



UNITED KINGDOM NATIONAL REPORT

10TH SOUTHERN AFRICA AND ISLANDS HYDROGRAPHIC COMMISSION (SAIHC) MEETING

Lisbon, Portugal

17th – 18th September 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 SAIHC 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 close liaison which exists between UK's Hydrographic Office (UKHO) and UK's maritime administration 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, 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 SAIHC region are included at the end of this report.

Production Systems

1.4 This is described in the UK Generic National Report.

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 surveys, and has been considerable successful in promoting co-operation between these organisations.

2.2 Any requests for survey assistance from nations within the SAIHC 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 involvement in Regional Hydrographic Commission initiatives. Further information can be obtained from (InternationalPartnering@ukho.gov.uk).

2.3 In September 2012 HMS Protector undertook three surveys around St. Helena in the South Atlantic. An approach survey to James Bay was undertaken, results of the survey can be see in Figure 1.

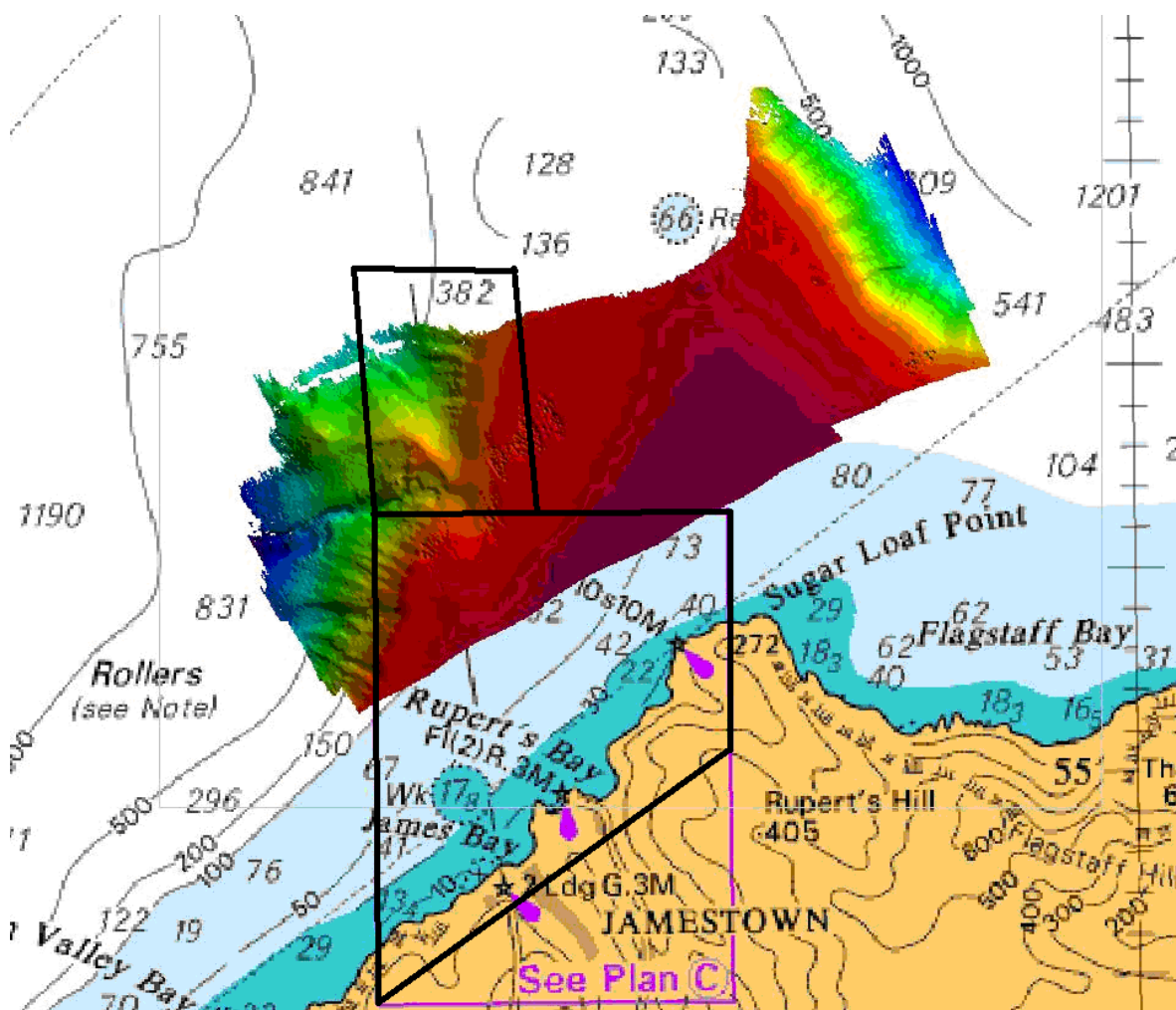


Figure 1 Survey of James Bay, St Helena

An investigation was undertaken on the wreck RFA Darkdale with minimum depth 17.8m to confirm its true position and the results can be see in Figure 2.

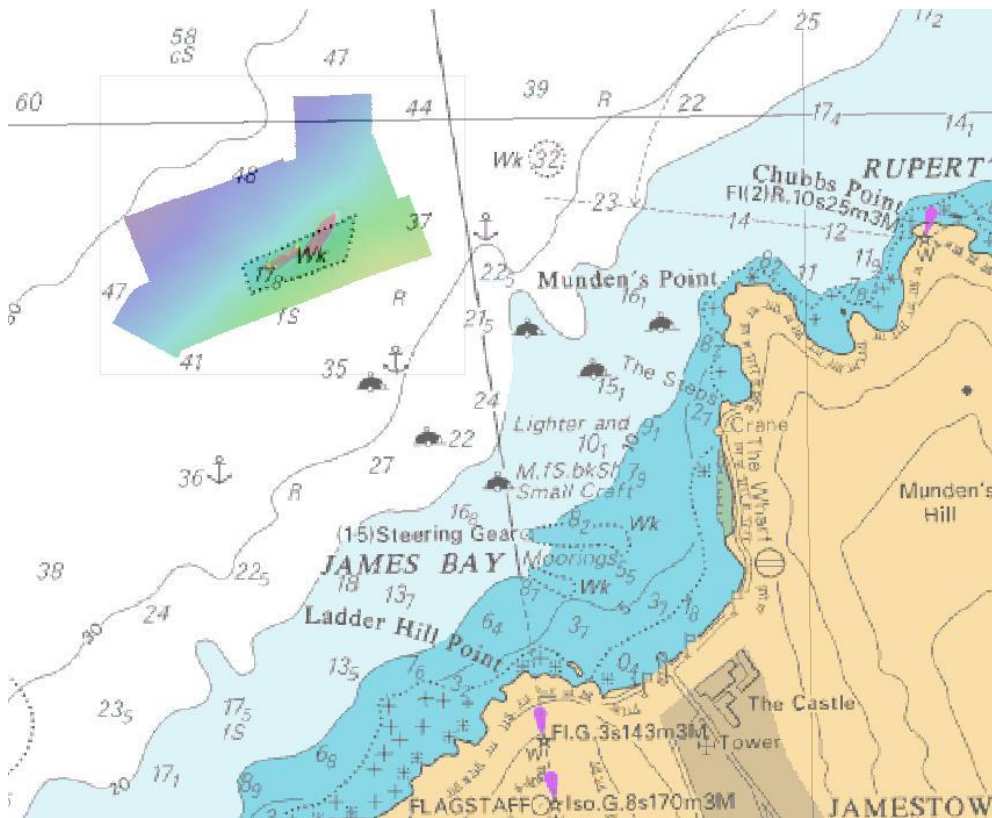


Figure 2 Wreck investigation survey

Whilst at St Helena HMS Protector took the opportunity to survey the 200m contour as can be seen in Figure 3.

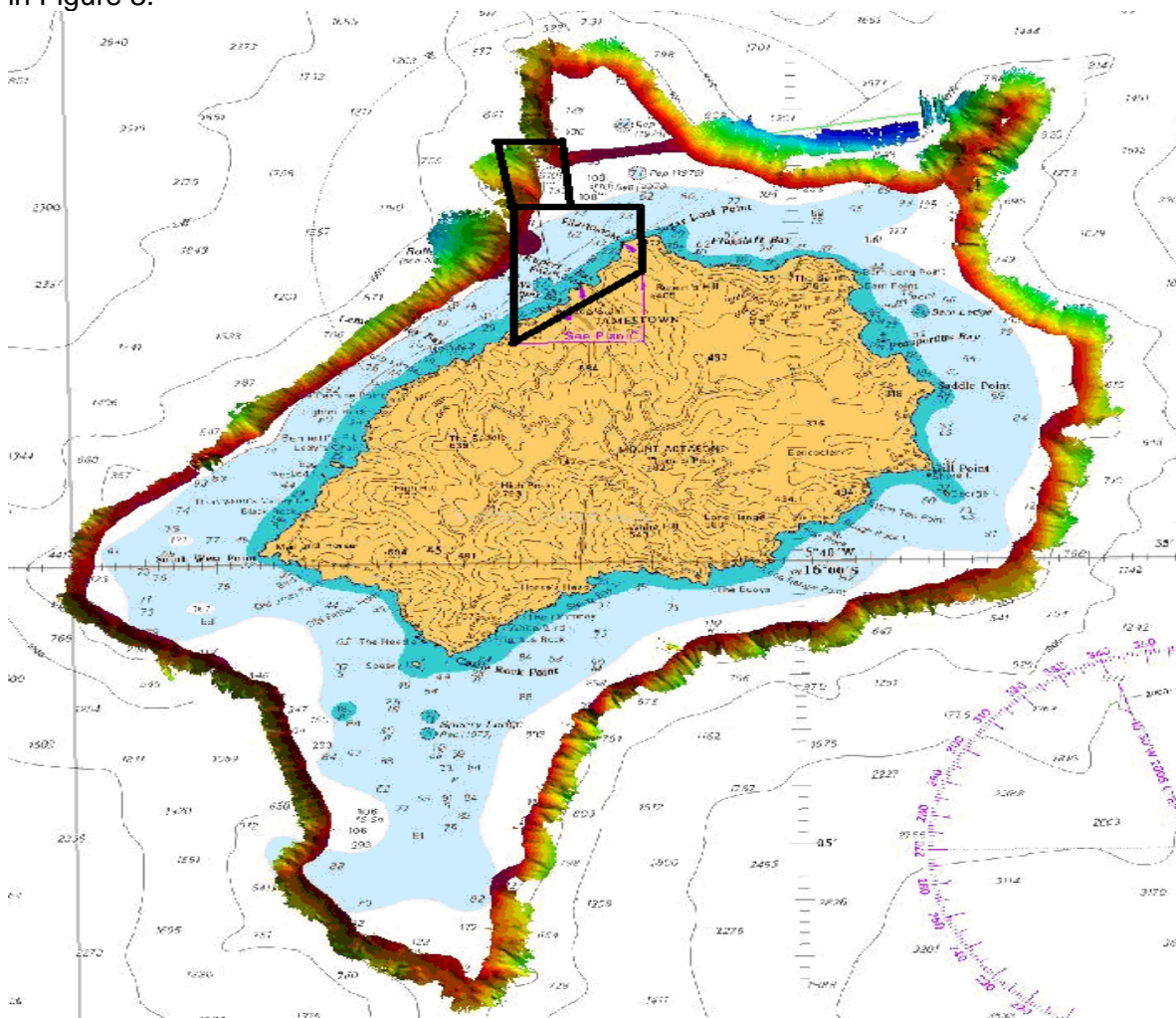


Figure 3 Survey to define the 200m contour

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 SAIHC region.

Paper Charts



3.2 Information on UK's chart portfolio is provided on the UKHO website. The following paragraphs provide information specifically relevant to the SAIHC region.

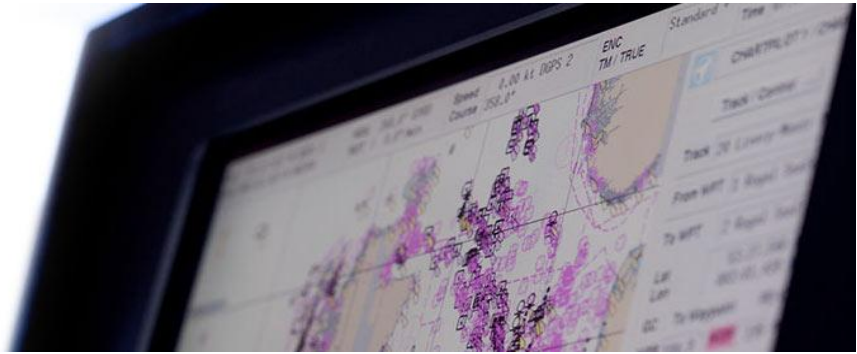
The following charts have been published since the last SAIHC meeting as New Charts or full New Editions:

| GB Chart Number | INT Chart Number | Title | Published |
|-----------------|------------------|--|-----------|
| 665 | 7695 | Approaches to Zanzibar | 13/09/12 |
| 693 | 7692 | Dar es Salaam | 11/10/12 |
| 4137 | 2612 | Walvis Bay Harbour | 08/11/12 |
| 4138 | 2613 | Approaches to Walvis Bay | 08/11/12 |
| 4163 | 7550 | Mbashe Point to Port Shepstone | 08/11/12 |
| 644 | 7581 | Baia de Maputo | 29/11/12 |
| 1769 | 2655 | Islands and Anchorages in the South Atlantic | 27/12/12 |
| 1497 | 7735 | La Reunion | 11/04/13 |
| 4160 | 7533 | Ngqura Harbour | 18/04/13 |
| 2758 | - | Porto da Beira | 09/05/13 |
| 666 | 7702 | Port Mombassa | 30/05/13 |
| 3877 | 7055 | Mozambique Channel (Northern part) | 18/07/13 |
| 646 | - | Porto de Maputo | 25/07/13 |

The following charts are scheduled for publication in the next six months:

| GB Chart Number | INT Chart Number | Title |
|-----------------|------------------|------------------------------------|
| 4171 | 7560 | Port Shepstone to Tugela River |
| 2949 | 7056 | Mtwara to Lamu |
| 3878 | - | Mozambique Channel (Central part) |
| 3880 | - | Mozambique Channel (Southern part) |

Digital Charts



3.3 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 SAIHC region.

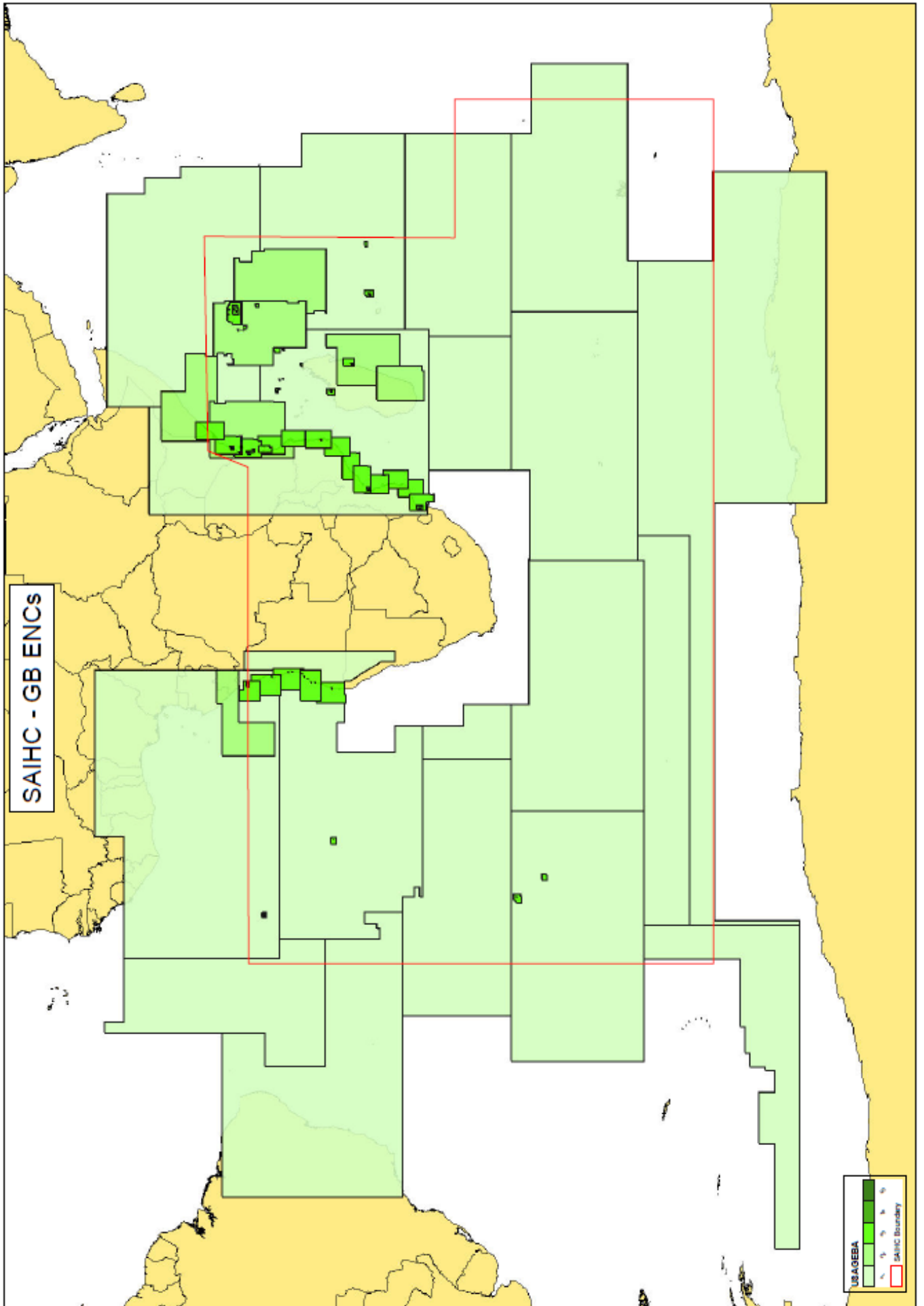
ENCs

3.4 Within the SAIHC Region, UK has published 109 ENC cells.

The breakdown by usage band is shown in the table below:

| SAIHC Region | |
|-----------------------|--------------------|
| ENC Usage Band | Number of GB ENC's |
| Usage Band 1 | 20 |
| Usage Band 2 | 7 |
| Usage Band 3 | 33 |
| Usage Band 4 | 33 |
| Usage Band 5 | 16 |
| Usage Band 6 | 0 |
| Total Number of ENC'S | 109 |

The diagram overleaf shows the current status of UK ENC's within the SAIHC Region.



ENC Distribution

3.6 The UKHO, along with other European hydrographic offices, was a founder member of the IC-ENC RENC. IC-ENC (International Centre for ENCs) 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). UKHO actively supports IC-ENC as the world's leading facilitator of getting carriage-compliant ENCs on to the bridges of shipping across the globe.

4. PUBLICATIONS

4.1 Paper Publications



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

| | | |
|---|--------------------------|--------------------|
| NP01 | Africa Pilot Vol 1 | July 2012 |
| <i>New Editions Published since last SAIHC meeting:</i> | | |
| NP03 | Africa Pilot Vol 3 | May 2013 |
| <i>New Editions to be published in next twelve months</i> | | |
| NP02 | Africa Pilot Vol 2 | due March 2014 |
| NP39 | South Indian Ocean Pilot | due September 2014 |

These publications are all maintained on a continuous revision cycle with new editions approximately every three to five years.

4.2 Digital Publications



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 SAIHC region is for its British Overseas Territories - namely St Helena, Ascension and Tristan da Cunha, along with those Commonwealth of Nations countries where the United Kingdom is the producer of primary charting, including Kenya, Maldives, Mauritius, Seychelles, and Tanzania.

5.2 UK maintains close liaison with the co-ordinators for NAVAREA VII (South Africa - which covers most of the SAIHC area) and NAVAREA VIII (India - which covers a small part of the area to the NE and East). Meteorological Information and Navigational Warnings are promulgated on SAFETYNET through the AOR(E) and IOR satellites; coastal warnings are broadcast on NAVTEX from stations at Walvis Bay, Cape Town, Port Elizabeth and Durban. Walvis Bay NAVTEX, which has been out-of-service since February 2011, is expected to be re-commissioned by the end of 2013, or early 2014. Coastal warnings are also available on SAFETYNET for the areas around Mayotte, Reunion, and the Kerguelen Islands.

5.3 There is only a limited availability of MSI in the SAIHC region with only South Africa and Namibia having established GMDSS or WWWNS facilities. Whilst the International SAFETYNET service has been in existence for many years, expansion of NAVTEX services are required, particularly to cover the area of the Mozambique Channel. An IMO proposal to establish a NAVTEX site on the Seychelles has not progressed beyond the request for tenders stage. The implementation of such a site, particularly in this area of the world where acts of piracy are a major concern, would be fully supported by the IMO NAVTEX Coordinating Panel.

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. 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, including Kenya, Maldives, Mauritius, Seychelles, and Tanzania, where the UKHO is the producer of primary charting, 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 putting in place 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 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). Mr. Bryant is the Capacity Building Coordinator for the MACHC, NIOHC and RSAHC regions.

7.3 Cartographic Training provided by UKHO



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.

7.4 ENC Training and Assistance



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.

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

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

The IHO theme for the 2013 World Hydrography day was

“Hydrography - underpinning the blue economy”

The UKHO will be celebrating World Hydrography Day 2013 at a reception held the National Oceanography Centre, Southampton on 28th October 2013, hosted by Mr Ian Moncrieff CBE (Chief Executive, UKHO) and Rear Admiral Tom Karsten (National Hydrographer, UKHO).



This year our co-hosts will be the Maritime and Coastguard Agency, Associated British Ports; Southampton and the National Oceanography Centre, reflecting the wide reaching theme. Our guests have been invited from across the maritime sector to a presentation and networking event highlighting the value of hydrography to the UK Economy.

The annual presentation of the Alexander Dalrymple award will be made at the reception. 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

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.

UK has a strong commitment to the Southern Africa region, through its primary charting responsibilities and through its continuing interest in developing regional hydrographic self-sufficiency through capacity building measures.

The UK, through the UKHO and the national maritime administration (MCA), continues to pursue opportunities to improve access to bathymetric data gathering in waters around British Overseas Territories, particularly to support long-haul deep-sea traffic.

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

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 in the SAIHC region as well as others.

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

Taunton, September 2013

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