379,746	3

Not approved:

EAHC	Satellite Derived Bathymetry	3	3	5	3	0	6	0	5	0	5	0	27	0		4
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Observations
Name changed
Action on France and UK
Name changed
Value reduced from 5 100 euros
Reduced the number of participants / budget to 9 830 Euros
Reduced from 5 100 euros
Reduced from 26946 euros
Not supported. Allocated 10 000 euros for a follow up action
cut off

not approved (19 200 Euros)