



UK Hydrographic  
Office

# **UNITED KINGDOM REGIONAL REPORT**

to the

23<sup>rd</sup> MEETING OF THE  
NORTH INDIAN OCEAN HYDROGRAPHIC  
COMMISSION (NIOHC23)

21-23 May 2024 Chiang Mai, Thailand

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

## Contents

<b>1</b>	<b>PAPER CHARTS</b> .....	<b>3</b>
<b>2</b>	<b>DIGITAL CHARTS</b> .....	<b>4</b>
<b>3</b>	<b>PUBLICATIONS</b> .....	<b>8</b>
<b>4</b>	<b>C-55 LATEST UPDATE</b> .....	<b>8</b>
<b>5</b>	<b>CAPACITY BUILDING</b> .....	<b>9</b>
<b>6</b>	<b>P5 YEARBOOK LATEST UPDATE</b> .....	<b>9</b>
<b>7</b>	<b>UKHO POINTS OF CONTACT - NIOHC REGION</b> .....	<b>9</b>

## I PAPER CHARTS

I.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 NIOHC region, the UKHO has published 3 New Adopted INT Paper Charts, 7 New INT Paper Editions and 18 Adopted INT Paper Editions since the last NIOHC meeting (Feb 2023). The breakdown is as follows:

GB Chart Number	INT Chart	Title	Published
90	7425	Malancha River to Saint Martin's Island	2 Mar 2023
IN2031	7326	Okha Harbour	1 June 2023
IN2060	7332	Approaches to Salaya	1 June 2023
IN2079	7329	Approaches to Mundra Port	1 June 2023
IN251	7318	Sir Creek to Dwarka	1 June 2023
1470	7325	Veraval to Okha	1 June 2023
IN203	7319	Gulf of Kachchh	1 June 2023
317	7400	Chennai to Ramayapatnam	8 June 2023
318	7405	Ramayapatnam to Sacramento Shoal	8 June 2023
319	7408	Sacramento Shoal to Kalingapatnam	8 June 2023
IN263	7383	Cape Comorin to Colombo	15 June 2023
IN2015	7337	Port of Mumbai (Bombay)	7 Dec 2023
IN2076	7338	Jawaharlal Nehru Port and Trombay	7 Dec 2023
IN4006	7449	Port Blair	14 Dec 2023
IN292	7021	Dwarka to Mumbai	21 Dec 2023
3	7380	British Indian Ocean Territory - Chagos Archipelago	25 Jan 2024
899	7426	Approaches to Hiran Point	21 Mar 2024
907	7452	Trikona Island to Monkey Point	21 Mar 2024
910	7451	Monkey Point to Mongla Port	21 Mar 2024
333	7135	Offshore Installations in the Gulf of Suez including Ras Shukheir (Ra` s Shuqayr)	28 Mar 2024
2373	7136	Suez Bay (Bahr el Qulzum) to Ras Sheratib	28 Mar 2024
2374	7134	R` as Sharatib to Juzur Ashrafi	28 Mar 2024
IN2033	7341	Gulf of Kachchh	4 April 2024
102	7427	Chattogram Harbour	1 April 2024
326	7146	Southern Approaches to Madinat Yanbu 'as Sina'iyah	25 April 2024
327	7145	Northern Approaches to Yanbu'	25 April 2024
328	7147	Madinat Yanbu` as Sina` iyah - Mina' al Malik Fahd	25 April 2024
IN254	7331	Approaches to Gulf of Khambhat	25 April 2024

## 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 EAtHC region.



### 2.1 ENC's

Within the NIOHC region, the UKHO has released a total of 118 GB ENC cells since NIOHC23.

The breakdown by usage band is shown in the table below:

**ENC totals by usage band as produced by UKHO**

NIOHC Region Released Cells	
ENC Usage Band	Number of GB ENC's
1	4
2	12
3	31
4	43
5	26
6	2
Total Number of ENC's	118

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

New GB Cells	Cell Title	Week No.
N/A		

GB ENC's planned for release in the next six months:

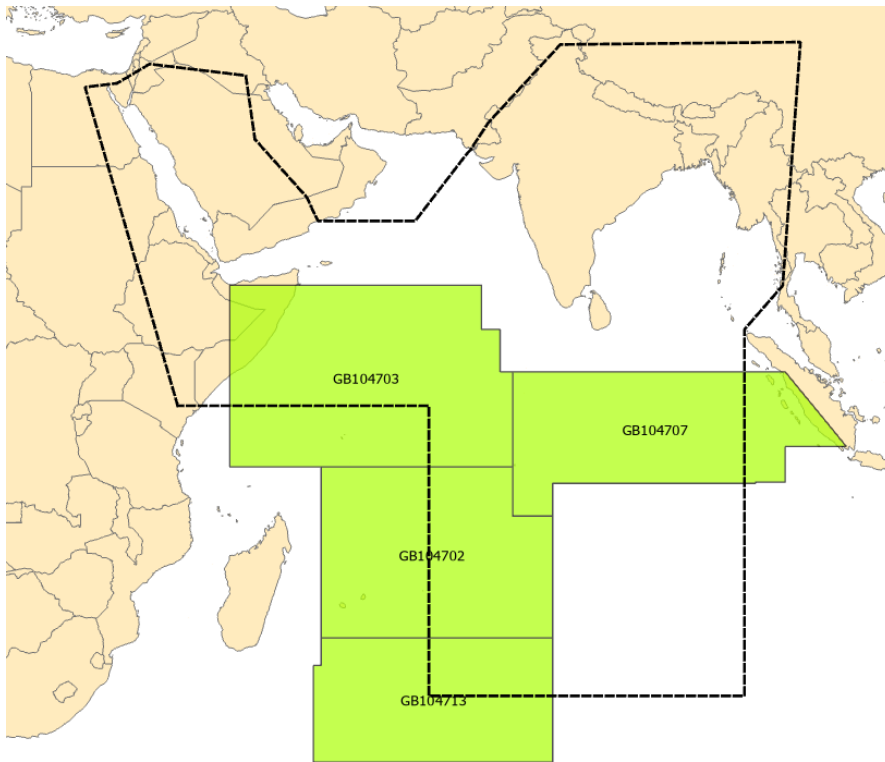
New GB Cells	Cell Title
N/A	

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

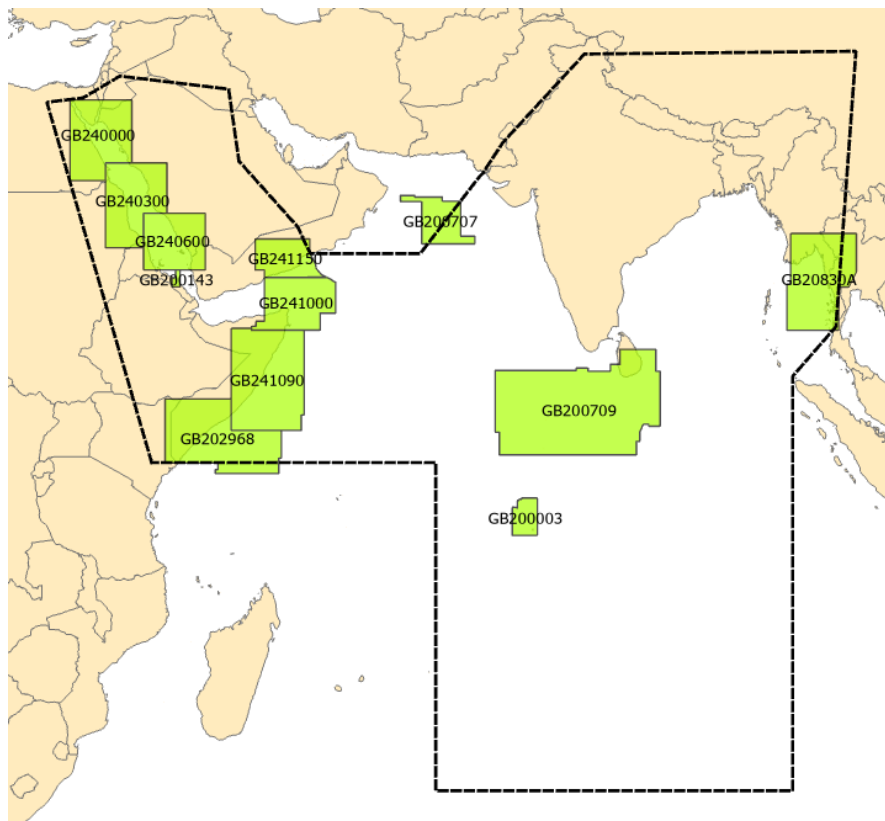
Cancelled GB Cells	Week No.	Replacements	
		Cell Name	Cell Title
GB45502A	34_23	LK4PG07B LK4PG03D	Title Not Specified
GB44030B	45_23	SI4R0124	Approaches To King Fahad Industrial Port Yanbu´
		SI4R0125	Ra's Al'ataya To Shi'b Makharij
		SI4R0126	Shi'b Makharij To Jadar As Sanbuk
GB440010	07_24	SI4R0106	AL KARAMAH TO UMM USAYLIYAH ISLAND
		SI4R0107	UMM USAYLIYAH ISLAND TO RAS WADI TARIM

The following images illustrate the current coverage of UKHO produced GB ENC's within the NIOHC.

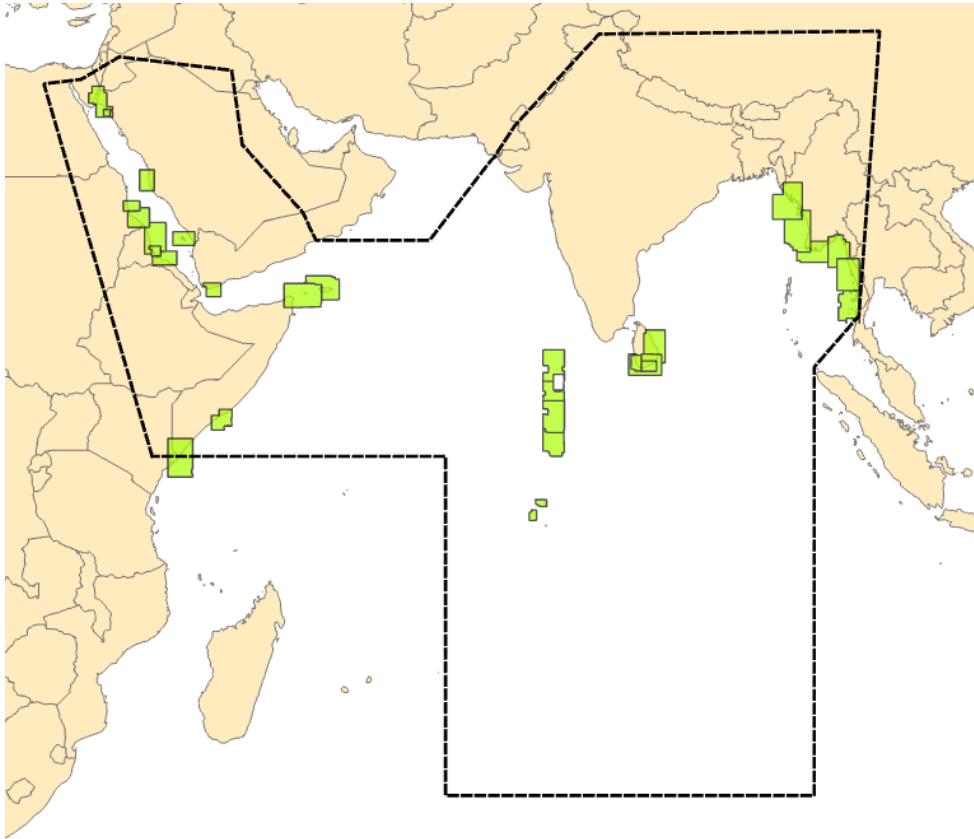
**GB ENC's - Usage Band 1**



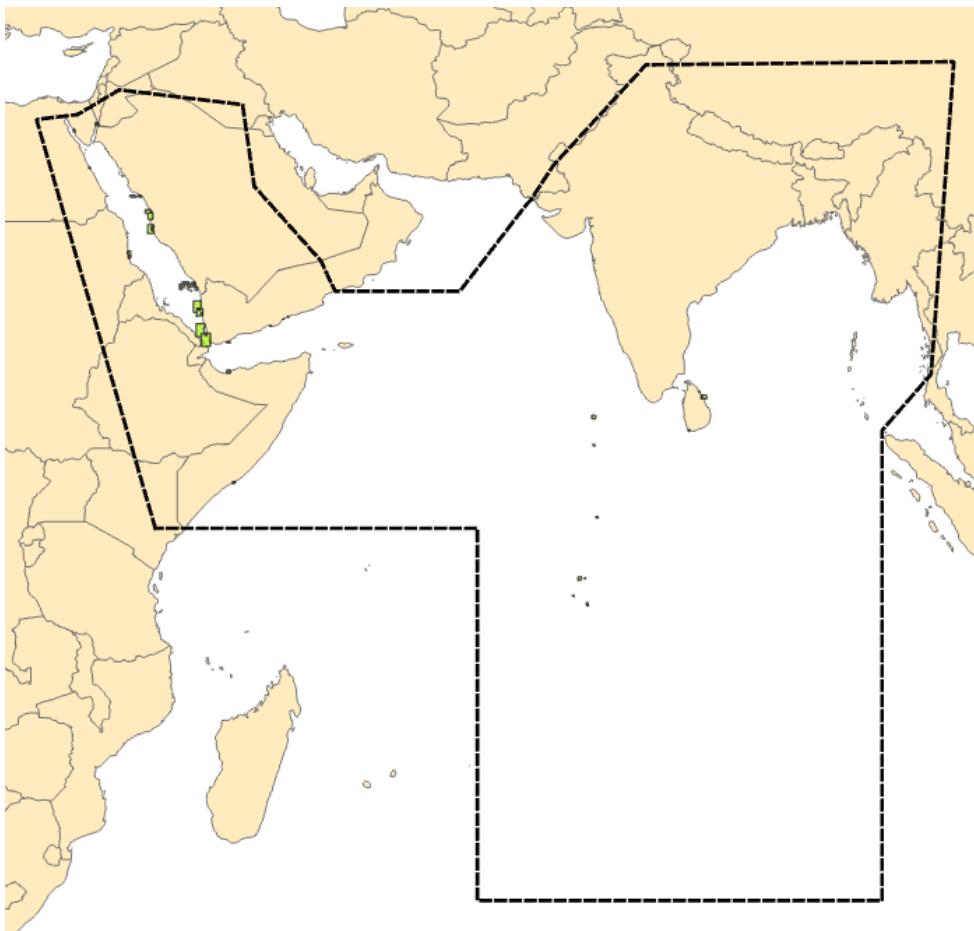
**GB ENC's - Usage Band 2**



**GB ENC's - Usage Band 3**



**GB ENC's - Usage Band 4-6**



## 2.2 The S-1XX Era

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.

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.

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.

We aim to have initial S-100 end-user services in place 6 months ahead of the need to support its use in ECDIS.

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.

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.

At the same time, we are building our production capabilities to deliver the IHO Phase I 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

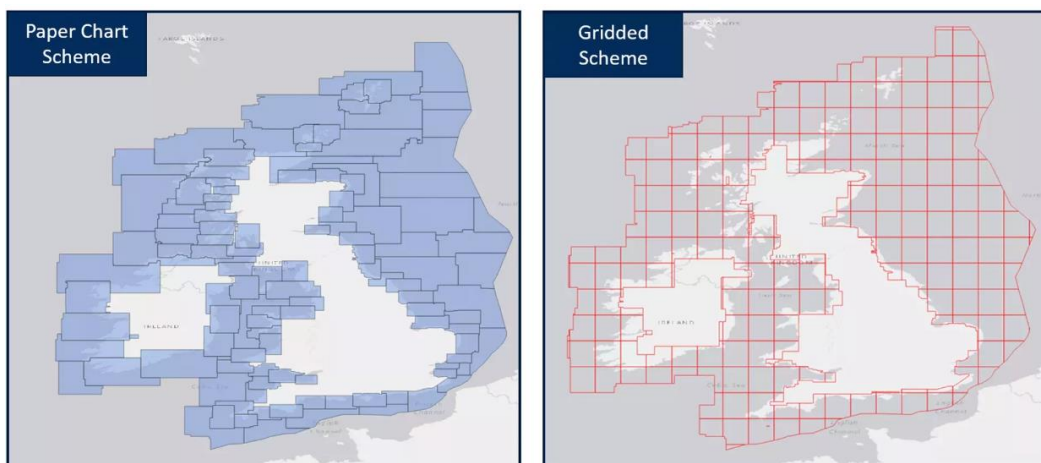
The UKHO has begun the process to rescheme all GB ENCs using a gridded scheme which can be applied to all scale bands for S-57 and S-101.

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.

UKHO is happy to share our findings, parameters and how we have overcome challenges so that others (national HOs and RHCs) can align with the UK grid.

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.

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

The Admiralty Sailing Directions in the NIOHC region are as follows:

- NP39 South Indian Ocean Pilot
- NP64 Red Sea and Gulf of Aden Pilot
- NP3 Africa Pilot Vol 3
- NP2 I Bay of Bengal Pilot
- NP38 West Coast of India Pilot

#### **New Editions Published since last NIOHC meeting February 2023:**

NP38 West Coast of India Pilot was published 9<sup>th</sup> March 2023

#### **New Editions to be published soon:**

NP2 I Bay of Bengal Pilot planned for 26<sup>th</sup> September 2024

These publications are all maintained on a continuous revision cycle and new editions are published as required.

Full details of the other ADMIRALTY publication range and their status can be found on the ADMIRALTY website ([www.admiralty.co.uk](http://www.admiralty.co.uk)).

#### 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](http://www.admiralty.co.uk) as well as within the [UK Generic National Report](#).

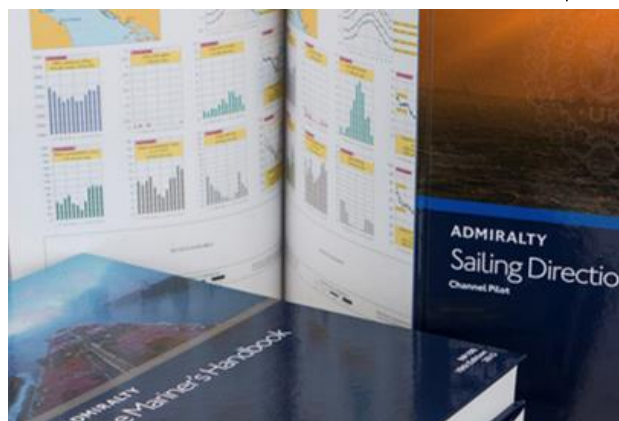
### 4 C-55 LATEST UPDATE

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 UKHO retains the primary charting responsibility; recognizing that local input remains critical to the maintenance of C-55 as an up-to-date and authoritative reference document.

Within the NIOHC region the UK fulfils the Primary Charting Authority (PCA) responsibilities on behalf of the following nations (UK OTs are shown with an \*):

- British Indian Ocean Territory (BIOT)\*
- Eritrea
- Israel
- Jordan
- Maldives
- Myanmar
- Saudi Arabia
- Somalia
- Sri Lanka
- Sudan
- Yemen – Socotra Island
- Yemen

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 Generic National Report](#).

In 2023/2024, we welcomed over 100 students from the NIOHC region onto our online courses. We also welcomed 3 students from the NIOHC region onto our on-site courses, this included Mr Wahyudi Mardasin, Indonesia, for the IHO-Nippon Foundation GEOMAC Course, July – December 2023. For further information on our course offering please refer to the [UK Generic National Report](#).

In addition to specific training and capacity building activity, UKHO undertook a four-day S100 consultancy with the Oman National Hydrographic Office (ONHO) in February. This enabled the development of a S100 implementation plan at ONHO.

## 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 - NIOHC REGION

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