



UK Hydrographic
Office



United Kingdom Regional Report

for the

14th Meeting

of the

Arctic Regional Hydrographic Commission
(ARHC14)

from

3 - 5 September 2024

at

Tromsø, Norway

Date Amended: **5 Aug 24**

This Report is to be read in conjunction with the [UK's Generic National Report](#) (updated in January 2024) and provides specific information and updates to the ARHC region.

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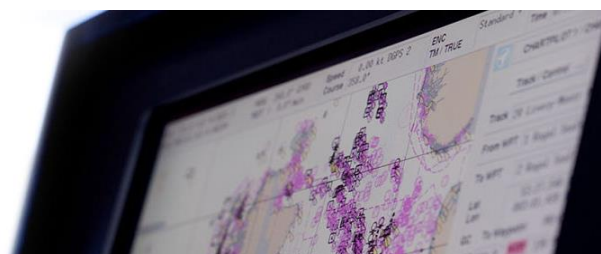
1. PAPER CHARTS:

1.1. Information on the UK's chart portfolio is provided on the [ADMIRALTY website](#) as well as within the [UK Generic National Report](#). Within the ARHC region, the UKHO has published nil New INT Chart and one INT Adoption since the last ARHC13 meeting (September 2023). The breakdown is shown in the table below:

GB Chart Number	INT Chart	Title	Adoption	Published
2352	9316	LOPPHAVET to MEHAMN		Mar 2024
INT Charts to be published in the next six months				
Nil				
INT Charts scheduled for independent withdrawal in the next six months				
N/A		Currently being reviewed		

2. DIGITAL CHARTS:

The [UK's Generic National Report](#) provides information on the UK's portfolio of chart products and services, including distribution. The following paragraphs provide information specifically relevant to the EAHC region.



2.1. ENCs:

Within the ARHC region, the UKHO has released a total of 5 GB ENC cells since ARHC13. The breakdown by usage band is shown in the table below:

ENC totals by usage band as produced by the UKHO:

ENC Usage Band	Number of GB ENCs
1	5
2	0
3	0
4	0
5	0
6	0
Total Number of ENCs	5

The table below shows new cells in the GB ENC coverage for the ARHC Region that were released between September 2023 and August 2024.

New GB Cells	Cell Title	Week No
Nil		

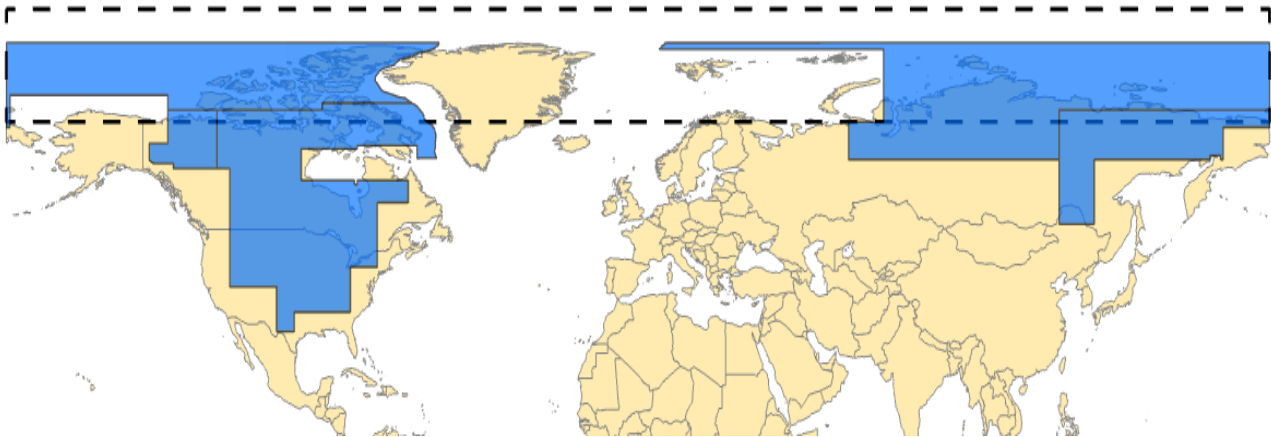
GB ENC planned for release in the next six months:

New GB Cells	Cell Title
Nil	

The table below shows cancelled cells and their replacements in the GB ENC coverage for the ARHC Region between September 2023 and August 2024.

Cancelled GB Cells	Week No	Replacements	
		Cell Name	Cell Title
Nil			

The following images illustrate the current coverage of UKHO produced GB Band 1 ENCs within the ARHC.



2.2. The S-1XX Era:

- a. We are supporting the IHO's Roadmap for the S-100 Implementation Decade and timeline for the roll-out of the S-100 standards and ensuring we are in step with IMO S-100 ECDIS carriage and performance standards.
- b. We are developing distribution services to ensure that we can meet the needs of our Distributors, shipping companies, ports, and others in the marine industry for S-100 data.
- c. We are currently working with equipment manufacturers, solution providers, ports, and pilots to help us develop our services before S-100 ECDIS begins to roll out from January 2026.
- d. We aim to have initial S-100 end-user services in place 6 months ahead of the need to support its use in ECDIS.
- e. We expect the use of S-100 to gradually build from 2026 to 2029, from when all new ECDIS must be compatible with S-100.
- f. During this period, we will upgrade our services to provide a seamless transition for users from their existing S-57 ENC service to S-100 services.

g. At the same time, we are building our production capabilities to deliver the IHO Phase 1 Route Monitoring data types for areas where the UK is the producer authority. We will also support other Hydrographic Offices in building their S-100 capabilities through collaboration, information sharing and training.

2.3. **Gridded ENC Rescheme:**

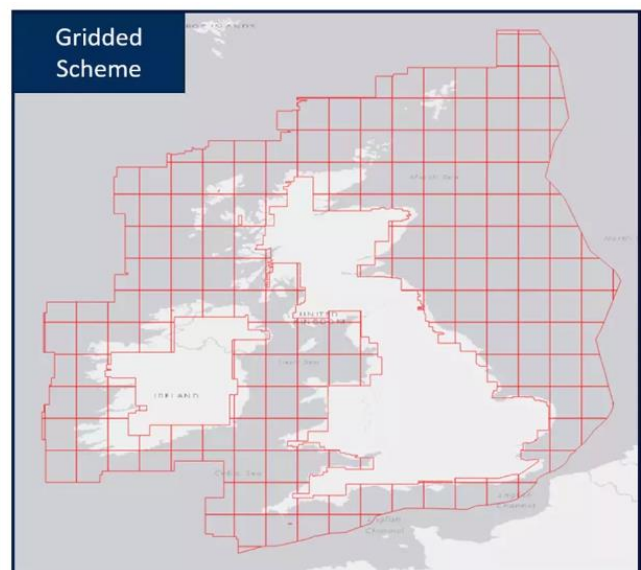
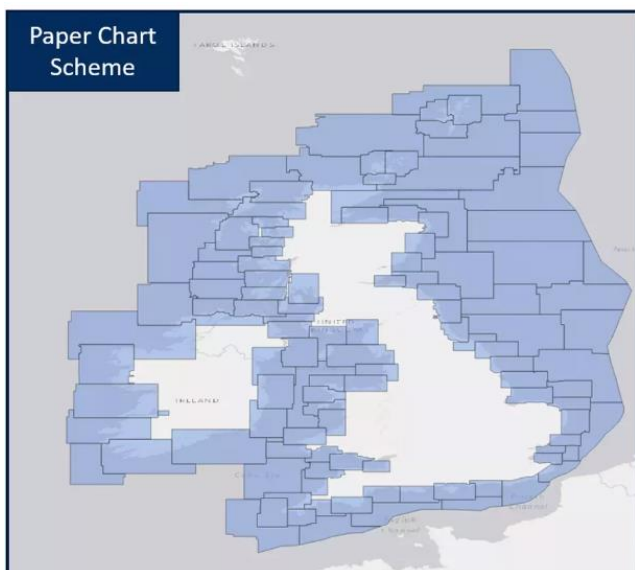
a. The UKHO has begun the process to rescheme all GB ENCs using a gridded scheme which can be applied to all scale bands for S-57 and S-101.

b. The project has already successfully delivered several areas of reschemed GB ENC coverage including High Density contouring, which is generating very positive feedback from the users.

c. The UKHO is happy to share its findings, parameters and how it has overcome challenges so that others (national HOs and RHCs).

d. Several national HOs have shown an interest in using the UKHO scheme and aligning their data limits with GB ENC coverage and one RHC has chosen to adopt the UK grid where their contributor nations chose to do so.

e. The gridded scheme will also be used to scheme additional data including S-102, S-104 and S-111, to form an aligned interactive data-stack with the S-57/S-101 data.

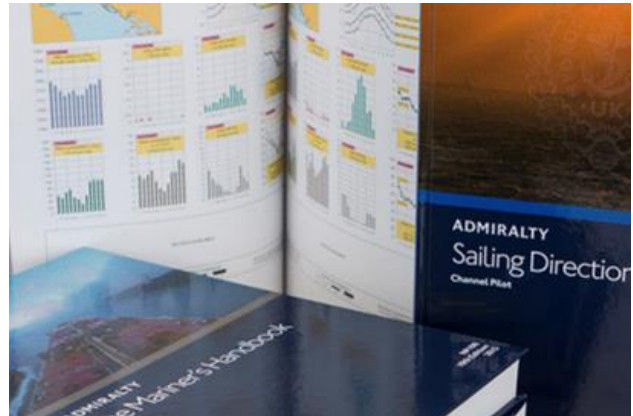


3. **PUBLICATIONS:**

3.1. **Paper Publications:**

a. The Admiralty Sailing Directions in the ARHC region are as follows:

NP4	Southeast Alaska Pilot
NP10	Arctic Pilot, Vol 1
NP11	Arctic Pilot, Vol 2
NP12	Arctic Pilot, Vol 3
NP23	Bering Sea and Strait Pilot
NP57B	Norway Pilot, Vol 2B
NP58A	Norway Pilot, Vol 3A
NP58B	Norway Pilot, Vol 3B
NP72	Southern Barents Sea and Bøfjorden Pilot



New Editions Published since last ARHC meeting September 2023 : None

b. The UKHO is currently in the process of developing an improved digital Sailing Directions product - ADMIRALTY Digital Sailing Directions (ADSD). Initially this new product will be launched alongside the existing e-NP Sailing Directions, but the expectation is that in time it will eventually replace our existing e-NP SD product. The project responsible for delivering this new SD product is making strong progress on developing an improved Sailing Directions viewer which has been designed with user needs and insight at its heart. Alongside this, the UKHO is also developing an improved internal production tool which will allow for more efficient provision of better structured data to users.

c. In March 2024, the UKHO began a trial with this new ADSD product with limited vessels navigating in UK Waters. Over the course of the following 12 months (so, until March 2025), this will allow the UKHO to iteratively develop the product based on user feedback gathered during the trial. Further details will be available in the months to come - including the expected launch date and further insight into the new and improved functionality of this product.

3.2. **Digital Publications:**

The UKHO produces a range of ADMIRALTY Digital Publications which are digital versions of the ADMIRALTY paper Nautical Publications. Further information can be found on the [ADMIRALTY website](#) as well as within the [UK's Generic National Report](#).

4. **C-55 LATEST UPDATE:**

a. As described in the [UK Generic National Report](#), the UK is committed to providing regular updates to the C-55 entries for UK Home Waters and Overseas Territories. The UK has also provided assistance to other countries to update C-55 entries where the UKHO retains the primary charting responsibility; recognising that local input remains critical to the maintenance of C-55 as an up-to-date and authoritative reference document.

- b. The latest status for all UK Home Waters, Overseas Territories and PCA nations is correctly outlined within the [IHO C-55 publication](#).

5. **CAPACITY BUILDING:**

Full details of the UK's Capacity Building involvement, including training courses can be found in the [UK's Generic National Report](#).

5.1. **IHO Capacity Building Sub-Committee:** The UK fully supports the IHO Capacity Building Sub-Committee strategy (CBSC) and particularly its emphasis on facilitating Phase 1 and appropriate Phase 2 capacity to enable coastal states to meet their obligations under SOLAS Chapter V Regulations 4 and 9. The UK will continue to contribute resources to both CBSC initiatives and to providing bilateral assistance.

5.2. **Capacity Building Coordinator:** The UKHO has a post (see [UKHO POINTS OF CONTACT - ARHC REGION](#)) dedicated to capacity building. Its key aims are to ensure that capacity building is properly considered in the UKHO activity and that the UKHO's capacity building activities are fully coordinated. It acts as the initial point of contact for the UKHO's involvement in capacity building activities, including UK involvement in regional hydrographic commission initiatives and IHO Capacity Building Sub Committee activities.

5.3. **Cartographic Training provided by the UKHO:** A general description of training provided by the UKHO is included in the UK Generic National Report. Further details of the training opportunities offered by the UKHO can be found on the UKHO website.

5.4. **NIPPON Foundation-sponsored GEOMAC Cat B Courses:** The UKHO International Training Team are pleased to announce that the 16th Nippon Funded GeoMAC CAT-B Course commenced on 15 July 2024. Please click [here](#) for a detailed list of all UKHO International Training Courses.

5.5. **ENC Training and Assistance:** The UKHO strongly supports the successful uptake of type approved ECDIS using Official ENCs and is pro-active in offering assistance to other nations to produce, maintain and distribute ENCs. Details of courses, sponsorship, venues and options for bespoke training provided by the UKHO can be provided on request.

6. **P5 YEARBOOK LATEST UPDATE:**

The UK updates the IHO P5 Yearbook entry every year. The latest information is outlined within the [IHO P5 Publication](#).

7. **UKHO POINTS OF CONTACT - ARHC REGION:**

UKHO Website: GOV.uk/UKHO

The general UKHO address is:

UK Hydrographic Office
Admiralty Way
TAUNTON
Somerset
TA1 2DN
United Kingdom

For further information on this Report, UKHO representation in international fora and UKHO activities in general, please contact:

E-mail: IBTE@ukho.gov.uk

Telephone: +44 (0)1823 484444

For bilateral arrangements and other international partnering matters within the ARHC region, please contact:

Mr Simon Hardern

Head of Partnering & Engagement, Americas

Telephone: +44 (0) 1823 483729

E-mail: Simon.Hardern@ukho.gov.uk

Mr Jeremy Kitchker

International Training Manager

Telephone: +44 (0) 1823 483438

E-mail: Jeremy.Kitchker@ukho.gov.uk

Ms Lucy Fieldhouse

International Capacity Building Manager

Telephone: +44 (0)1823 483335

E-mail: Lucy.Fieldhouse@ukho.gov.uk

For charting matters in the ARHC region, please contact:

Mr Robert Wheeler

Geographical Technical Lead,

Telephone: +44 (0) 1823 484293

E-mail: Robert.Wheeler@ukho.gov.uk

For matters related to Sailing Directions within the ARHC region, please contact:

Email: SDImpactAnalysis@ukho.gov.uk