



UNITED KINGDOM NATIONAL REPORT

To the

**5TH ROPME SEA AREA HYDROGRAPHIC
COMMISSION (RSAHC) CONFERENCE**

**Riyadh, Kingdom of Saudi Arabia
4-6 March 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 RSAHC 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, the Maritime Coastguard Agency (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 RSAHC 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 Ministry of Defence (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 RSAHC region.

Paper Charts



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

GB Chart Number	INT Chart	Title	Published
NC 3752	-	UAE - Khalifa Port and Approaches	21/04/2011
NE 3713	7223	UAE - Approaches to Abu Dhabi	21/04/2011
NE 3715	7224	UAE - Abu Dhabi, Sas an Nakhl and Musaffah	21/04/2011
NE 1224	-	Saudi Arabia - Approaches to Ras Al Khafji	26/05/2011
NE 3777	7266	Saudi Arabia and Bahrain - Approaches to Ad Dammam, Ras Tannurah and Ras Juaymah	26/05/2011
NE 3787	7245	Qatar - Approaches to Mesaieed and Doha	26/05/2011
NE 3788	7265	Saudi Arabia and Bahrain - Fasht Al Jarim to Ra's Abu Ali	26/05/2011
NE 3785	-	Oman - Port Salalah to Masirah	02/06/2011
NE 2523	7250	Iran and Qatar - Cable Bank to Ras Rakan	23/06/2011
NE 2883	7260	Iran and Saudi Arabia - Jazireh-ye Lavan to Kelat and Ras Tannurah	30/06/2011
NE 3178	7226	UAE - Approaches to Mubarraz Terminal including Zaqqum TSS	07/07/2011
NE 3781	7248	Qatar - Ra's Laffan Port	07/07/2011
NE 4705	705	Indian Ocean - Arabian Sea	14/07/2011
NE 3780	7230	UAE - Approaches to Jabal Az Zannah and Ar Ru'ays	21/07/2011
NC 3709	-	UAE - Port of Fujairah and Offshore Terminals	28/07/2011
NC 3723	-	UAE - Approaches to Khawr Fakkan and Fujairah	28/07/2011
NE 2889	7211	UAE, Iran and Qatar - Dubai to Jabal Az Zannah and Jazirat Das	28/07/2011
NE 1265	7291	Iraq and Iran - Khawr Al Amaya and Khawr Al Kafka	07/08/2011
NE 3179	7229	UAE and Qatar - Jazirat Das to Ar Ru'ays	11/08/2011
NE 2443	7238	UAE and Iran - Sir Abu Nu'ayr to Zirku	25/08/2011
NE 3599	-	Iran - Bandar-e Shahid Bahonar and Bandar-e Shahid Raja'I with Approaches	13/10/2011

NE 3775	-	Saudi Arabia and Iran - Ras Abu Ali to Ras As Saffaniyah	20/10/2011
NE 2851	-	Arabian Sea and Gulf of Oman - Masirah to the Strait of Hormuz	27/10/2011
NC 3772	7249	Qatar - Approaches to Ras Laffan	24/11/2011
NE 3950	7244	Qatar and UAE - Mesaieed to Ras Laffan	24/11/2011
NE 2882	7264	Iran, Kuwait and Saudi Arabia - Ras Tannurah to Jazirat Faylakah and Jazireh-ye Khark	26/07/2012
NE 3773	-	Kuwait and Saudi Arabia - Ras Al Khafji to Jazirat Bubiyan	26/07/2012
NE 3774	7275	Saudi Arabia and Kuwait - Ras Tanaqib to Jazirat Umm Al Maradim	26/07/2012
NE 3788	7265	Saudi Arabia and Bahrain - Fasht Al Jarim to Ra's Abu Ali	26/07/2012
NE 3790	7252	Qatar, Bahrain and Saudi Arabia - Ras Rakan to Ras Tannurah	26/07/2012
NE 3599	-	Iran - Bandar-e Shahid Bahonar and Bandar-e Shahid Raja'I with Approaches	30/08/2012
NE 3734	7261	Bahrain - Khalifa Bin Salman Port and Approaches	06/09/2012
NE 3735	7259	Bahrain - Mina Al Manamah and Approaches	06/09/2012
NE 3736	7258	Bahrain - Mina Salman and Approaches	06/09/2012
NE 3737	7255	Bahrain - Approaches to Bahrain	06/09/2012
NE 3738	7254	Bahrain - Outer Approaches to Bahrain	06/09/2012
NE 1235	7289	Iran, Iraq and Kuwait - Khawr Abd Allah and Approaches to Shatt Al Arab or Arvand Rud	12/09/2012
NE 1265	7291	Iraq and Iran - Khawr Al Amaya and Khawr Al Kafka	12/09/2012
NE 3777	7266	Saudi Arabia and Bahrain - Approaches to Ad Dammam, Ras Tannurah and Ras Juaymah	12/09/2012
NE 3812	7268	Saudi Arabia - Ad Dammam and Ras Tannurah	12/09/2012
NE 2442	-	Iran and UAE - Jazireh-ye Sirri to Sir Abu Nu'ayr	20/09/2012
NE 2443	7238	UAE and Iran - Sir Abu Nu'ayr to Zirku	20/09/2012
NE 2444	7239	UAE, Qatar and Iran - Eastern Approaches to Jazirat Das and Jazirat Halul	20/09/2012
NE 3175	7212	UAE and Iran - Jazirat Al Hamra to Dubai and Jazireh-ye Sirri	20/09/2012
NE 3176	7216	UAE - Ajman to Sir Abu Nu'ayr	20/09/2012
NE 1268	-	Iran - Approaches to Khowr-e Musa	27/09/2012
NE 1269	7299	Iran - Khowr-e Musa	27/09/2012
NE 2851	-	Arabian Sea and Gulf of Oman - Masirah to the Strait of Hormuz	27/09/2012
NE 2889	7211	UAE, Iran and Qatar - Dubai to Jabal Az Zannah and Jazirat Das	27/09/2012
NE 3172	-	Oman and Iran - Strait of Hormuz	27/09/2012
NE 3174	7209	Oman, Iran and UAE - Western Approaches to the Strait of Hormuz	27/09/2012
NE 3520	7200	Iran and Oman - Khawr Kalba and Dawhat Diba to Gahha Shoal	27/09/2012
NE 3709	-	UAE - Port of Fujairah and Offshore Terminals	04/10/2012
NE 3723	-	UAE - Approaches to Khawr Fakkan and Fujairah	04/10/2012
NE 2883	7260	Iran and Saudi Arabia - Jazireh-ye Lavan to Kelat and Ras Tannurah	11/10/2012
NE 3173	-	Iran and Oman - Strait of Hormuz Northern Part	25/10/2012
NE 2884	7278	Iran, Iraq, Kuwait and Saudi Arabia - Mina Az Zawr to Al Basrah and Bushehr	29/11/2012
NE 2886	7243	Bahrain, Iran, Saudi Arabia, Qatar and UAE - Jazireh-ye Lavan and Jazirat Das to Ras Tannurah	29/11/2012
NE 2887	7232	UAE, Iran and Qatar - Dubai and Jazireh-ye Qeshm to	29/11/2012

		Jazirat Halul	
NE 2888	-	Iran, Oman and UAE - Jask to Dubai and Jazireh-ye Qeshm	29/11/2012
NC 2853	-	Oman - Approaches to Sohar	06/12/2012
NE 3739	7220	UAE - Jebel Ali and Approaches	13/12/2012
NE 3752	-	UAE - Khalifa Port and Approaches	13/12/2012
NE 2837	7017	Strait of Hormuz Qatar	21/02/2013
NE 2847	7018	Qatar to Shatt Al Arab	21/02/2013

3.3 Charts scheduled for publication in the next six months.

- NE 40 Karachi Harbour
- NE 59 Port Muhammad Bin Qasim and Approaches
- NE 707 Mumbai to Muscat
- NE 2441 Jazireh-ye Tonb-e Bozorg
- NE 2858 Gulf of Oman to Shatt Al Arab
- NE 3413 Oil and Gas Terminals in Qatar and UAE
- NC 3762 Port of Ad Duqm
- NC 3763 Approaches to Ad Duqm

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

- NE 2523 Cable Bank to Ras Rakan
- NC 3778 Ports of Jabal Dhanna (Jabal az Zannah) and Ruwais (Ar Ru'ays)
- NC 3779 Outer Approaches to Jabal Dhanna (Jabal az Zannah) and Ruwais (Ar Ru'ays)
- NE 3842 Entrance to the Shatt Al 'Arab
- NE 3843 Shatt Al Arab / Arvand Rud, Inner Bar to Kabda Point
- NE 3844 Shatt Al Arab / Arvand Rud, Kabda Point to Abadan
- NE 3845 Shatt Al Arab / Arvand Rud, Abadan to Jazirat Umm At Tuwaylah
- NE 3846 Shatt Al Arab, Jazirat Umm At Tuwaylah to Al Ma'qil

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 RSAHC region.

ENCs

3.6 Within the RSAHC region, the UKHO has released a total of 121 ENC cells:

Coverage currently comprises of 32 Harbour, 51 Approach, 32 Coastal and 6 General cells. See diagrams in 3.7

GB402853 is currently in progress (Oman-Port of Sohar)

GB403763 (Approaches to Duqm Port) and GB503762 (Duqm Port) are planned for release later this year

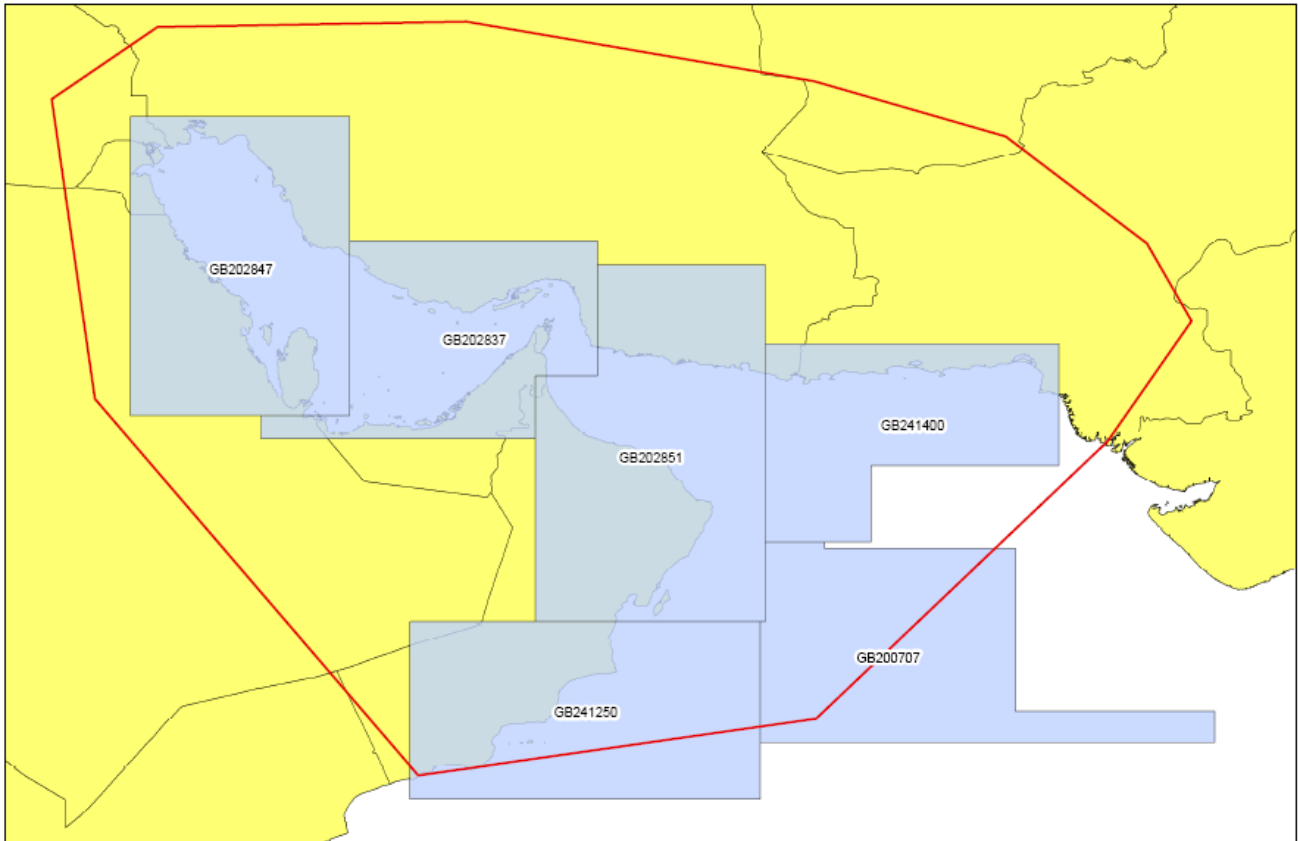
3.7 Details of the changes since the last RSAHC meeting:

In order to resolve overlapping data in the Overview Usage Band the UKHO have re-banded a number of cells in Overview, General and Coastal Usage Bands.

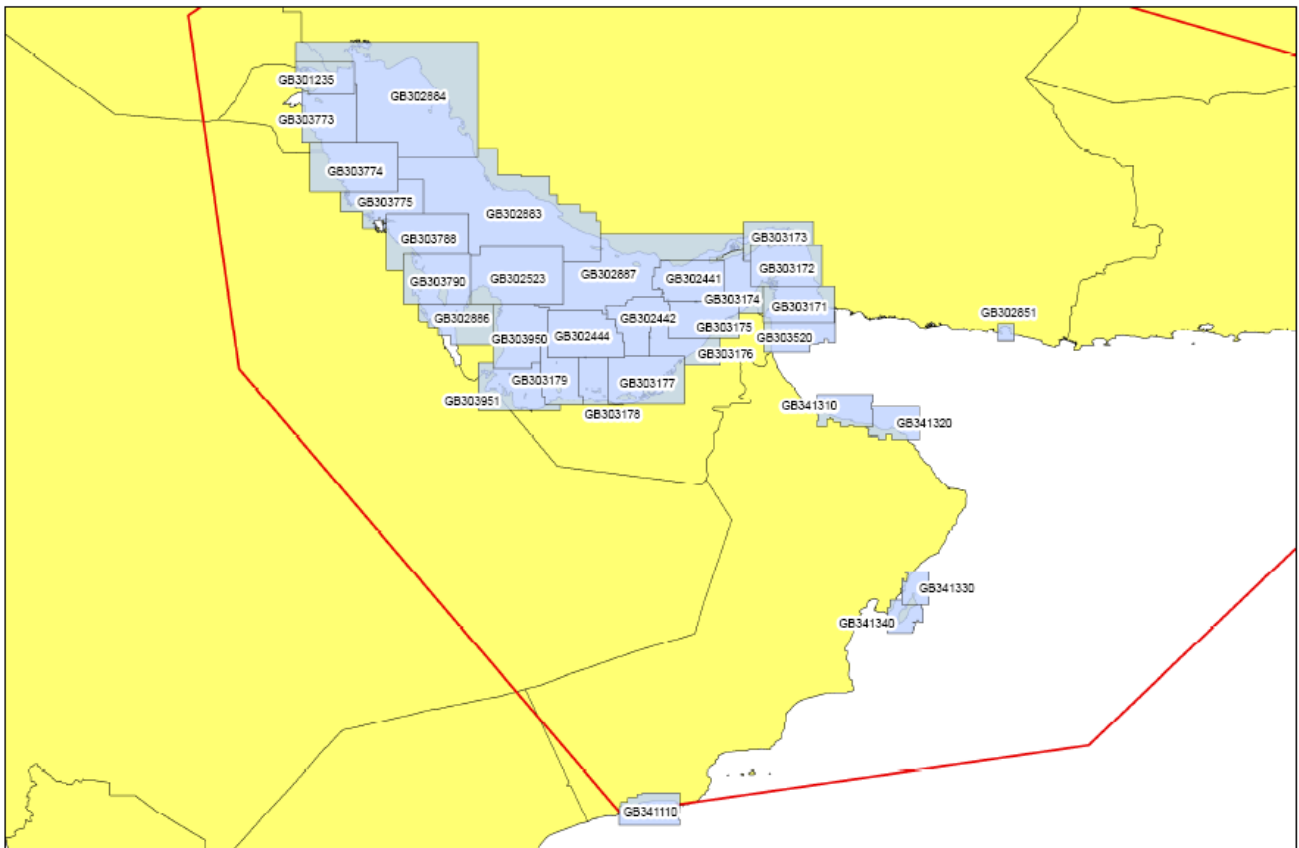
This re-scheme consisted of 33 cancellations and 29 new cells; there is no longer GB Overview coverage as these cells have been dropped into General.

3.8 GB Coverage of ENC Cells

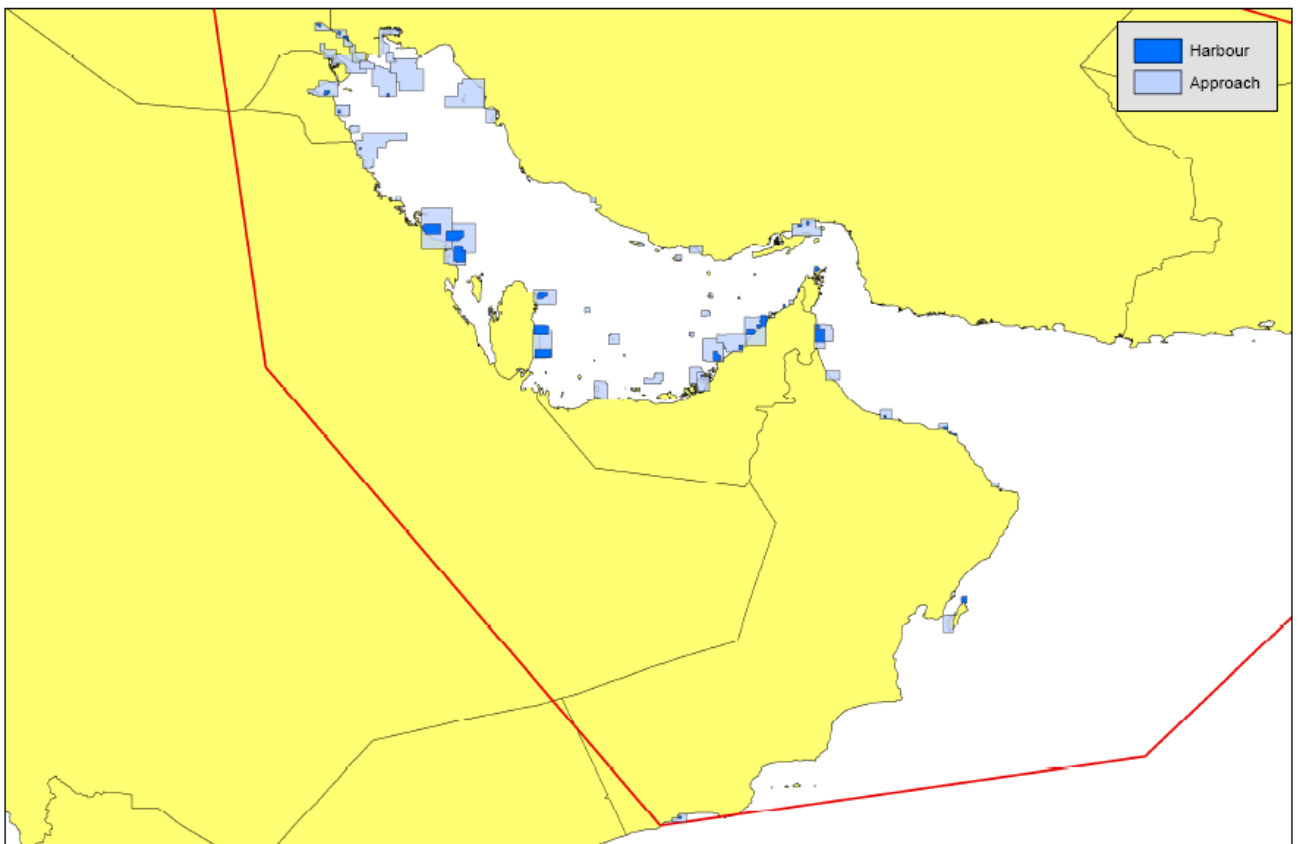
ROPME Sea Area Hydrographic Commission - GB General Usage Band Coverage



ROPME Sea Area Hydrographic Commission - GB Coastal Usage Band Coverage



ROPME Sea Area Hydrographic Commission - GB Approach and Harbour Usage Band Coverage



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 RSAHC region is as follows:

New Editions Published since last RSAHC meeting:

NP64 Red Sea and Gulf of Aden Pilot Oct 12

New Editions to be published:

NP63 Persian Gulf Pilot Apr 13

NP38 West Coast of India Pilot Oct 13

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

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 ENCs

- Comprehensive reference document to give users a high level of understanding about the practical use of ENCs
- 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 ROPME Sea Area covers the northern portion of NAVAREA IX, the coordinator of which is Pakistan (who also provides access to SafetyNET). Karachi NAVTEX station is currently not operational, along with Saudi Arabian Station at Dammam. Coastal warnings normally transmitted from these stations are currently being broadcast via SafetyNET until further notice. NAVAREA IX has requested assistance from IHO WWNWS-SC to enhance communication links with the 16 countries within its area of responsibility. Pakistan has provided effective piracy support information via SafetyNET.

5.2 As NAVAREA I Coordinator, UK maintains close liaison with the NAVAREA IX Coordinator. Any information received at UKHO which requires urgent promulgation is passed to the NAVAREA IX Co-ordinator on a H24 basis.

5.3 GMDSS MSI coverage in the ROPME Sea Area is approximately 80%. 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 IX Co-ordinator for navigational warnings.

5.4 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, UK is committed to providing regular updates to the C-55 entries for UK Home Waters and its Overseas Territories. 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

CAPACITY BUILDING

7.1 UK fully supports the IHO Capacity Building Committee (CBC) 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 CBC initiatives and to providing bilateral assistance.

7.2 Since the last RSAHC meeting, UK has provided two trainers for the one week 'Technical aspects of Maritime boundaries, baselines and the extended continental shelf' workshop in Muscat, February 2012, noting that this was the first ever RSAHC CB initiative to be submitted, funded and delivered (see IHB CBSC website for further details).

7.3 As reported in the UK Generic National Report, UKHO has created a new 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 co-ordinated. It will act 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 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 UKHO can be found on the UKHO website.

ENC Training and Assistance



7.5 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 UKHO are included in the UK Generic National Report.

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

7.6 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 staffs’ 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 ROPME area, 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 RSAHC 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 “Issues that keep us awake at night”

1. Quality and availability of navigational chart and publication source data
2. ENC consistency between producers

Taunton, February 2013

UKHO POINTS OF CONTACT

UKHO Website: www.ukho.gov.uk

The general UKHO address is:

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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 RSAHC region, please contact:

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

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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):
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