



IHB File No. S1/1001/WP-FO/592/10

CIRCULAR LETTER 81/2010
3 December 2010

IHO WORK PROGRAMME & BUDGET FOR 2011

References: a) Decision No. 24 of the XVIIth IHC
b) Decision No. 32 of the XVIIth IHC
c) CL 62/2010 dated 06 October
d) CL 44/2010 dated 26 July

Dear Hydrographer,

1. Conference Decision 24 in reference a) approved the IHO Work Programme 2008-2012 and Conference Decision 32 in reference b) approved the IHO Five-Year Budget (2008-2012).
2. We thank those Member States who responded to the Circular Letter in reference c), all of whom have expressed their approval of the IHO WP and Budget for 2011. We particularly thank Bangladesh, who offered a comment on the need to keep it flexible enough to adapt to the prevailing situation. Also we thank France for their comment related to the quality of the work and the clarity of the comments provided in Annex C to CL62/2010. As we have not received any objections or other remarks, we are pleased to provide you with the final version of the IHO Work Programme for 2011, updated as necessary with the latest information known to the IHB.
3. The proposed IHO Budget for 2011, as provided with the CL in reference d), has not been further modified and, therefore, is not attached herewith. The version provided with CL 44/2010 is the final IHO Budget for 2011.
4. These final versions will enter into force on 1st January 2011.

On behalf of the Directing Committee
Yours sincerely,



Captain Hugo GORZIGLIA
Director

Annex A: - IHO Budget for 2011 (*NOTE: document not attached here as it is identical to the one distributed with CL 44/2010*)
Annex B: - IHO Work Programme 2011 (Final Version)

TASK	TITLE	COMMENTS	5-y WP REF	Strategic Direction	Performance Indicator
Programme 1 "Corporate Affairs"					
	Element 1.1 Co-operation with International Organizations and participation in relevant meetings			1.2,1.3, 3.3,4.1	SPI1-4-5-6; WPI 6-7-8-34-36
1.1.1	ATCM - Antarctic Treaty Consultative Meetings		Task 1.2.10		
1.1.2	COMNAP - Council of Managers of National Antarctic Programs	Only if needed	Task 1.2.13		
1.1.3	FIG - International Federation of Surveyors	Only if needed	Task 1.2.6		
1.1.4	GEO - Group on Earth Observations	Only if needed	Task 1.2.1		
1.1.5	IALA - International Association of Marine Aids to Navigation and Lighthouses Authorities:		Task 1.2.4		
1.1.5a	- Interorganizational liaison				
1.1.5b	- Virtual AtoN				
1.1.5c	- Arctic coordination				
1.1.5d	- e-Nav committee				
1.1.6	IAPH - International Association of Ports and Harbors	Only if needed	Task 1.2.7		
1.1.7	IAATO - International Association of Antarctic Tour Operators	Only if needed	Task 1.2.14		
1.1.8	ICA - International Cartographic Association		Task 1.2.5		
1.1.8a	- Conference				
1.1.8b	- Standards Commission				
1.1.9	IEC - International Electro Technical Commission		Task 1.2.9		
1.1.10	IMO - International Maritime Organization:		Task 1.2.2		
1.1.10a	- ASSEMBLY				
1.1.10b	-COMSAR				
1.1.10c	- MSC				
1.1.10d	- NAV				
1.1.10e	- TCC				
1.1.11	IOC - Intergovernmental Oceanographic Commission		Task 1.2.3		
1.1.11a	- General Assembly				
1.1.11b	- GLOSS Group of Experts				
1.1.12	ISO - International Standardization Organization		Task 1.2.8		
1.1.13	PAIGH - Pan American Institute of Geography and History	Only if needed	Task 1.2.11		
1.1.14	PMAWCA - MOCWA - Port Management Association West & Central Africa & Maritime Organizations of West and Central Africa		Task 1.2.12		
1.1.15	SCAR - Scientific Committee on Antarctic Research	Only if needed	Task 1.2.15		
1.1.16	UN - United Nations		Task 1.2.1		
1.1.16a	- UNICPOLOS - UN open-ended Informal Consultative Process on the Law of the Sea				
1.1.16b	- GGIM - proposed UN Committee of Experts on Global Geographic Information Management				
1.1.17	Other International Organizations		Task 1.2.16		
1.1.17 a	- CIRM (meeting)				
1.1.17 b	- European Union				
1.1.17c	- Global SDI Association				
1.1.17 d	- IMPA - International Maritime Pilots Association	Only if needed			
1.1.17e	- NATO DGIWG				
	Element 1.2 Information Management			1.1,2.1, 2.6	SPI2-6; WPI 1-2-3-4-5-15-16-17-18-30
1.2.1	Development and Maintenance of the IHO Web Site		Task 4.1.1		
1.2.2	Communication between the IHB and Member States through Circular Letters		Task 4.1.2		
1.2.3	IHO Publications - production, editing		Task 4.1.3		
1.2.4	Hydrographic Publications for which there is no specific body in charge - C-13, C-16, M-1, M-2, M-3, M-7, M-10, P-1, P-5, P-6, P-7, S-12, S-23, S-60, etc.		Task 3.2.5		
1.2.5	IHB Technical Library		Task 4.1.4		
1.2.6	S-63 Scheme Administrator and S-63 support		Task 3.3.2		
	Element 1.3 Public Relations			1.3, 3.3, 3.4, 4.1	SPI1-4-5-6; WPI 8, 34,35, 36
1.3.1	Relationship with the Government of Monaco and other Diplomatic Missions.		Task 4.2.1 Task 4.2.5		
1.3.2	World Hydrography Day		Task 4.2.2		
1.3.3	Outreach to IHO Stakeholders:		Task 4.2.3		
1.3.3a	- presentation of papers at conferences, etc		Task 4.2.5		
1.3.3b	- Biennial IHO stakeholders' briefing				
1.3.4	Public Relations support		Task 4.2.6		
1.3.5	Journal articles & Int. Hydrographic Review production		Task 4.2.7		

TASK	TITLE	COMMENTS	5-y WP REF	Strategic Direction	Performance Indicator
	Element 1.4 IHO			1.1, 3.4, 4.1	SPI1- 4- 4bis-6; WPI 1-2-3 4-5-24-25-26-26-27-31-32
1.4.1	New IHO Structure. RHCs to adopt objectives to accelerate the process of ratification of the protocol of amendments to the IHO Convention.		Task 5.1.1		
1.4.2	IHO Work Programme and Budget	In consultation with the HSSC and IRCC Chairs	Task 5.1.2 Task 5.2.9		
1.4.3	IHO Strategic Plan and Performance Monitoring	In consultation with the HSSC and IRCC Chairs	Task 5.1.3		
	Element 1.5 IHB Management			1,1	SPI 6; WPI 2,4,5
1.5.1	IHB Administration		Task 5.2.1		
1.5.2	IHB Staff Regulations		Task 5.2.2		
1.5.3	IHB Translation Service		Task 5.2.3		
1.5.4	IHB Finance Procedures		Task 5.2.4		
1.5.5	IHB Procedural Manual for Permanent Activities		Task 5.2.5		
1.5.6	Staff Training		Task 5.2.6		
1.5.7	Maintenance of the IHB premises		Task 5.2.7		
1.5.8	Purchase of office equipment		Task 5.2.8		
1.5.8a	- routine computer hardware and software upgrades				
1.5.8b	- furniture and other equipment				
	Element 1.6 International Hydrographic Conference			1.1, 4.1	SPI 1-6; WPI 1- 36
1.6.1	XVIII IHC (or IHO Assembly in the event the Protocol of Amendment to the IHO Convention has entered into force)		Task 5.3.2		
Programme 2 "Hydrographic Services and Standards"					
	Element 2.1 HSSC			1.3,1.4	SPI 2-4-5-7; WPI8-9-10-11
2.1.1	Hydrographic Services and Standards Committee (HSSC)		Task 3.1.1		
2.1.2	- Develop S-100 and MSDI standards		Task 3.5.1		
2.1.3	- Nautical Publications development - S-4, S-44, S-49, S-52, S-57, S-58, S-61, S-62, S-64, S-65, S-66, S-100, S-101, S-10n, INT1,2,3		Task 3.3.1		
	Element 2.2 ABLOS			1.5, 4.4	SPI1, SPI4 ; WPI3-41
2.2.1	ABLOS - Advisory Board on the Law of the Sea		Task 3.1.16		
2.2.2	Technical Aspects of the Law of the Sea Manual (TALOS Manual) C-51		Task 3.6.2		
2.2.3	TALOS Technical Assistance		Task 3.6.3		
	Element 2.3 CSPCWG			1.4	SPI 5; WPI9,10,11
2.3.1	CSPCWG - Chart Standardization and Paper Chart Working Group, Implementation of S-11.		Task 3.1.3		
	Element 2.4 DIPWG			1.4	SPI 5; WPI9,10,11
2.4.1	DIPWG - Digital Information Portrayal Working Group		Task 3.1.4		
	Element 2.5 DPSWG			1.4	SPI 5; WPI9,10,11
2.5.1	DPSWG - Data Protection Scheme Working Group		Task 3.1.6		
	Element 2.6 DQWG			1.4	SPI 5; WPI9,10,11
2.6.1	DQWG - Data Quality Working Group		Task 3.1.19		
	Element 2.7 EUWG			1.4	SPI 5; WPI9,10,11
2.7.1	EUWG - ENC Updating Working Group		Task 3.1.20		
	Element 2.8 HDWG			1.4	SPI 5; WPI9,10,11
2.8.1	HDWG - Hydrographic Dictionary WG		Task 3.1.8		
2.8.2	- Hydrographic Dictionary (S-32)		Task 3.2.3		
	Element 2.9 MSDIWG			2.5, 4.2	SPI1-2; WPI 28, 29, 39
2.9.1	MSDIWG - Marine Spatial Data Infrastructures WG (Pub. C-17)		Task 3.5.2		
	Element 2.10 SNPWG			1.4	SPI 5; WPI9,10,11
2.10.1	SNPWG - Standardization of Nautical Publications Working Group		Task 3.1.5		
	Element 2.11 TSMAD			1.4	SPI 5, WPI 9,10,11
2.11.1	TSMAD - Transfer Standard Maintenance and Application Development Working Group - S-101 User Requirements workshop		Task 3.1.2		
	Element 2.12 TWLWG			1.4, 1.5	SPI1-5; WPI9,10,11,12
2.12.1	TWLWG - Tidal and Water Level Working Group		Task 3.1.11		
2.12.2	Tidal and Water Level WG Publications		Task 3.2.4		

TASK	TITLE	COMMENTS	5-y WP REF	Strategic Direction	Performance Indicator
Programme 3 " Inter Regional Coordination and Support"					
	Element 3.1 Cooperation with Member States and attendance at relevant meetings			1.3,2.1,2.2	SPI2-4-5-7-8; WPI 8- 15-16 17-18- 19-20-21-22
3.1.0	IRCC to organize, prepare and conduct IRCC3		Task 1.1.16		
3.1.1	ARHC - Arctic Region Hydrographic Commission		new		
3.1.2	BSHC - Baltic Sea Hydrographic Commission		Task 1.1.6		
3.1.3	EAHC - East Asia Hydrographic Commission		Task 1.1.3		
3.1.4	MACHC - Meso American and Caribbean Hydrographic Commission		Task 1.1.10		
3.1.5	MBSHC - Mediterranean and Black Seas Hydrographic Commission		Task 1.1.5		
3.1.6	NHC - Nordic Hydrographic Commission		Task 1.1.1		
3.1.7	NIOHC - North Indian Ocean Hydrographic Commission		Task 1.1.13		
3.1.8	RSAHC - ROPME Sea Area Hydrographic Commission		Task 1.1.12		
3.1.9	SAIHC - Southern Africa and Islands Hydrographic Commission		Task 1.1.11		
3.1.10	SEPHC - South East Pacific Hydrographic Commission		Task 1.1.8		
3.1.11	SWATHC - South West Atlantic Hydrographic Commission		Task 1.1.14		
3.1.12	USCHC - USA and Canada Hydrographic Commission		Task 1.1.4		
3.1.13	HCA - Hydrographic Commission on Antarctica		Task 1.1.15		
3.1.14	RHCs to work for completion of adequate ENC coverage by 31 Dec 2010 (continuation)		Task 1.1.18 Task 1.1.19		
3.1.15	Industry participation in RHC meetings		Task 1.1.20		
	Element 3.2 Increase Participation by non-Member States			2.2,2.3,4.3	SPI4-7-8; WPI 19-20-21-22 23-24-25-40
3.2.1	EAIHC - Execute strategy to increase participation of Non-member States in IHO activities. Comply SOLAS V and participate in RHC meetings.		Task 1.3.1		
3.2.2	MACHC - Execute strategy to increase participation of non-member States in IHO activities. Comply SOLAS V and participate in RHC meetings.		Task 1.3.3		
3.2.3	MBSHC - Execute strategy to increase participation of non-member States in IHO activities. Comply SOLAS V and participate in RHC meetings.		Task 1.3.8		
3.2.4	NIOHC - Execute strategy to increase participation of non-member States in IHO activities.		Task 1.3.6		
3.2.5	RSAHC - Comply SOLAS V and participate in RHC meetings.		Task 1.3.5		
3.2.6	SAIHC - Execute strategy to increase participation of non-member States in IHO activities. Comply SOLAS V and participate in RHC meetings.		Task 1.3.4		
3.2.7	SWPHC - Execute strategy to increase participation of non-member States in IHO activities. Comply SOLAS V and participate in RHC meetings.		Task 1.3.2		
3.2.8	RHCs to encourage the approval of pending applications for IHO membership.		New		
	Element 3.3 Capacity Building Management			1.3,2.3,3.3,4 .4	SPI1-4- 4bis-5-8; WPI 8- 23-24-25-34-41-42-43
3.3.1	CBSC - IHO Capacity Building Sub-Committee		Task 2.1.1		
3.3.2	Capacity Building Fund (CBFund) Management.		Task 2.1.2		
3.3.3	Meetings with other organizations, funding agencies, private sector and academia.	Only if needed	Task 2.1.3		
3.3.4	IHO Capacity Building Strategy. Development of submission, implementation and assessment procedures.		Task 2.1.4		
3.3.5	Capacity Building Work Programme		Task 2.1.5		
3.3.6	Follow-up of CB activities and initiatives.		Task 2.1.6		
3.3.7	IBSC - International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers. Address the subject of cost recovering mechanisms; provide the IHB with updates for S-5, S-8, C-6, C-47 and related to Individual Recognition Guidelines and continue deliberations and consult RHCs on any regional initiatives to develop recognised training or systems to monitor and assess the competency of Individuals.		Task 2.1.7		
3.3.8	Provide guidance to training institutions;		Task 2.1.8		

TASK	TITLE	COMMENTS	5-y WP REF	Strategic Direction	Performance Indicator
	Element 3.4 Capacity Building Assessment			1.1,2.1,2.4,3.4	SPI1-2-4-6-7; WPI 4-15-16-17-18-26-27-35
3.4.0	Technical and Advisory Visits		Task 2.2.1		
3.4.1	- SAIHC (follow up technical visits to Angola, Namibia, Uganda, Malawi, Tanzania, Kenya, Seychelles, Mozambique and Madagascar)	CBFund			
3.4.2	- EAHC (Visit to DPRK with Cambodia as an alternative)	CBFund			
3.4.3	- MACHC (Visit to Costa Rica and Panama)	CBFund			
3.4.4	- SWPHC (Visit to Kiribati)	CBFund			
3.4.5	- EAHC (Follow up technical visit to Gabon, Cameroon and Guinea Bissau)	CBFund			
3.4.6	Review and maintain existing CB procedures and develop new ones, as required.		Task 2.2.3		
	Element 3.5 Capacity Building Provision			1.1,2.4,3.2,3.3,4.3, 4.4	SPI1-4-6-7- 8; WPI4-26-27-33-34-40-41-42-43
3.5.1	Raise Awareness on the Importance of Hydrography		Task 2.3.1		
3.5.2	Technical Workshops, Seminars, Short Courses.		Task 2.3.2		
3.5.2a	- Data base and design management EAHC	CBFund			
3.5.2b	- Multibeam survey and side scan sonar EAHC	CBFund			
3.5.2c	- ENC Production and QA EAHC	CBFund			
3.5.2d	- Workshop on Port and Shallow Water Surveys (This is one event that shall benefit both RHCs. (SAIHC, NIOHC)	CBFund			
3.5.2e	- MSI Regional Course (IHB standard Course implemented with two days for hydro-carto basic introduction for operators and NAVAREA Coordinators exchange of procedures and experiences), MACHC, SVAIHC and SEPHC	CBFund			
3.5.2f	- Hydrographic Survey and Introduction to Chart Production (standard IHB course) for: Antigua & Barbuda, Barbados, British Virgin Islands, El Salvador, Grenada, St. Kitts & Nevis	CBFund			
3.5.2g	Gulf of Honduras Hydrographic Activity Implementation Plan. Hydrography Type 2 (training on basic hydrographic survey practices - single beam surveys - and related data processing). Belize, Guatemala and Honduras. (Two weeks in country training and one week specialized training in Guatemala).	CBFund			
3.5.2h	- First module of Cat. B Marine Cartography training course provided by UKHO (open course)	CBFund			
3.5.2i	- Phase I Skills Course (Angola, Malawi, Madagascar, Mauritius, Mozambique, Namibia, Seychelles, Tanzania, Kenya, S. Africa, Comoros and Uganda. SAIHC	CBFund			
3.5.2j	-2 weeks Regional Training Course on Hydrographic Survey and Introduction to Chart Production. EAHC, SAIHC and NIOHC (partial)	With IMO funding			
3.5.2k	- 2-weeks Regional Training Course on Basic ENC and ENC Production. EAHC, SAIHC and NIOHC (partial)	With IMO funding			
3.5.2l	- 3rd Course on Hydrographic Data Processing and Marine Cartography (Module 1&2 separate from Module 3)	With NF funding (Japan CB Project)			
3.5.3	Hydrographic and Nautical Cartography Courses.		Task 2.3.3		
3.5.4	On the Job Training (ashore / on board)		Task 2.3.4		
3.5.5	Marine/Maritime Projects.		Task 2.3.5		
3.5.5a	- Marine Electronic Highway Project (Malacca Strait)				
3.5.5b	- Marine Highway Development (Western IO)				
3.5.5c	- Safety of Navigation on Lake Victoria	Only if needed			
3.5.5d	- Marine Highway Development (Western Mediterranean Sea)	Only if needed			
3.5.6	CBC to foster bilateral agreements in order to help satisfy SOLAS V/9		Task 2.3.6		
	Element 3.6 Coordination of Global Surveying and Charting			2.1, 2.2	SPI2-7-8; WPI 15-16-17-18-19-20-21-22
3.6.1	WEND WG . a) Monitor progress in providing ENC coverage. b) Keep RHC Chairs informed of ENC issues c) Coordinate with and provide support to IHB for the preparation of reports to IMO NAV Sub Committee on status of ENC to ensure best available information is used		Task 3.1.12		
3.6.2	RHCs to coordinate ENC schemes, consistency and quality		Task 3.3.4		
3.6.3	C-55 Status of Hydrographic Surveying and Nautical Charting Worldwide		Task 2.2.2		
3.6.4	Maintenance of INT Chart Schemes and improvement of availability of the INT Chart Series		Task 3.3.5		
	Element 3.7 Maritime Safety Information			1.4,2.1	SPI2,SPI5, SPI7, WPI 9-10-11-17
3.7.1	WWNWS - World-Wide Navigational Warning Service Sub-Committee		Task 3.1.9		
3.7.2	- WWNWS Expansion and Coverage.		Task 3.4.1		
3.7.3	- NAVAREA Coordinators		Task 3.4.2		
3.7.4	- WWNWS Publications S-53, S-53 App.1		Task 3.4.3		

TASK	TITLE	COMMENTS	5-y WP REF	Strategic Direction	Performance Indicator
	Element 3.8 Ocean Mapping Program			1.1, 1.5,2.6,3.4	SPI1-4-6; WPI 1-12-13-30-35
3.8.1	GEBCO Guiding Committee. Consider ways to strengthen collaboration with RHCs with a priority on improving high resolution shallow water bathymetry at the regional level		Task 3.1.13		
3.8.2	TSCOM - Technical Sub-Committee on Ocean Mapping		Task 3.1.14		
3.8.3	SCUFN - Sub-Committee on Undersea Feature Names		Task 3.1.15		
3.8.4	Shallow Water Bathymetry		Task 3.7.1		
3.8.5	Bathymetric Data Integration		Task 3.7.2		
3.8.6	Maps and Digital Grids		Task 3.7.3		
3.8.7	New GEBCO Products		Task 3.7.4		
3.8.8	Global Awareness		Task 3.7.5		
3.8.9	IHO Digital Bathymetry Data Center		Task 3.7.6		
3.8.10	IBC Projects, consistency, regional mapping series coordinated by SCRUM (ex-ISCRUM)		Task 3.7.7		
3.8.11	Maintain GEBCO publications: B1, B4, B6, B7, B8, B9, B10		Task 3.7.8		

NOTE: The indication of Strategic Directions and Performance Indicators constitute a rough reference only.

Version 3 December 2010