



UNITED KINGDOM NATIONAL REPORT

to the

13TH NORTH INDIAN OCEAN HYDROGRAPHIC
COMMISSION (NIOHC) CONFERENCE

Yangon, Myanmar
19-22 February 2013

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
NE 6	-	Gulf of Aden	26/04/2012
NE 2964	758	Gulf of Aden and Approaches	26/04/2012
NE 2970	7002	Eastern Approaches to the Gulf of Aden	26/04/2012
NE 3784	7014	Ra's Al Kalb to Ra's Mirbat	26/04/2012
NE 682	7319	Gulf of Kachchh	07/06/2012
NE 3	7380	Chagos Archipelago	21/06/2012
NE 725	-	Plans in Chagos Archipelago	21/06/2012
NE 726	-	Chagos Archipelago, Egmont Islands to Three Brothers	21/06/2012
NE 727	-	Chagos Archipelago, Peros Banhos to Blenheim Reef including Nelson's Island	21/06/2012
NE 920	7381	Chagos Archipelago, Diego Garcia	21/06/2012
NE 84	7428	Approaches to Chittagong	09/08/2012
NE 333	7135	Offshore installations in the Gulf of Suez, including Ras Shukheir	24/01/2013
NE 2373	7136	Suez Bay to Ras Sheratib	24/01/2013
NE 2374	7134	Ras Sheratib to Juzur Ashrafi	24/01/2013
NE 2375	7132	Juzur Ashrafi to Safaga and Strait of Tiran	24/01/2013
NE 2658	7149	Outer Approaches to Mina Al Jeddah	24/01/2013
NE 2659	7148	Shi'b Nazar to Qita' Kidan	24/01/2013
NE 2970	7002	Eastern Approaches to the Gulf of Aden	14/02/2013
NE 5	-	Abd Al Kuri to Suqutra	21/02/2013

3.3 Charts scheduled for publication in the next six months.

- NE 7 Aden Harbour and Approaches
- NE 143 Jazirat At Ta'ir to Bab el Mandeb
- NE 157 Masamirit to Bab el Mandeb
- NE 158 Berenice to Masamirit
- NE 159 Suez to Berenice
- NE 164 North and North-east Approaches to Massawa
- NE 328 Madinat Yanbu As Sinaiyah, Mina Al Malik Fahd
- NE 452 Al Mukha to Bab el Mandeb
- NE 453 Jabal Zuqar Island to Muhabbaka Islands
- NE 460 Massawa and Approaches
- NE 542 Madiq Kamaran to Al Hudaydah
- NE 548 Approaches to Madiq Kamaran and Al Luhayyah
- NE 1925 Jabal Zuqar Island to Bab el Mandeb
- NE 1955 Ports in the Yemen

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

- NE 671 Outer Approaches to Muqdisho and Marka Anchorage
- NE 1052 Approaches to Kismaayo

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.

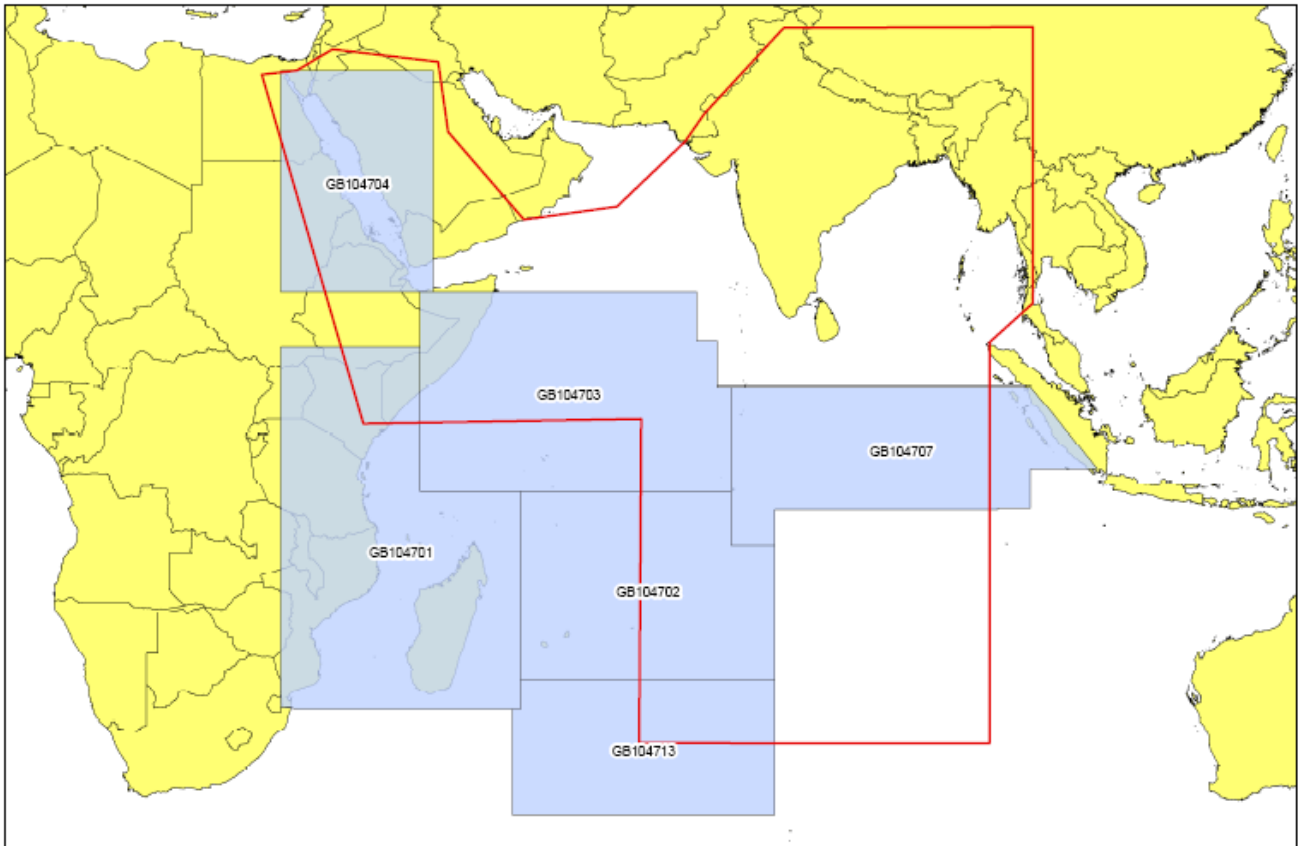
3.6 Within the NIOHC region, UK has released a total of 125 ENC cells, 1 new cell (GB400063) has been added and 1 cell (GB32917A) has been cancelled since the last NIOHC meeting.

3.7 Coverage currently comprises 30 Harbour, 43 Approach, 32 Coastal, 14 General and 6 Overview cells. See diagrams in 3.9

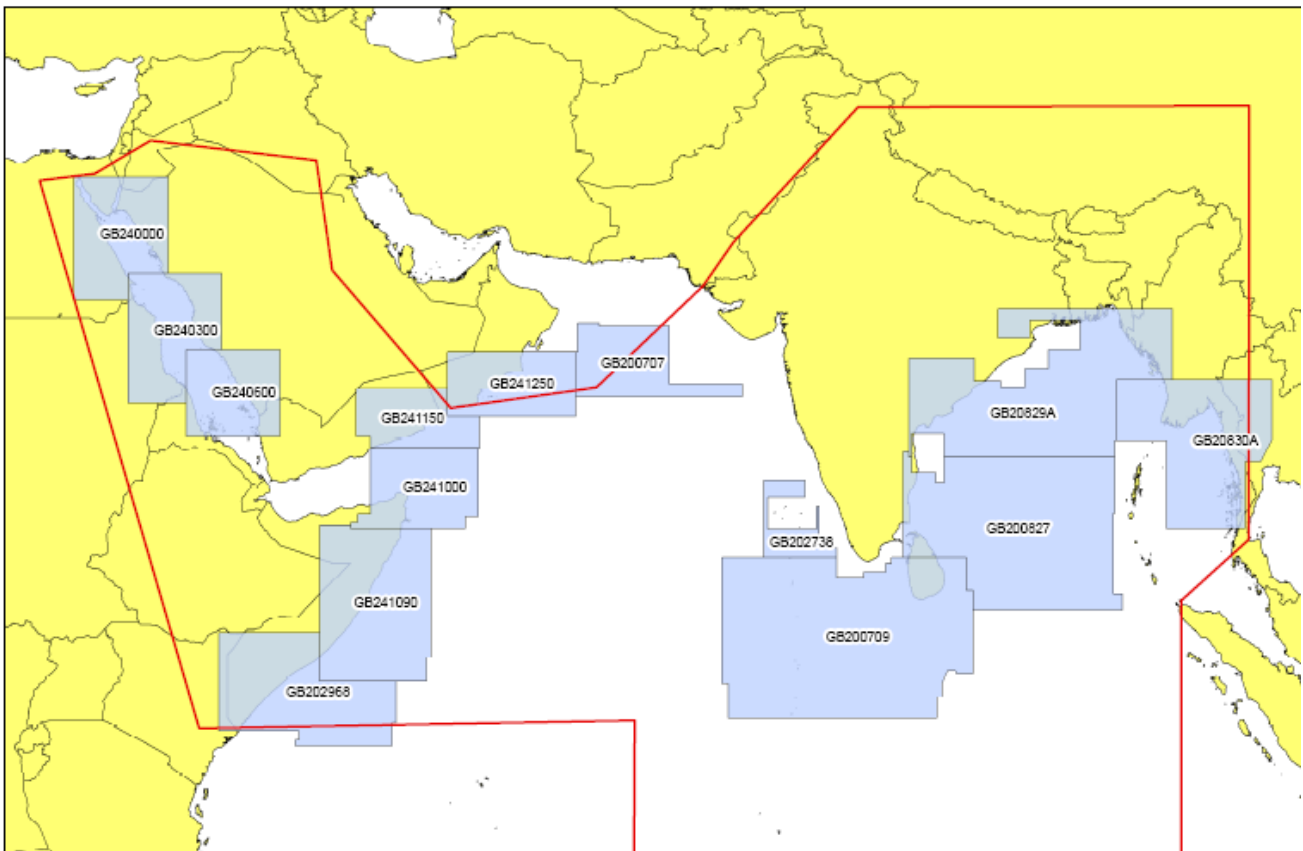
3.8 Overlapping ENC data issues between GB and IN data have now been resolved in the Indian Ocean.

3.9 GB Coverage Diagrams

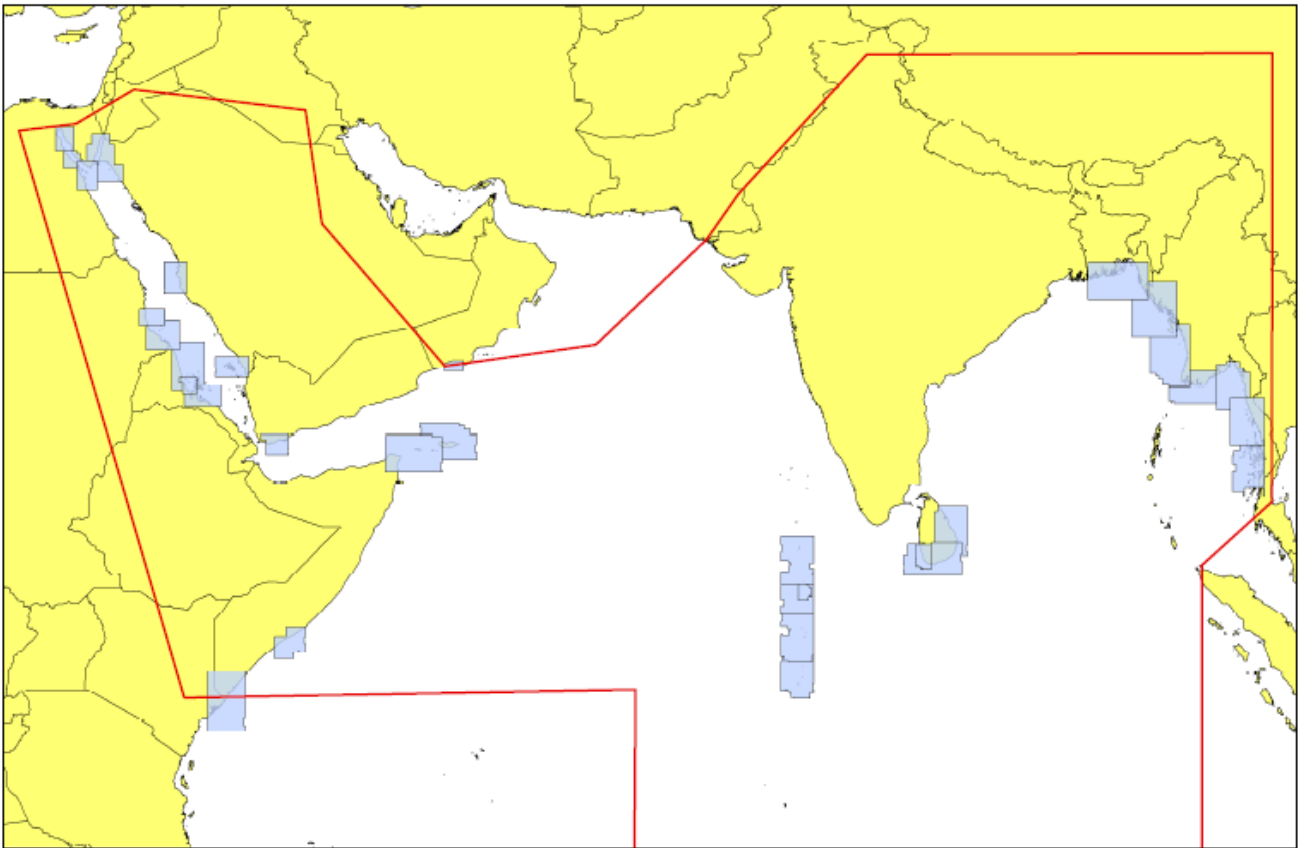
North Indian Ocean Hydrographic Commission - GB Overview Usage Band Coverage



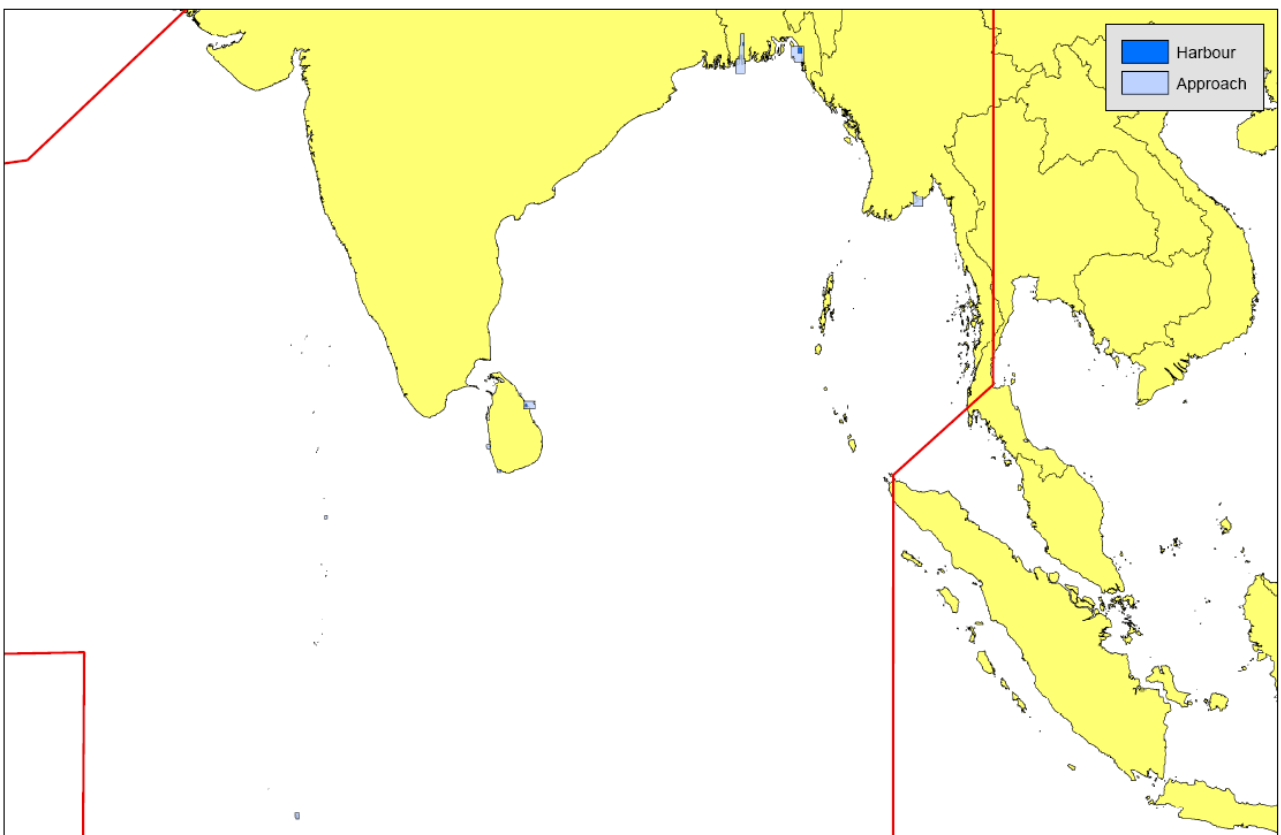
North Indian Ocean Hydrographic Commission - GB General Usage Band Coverage



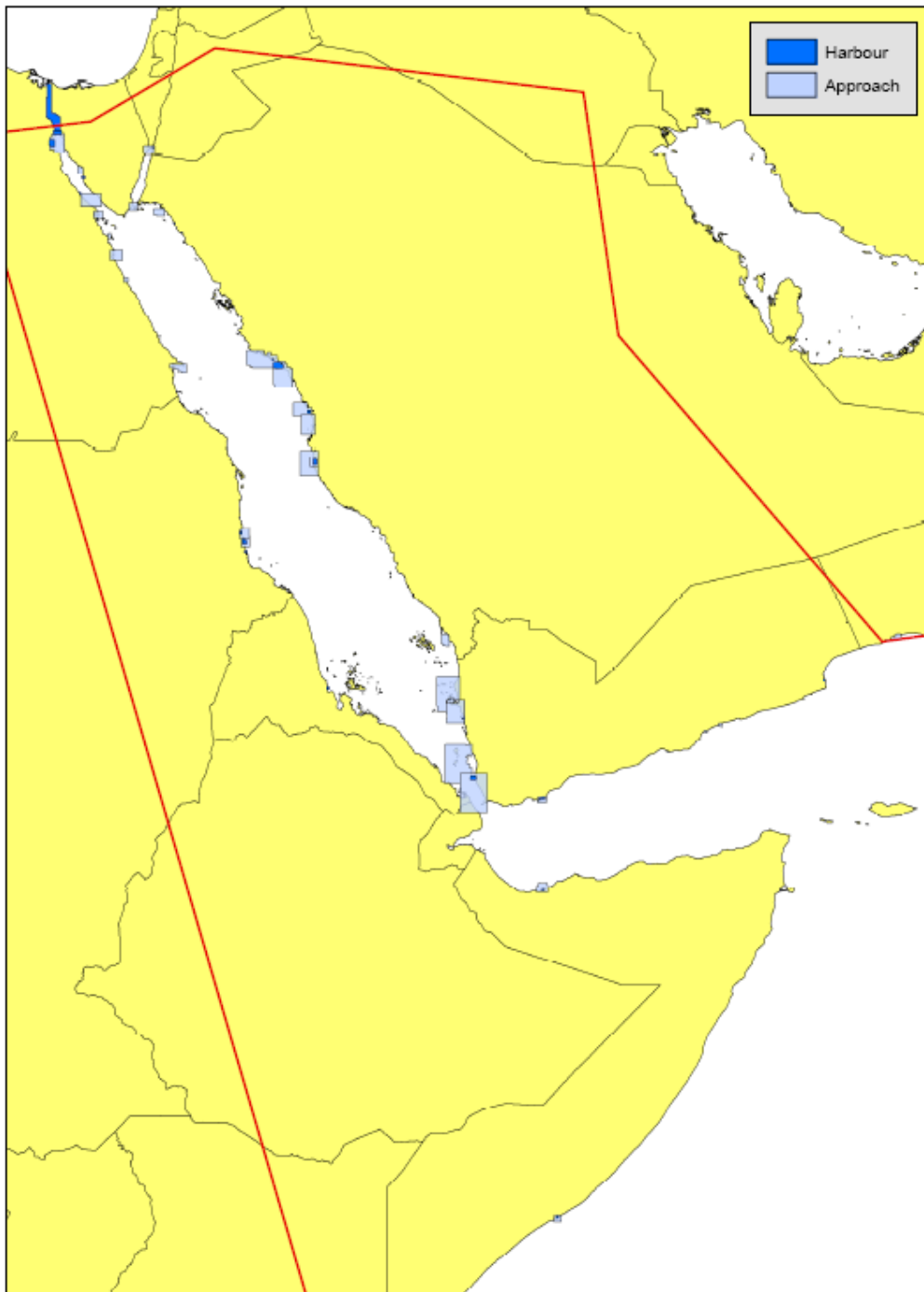
North Indian Ocean Hydrographic Commission - GB Coastal Usage Band Coverage



North Indian Ocean Hydrographic Commission - GB Approach and Harbour Usage Band Coverage



North Indian Ocean Hydrographic Commission - GB Approach and Harbour Usage Band Coverage



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:

New Editions Published since last NIOHC meeting:

NP64 Red Sea and Gulf of Aden Pilot Oct 12

New Editions to be published:

NP3 Africa Pilot Vol 3 May 13

NP38 West Coast of India Pilot Jul 13

NP21 Bay of Bengal Pilot Jan 14

4.2 The UKHO has recently published 2 new paper publications to assist the mariner with ENC's:

NP 5012 Admiralty Guide to ENC Symbols Used in ECDIS

- Comprehensive guide to ENC symbols used in ECDIS
- Based on the familiar layout of NP5011 Symbols and Abbreviations Used on Admiralty Charts

NP 231 Admiralty Guide to the Practical Use of ENC's

- Comprehensive reference document to give users a high level of understanding about the practical use of ENC's
- Includes information on ENC data, quality, accuracy and how this influences the display on ECDIS when combined with ECDIS display settings

Digital Publications



4.3 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.

4.4 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.

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 participated in numerous technical visits and workshops in the NIOHC region.

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

UK Celebrations for World Hydrography Day

9.1 The IHO theme for the 2012 World Hydrography day was "International Hydrographic Cooperation - supporting safe navigation"

9.2 The UKHO celebrated World Hydrography Day 2012 at a reception held Trinity House in London on 2nd October 2012, hosted by Mr Ian Moncreiff CBE (Chief Executive, UKHO) and Rear Admiral Nick Lambert (National Hydrographer, UKHO).



9.3 Dr Hideo Nishida, of the Japan Hydrographic Association, was presented with the Alexander Dalrymple Award at the World Hydrography Day ceremony in London on October 2. The award is a symbol of recognition for outstanding dedication and contribution to world 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.

9.4 Building on the theme of this year's World Hydrography Day Celebrations, and in order to recognise the importance and significance of the contribution of Hydrographic Staff to the success and recognition of Hydrography, the UKHO hosted a celebration in recognition of its staff's contribution to the success of World Hydrography on Friday, 22nd June 2012.

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 chart compilations 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, January 2013

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