



Royal Netherlands Navy
Hydrographic Service

18th MACHC Conference

Agenda item 2.2

IRCC 9 report



Captain Marc van der Donck

November/December 2017



IRRC9, Paramaribo, Suriname, 12-14 June 2017





Content

- MACHC report to IRRC8
- IBSC
- IRCC9 Action list
- IRCC9 Work plan



Capacity Building Committee

- Chair: Jeff Bryant (UK)
- Vice Chair: Nickolas Roscher (BR)



Activities Completed in 2016

- Training Courses
 - MSI Course delivered in St Lucia August 2016
 - MSDI Workshop for Spanish Speakers delivered in Mexico October 2016 (in conjunction with FOCHIAMECA)
 - Tide Training Course with SWAtHC delivered in Brazil October 2016
- Seminars
 - Hydrographic Awareness Seminar / Satellite Bathymetry Workshop – December 2016



Technical Visit Planned 2017

- Haiti
 - Paulo Matos (BR)
 - Eric Langlois (FR)
 - Jim Rogers (US)

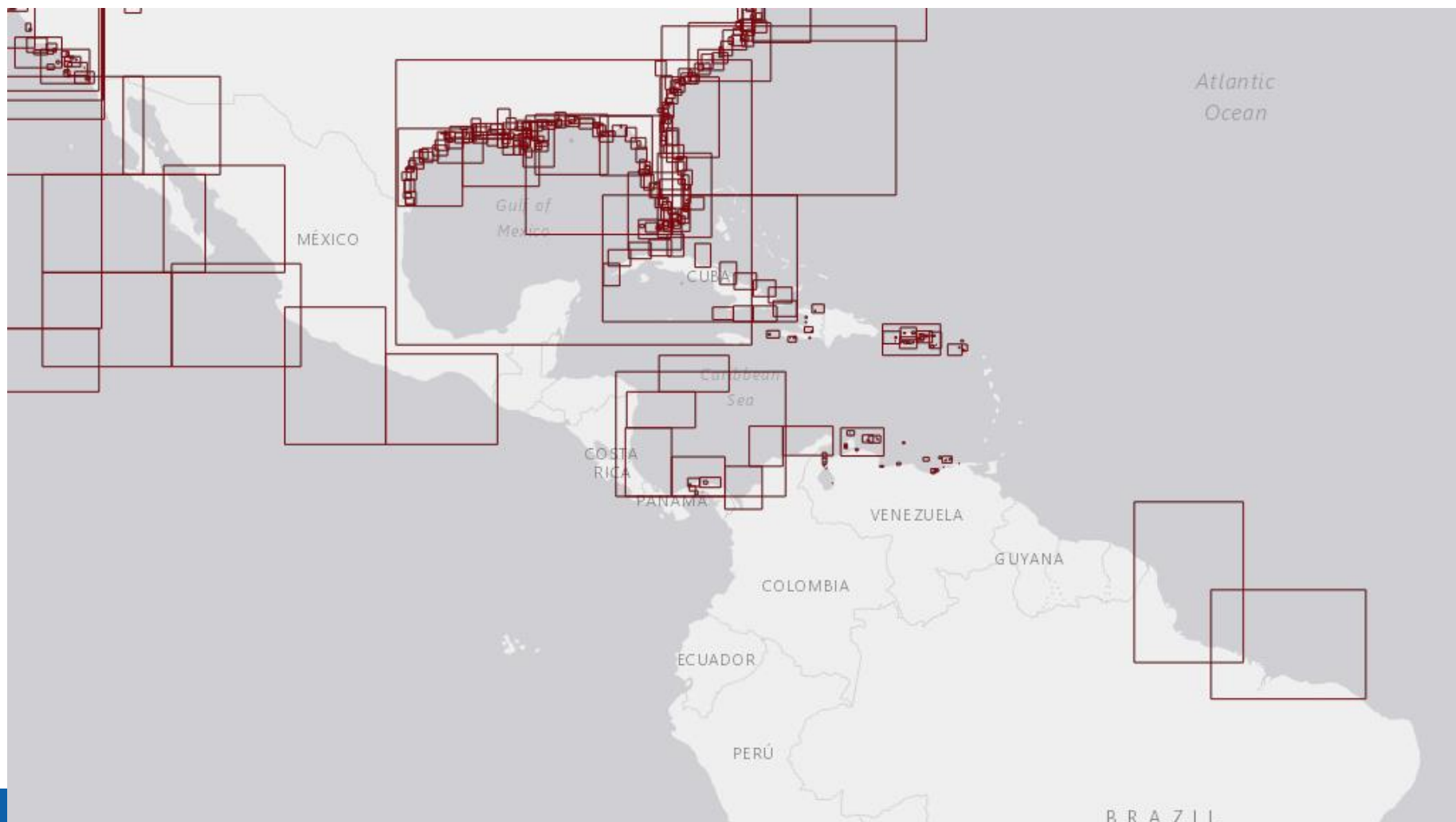


Marine Economic Infrastructure Program

- Coordinator: Jim Rogers (US)



MACHC ENC Online - <http://www.iho-machc.org/>





MACHC Integrated Charting Committee

- Chair: John Nyberg (US)
- Vice Chair: Paulo Matos (BR)



MACHC ENC Availability Summary – 2016

Newly Available cells in 2016	37
Cells canceled in 2016	4
Total Cells Available 2015	723
Total Cells Available 2016	760
Net New Cells 2016	33



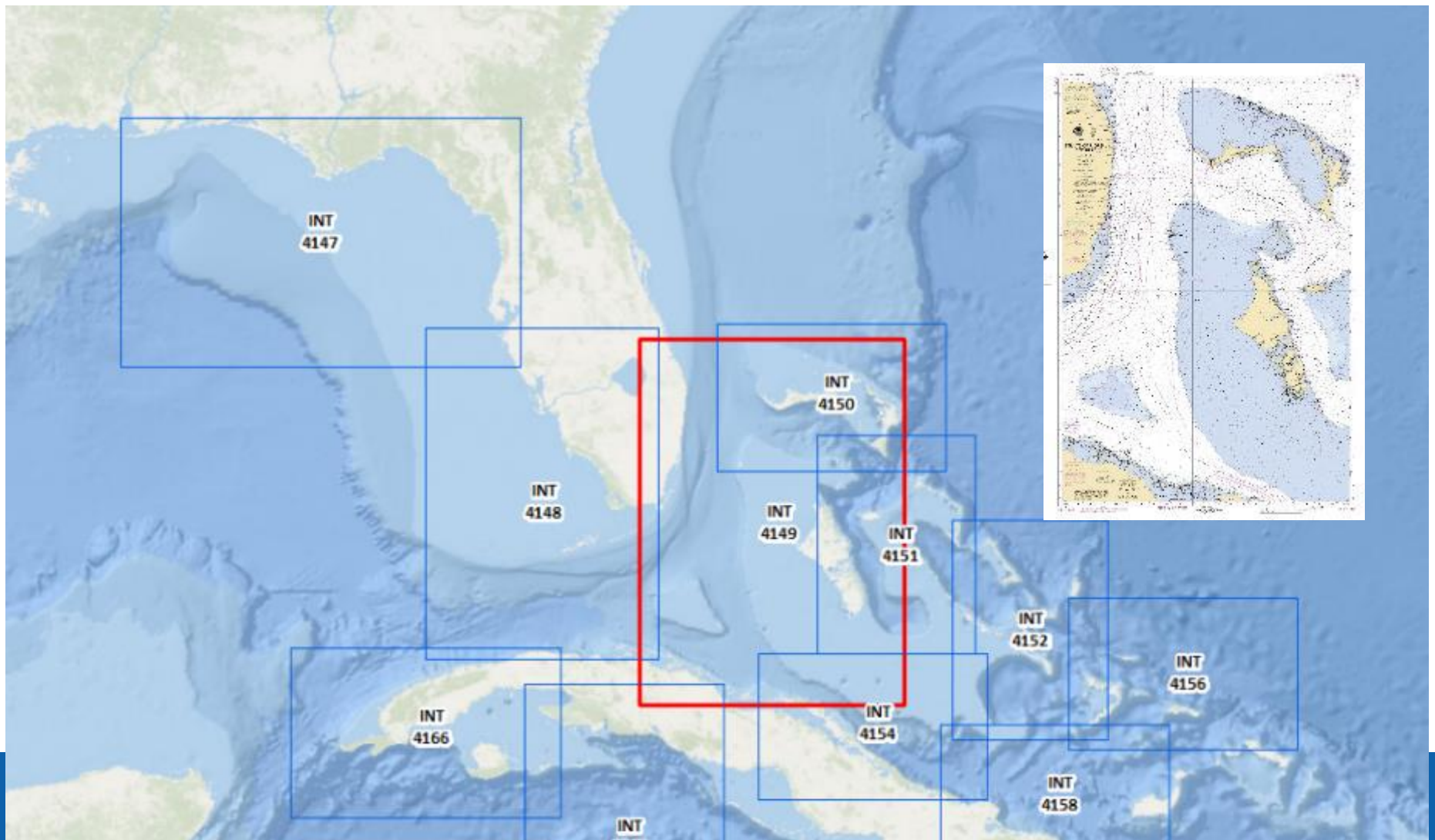
Port Analysis Evaluation - Gaps

46 out of the 373 world-wide Cruise Ship Ports/ Anchorages not covered by Band 4, 5, or 6 ENC's are located in the MACHC





New US/Cuba/UK INT Chart 4149





Difficulties encountered and challenges yet to be addressed

- Further developments on the use of Spanish are needed – more CB courses in Spanish
- The high cost of carrying out surveys and the limits on national budgets
- Full ENC coverage has not yet been achieved



Standards of Competence for Hydrographic Surveyors

- Endorsed draft New Editions 1.0.0 of the IHO Publications S-8A and S-8B Standards of Competence for Category "A" and Category "B" Nautical Cartographers



Filtered List of Action (1)

- Relate to the MACHC region
- Added column with proposed MACHC way ahead
- Basis for discussion during agenda item 2.2
- Focus on highlighted actions
- Others for consideration, recordkeeping and updating the MACHC action list



Filtered List of Action (2)

N.	Action (Agenda item)	Resp	Deadline	Proposed MACHC action
2	to engage with Member States in their regions to identify potential instructors to accompany MSI trainings in order to become MSI trainers and report back to IRCC	RHC Chairs	IRCC10	New open action for Chair to coordinate
3	to consider using Trainer for Trainers (TFT) and e-learning methods to support the development of CB Phase 1 for developing coastal States and report back to IRCC	RHC Chairs	IRCC10	New open action for Chair to coordinate
4	to encourage the attendance of Member States and Observers at WWNWS-SC meetings, to highlight the use of the Joint Manual on MSI to ensure correct terminology and formats are used in MSI messages, to encourage closer engagement of the National MSI Coordinators of Member States with the relevant NAVAREA Coordinator(s) and report back to IRCC	RHC Chairs	IRCC10	Rewrite continuous action items 17.2.2.1 and 17.2.2.3 as new open action for Chair to coordinate



Filtered List of Action (3)

N.	Action (Agenda item)	Resp	Deadline	Proposed MACHC action
5	to encourage closer coordination between NAVAREA Coordinators and Regional CB Coordinators in planning and student selection for the CB MSI training courses	RHC Chairs	IRCC10	Completed. Is already part of standing activities of CBC
10	to invite Member States to investigate the possibilities of fund raising and engagement in CB via national organizations and report back to the IRCC	RHC Chairs	IRCC10	New open action for Chair to coordinate
14	to encourage the Member States in the region to consider making all ENC data available through the RENCs (7)	RHC Chairs	December 2017	Already continuous action 12.3.6
15	to encourage the work of the IHO community to increase existence of ENC schemes at regional level (7)	RHC Chairs	December 2017	Completed. Already part of standing MICC remit.



Filtered List of Action (4)

N.	Action (Agenda item)	Resp	Deadline	Proposed MACHC action
18	to encourage Member States in the region to nominate RHC MSDI Ambassadors to promote MSDI and to help Member States to prepare the national reports with respect to the status of MSDI (7)	RHC Chairs	IRCC10	Add as explicit task to MEIP coordinator activities
21	to encourage IHO Member States to release datasets or subsets into the public domain via the IHO DCDB (7)	RHC Chairs	September 2017	Already open actions 17.6.4 and 17.6.5
22	to request IHO Member States to consider reviewing data gathering restrictions within their maritime areas of jurisdiction to enable CSB activities to be undertaken (7)	RHC Chairs	September 2017	New continuous action for Members States to act upon.
23	to encourage IHO Member States to support the CSB initiative with positive actions, such as requiring all research vessels collect bathymetric data for late uploading, when on passage or when it does not interfere with other research activities (7)	RHC Chairs	September 2017	New continuous action for Members States to act upon.



Filtered List of Action (5)

N.	Action (Agenda item)	Resp	Deadline	Proposed MACHC action
29	to encourage Member States to organize contribution of bathymetric data in shallower coastal areas to GEBCO in order to support the production of higher resolution gridded data products and report back to IRCC (7)	RHC Chairs	IRCC10	New open action for Chair to coordinate. Also open actions 17.6.4 and 17.6.5 apply.
32	to encourage Member States in the region to consider using satellite derived bathymetry and risk assessment methodologies in uncharted or poorly charted areas in their respective regions as a way of developing survey priority areas as part of attracting donor funding and report back to IRCC (8)	RHC Chairs	IRCC10	New open action for Chair, supported by UKHO as chair of the Risk Assessment Group. Also open actions 17.5.14 and 17.5.2.1 to 17.5.2.3 , and continuous action 16.5.1 apply.
33	to encourage the use of satellite derived bathymetry and risk assessment methodologies for developing survey priority areas as part of attracting donor funding using the project rationale as presented in doc. IRCC9-08C (8)	RHC Chairs	IRCC10	New continuous action for Members States to act upon.



Filtered List of Action (6)

N.	Action (Agenda item)	Resp	Deadline	Proposed MACHC action
34	to encourage Member States to participate in the workshop on satellite derived bathymetry sponsored by Canada in March 2018 (8)	RHC Chairs	December 2017	New open action for Members States to act upon.
35	to invite Member States to provide technical resources to the DQWG and report back to IRCC (9)	RHC Chairs	IRCC10	New open action for Chair to coordinate
36	to note the list of events organized by other inter- governmental and stakeholders indicated in <i>doc. IRCC9-09B</i> , consider how the IHO might be represented in those events that are considered relevant and liaise with the IHO Secretariat for the appropriate and report back to IRCC (9)	RHC Chairs	IRCC10	Rewrite continuous action item 16.2.211 as new open action for Chair to coordinate
37	to encourage Member States to support the establishment of the UN-GGIM Working Group on Marine Geospatial Information (WG-MGI) by working with their national representatives to the UN-GGIM to offer interventions in favor of the WG-MGI during the next UN-GGIM meeting (10)	RHC Chairs	June 2017	Closed. Over taken by events. UN-GGIM WG-MGI has been established



Filtered List of Action (7)

N.	Action (Agenda item)	Resp	Deadline	Proposed MACHC action
38	to encourage Member States to attend the next UN-GGIM meeting and the UN-GGIM-MGI Side Event (10)	RHC Chairs	July 2017	New Open action to attend the next, 2018, events.
39	to promote the UN-GGIM in their regions (10)	RHC Chairs	Perma- nent	New continuous action for Members States to act upon.
43	to consider using the IHO Online Registration System for their meetings and report back to IRCC (11)	RHCs	IRCC10	New open action to use this for MACHC19
44	to invite Member States to review entries related to their region in IHO C-55 and P-5 (Yearbook) at least annually (11)	RHC Chairs	Perma- nent	Already continuous action 17.2.1.4 (see MACHC Statutes for report format)



Filtered work plan (1)

- Relate to the MACHC region
- Added Column with proposed MACHC way ahead
- Basis for discussion during agenda item 2.2
- Focus on highlighted actions
- Others for consideration, recordkeeping and updating the MACHC action list



Filtered Work Plan (2)

No	ACTIVITY	RESP.	DEADLINE	Proposed MACHC ACTION
Administration				
IRCC9 04/2017	Update and implement the IRCC List of Actions and Tasks agreed at IRCC9	IRCC Members	Continuously	Integral part of Chairs responsibilities.
IRCC9 07/2017	Provide the IRCC Chair with progress reports on the relevant tasks in the IHO 2017 Work Programme	RHCs and IRCC bodies	Jan 2018	Integral part of Chairs responsibilities
IRCC9 08/2017	Provide to the IRCC Chair the estimated values as of 31 December 2017 and target values for 31 December 2018, complemented by the comments on the difficulties encountered and suggestions for a way forward	RHC Chairs	Jan 2018	Integral part of Chairs responsibilities.



Filtered Work Plan (3)

No	ACTIVITY	RESP.	DEADLINE	Proposed MACHC ACTION
Outreach				
IRCC9 11/2017	Provide material to the Secretariat to promote the achievements of IRCC bodies and report to the IRCC Chair	IRCC Members	Dec 2017	New continuous action for chair to coordinate
IRCC9 12/2017	Continue to engage suspended Member States (MSs) in their region to encourage their re-admission to the IHO and report to the IRCC Chair	EAtHC MACHC BSHC	Dec 2017	New open action for Chair
IRCC9 13/2017	Contribute to the development of C-55.	IRCC and RHC Chairs	IRCC10	Already continuous action 17.2.14
IRCC9 14/2017	Contribute to monitoring and improving the global status of hydrographic surveying.	RHC Chairs	IRCC10	Already covered by many open and continuous action items. Also by MICC
IRCC9 15/2017	Contribute to improving the framework of IHO response to marine disasters.	RHC Chairs	IRCC10	Already incorporated into the Statutes and as standing agenda item during MACHC.



Filtered Work Plan (4)

No	ACTIVITY	RESP.	DEADLINE	Proposed MACHC ACTION
Outreach				
IRCC9 16/2017	Contribute to the development of MSDI	IRCC Members	IRCC10	By MEIP coordinator
IRCC9 17/2017	Contribute to the development of CSB	IRCC Members	IRCC10	By CBC and TOR of CB WG
IRCC9 18/2017	Encourage MSs and representatives of industry and academia to promote and to work together to ensure that the best possible use is made of Satellite Derived Bathymetry and report back to the IRCC Chair	RHC Chairs	Dec 2017	New continuous action for Members States to act upon.
IRCC9 19/2017	Consider the participation of stakeholders at the RHC conferences and report to the IRCC Chair	RHC Chairs	Dec 2017	Completed. MACHC conference are open fora.
IRCC9 20/2017	Invite GEBCO Guiding Committee / Bathymetric Regional Project Chairs to attend corresponding RHCs meetings, aiming at strengthening collaboration with a priority on improving high resolution shallow water bathymetry at the regional level and report to the IRCC Chair	RHCs, GEBCO	Dec 2017	Completed. GEBCO is standing agenda item during MACHC Conference



Filtered Work Plan (5)

No	ACTIVITY	RESP.	DEADLINE	Proposed MACHC ACTION
Outreach				
IRCC9 21/2017	continue supporting GEBCO regional projects and report back to IRCC	RHC Chairs	IRCC10	Already open action 17.6.5
IRCC9 22/2017	invite and encourage Member States to participate in the annual GEBCO GC meetings	GGC Chair	IRCC10	New continuous action for Members States to act upon.
IRCC9 23/2017	Encourage National Hydrographers to invest in English language training in order to increase the chances of their candidates being selected to Category "A" and Category "B" training courses delivered in English	RHC Chairs	IRCC10	Already continuous action 16.2.2.11
IRCC9 24/2017	work to reduce overlaps by applying the WEND Principles in defining approve ENC schemes	RHC Chairs	IRCC10	Completed Part of standing MICC activities as assisted by IC-ENC.
IRCC9 25/2017	Facilitate resolution of important inconsistencies between paper charts and ENCs and between ENCs from different producers as identified by the RENCs or otherwise	RHC Chairs	IRCC10	Completed Part of standing MICC activities as assisted by IC-ENC.



Filtered Work Plan (6)

No	ACTIVITY	RESP.	DEADLINE	Proposed MACHC ACTION
Outreach				
IRCC9 26/2017	Encourage MSs in their respective regions to use the Risk Assessment methodology to establish Hydrographic Survey priorities	RHC Chairs	IRCC10	Already open actions 17.5.14 and 17.5.2.1 to 17.5.2.3 , and continuous action 16.5.1 apply
IRCC9 27/2017	provide: a) an initial summary report on Technical Visits (TV) within two weeks of the visit; and b) full reports are expected within three months of completion of a TV	RHC Chairs and CB Co- ordinators	a) Two weeks after the TV b) Three months after the TV	Completed. Part of standing CBC responsibilities.
IRCC9 28/2017	encourage the attendance of Member States and Observers at WWNWS-SC meetings	RHC Chairs		Already continuous action 17.2.2.1



Filtered Work Plan (7)

No	ACTIVITY	RESP.	DEADLINE	Proposed MACHC ACTION
Outreach				
IRCC9 29/2017	raise awareness of the impact of e-navigation on the provision of MSI in the respective regions and to highlight the use of the Joint Manual on MSI to ensure correct terminology and formats are used in MSI messages	RHC Chairs	IRCC10	Already continuous action 17.2.2.2
IRCC9 30/2017	encourage closer engagement of the National MSI Coordinators of Member States with the relevant NAVAREA Coordinator	RHC Chairs	IRCC10	Already continuous action 17.2.2.2
IRCC9 31/2017	encourage closer coordination between NAVAREA and Capacity Building Coordinators in planning and student selection for the CB MSI training courses	RHC Chairs	IRCC10	Completed. Is already part of standing activities of CBC (same as action 5)



Filtered Work Plan (8)

No	ACTIVITY	RESP.	DEADLINE	Proposed MACHC ACTION
Outreach				
IRCC9 32/2017	invite Member States to provide following information in the National Reports to RHC meetings: the status of MSDI; plans for involvement in MSDI; and challenges facing the HO	RHC Chairs	IRCC10	Completed by structure National report para 9 as detailed in Annex 1 tot the Statutes
IRCC9 33/2017	in coordination with Member States, to be attentive to opportunities to raise awareness on the role of hydrography and the importance of improving mankind's knowledge of the seas and oceans in support of the sustainable development goals, disaster risk reduction and the integrity of the oceans	RHC Chairs	IRCC10	Already continuous action 17.2.2.4



Action required of IRRC10

- To many actions and work plan issues
 - Chair and members are inundated by things to
 - Result do nothing in the end
- Not effective
 - Bureaucratic exercise
- Need to simply
 - Priorities endorsed by Council are guidelines
- **ACTION FOR IRCC10: REVISIT METHODOLOGY**