



UNITED KINGDOM NATIONAL REPORT

to the

14TH NORTH INDIAN OCEAN HYDROGRAPHIC
COMMISSION (NIOHC) CONFERENCE

Bangkok, Thailand
26 - 28 February 2014

This report supplements the UK Generic National Report, posted on the UKHO website
(see www.ukho.gov.uk → About Us → Role & Purpose → UK National Report)
and describes UK's activities of direct relevance to the NIOHC region.

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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 → 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 other nations within this RHC region will be assessed within the 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 involvement in Regional Hydrographic Commission initiatives. Further information can be obtained by contacting the UKHO International Partnering team (InternationalPartnering@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
7	7164	Aden Harbour and Approaches	31-Oct-13
143	7005	Jazirat At Tair to Bab el Mandeb	04-Jul-13
157	7006	Masamirit to Bab el Mandeb	18-Apr-13
158	7008	Berenice to Masamirit	18-Apr-13
159	7010	Suez (As Suways) to Berenice (Barnis)	18-Apr-13
164	7124	North and North-East Approaches to Massawa (Mits'iwa)	29-Aug-13
264	7115	Approaches to Djibouti	11-Apr-13
328	7147	Madinat Yanbu as Sinaiyah, Mina al Malik Fahd	28-Nov-13
434	7166	Balhaf Terminal and Little Aden Oil Harbour	25-Jul-13
452	7117	Al Mukha to Bab al Mandeb	04-Jul-13
453	7116	Jazirat Jabal Zaqar to Muhabbaka Islands	25-Apr-13
460	7125	Massawa (Mits'iwa) and Approaches	29-Aug-13
542	7158	Madiq Kamaran to Al Hudaydah	13-Jun-13
548	7157	Approaches to Madiq Kamaran and Al Luhayyah	04-Jul-13
651	-	Mundra Port	06-Jun-13
652	-	Mundra Port West Basin	06-Jun-13
707	-	Mumbai (Bombay) to Muscat (Masqat)	11-Jul-13
833	7442	Yangon River (Rangoon River) and Approaches	01-Aug-13
1655	7387	Colombo and Approaches	20-Jun-13
1925	-	Jazirat Jabal Zuqar to Bab el Mandeb	04-Jul-13
1955	7160	Ports in the Yemen	25-Jul-13
2133	7139	Approaches to Suez Bay (Bahr al Qulzum)	01-Aug-13
3214	7140	Bur el Suweis (Port of Suez)	01-Aug-13

GB Chart Number	INT Chart	Title	Published
3264	-	Hanbantota and Approaches	19-Dec-13
3265	-	Weligama to Little Basses Reef	19-Dec-13
3465	7349	Hazira Port	06-Jun-13
3661	7162	Bab el Mandeb to Aden Harbour	31-Oct-13

Table 1

3.3 Charts scheduled for publication in the next six months.

- NE 813 Colombo to Sangama Kanda Point

3.4 Charts scheduled for publication in the next six months to twelve months.

- NE 1052 Approaches to Kismaayo

3.5 Two new Maritime Security Charts have been published within the NIOHC area bringing the total to four.

- Q6099 Red Sea, Gulf of Aden and Arabian Sea (ed. 3 Nov 2011)
- Q6111 Persian Gulf and Arabian Sea (ed. 1 Aug 2012)
- Q6112 Karachi to Hong Kong (ed. 1 May 2013) Figure 1
- Q6113 Andaman Islands to Torres Strait including Indonesia (ed. 1 May 2013) Figure 2

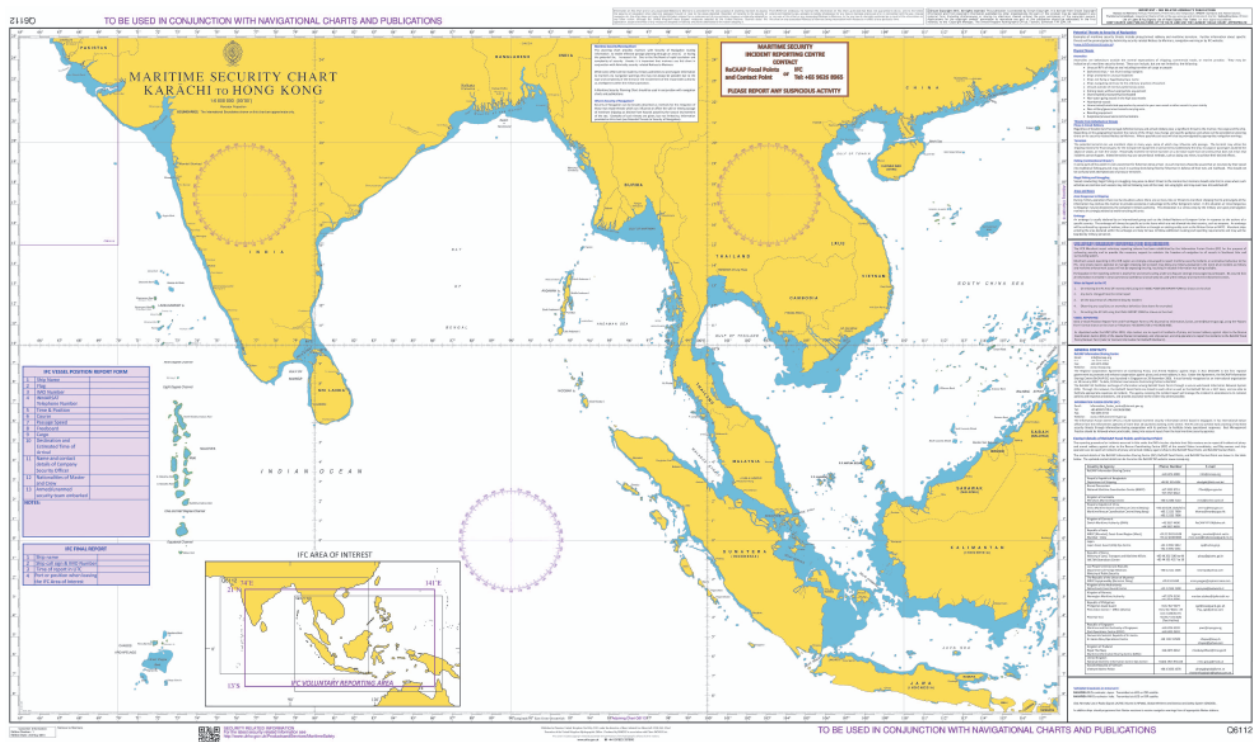


Figure 1 Q6112

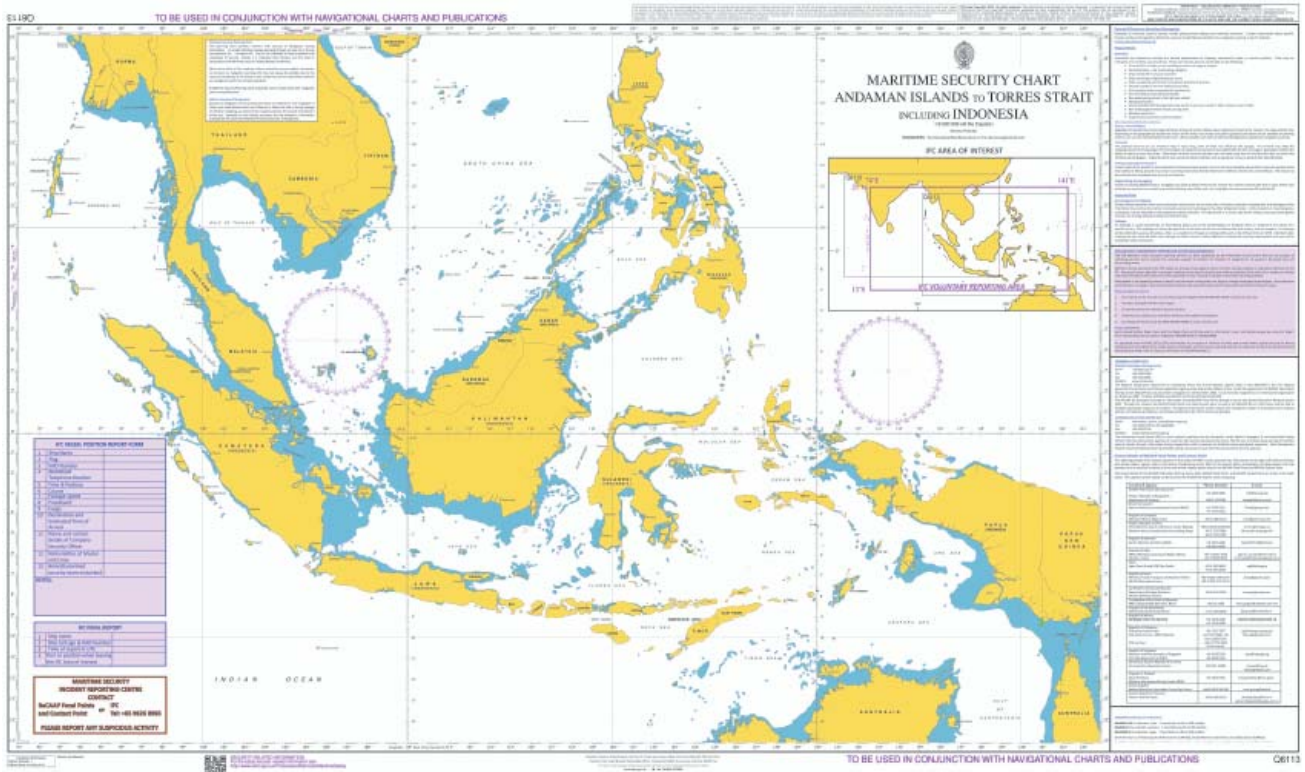


Figure 2 Q6113

Digital Charts



3.5 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.

3.6 Within the NIOHC region, the UKHO has released a total of 125 ENC cells; the breakdown by usage band is shown in the table 3.7:

- 3 cells were cancelled: GB400006, GB54070A and GB54082B.
- 3 new cells were added: GB502970, GB50434A and GB50434B

3.7 Table of Usage Band Breakdown for GB ENC's can be found in Table 2 below, limit of the ENC's are shown with figures 3-6.

NIOHC Region Released Cells	
ENC Usage Band	Number of GB ENCs
Overview	6
General	14
Coastal	32
Approach	42
Harbour	31
Total number of released ENCs	125

Table 2

North Indian Ocean Hydrographic Commission - GB Overview Usage Band Coverage

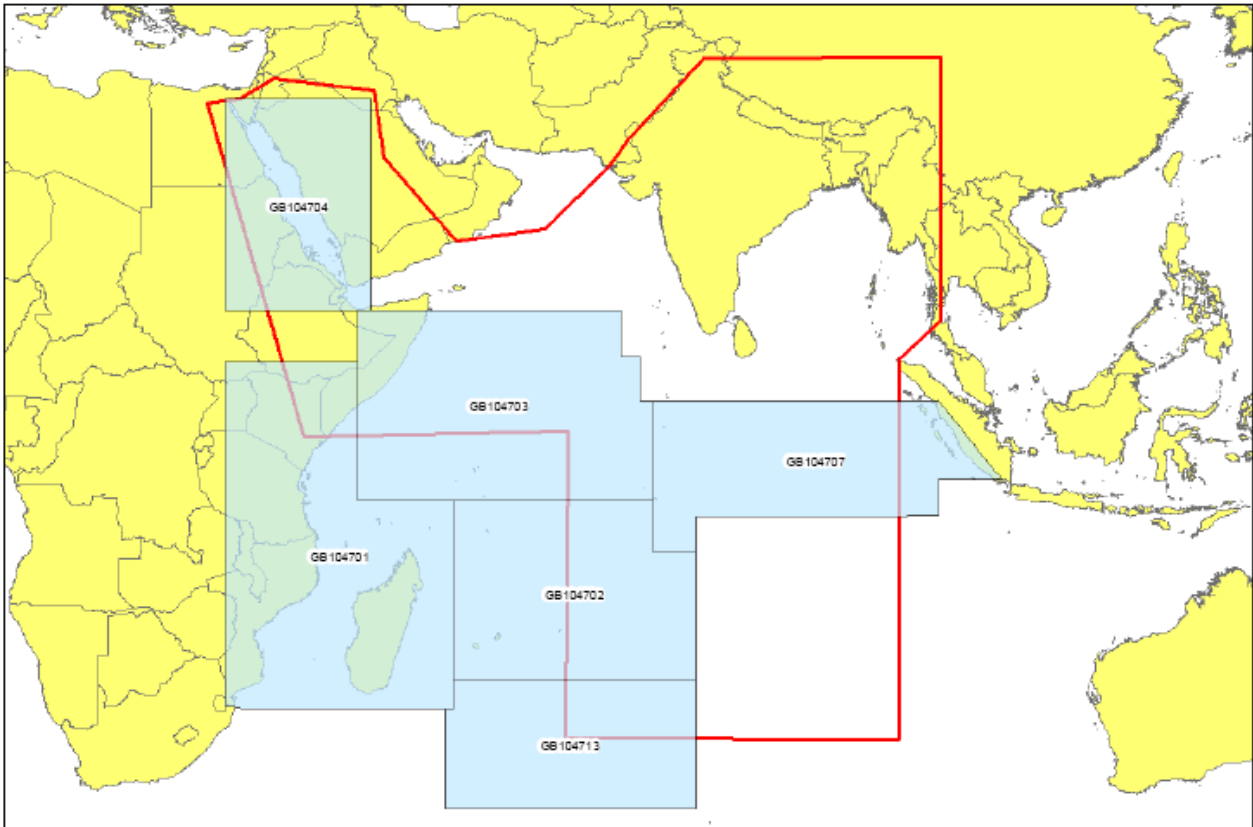


Figure 3

North Indian Ocean Hydrographic Commission - GB General Usage Band Coverage

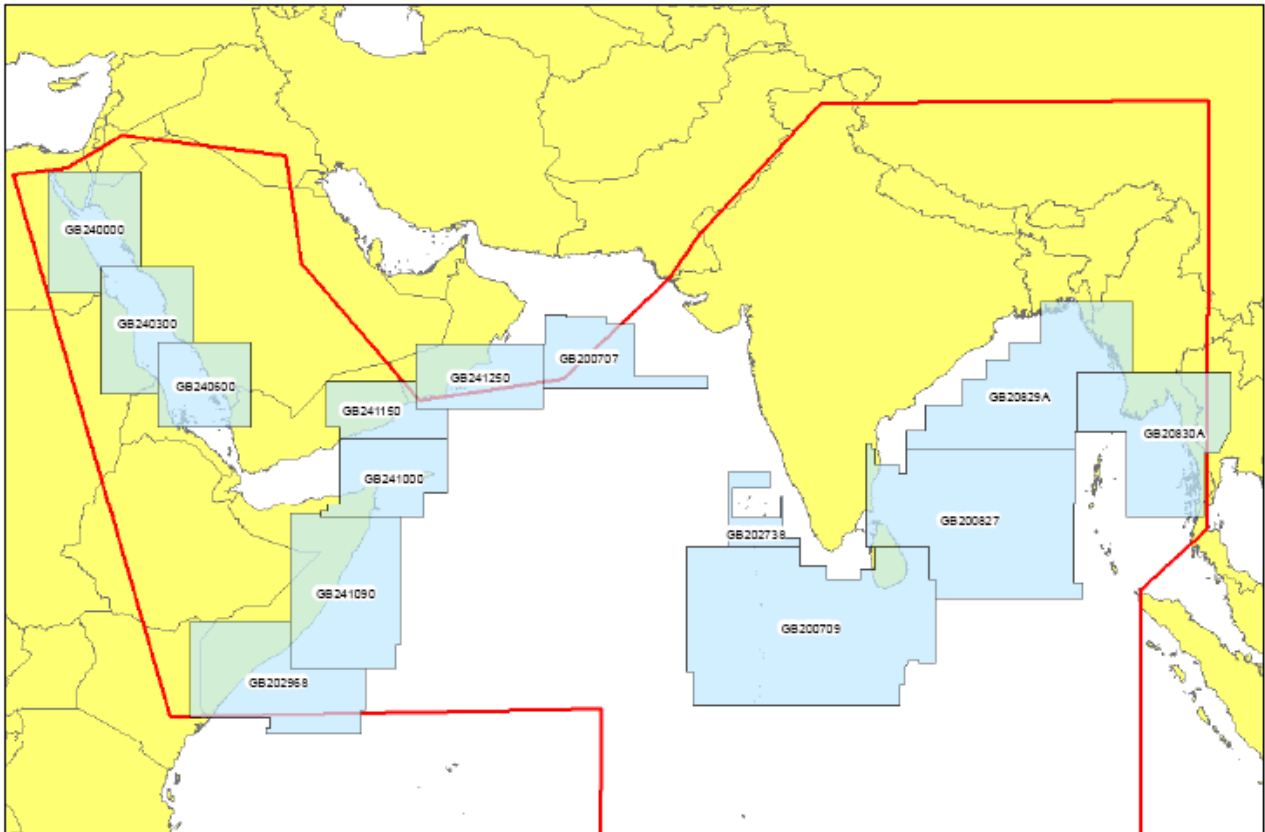


Figure 4

North Indian Ocean Hydrographic Commission - GB Coastal Usage Band Coverage

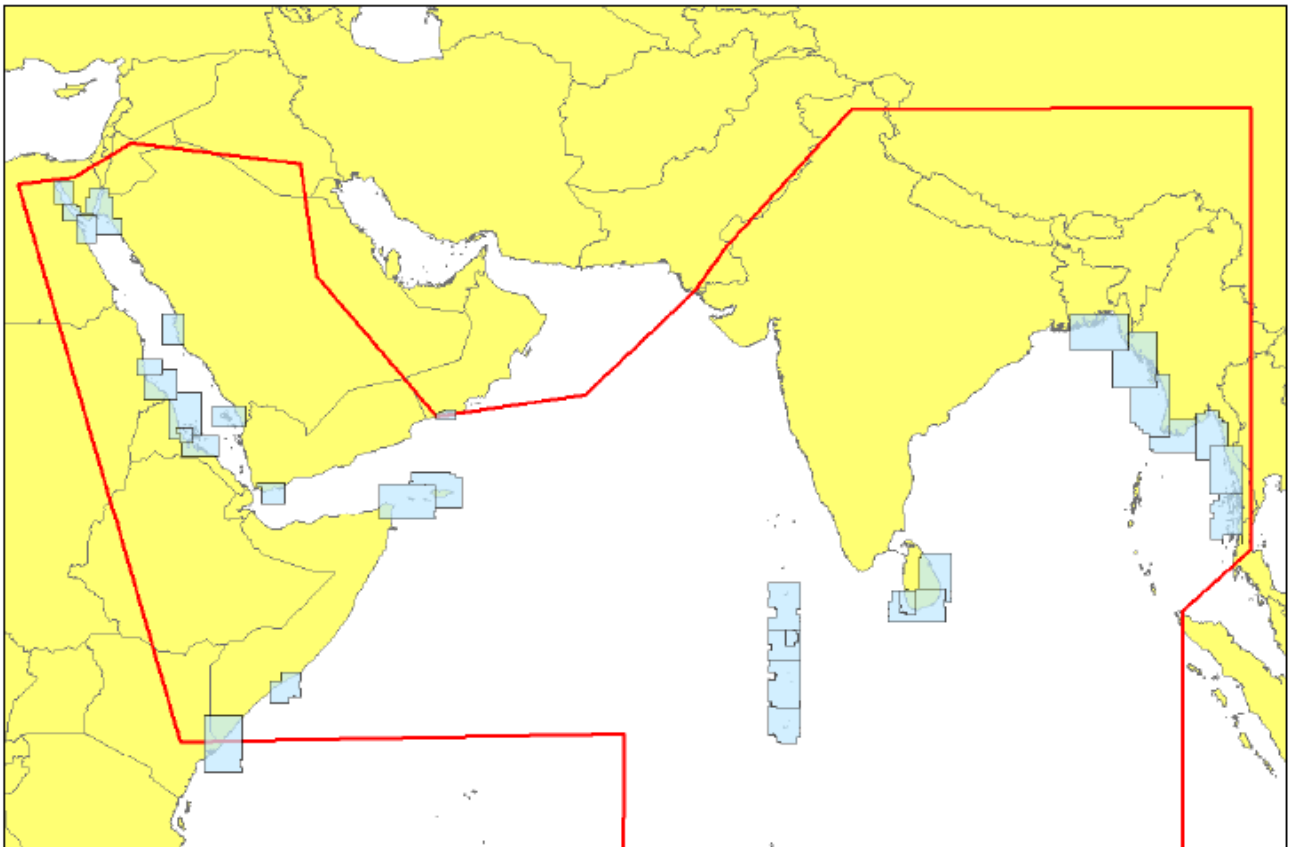


Figure 5

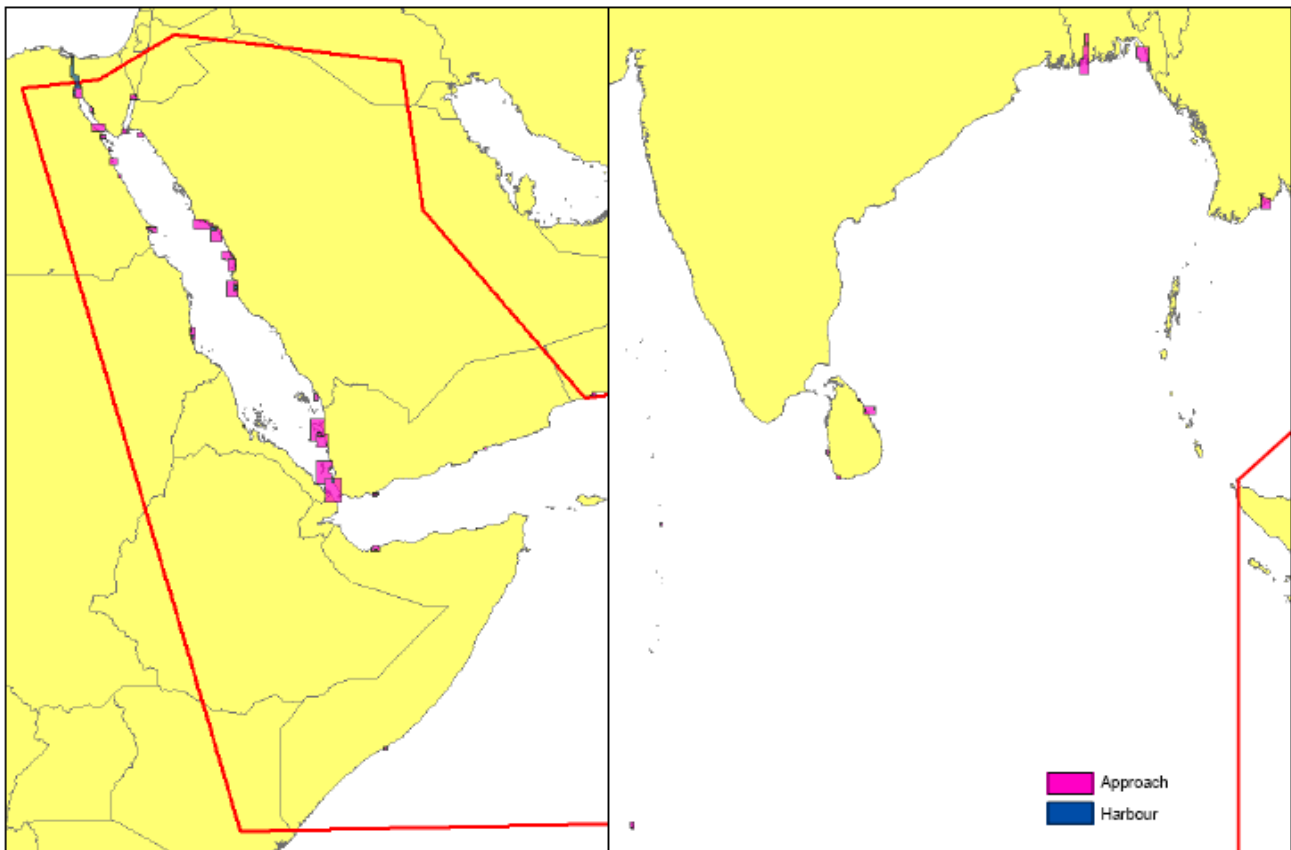


Figure 6

ENC Distribution

3.10 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).

4. PUBLICATIONS

Paper Publications



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

NP3	Africa Pilot Vol 3	May 13
NP21	Bay of Bengal Pilot	Jan 14
NP38	West Coast of India Pilot	Jul 13
NP64	Red Sea and Gulf of Aden Pilot	Oct 12

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 recently released 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 and are currently of:

Admiralty Sailing Directions (74 books)

NP100, The Mariners Handbook

NP314, The Nautical Almanac

Further e-NP versions of Admiralty Nautical Publications are planned.

4.4 The Admiralty digital catalogue may be downloaded free from the UKHO website (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 exclusive 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. For the latest update see C-55; 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 has organised a technical visit to Sri Lanka and a CARIS delivered Advanced Paper Chart Production training course for the same country. Both Sri Lanka and Thailand has benefitted from participation in the Japan Capacity Building Project (CAT B nautical cartography).

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).

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.

7.5 The UKHO has provided training to candidates from Bangladesh, Myanmar, Oman, Pakistan and Indonesia under the Nippon foundation; Seychelles under an IMO course; and Mauritius and Bangladesh under IHO Module 1.

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 2013 World Hydrography Day (WHD):

“Hydrography - underpinning the blue economy”

9.1 The UK WHD event was held at the National Oceanography Centre (NOC) in Southampton in conjunction with, Associated British Ports (ABP) Southampton and the Maritime and Coastguard Agency (MCA), reflecting the 2013 theme “Hydrography – Underpinning the Blue Economy”.



9.2 A networking event, which involved subject matter experts and exhibition material, followed presentations by senior representatives from all four institutions which led onto an open forum session. Guests were invited from across the maritime sector to highlight the value of hydrography to the UK Economy.

9.3 During the evening, the Alexander Dalrymple Award for outstanding contribution to hydrography was presented to William Heaps (Assistant marine Adviser & Hydrographic Manager, ABP). William received the award stating he felt it represented all the good work done in the commercial hydrographic sector. 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 UK 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 2013

UKHO POINTS OF CONTACT

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

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

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