

**16th Conference of the IHO Hydrographic Commission on Antarctica (HCA)  
Prague, Czech Republic, 3 – 5 July 2019**

**LIST OF DECISIONS and ACTIONS FROM HCA-16**

**(as of 5 July 2019)**

<b>Decision/Action</b>	<b>Agenda Item</b>	<b>Details</b>	<b>Target Date</b>	<b>Status (July 2019)</b>
	<b>1.</b>	<b>Opening – Welcome Address</b>		
	<b>2.</b>	<b>Approval of Agenda and Timetable</b>		
HCA16/01		<b>HCA Members</b> approved the agenda and timetable.		Decision
	<b>3.</b>	<b>HCA Membership Status and Statutes</b>		
HCA16/02		<b>HCA Members and Observers</b> to provide their updates on the HCA Membership List to the HCA Sec. as appropriate.	Permanent	
HCA16/03		<b>HCA Secretary</b> to liaise with COMNAP's and SCAR's contacts made at ATCM XLII for getting their updates to the HCA Membership List.	Aug 2019	
HCA16/04		<b>USA</b> agreed to draft proposed amendments to the HCA Statutes when the revised Resolution 2/1997 on the RHCs is endorsed by C-3 and approved at A-2	HCA-17	
	<b>4.</b>	<b>Election of Vice-Chair</b>		
HCA16/05		<b>Mr Patrick Dorr</b> (NGA, USA) was re-elected as HCA Vice-Chair.		Decision
	<b>5.</b>	<b>Review of Status of List of Actions resulting from HCA-15</b>		
HCA16/06 (former HCA15/07)		<b>HCA</b> agreed that, as a matter of principles, the current producer nations in Antarctica should be encouraged to consider the future production and distribution of S-100 based products for Antarctica, in their areas of charting responsibilities		Decision
HCA16/07 (former HCA15/09)		<b>HCA</b> agreed that the Region M Coordinator, in liaison with HCA Secretariat and the RENCs, has the responsibility to check and monitor ENC overlaps within the Antarctic region		Decision

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HCA16/07a		<b>HCA</b> agreed on the principles following up Action C1/34, that <b>HCA Members</b> should be encouraged to ensure that bathymetric information contained in their HCA ENC's should be extracted and transmitted to the IHO DCDB, as a first step to improve marine knowledge.		Decision (See also WENDWG9/12)
HCA16/07b		<b>HCA Members</b> , binded by the Antarctic Treaty, are encouraged to ensure that bathymetric information contained in their surveys is transmitted to the IHO DCDB (new ATCM Resolution No xx /2019, as approved at ATCM XLII).		Decision
HCA16/08 (former HCA15/11)		<b>IAATO</b> to check if the new approved guidance on crowd-sourced bathymetry (B-12) can be implemented technically – possibly by export from Voyage Data Recorder recordings (experimentation in progress)	HCA-17	
HCA16/09 (former HCA15/14)		<b>HCA Chair</b> (in liaison with <b>ARHC Members</b> ) to monitor the preparation of the messages in support of the use of low frequency multibeam echosounders (follow-up action in relation to the United Nations theme “ <i>anthropogenic underwater noise reduction</i> ”)	HCA-17	Action in progress in ARHC (CA leads)
	<b>6.</b>	<b>IHO Seminar at ATCM XLII (Final Preparation and Rehearsal)</b>		
	<b>6.1</b>	<b>Presentations supporting the HCA Seminar at ATCM XLII</b>		
HCA16/10		<b>HCA</b> agreed on the key messages to be delivered at the HCA Seminar at ATCM XLII		Decision
HCA16/11		<b>HCA Chair</b> (ideally represented by <b>HCA Member</b> according to the host country/region) to consider the possibility of participating, every second year, either in COMNAP or SCAR meetings, alternatively with ATCM meetings.	HCA-17, and as appropriate	
HCA16/12		Following suggestions made by COMNAP at ATCM XLII, <b>HCA Chair</b> to liaise with CSBWG (poc <b>Italy</b> ) inviting them to investigate whether it is appropriate to extend the scope of a future edition of B-12, to airborne assets.	HCA-17	
HCA16/13		<b>USA</b> to note the need to incorporate the new Resolution on hydrography as approved at ATCM XLII, in the proposed amendments to the HCA Statutes.		Action HCA16/04 refers
	<b>7.</b>	<b>HCA activities in relation to the IHO Work Programme</b>		
	<b>7.1</b>	<b>Interaction with IHO-IOC GEBCO / IBCSO</b>		

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HCA16/14 (former HCA15/22)		<b>HCA Members</b> to provide existing survey coverage metadata in Antarctica (south of 50°S, - as shp files if possible - , and point of contact) to IHO Sec. and to the GEBCO IBCSO Project Leader (Dr Boris Dorschel, AWI)	Permanent	
HCA16/15		<b>HCA</b> to assess/monitor the effectiveness of the data flow processes between Seabed 2030 Data Centres and the IHO DCDB	HCA-17	
	<b>7.2</b>	<b>National Reports</b>		
HCA16/16		<b>HCA</b> took note of the national reports provided by HCA Members and noted the progress made since 2018 by the HCA Members.		Decision
HCA16/17 (former HCA15/33)		Noting the benefits that can be made from CATZOC values in HCA ENC's for risk assessment purposes, <b>HCA</b> agreed to keep the C-55 geographic segmentation in Antarctica as it is, for the time being.		Decision
HCA16/18		<b>HCA Secretary</b> to provide a composite report of the actual CATZOC values in Antarctica	HCA-17	
HCA16/19 (former HCA15/24)		<b>AU/NZ</b> to consider the possibility of providing an update on the application, in Antarctica, of the risk assessment tool developed by LINZ and if it can be documented and made available to share with other <b>HCA Members</b> and the HCA GIS	HCA-17	See NZ National Report at HCA-16
HCA16/20 (Former HCA15/25, HCA14/17)		<b>AR, CL, ES, GB</b> (lead as Region M Chart Coordinator), with the assistance of the IHO Secretariat if deemed necessary, to circulate to HCA Members a case study describing the different technical options and associated data exchange procedures available for the long term, aiming to ensure a consistent, unique and maintained charting coverage (both INT charts and ENC's) of Deception Island.  Outcome to be considered as best practices for other areas.	June 2020	
HCA16/21		Meanwhile, and during this case study phase (see Action HCA16/20 above), <b>HCA</b> urges the different producers of charts covering Deception Island ( <b>AR, CL, ES, GB</b> ) to establish a robust technical procedure iaw S-4 and S-11, to exchange <u>data</u> that are relevant for safe navigation in this area, and report to the HCA Chair/Secretary on the progress made in the development of this procedure.	Sep. 2019	

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HCA16/22 (former HCA15/26, HCA14/18)		<b>KR</b> to submit a formal and consolidated proposal to the Region M Coordinator (UKHO) iaw S-11 Part A for possible new INT charts and corresponding ENC's, covering Jang Bogo Approaches.	<del>Dec. 2018</del> Dec. 2019	
HCA16/23		<b>HCA Members</b> took note of the offer made by Colombia to participate in their Antarctic campaigns (contact: <a href="mailto:jquintero@dimar.mil.co">jquintero@dimar.mil.co</a> )	End of July	
	<b>7.3</b>	<b>HCA Hydrography Priorities Working Group</b>		
HCA16/24		<b>HCA</b> took note of the report and agreed on the proposals made by the HPWG Chair (Doc. HCA16-07.3B refers).		Decision
HCA16/25		<b>HPWG Chair</b> to provide the IHO Secretariat with the updated MSR in shp file format as agreed in the Decision above (HCA16/24), ...taking into account <b>HCA Members'</b> comments if any.	Dec. 2019  Sept. 2019	
HCA16/26		<b>HCA</b> commended Mr Andy Willett (UKHO) for his outstanding contribution in HCA, as Region M Chart Coordinator and Chair of the HCA HPWG, for more than 15 years. <b>HCA</b> welcomed the designation of Mr Lee Truscott (UKHO) to succeed him in both positions.		Decision
	<b>7.4</b>	<b>INT Charts and ENC Scheming and Production</b>		
HCA16/27		<b>HCA</b> approved the amendments to the INT Charts and ENC Schemes as proposed by the Region M Coordinator in his report (Doc. HCA16-07.4A refers), although inviting UKHO to keep some plans in the INT Charts Scheme for Region M, despite the lack of new survey data.		Decision
HCA16/28 (former HCA15/32)		Noting the current status of the HCA GIS, the developments in progress (INToGIS II, national MSDI Polar portals, Quantarctica...), and the outcomes of the survey made by HCA Letter 02/2017, <b>HCA Secretariat</b> to prepare the implementation of the transition of the HCA GIS and the interconnexion to Quantarctica, as described in Doc. HCA16-07.4C v2.	HCA-17	
HCA16/29		<b>HCA Members</b> to provide inputs/comments, if any, on the draft Edition 1.0 of the HCA Guidebook for Quantarctica Users (15 Sept 2019).	15 Sep 2019	
	<b>8.</b>	<b>Any other business – Preparation of C-3 and A-2</b>		

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	<b>9.</b>	<b>Date and Venue of Next Conferences</b>		
HCA16/30		Noting that ATCM XLIV (2021) is likely to be in Paris, <b>HCA-17</b> is planned in Monaco (or France, to be confirmed) during the same period of the ATCM meeting.		Decision
HCA16/31		<b>HCA Members</b> to consider the possibility of hosting HCA-18 in 20xx and report to the HCA Secretariat.	HCA-17	