

**17th Conference of the IHO Hydrographic Commission on Antarctica (HCA)
Video teleconference (VTC), 14 June 2021**

LIST OF DECISIONS and ACTIONS FROM HCA-17

(as of 14 June 2021)

Decision/Action	Agenda Item	Details	Target Date	Status (June 2021)
	1.	Opening – Welcome Address		
	2.	Approval of Agenda and Timetable		
HCA17/01		HCA Members approved the agenda and timetable.		Decision
	3.	HCA Membership Status and Statutes		
HCA17/02		HCA Members and Observers to provide their updates on the HCA Membership List to the HCA Sec. as appropriate.	Permanent	
HCA17/03		Noting the various concerns, comments and pending discussion points, HCA Members to provide their comments/views/inputs to HCA Secretariat on the proposed revised Statutes (Doc. HCA17-03C refers). HCA Secretariat (supported by Vice-Chair) to submit a new proposal for amendments to the Statutes to HCA Members based on the current version of the Statutes in force and taking into account outcome of the discussion and comments on proposal made at HCA-17.	30 September 2021 HCA-18 (with views to propose amendments on General Regulations at C-6 for A-3 if appropriate)	
	4.	Election of Vice-Chair		
HCA17/04		Mr Patrick Dorr (NGA, USA) was re-elected as HCA Vice-Chair.		Decision
	5.	Review of Status of List of Actions resulting from HCA-16		

Decision/Action	Agenda Item	Details	Target Date	Status (June 2021)
HCA17/05 (former HCA16/06, HCA15/07)		HCA 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
HCA17/06		Once WEND100 Principles are approved by IHO Member States together with Guidelines for their Implementation and Guidelines for S-101 ENC Scheming, HCA Secretariat in liaison with Region M Chart Coordinator to make a proposal on the organization in HCA for the coordination of the implementation of S-101 ENC Schemes and other S-100 Services.	HCA-19 (2024)	
HCA17/07 (former HCA16/07b)		HCA Members , binded by the Antarctic Treaty ¹ , are encouraged to ensure that bathymetric information contained in their surveys is transmitted to the IHO DCDB (new ATCM Resolution No 06/2019, as approved at ATCM XLII).	Permanent	Decision
HCA17/08 (former HCA16/08, HCA15/11)		IAATO 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-18	
HCA17/09 (former HCA16/09, HCA15/14)		HCA Chair (in liaison with ARHC Members) 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-18	Action in progress in ARHC (CA leads)
HCA17/10 (former HCA16/18)		HCA Secretary provided a composite report of the actual CATZOC values in Antarctica... ...and invited HCA Members to re-assess and allocate CATZOC values in existing Unassessed areas where possible (Source: M_QUAL data from RENCs, as of 13 May 2021).	HCA-18	

¹ Antarctic Treaty, Article II 1.(c) states “scientific observations and results from Antarctica shall be exchanged and made freely available.”

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HCA17/11 (former HCA16/17, HCA15/33)		Noting the benefits that can be made from CATZOC values in HCA ENC's for risk assessment purposes, HCA agreed to keep the C-55 geographic segmentation in Antarctica as it is, for the time being.	Permanent	Decision
	6.	IHO and ATCM		
	6.1	IHO Report to ATCM XLIII		
HCA17/12		HCA Chair to consider using some examples of Peninsula MSR ² Review in the IHO report to ATCM XLIV.	March 2022	
HCA17/13		HCA agreed on the key messages and proposals made to ATCM XLIII in the IHO Report.		Decision
HCA17/14 (former HCA16/11)		Noting that pro-active actions are necessary to have "IHO activities" in their agenda meetings, HCA Chair (ideally represented by HCA Member according to the host country/region) to consider the possibility of participating regularly in ATCM, COMNAP, SCAR and IAATO meetings. .	HCA-18, and as appropriate	
HCA17/15		HCA noted that HCA Chair is registered in ATCM XLIII to participate in the virtual session planned on 18 June 2021, when the IHO Report (Information Paper) will eventually be considered by ATCM.		
	7.	HCA activities in relation to the IHO Work Programme		
	7.1	Interaction with IHO-IOC GEBCO / IBCSO		
HCA17/16 (former HCA16/14, HCA15/22)		HCA Chair expressed his gratitude to HCA Members who provided existing survey coverage metadata to IHO Sec. and to the GEBCO IBCSO Project Leader (Dr Boris Dorschel, AWI).		Decision
HCA17/17		HCA noted the progress report on the development of IBCSO 2.0 by the GEBCO representative (Doc. HCA17-07.1A refers).		

² Maritime Shipping Routes.

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HCA17/18 (former HCA16/15)		HCA to assess/monitor the effectiveness of the data flow processes between Seabed 2030 Data Centres and the IHO DCDB.	HCA-18	
	7.2A&B	HCA Hydrography Priorities Working Group		
HCA17/19		HCA took note of the report and agreed on the principles proposed by the HPWG Chair (Doc. HCA17-07.2A refers) to modify some MSR with final cross-check of modifications to be made against the last NGA GMTDS data, once available (US, HPWG Chair) and invite COMNAP and IAATO to comment on the resulting proposals. HCA Members to provide any outstanding updates to incorporate in the report.	HCA-18 (update report)	Decision
HCA17/20		HCA Secretariat thanked the HPWG Chair for the provision of the updated MSRs to be used in GIS (2 versions to be made available: “historical” version (June 2016) derived from graphics, proposed amended version (June 2021). HCA Secretariat to make them ³ available to all HCA Members in the IHO GIS/HCA/Quantarctica infrastructure.	Asap/HCA-18	
	7.2C	INT Charts and ENC Scheming and Production		
HCA17/21 (former HCA16/20, HCA15/25, HCA14/17)		AR, CL, ES, GB (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 ENCs) of Deception Island. Outcome to be considered as best practices for other areas.	Region M Meeting prior to HCA-18	

³ Note from HCA Secretary: To be considered after IRCC13 after harmonization across all RHCs, as a possible useful (HCA) metric/tool for the new SPI 1.2.2 and the automated calculation of the indicator using CATZOC values.

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HCA17/22 (former HCA16/21)		Meanwhile, and during this case study phase (see Action HCA17/20 above), HCA urges the different producers of charts covering Deception Island (AR, CL, ES, GB) 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.	HCA-18	
HCA17/23		<i>Left blank intentionally</i>		
HCA17/24	7.5	HCA noted the US presentation on Global Maritime Traffic Density Service (GMTDS).		
	8.	Any other business – Preparation of IRCC-13 and C-5		
HCA17/25		HCA Chair informed the participants that the recent publication of an article ⁴ in <i>National Geographic</i> recognizing the naming Southern Ocean was noted by the IHO Secretariat. Related requests by media were responded with explanations on how this name has been discussed in the course of the historic reviewing of S-23 ⁵ . By means of this statement it was also pointed out that IHO itself is not a naming authority and has no mandate to denominate the “Southern Ocean” to the area.		Information
	9.	Date and Venue of Next Conferences		
HCA17/26		Noting that ATCM XLIV (2022) is likely to be in Berlin (Germany) and the importance to have a face-to-face meeting, HCA-18 is planned in Germany (to be confirmed) during the same period of the ATCM meeting, with an extra day for a meeting of the HPWG and Region M Coordination, prior to the plenary.		Decision

⁴ <https://www.nationalgeographic.com/environment/article/theres-a-new-ocean-now-can-you-name-all-five-southern-ocean>

⁵ Note from the IHO Secretariat: the IHO is not itself a naming authority. The current edition of the IHO’s Publication for the Limits of Oceans and Seas (S-23) was published in 1953 (3rd edition) and does not include the term "Southern Ocean". Although this name to designate the southern waters of this hemisphere was included in the 2nd edition of the IHO Publication for the Limits of Oceans and Seas published in 1937, the majority of opinions from Member States received after this were not in favour to this inclusion. In short: the "Southern Ocean" became an official ocean in 1937, but lost its official status in 1953. It is however recognized that GEBCO does use IBCSO for “International Bathymetric Chart of the Southern Ocean.”

Decision/Action	Agenda Item	Details	Target Date	Status (June 2021)
HCA17/27		HCA Members to consider the possibility of hosting HCA-19 in 2024 and report to the HCA Secretariat at HCA-18.	HCA-18	