



# **UNITED KINGDOM NATIONAL REPORT**

to the

**15<sup>th</sup> NORTH INDIAN OCEAN HYDROGRAPHIC  
COMMISSION (NIOHC) CONFERENCE**

**Muscat, Oman  
16-18 March 2015**

This report supplements the UK Generic National Report, posted on the UKHO website

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## 1. UNITED KINGDOM HYDROGRAPHIC OFFICE (UKHO)

### UK Delivery of Hydrographic Services

1.1 The UK delivery of hydrographic services is described in the UK Generic National Report. However, it is worth highlighting the benefits which derive from the close liaison which exists between UK's hydrographic office (UKHO) and UK's maritime administration (MCA) in providing a co-ordinated approach to hydrographic and maritime safety representation both nationally and internationally.

### UKHO Governance and Targets

1.2 This is described in the UK Generic National Report to the IHO, see [www.ukho.gov.uk](http://www.ukho.gov.uk) → About Us → Role & Purpose → UK National Report

### UKHO Organisation



1.3 Details of the UKHO's organization are provided in the UK Generic National Report (section 1) together with general contact details. Specific contact details relevant to the NIOHC region are included at the end of this report.

### Production Systems

1.4 This is described in the UK Generic National Report to IHO.

### Cooperation and Partnerships



1.5 The UK is committed to the bilateral arrangements which it has developed in cooperation with other international government hydrographic authorities, covering a range of topics, including the use of copyright data, and also promotes other forms of co-operation between the participants, helping to enhance international maritime safety and protection of the environment.

## 2. SURVEYS

2.1 Details of the management of civil hydrographic surveys in UK Home Waters are provided in the UK Generic National Report, and on the UKHO website. UK's National Hydrographic Committee (known as the UK Civil Hydrography Annual Seminar (CHAS)) meets on an annual basis and provides the necessary breadth of interests to ensure that all surveying requirements are taken into account when prioritizing the work of the Civil Hydrography Programme (CHP). CHAS was expanded in 2007 to include a much wider range of organisations which conduct hydrographic survey, and has been considerable successful in promoting co-operation between these organisations.

2.2 Any requests for survey assistance from nations within the NIOHC region will be assessed within the UK MoD, with advice from UKHO. UKHO can also contribute to project

management of hydrographic surveys, and has a post dedicated to the phased development of new international survey activity and capability. It acts as the initial point of contact for UKHO involvement in direct overseas surveying schemes, including UK Overseas Territories and Regional Hydrographic Commission initiatives. Further information can be obtained from Mr. Sam Harper ([samuel.harper@ukho.gov.uk](mailto:samuel.harper@ukho.gov.uk)).

### 3. CHARTS

3.1 UK's Generic National Report provides information on UK's portfolio of chart products and services. The following paragraphs provide information specifically relevant to the NIOHC region.

#### Paper Charts



3.2 The following charts have been published since the last NIOHC meeting:

GB Chart Number	INT Chart	Title	Published
15	7154	JIZAN AND APPROACHES	17-Jul-14
84	7428	APPROACHES TO CHITTAGONG	05-Feb-15
234	-	GANGAVAREM PORT	17-Apr-14
263	7120	PORT OF DJIBOUTI	05-Feb-15
264	7115	APPROACHES TO DDJIBOUTI	05-Feb-15
523	7324	PORT OF OKHA	19-Jun-14
524	7326	OKHA HARBOUR	19-Jun-14
532	-	ROZI ANCHORAGE	19-Jun-14
571	7403	CHENNAI HARBOUR	25-Sep-14
651	-	MUNDRA PORT	25-Sep-14
652	-	MUNDRA PORT – WEST BASIN	25-Sep-14
813	7386	COLOMBO TO SANGAMA KANDA POINT	31-Jul-14
1465	7318	SIR CREEK TO DWARKA	26-Jun-14
1466	-	JAKHAU TO DWARKA	26-Jun-14
1469	-	DWARKA TO NAVIBANDAR	03-Jul-14
1470	7325	OKHA TO VERAVAL	03-Jul-14
1472	-	NAVIBANDAR TO VERAVAL	03-Jul-14
1474	7328	VERAVAL TO PIPAVAV	10-Jul-14
1475	-	VERAVAL TO DIU HEAD	10-Jul-14
1477	-	DIU HEAD TO GOPNATH POINT	10-Jul-14
2133	7139	APPROACHES TO SUEZ BAY	20-Nov-14
3323	7372	MALE ATOLL	06-Nov-14
3467	7351	NEW MANGALOREAN AND MANGALORE	25-Sep-14
3473	-	ESSAR BULK TERMINAL	17-Jul-14
3474	-	TAPI RIVER	17-Jul-14

GB Chart Number	INT Chart	Title	Published
3900	-	MALACCA STRAIT NORTH	29-Jan-15
4701	701	MAPUTO TO MUQDISHO (MOGADISCIO)	28-Aug-14

**Table 1**

3.3 Charts scheduled for publication in the next six months.

NE 569		Approaches to Krishnapatnam
NC 571	(INT 7402)	Approaches to Chennai
NE 1488	(INT 7344)	Approaches to Pipavav
NC 2069	(INT 7397)	Point Calimere to Chennai
NE 2623		Mumbai Docks

**Digital Charts**



3.4 As noted in section 3.1, UK's Generic National Report provides information on UK's portfolio of chart products and services. The following paragraphs provide information specifically relevant to the NIOHC region.

3.5 Within the NIOHC region, the UKHO has released a total of 134 ENC cells; the breakdown by usage band is shown in the table 2; the limits of the ENC's are shown with figures 1-5.

NIOHC Region Released Cells	
ENC Usage Band	Number of GB ENCs
Overview	6
General	14
Coastal	33
Approach	42
Harbour	34
Total number of released ENCs	134

**Table 2**

NIOHC GB Overview Usage Band

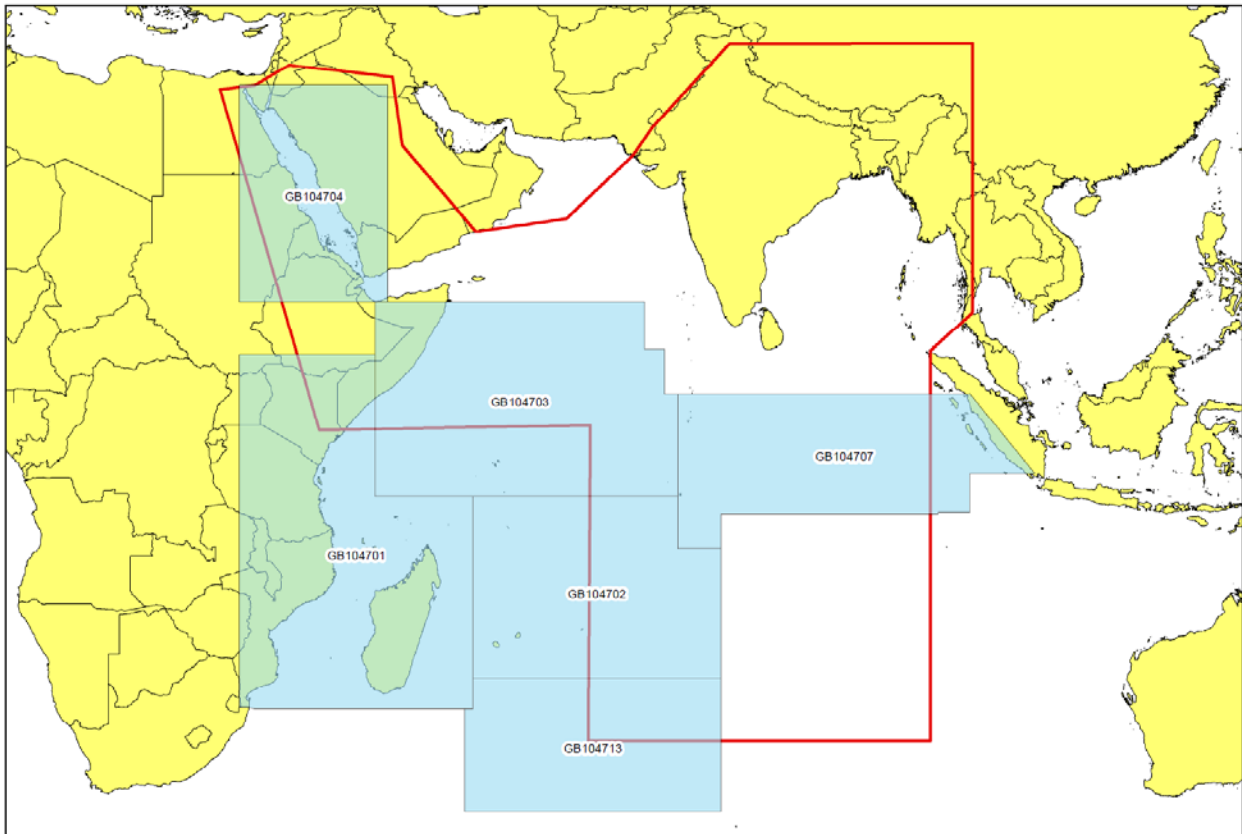


Figure 1

NIOHC GB General Usage Band

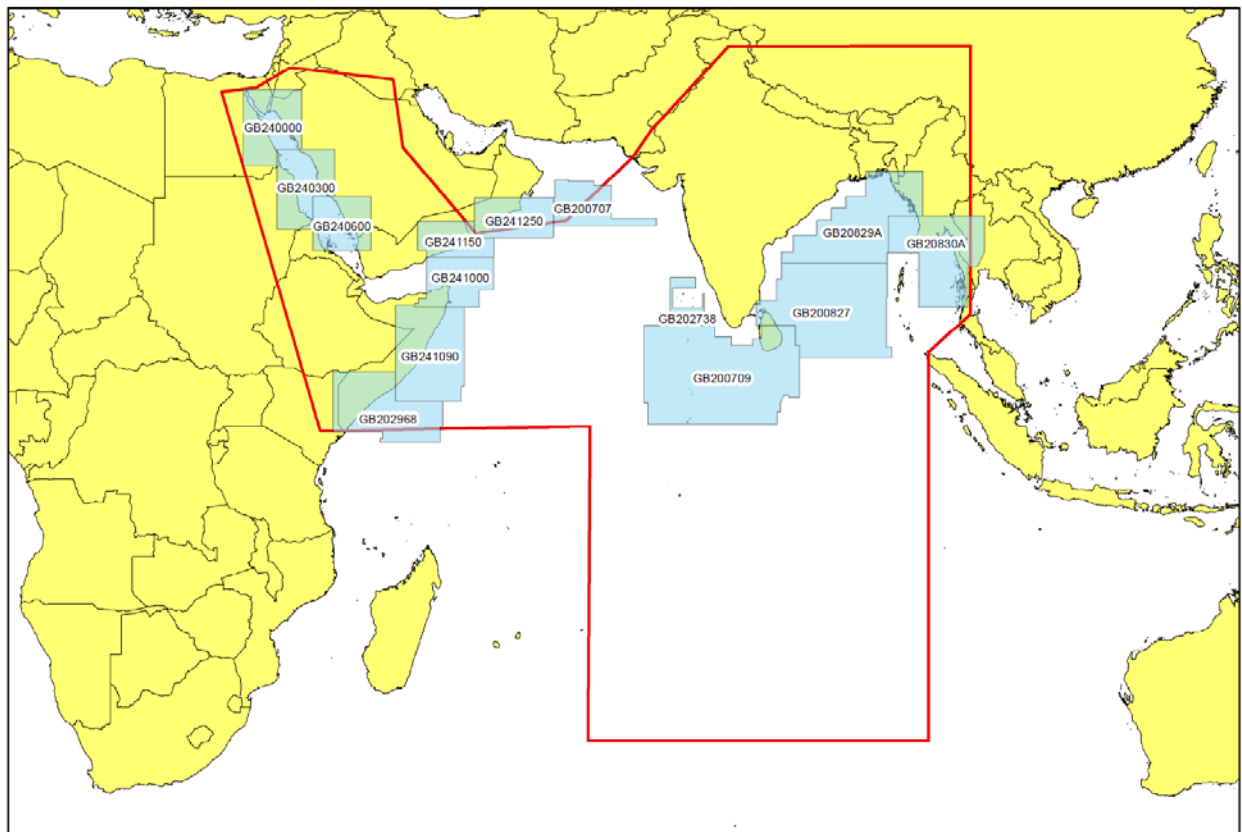


Figure 2

NIOHC GB Coastal Usage Band

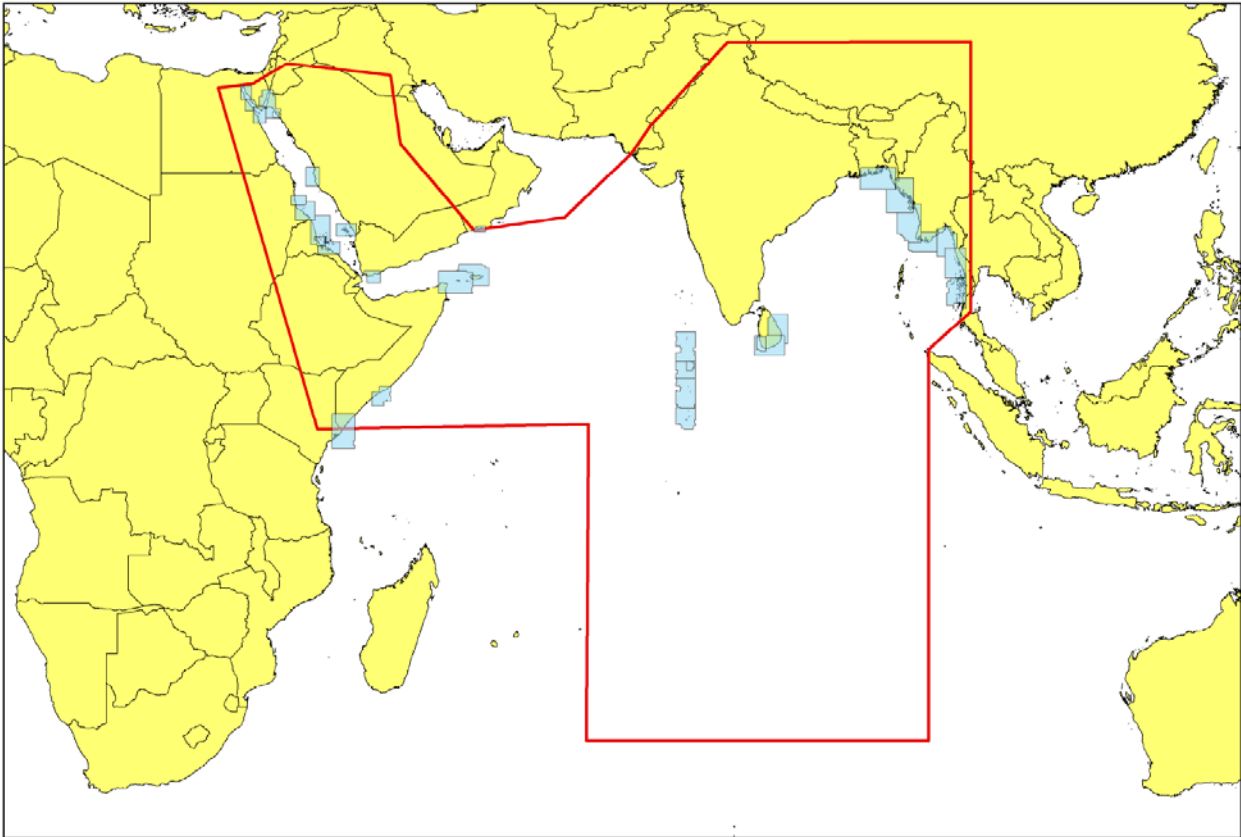


Figure 3

NIOHC GB Approach & Harbour Usage Band (E)

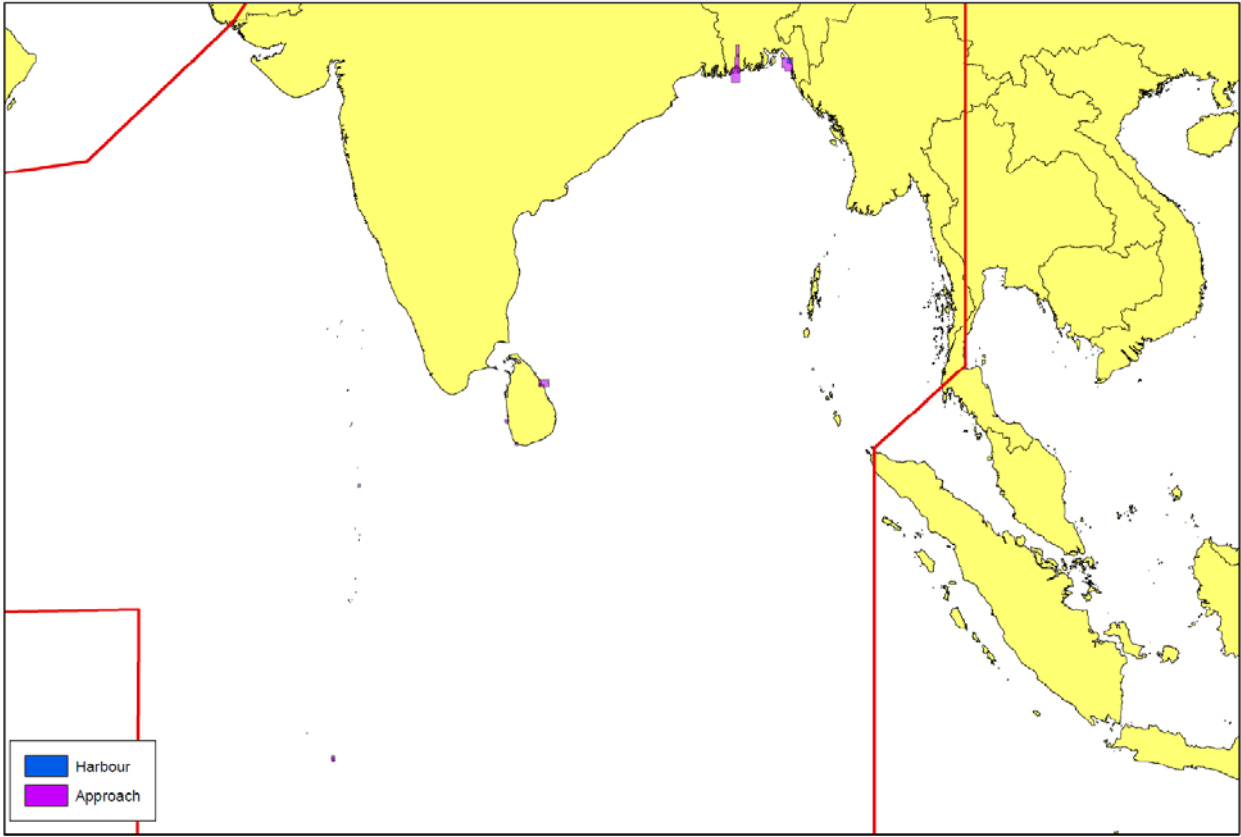


Figure 4

## NIOHC GB Approach & Harbour Usage Band (W)

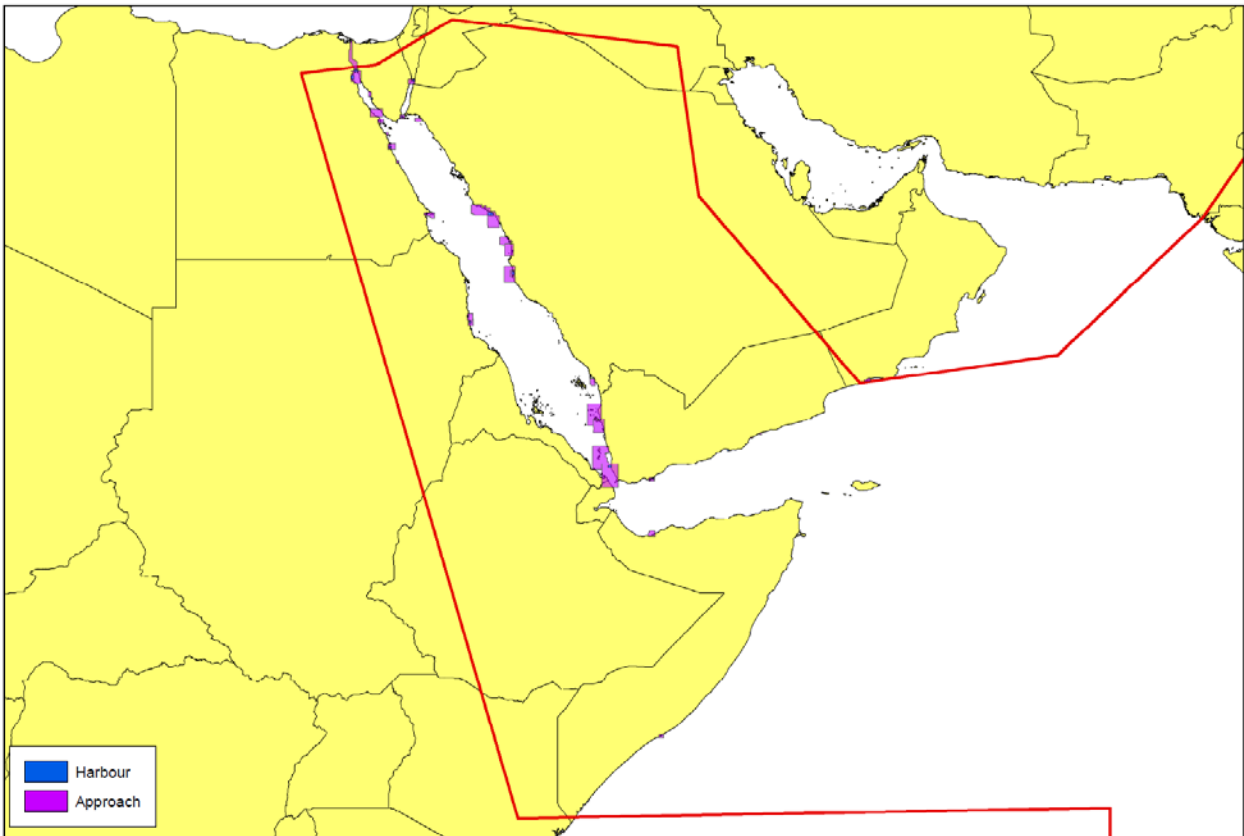


Figure 5

### ENC Distribution

3.7 The UKHO, along with other European hydrographic offices, was a founder member of the IC-ENC RENC. IC-ENC (International Centre for ENC) concentrates its efforts on the validation and consistency of ENC data and leaves the marketing of ENCs to the shipping industry to its value-added resellers and chart agents. Additional details can be found on the IC-ENC website ([www.ic-enc.org](http://www.ic-enc.org)).

## 4. PUBLICATIONS

### Paper Publications



4.1 The Admiralty Sailing Directions in the NIOHC region is as follows:

- NP3 Africa Pilot Vol 3
- NP21 Bay of Bengal Pilot
- NP38 West Coast of India Pilot
- NP64 Red Sea and Gulf of Aden Pilot



## Digital Publications



4.2 The UKHO continues to develop digital equivalents to its existing paper publications; these have advantages to the mariner of providing additional functionality and minimising the task of updating.

4.3 The UKHO has produced e-Nautical Publications (e-NPs) which are the digital version of Admiralty paper Nautical Publications. The e-NPs are subscription based pdf style e-books that are updatable by Notices to Mariners.

4.4 The Admiralty digital catalogue may be downloaded free from the UKHO website ([www.ukho.gov.uk](http://www.ukho.gov.uk)); it includes details of all paper and digital charts and publications and is updated weekly. It is a useful tool to check on the ENC coverage within the region and to show the latest edition dates of both charts and publications.

## 5. MARITIME SAFETY INFORMATION



5.1 The UK's principal responsibility within the NIOHC region is for its Overseas Territory of British Indian Ocean Territory (BIOT), which is an almost exclusively military facility. Therefore any MSI broadcast is to meet military needs rather than those of the GMDSS. UK maintains close liaison with India, the NAVAREA Co-ordinator for NAVAREA VIII. UK also maintains close liaison with Pakistan, the neighbouring NAVAREA IX Co-ordinator. Any information received at UKHO which requires urgent promulgation is passed to the respective NAVAREA Co-ordinator on a H24 basis.

5.2 GMDSS coverage in the NIOHC region is generally modest and administrations should be encouraged to develop their capabilities and infrastructure further and to provide at least Phase One hydrographic capability to promulgate MSI in a timely and efficient manner through their National Co-ordinators in coastal regions, or to utilise the communication facilities of the NAVAREA VIII Co-ordinator for navigational warnings.

5.3 Assistance in promulgating Notices to Mariners and other paper and electronic chart correcting material should also be encouraged through co-operation with other hydrographic offices in the region if required.

5.4 The current Admiralty weekly Notices to Mariners are supplemented by daily updates and are available on UKHO website.

## 6. C-55 (previously known as S-55) LATEST UPDATE

6.1 As described in the UK Generic National Report, the UKHO is committed to providing regular updates to the C-55 entries for UK Home Waters and its Overseas Territories, including British Indian Ocean Territory within the NIOHC area; this entry is up to date. We have incorporated the additional breakdown of chart coverage (percentage of metric and WGS84 charts) as requested in IHO Circular Letter 102/2008.

6.2 UK has also provided assistance to update C-55 entries to other countries, 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.

## 7. CAPACITY BUILDING

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

7.2 UK organised Advanced ENC Production courses for Bangladesh and Myanmar (both delivered by CARIS) and has worked closely with Oman to develop an ENC production and distribution capability.

7.3 UKHO has a post dedicated to capacity building. Its key aims are to ensure that capacity building is properly considered in UKHO activity and that UKHO's capacity building activities are fully coordinated. It acts as the initial point of contact for UKHO involvement in capacity building activities, including UK involvement in regional hydrographic commission initiatives and IHO Capacity Building Sub Committee activities. It will have a particular responsibility for UK Overseas Territories and liaison with UK's Foreign and Commonwealth Office and with overseas High Commissions to generate phased development of capability and new survey activity. Further information can be obtained from Mr Jeff Bryant ([jeff.bryant@ukho.gov.uk](mailto:jeff.bryant@ukho.gov.uk)).

### Cartographic Training provided by UKHO



7.4 A general description of training provided by 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.

### Regional Achievements

7.5 The UKHO has provided cartographic training to candidates from Bangladesh, Myanmar, Oman, Pakistan, Sri Lanka & Thailand under the Nippon Foundation CAT B programme; Seychelles under an IMO course and Bangladesh, Mauritius, Oman, Sri Lanka under IHO Nautical Cartography - Module 1 programme.

## ENC Training and Assistance



7.6 The UKHO strongly supports the successful uptake of ECDIS using ENC, and is happy to assist other nations to produce, maintain and distribute ENCs. Details of courses, sponsorship, venues and options for bespoke training provided by the UKHO are included in the UK Generic National Report.

### **Survey Training at Flag Officer Sea Training - Hydrography, Meteorology and Oceanography (FOST-HM)**

7.7 Nationally and internationally certified courses delivered by FOST-HM in Plymouth, are described in the UK Generic National Report.

## **8. OCEANOGRAPHIC ACTIVITIES**

This is described in the UK Generic National Report.

## **9. OTHER ACTIVITIES**

The IHO theme for the 2014 World Hydrography day was

*“Hydrography - much more than just nautical charts”*

9.1 The UKHO celebrated World Hydrography Day 2014 at a reception held at the Department for Environment, Food and Rural Affairs, London on 23rd October 2014, hosted by the Parliamentary Under Secretary of State for farming, food and marine environment Mr George Eustice and Mr Ian Moncrieff CBE (Chief Executive, UKHO) and Rear Admiral Tom Karsten (National Hydrographer, UKHO).



9.2 In 2014 our co-hosts were the UK Government Department for Environment, Food and Rural Affairs, the biggest users of hydrography in the UK for non-navigational purposes.

9.3 Our guests were invited from across the maritime sector to a networking event highlighting the value of hydrography to the UK Economy and the many applications of hydrographic survey.

9.4 The annual presentation of the Alexander Dalrymple award was made to the 2014 winner, Captain Peter Kortenoeven, Hydrographer of the Royal Netherlands Navy. The award is a symbol of recognition for outstanding dedication and contribution to hydrography and as such is an extremely prestigious award in this sector. It takes its name from Alexander Dalrymple who established the Hydrographic Office in 1795 and is regarded as a leading figure in the history of the development of hydrography.

## **10. CONCLUSION**

10.1 The UKHO continues its commitment to carrying forward hydrographic activities through the work of the IHO's Regional Hydrographic Commissions, and notes that each commission has its own particular opportunities and challenges.

10.2 UK has a strong commitment to the Northern Indian Ocean and Red Sea areas, through its primary charting and through its continuing interest in developing regional hydrographic self-sufficiency through capacity building measures.

10.3 There is a continuing challenge to link the scarce local data gathering resources into a broad programme of prioritised new charts and new editions.

10.5 The provision of adequate ENC coverage, in support of the IMO carriage requirement for ECDIS that comes progressively into force from 2012, presents a significant challenge globally; the NIOHC is progressing ENC coverage.

10.6 With a diverse range of shipping interests in the Region, improving the effective distribution of hydrographic publications and updates remains paramount.

Taunton, February 2015

## UKHO POINTS OF CONTACT

**UKHO Website:** [www.ukho.gov.uk](http://www.ukho.gov.uk)

The general UKHO address is:

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