



UNITED KINGDOM NATIONAL REPORT

To the

**12TH NORTH INDIAN OCEAN HYDROGRAPHIC
COMMISSION (NIOHC) CONFERENCE**

**Colombo, Sri Lanka
19-23rd March 2012**

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 from Mr. Bob Wilson (Robert.Wilson@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 2624	7337	India, Port of Mumbai (Bombay)	17-Mar-11
NE 4073	73	Indian Ocean, Eastern Part	07-Apr-11
NE 12	7142	Red Sea, Al 'Aqabah to Duba and Ports on the Coast of Saudi Arabia	14-Apr-11
NC 318	7405	India, Ramaypatnam to Sacramento Shoal	14-Apr-11
NC 320	7413	India, Kalingapatnam to Gopalpur	14-Apr-11
NE 538	7418	India, Paradip & Approaches	14-Apr-11
NE 16	7155	Red Sea, Saudi Arabia, Jizan	19-May-11
NC 234	-	India, Gangavaram Port	19-May-11
NE 1926	7119	Red Sea, Eritrea, Aseb Bay	19-May-11
NE 4070	70	Indian Ocean, Southern Part	09-Jun-11
NC 84	7428	Bangladesh, Approaches to Chittagong	14-Jul-11
NE 4705	705	Indian Ocean, Arabian Sea	14-Jul-11
NC 90	-	Bay of Bengal, Bangladesh, Malancha Riverto Saint Martin's Island	25-Aug-11
NE 3492	7129	Red Sea, Sudan, Approaches to Port Sudan	25-Aug-11
NC 263	7120	Gulf of Aden, Port of Djibouti	01-Sep-11
NE 2577	7151	Red Sea, Saudi Arabia, Jeddah (Mina al Jiddah)	15-Sep-11
NE 4703	703	Indian Ocean, Gulf of Aden to The Maldives and The Seychelles Group	22-Sep-11
NE 4706	706	Indian Ocean, Bay of Bengal	22-Sep-11
NE 2599	7150	Red Sea, Saudi Arabia, Approaches to Jeddah (Mina al Jiddah)	29-Sep-11
NC 317	7400	India, East Coast, Chennai to Ramayapatnam	06-Oct-11
NE 328	7147	Red Sea, Saudi Arabia, Madinat Yanbu` as Sina`iyah Mina' al Malik Fahd	06-Oct-11
NC 243	7410	India, East Coast, Approaches to Vishakhapatnam	10-Nov-11

GB Chart Number	INT Chart	Title	Published
NC 244	7411	India, East Coast, Vishakhapatnam Harbour	10-Nov-11
NC 3467	7351	India, West Coast, Ports of New Mangalore and Mangalore	10-Nov-11
NC 3468	7350	India, West Coast, Approaches of New Mangalore	10-Nov-11
NE Q6099		Anti-Piracy Planning Chart, Red Sea, Gulf of Aden and Arabian Sea	10-Nov-11
NE 82	7128	Red Sea, Sudan, Outer Approaches to Port Sudan	17-Nov-11
NE 3943		Malacca Strait, Thailand and Malaysia, Ko Tatutao to Pulau Pinang	24-Nov-11
NC 2622	7336	India, West Coast, Inner Approaches to Mumbai (Bombay)	08-Dec-11
NC 732	7426	Bangladesh, Bay of Bengal, Pussur River and Approaches	15-Dec-11
NC 61	7359	India, West Coast, Kochi Harbour	22-Dec-11
NE 233	7141	Egypt, Suez Canal Qanat as Suways	22-Dec-11
NC 63	7153	Saudi Arabia, Red Sea, Approaches to King Abdullah Port	02-Feb-12
NE 4704	704	Red Sea	09-Feb-12

3.3 Charts scheduled for publication in the next six months include:

- NE 6 Gulf of Aden
- NE 2964 (INT 758) Gulf of Aden and Approaches
- NE 2970 (INT 7002) Eastern Approaches to the Gulf of Aden
- NE 3784 (INT 7014) Arabia, South East Coast, Ra's al Kalb to Ra's Marbat
- NE 3 Indian Ocean, British Indian Ocean Territory, Chagos Archipelago
- NE 725 Indian Ocean, British Indian Ocean Territory, Plans in Chagos Archipelago
- NE 726 Indian Ocean, British Indian Ocean Territory, Chagos Archipelago, Ergmont Islands to Three Brothers
- NE 727 Indian Ocean, British Indian Ocean Territory, Chagos Archipelago, Peros Banhos to Blenheim Reef including Nelson's Island
- NE 920 Indian Ocean, British Indian Ocean Territory, Chagos Archipelago, Diego Garcia

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

- NE 5 Arabian Sea, 'Abd al Kuri to Suqutra (Socotra)
- NE 100 Africa, East Coast, Raas Casey to Suqutra
- NE 2658 Red Sea, Saudi Arabia, Outer Approaches to Mina` al Jeddah (Jiddah)

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.

ENCs

3.6 Within the NIOHC region, UK has released a total of 125 ENC cells, 5 new cells have been added since the last NIOHC meeting. Coverage currently comprises 30 Harbour, 42 Approach, 33 Coastal, 14 General and 6 Overview cells. See diagrams in 3.8

3.7 Details of the changes since the last NIOHC meeting:

Coastal:

GB300090 issued

Approaches:

GB403493 Issued

GB400732 issued

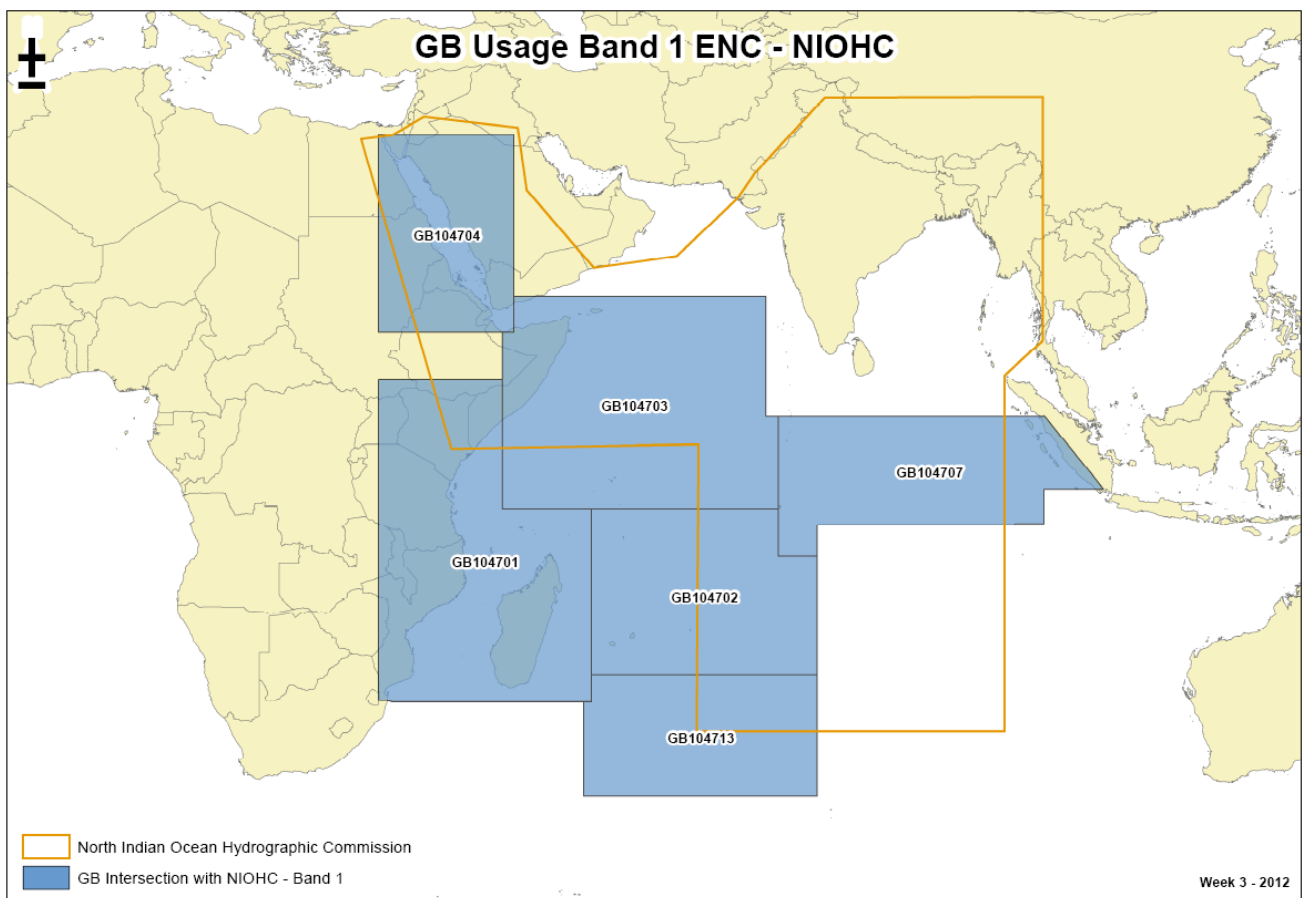
GB400063 Approaches to King Abdullah Port Saudi is expected to be released in March 2012

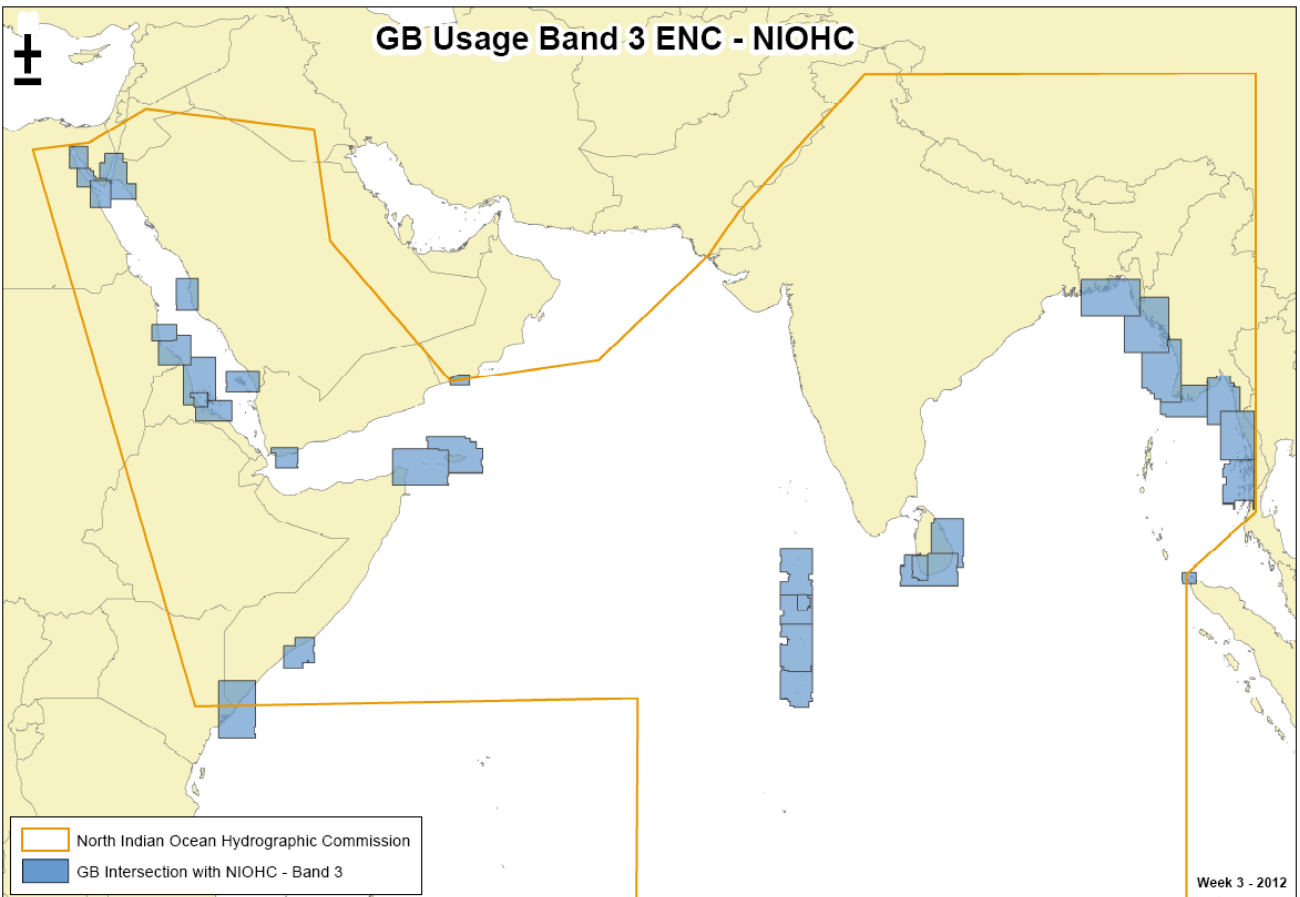
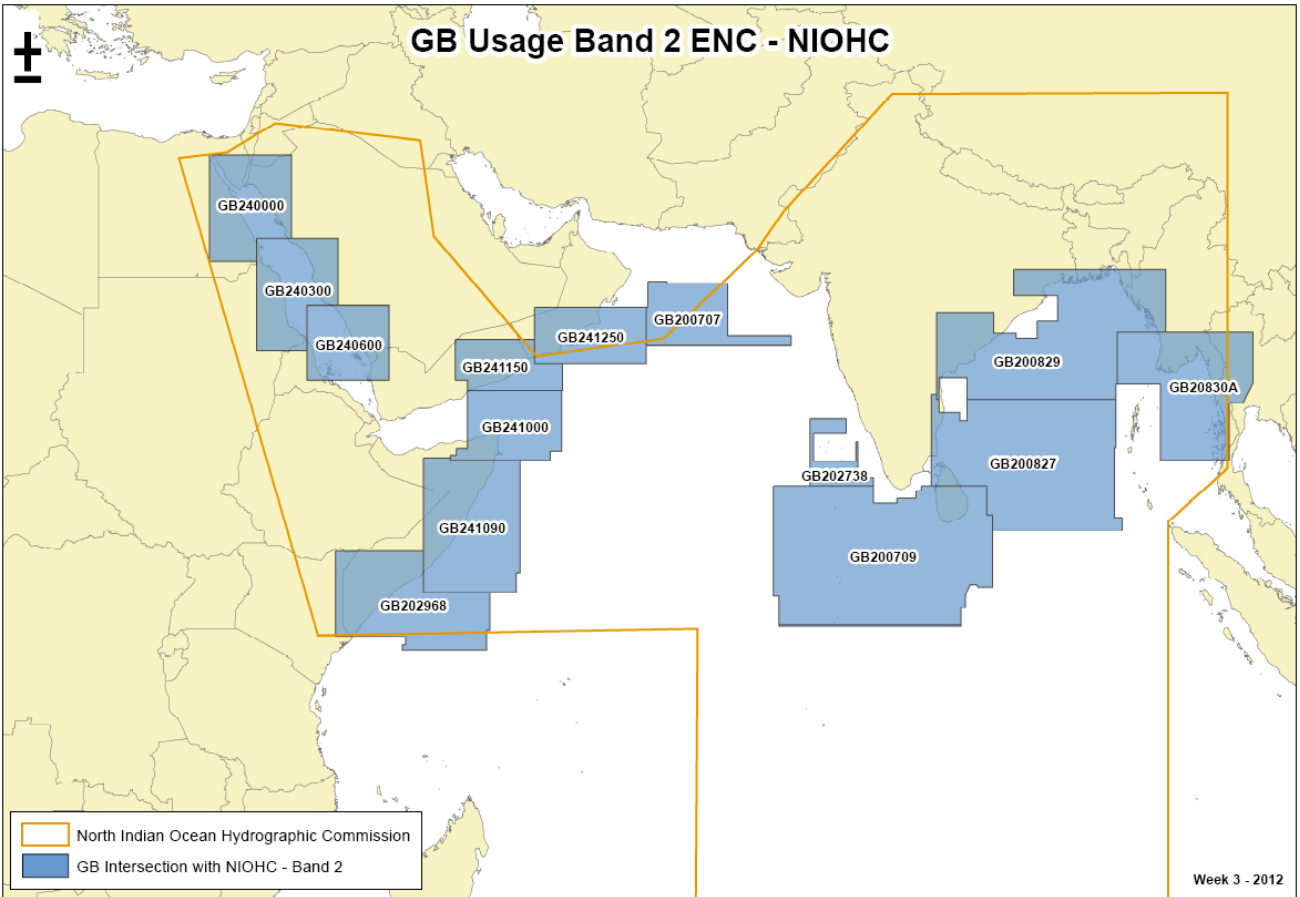
Harbours:

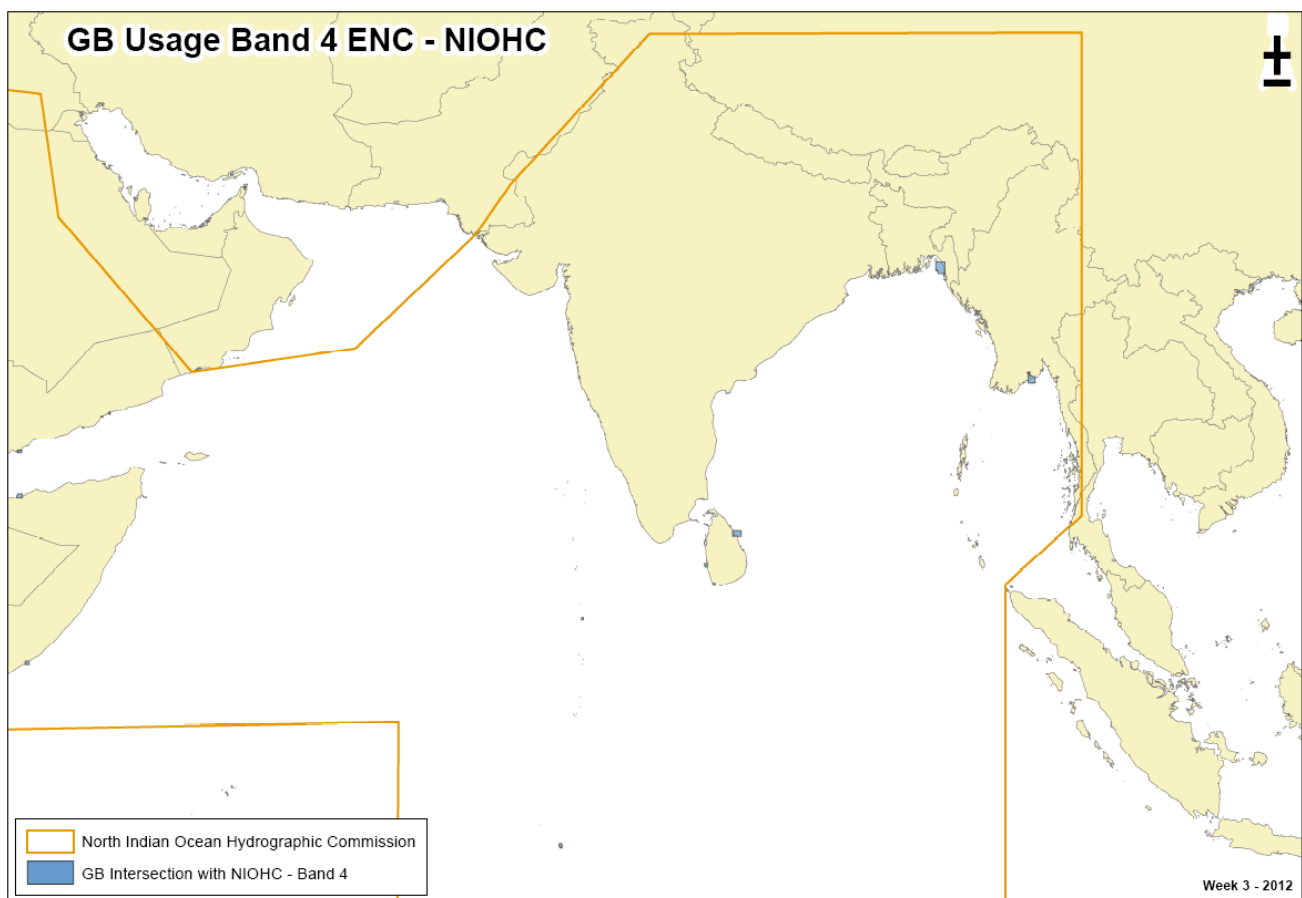
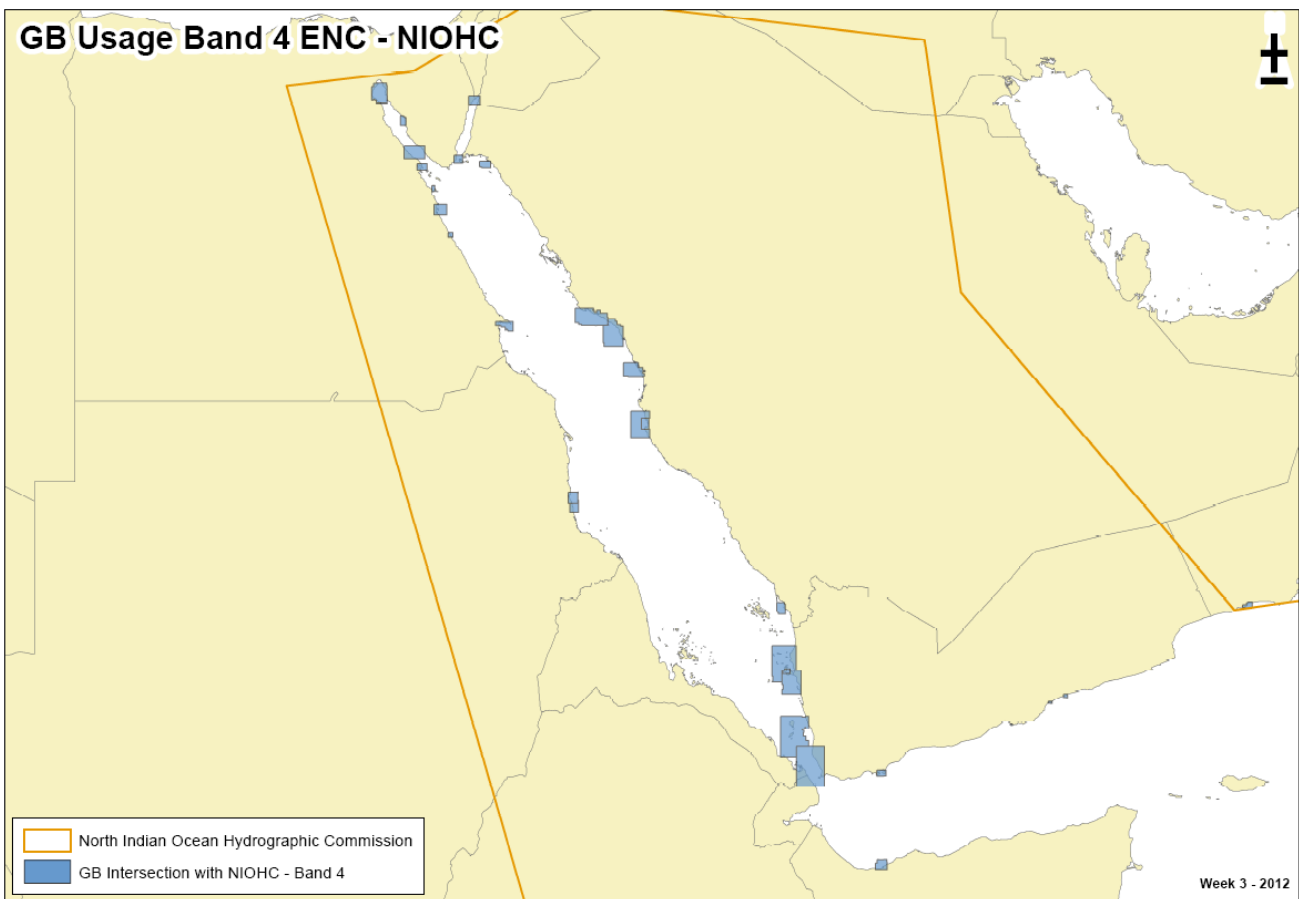
GB500732 Issued

GB53493A Issued

3.8 GB Coverage of ENC Cells







ENC Distribution

3.9 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:

NP63	Persian Gulf Pilot	Feb 11
NP39	South Indian Ocean Pilot	Sep 11

New Editions to be published:

NP64	Red Sea and Gulf of Aden Pilot	Sep 12
NP3	Africa Pilot Vol 3	Apr 13
NP38	West Coast of India Pilot	Jun 13
NP21	Bay of Bengal Pilot	Aug 13

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 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 exclusively military facility. Therefore any MSI broadcast from there 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.

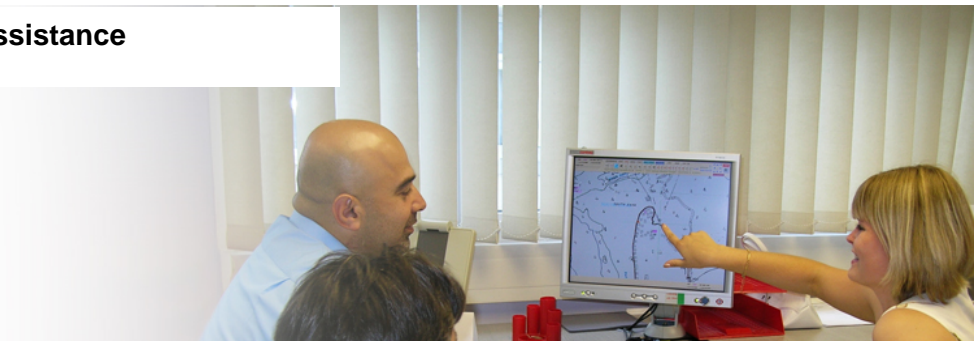
7.3 UKHO has a post dedicated to capacity building. Its key aims are to ensure that capacity building is properly considered in UKHO activity and that UKHO's capacity building activities are fully coordinated. It acts as the initial point of contact for UKHO involvement in capacity building activities, 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, 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 2011 World Hydrography day was "Human resources – The important element to the success of Hydrography".

9.2 The UKHO celebrated World Hydrography Day 2011 at a reception held on board HMS PRESIDENT in London on June 22, hosted by Mr Mike Robinson (Chief Executive, UKHO) and Rear Admiral Nick Lambert (National Hydrographer, UKHO).



9.3 The annual presentation of the Alexander Dalrymple award was made at the reception and this year presented to US National Geospatial Intelligence Agency Hydrographer, Rear Admiral Chris Andreasen, for his outstanding contribution to Hydrography. 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 staffs' contribution to the success of World Hydrography on Friday, September 16.

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 Records relating to port and shipping statistics, and to port audits, are the prerogative of the local authorities, as the compilation of such figures from local sources has not been part of UKHO activities.

10.4 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.

10.7 "Three things that keep us awake at night"

1. Quality and availability of source data
2. ENC consistency between producers
3. IHO role in assisting in resolving ENC display issues (Hydrographic Communities role and contribution in the ENC value chain)

Taunton, February 2012

UKHO POINTS OF CONTACT

UKHO Website: www.ukho.gov.uk

The general UKHO address is:

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

E-mail: internationalrelations.ukho@ukho.gov.uk
Telephone: +44 (0)1823 337900
Fax: +44 (0)1823 284077



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

Dr Rob Hensley,
Head of External Relations,

Telephone: +44 (0)1823 337900 ext 3119
E-mail: Rob.Hensley@ukho.gov.uk

or
Mr Nigel Sutton,
International Relations Manager

Telephone: +44 (0)1823 337900 ext 4123
E-mail: Nigel.Sutton@ukho.gov.uk

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

Mr Tim Sewell,
Head of International Partnering (Far East and Australasia),

Telephone +65 (6424) 4219
E-mail Tim.Sewell@ukho.gov.uk

Mr Jeff Bryant,
International Capacity Building Manager

Telephone: +44 (0)1823 337900 ext 3821
E-mail: Jeff.Bryant@ukho.gov.uk

For all matters related to charting and hydrographic data in the NIOHC region, please contact:

Most of NIOHC region:
Mr Chris Brice,
Geographic Manager Regional Team 4,

Telephone: +44 (0)1823 337900 ext 4131
E-mail: Chris.Brice@ukho.gov.uk

Mauritius and Seychelles:
Ms Cathy Tunks,
Geographic Manager Regional Team 3,

Telephone: +44 (0)1823 227900 ext 4133
E-mail: Cathy.Tunks@ukho.gov.uk

For matters related to Sailing Directions, please contact:

NP 38 (W coast of India), NP 39 (S Indian Ocean), NP 63 (Persian Gulf), NP64 (Red Sea):
Capt Hemant Vora,

Telephone: +44 (0)1823 337900 ext 4232
E-mail: Hemant.Vora@ukho.gov.uk

NP 21 (Bay of Bengal):

Mr Alain Bernard,

Telephone: +44 (0)1823 337900 ext 5021
E-mail: Alain.Bernard@ukho.gov.uk

NP 3 (Africa Pilot Volume III):

Mr Richard Ley,

Telephone: +44 (0)1823 337900 ext 4208
E-mail: Richard.Ley@ukho.gov.uk