

**Arctic Regional Hydrographic Commission (ARHC)****Meeting September 2023****Report of the Arctic International Charting Coordination Working Group (AICCWG)****Submitted by:** Siri Reimers Chair of AICCWG, Norway.**Related documents:**

- Minutes of ARHC 12 September 2022

**Background**

The AICCWG was established at the ARHC meeting in Tromsø, Norway, October 2012.

Mrs. Siri Reimers of The Norwegian Hydrographic Service has acted as Chairman of AICCWG since October 2022.

The AICCWG consists of the following representatives:

- Norway: Siri Reimers [siri.reimers@kartverket.no](mailto:siri.reimers@kartverket.no)
- Canada: Laura Colombe [Laura.Colombe@dfo-mpo.qv.ca](mailto:Laura.Colombe@dfo-mpo.qv.ca)
- Denmark: Kell Torp Jensen [ketje@gst.dk](mailto:ketje@gst.dk)  
Nikolaj Møller [nikmn@gst.dk](mailto:nikmn@gst.dk)
- United States: Drusilla Morgan (NGA) [Drusilla.A.Morgan@nga.mil](mailto:Drusilla.A.Morgan@nga.mil)  
Jennifer Walden (NOAA) [jennifer.walden@noaa.gov](mailto:jennifer.walden@noaa.gov)
- Russian Federation: Sergey Egorov [esv12@ramler.ru](mailto:esv12@ramler.ru) (Suspended)

There have been no meetings in AICCWG this year. The chair performs the role of coordinator.

**ENC Coverage Issues**

Most overlaps between ENC's in the region have now been successfully resolved. The few overlap issues are accepted by the producing nations, due to compilation scale and minimal size of the overlap.



**S-100 coordination in the ARHC region.**

In the ARCH-12 meeting, it was decided that AICCWG was to coordinate a report on the 'readiness to produce and availability of S-100 data within the region'.

The report will be based upon the IGIF matrix that was sent out in the WENDWG/Letter 2, 10 August 2022. [WENDWG CL02\\_2022\\_EN\\_WEND100-IGIF\\_Matrix\\_Letter.pdf \(iho.int\)](#)

A summary of the answers in the matrix will give a good picture of the status within the region.

Norway filled out the matrix late in august 2023, done with our best effort and understanding of the task, and shared the result with the other AICCWG members.

Norways result of S-101 and S-102.

S-101 (EMC)			S-102 (Bathy Surface)		
Readiness Level	Readiness Description	Score	Readiness Level	Readiness Description	Score
Governance and Institutions (A)	The product is part of a documented national or regional institutional plan, custodianship (a managing organization) has been identified and has accepted the management responsibility. All has been agreed at the national authority and RHC level.	11,10	Governance and Institutions (A)	The product is part of a documented national or regional institutional plan, custodianship (a managing organization) has been identified and has accepted the management responsibility. All has been agreed at the national authority and RHC level.	11,10
Policy and Legal (A)	Product has a documented policy regarding data protection, licensing, sharing and liability. The policy has been endorsed by the national authority and/or RHC level.	11,10	Policy and Legal (A)	Product has a documented policy regarding data protection, licensing, sharing and liability. The policy has been endorsed by the national authority and/or RHC level.	11,10
Data (D)	Product has been produced but data is not regularly applied for updates.	3,00	Data (A)	Product is supported by regional cooperative data sharing agreements. There is a regular process for data supply to update product that ensures suitable update cycle for product.	11,10
Financial (D)	Product has been produced, but the business model, business case, and socio-economic value have not been documented or identified.	3,00	Financial (A)	The product is supported by a business model that includes current funding sources, obligations, financial risks, and future investments has been completed. An agreed upon business case that justifies funding and investment has been completed. The product has a documented, well defined socio-economic value. All is agreed upon at the national and RHC levels.	11,10
Innovation (D)	Product has been produced, but is NOT available for use to influence national technological advances, innovation, and academic uses.	3,00	Innovation (A)	Product is globally available for use to influence technological advances, innovation, and academic uses at no cost.	11,10
Standards (C)	Product is built using IHO standard that is in version 2 or earlier (S-102 must be version 2.0.0 or earlier). Standard is considered to be managed by IHO and in the process of being endorsed by the IHO Member States.	5,70	Standards (C)	Product is built using IHO standard that is in version 2 or earlier (S-102 must be version 2.0.0 or earlier). Standard is considered to be managed by IHO and in the process of being endorsed by the IHO Member States.	5,70
Partnerships (C)	The product is NOT distributed through a Regional EMC Center (REMC). Product principles (transboundary arrangements) have NOT been agreed upon at the RHC level. Product stakeholders have been included in product development.	5,70	Partnerships (A)	The product is distributed through a Regional EMC Center (REMC). Product principles (transboundary arrangements) have been agreed upon at the RHC level. Product stakeholders have been included in product development.	11,10
Capacity and Education (A)	Product availability has been promoted through the RHC, including the needs, values and benefits of the product. Opportunity for training on how to produce and use the product is available throughout the RHC region at limited or no cost to Member States.	11,10	Capacity and Education (A)	Product availability has been promoted through the RHC, including the needs, values and benefits of the product. Opportunity for training on how to produce and use the product is available throughout the RHC region at limited or no cost to Member States.	11,10
Communication and Engagement (D)	Product has been produced, but product narrative has NOT been developed. Potential relationships, including advocates, partners, users and third parties have NOT been identified.	3,00	Communication and Engagement (A)	Product uses, availability, and cost (if any) have been included in a compelling narrative for all audiences. Potential relationships, including advocates, partners, users and third parties have been identified at the RHC level.	11,10
<b>Total:</b>	56,70		<b>Total:</b>	34,50	

The other AICCWG members were asked if they had filled out the matrix, but no answers received yet. But they got a very short notice, so answers are expected after the ARCH-meeting, and hopefully before the next WENDWG-meeting in January.

### **Gridded ENC Scheming**

This task is lead by Canada. Status pt. is unknown to AICCWG chair.

### **The ARHC-13 is invited to:**

1. Note the report.
2. Consider extending the list of member countries in AICCWG, due to ease the coordination of report on S-100.