



# UNITED KINGDOM NATIONAL REPORT

## 12<sup>TH</sup> SOUTHERN AFRICA AND ISLANDS HYDROGRAPHIC COMMISSION (SAIHC) MEETING

Dar es Salaam, Tanzania

22<sup>nd</sup> – 23<sup>rd</sup> September 2015

This report supplements the UK Generic National Report, posted on the UKHO website  
(see [www.ukho.gov.uk](http://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](http://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 survey, 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 Regional Hydrographic Commission initiatives. Further information can be obtained from Mr. Sam Harper UKHO International Hydrographic Projects Manager ([samuel.harper@ukho.gov.uk](mailto:samuel.harper@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 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
4701	701	Maputo to Muqdisho	28/08/2014
3895	7710	Archipel Des Comores	25/09/2014
4160	7533	Nggura Harbour	02/10/2014
4142	2672	Saldanha Bay Harbour	04/12/2014
1769	2655	Islands and Anchorages in South Atlantic	11/12/2014
663	7698	Approaches to Tanga	15/01/2015
710	7739	Approaches to Port Louis	01/06/2015
4157	7531	Approaches to Port Elizabeth	23/07/2015
4203	203	Ascension Island and Luanda to Walvis Bay	10/09/2015
4204	204	Walvis Bay to Maputo	10/09/2015
4700	700	Port Elizabeth to Mauritius	17/09/2015

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

GB Chart Number	INT Chart Number	Title
4169	7563	Approaches to Durban Oil Terminal SBM

## 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.

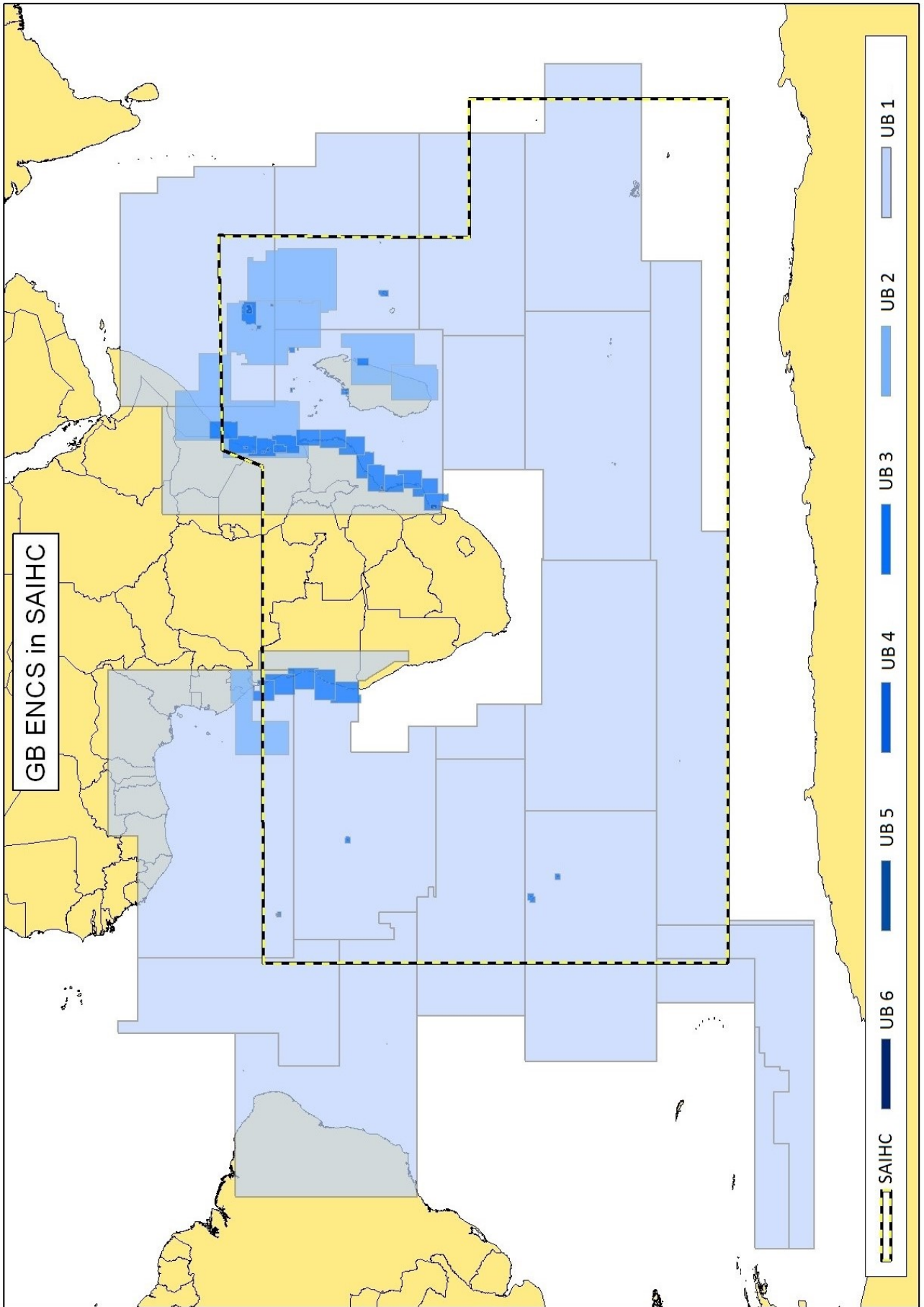
### ENCs

**3.4** Within the SAIHC Region, UK has published 103 ENC cells.

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

ENC Usage Band	Number of GB ENC's	Comment
1	18	
2	7	
3	32	GB300715 cancelled due to chart being withdrawn
4	30	GB401116 replaced by FR476800, GB45321A replaced by IN52514A
5	14	GB55321B replaced by IN52514A
6	2	

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 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](http://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 UK produces the following publications on an annual revision cycle within the SAIHC region:

- NP77 Admiralty List of Lights and Fog Signals Vol. D Eastern Atlantic Ocean, Western Indian Ocean, Arabian & Red Seas
- NP202 Admiralty Tide Tables (ATT) Volume 2, Europe (excluding UK and Ireland), Mediterranean Sea and Atlantic Ocean
- NP203 Admiralty Tide Tables (ATT) Volume 3, Indian Ocean
- NP281(1) Admiralty List of Radio Signals Maritime Radio Stations Europe, Africa and Asia
- NP282 Admiralty List of Radio Signals Volume 2 Radio Aids to Navigation, Satellite Navigation Systems, Differential GPS (DGPS) Legal Time, Radio Time Signals and Electronic Position Fixing Systems
- NP283(1) Admiralty List of Radio Signals Volume 3 Part 1 Maritime Safety Information Services. Europe, Africa and Asia (excluding the Far East)
- NP284 Admiralty List of Radio Signals: Volume 4, Meteorological Observation Stations
- NP285 Admiralty List of Radio Signals: Volume 5, Global Maritime Distress and Safety System
- NP286(8) Admiralty List of Radio Signals: Volume 6 - Part 8, Pilot Services, Vessel Traffic Services and Port Operations

As well as numerous other publications useful to the mariner; full details of the range and status can be found on the UKHO website ([www.ukho.gov.uk](http://www.ukho.gov.uk)).

The UK produces the following publications on a three to five year revision cycle within the SAIHC region:

NP01	Africa Pilot Vol 1	2014
NP02	Africa Pilot Vol 2	2013
NP03	Africa Pilot Vol 3	2013
NP39	South Indian Ocean Pilot	2014

## 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. Details on the range of Admiralty digital publications and their flag state approval can be found on the UKHO website.

**4.3** The Admiralty digital catalogue may be downloaded free from the UKHO website ([www.ukho.gov.uk](http://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 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, Durban, Mauritius and Mahe. Walvis Bay NAVTEX, which has been out-of-service since February 2011, is expected to be re-commissioned by the middle of 2016. 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 Seychelles, Mauritius, 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. During the reporting period Seychelles has commenced transmitting MSI by NAVTEX from Mahe providing much needed MSI within the surrounding area. South Africa has applied to IMO NAVTEX Coordinating Panel for another NAVTEX station at Cape Columbine which is expected to be operational towards the end of 2015.

## 6. C-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. The latest status is as follows is correctly depicted within C-55



**6.2** UK has also provided assistance to update C-55 entries to other countries, including Kenya, Maldives, 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](mailto: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 2015 World Hydrography day is

*“Our seas and waterways - yet to be fully charted and explored”*

9.1 The UKHO will be celebrating World Hydrography Day 2015 held in conjunction with The Institute of Marine Engineering, Science and Technology event “Oceans of Knowledge: Realising the Benefits of Ocean Information” - Wednesday 11 November 2015 - The Royal Institution, London, followed by an evening reception hosted by, Mr John Humphrey (Chief Executive, UKHO) and Rear Admiral Tim Lowe (National Hydrographer, UKHO).



9.2 This year our co-hosts are the Institute of Marine Engineering, Science and Technology.

9.3 Our guests have been invited from across the maritime sector to a networking event highlighting the value of hydrography to the UK Economy and the many applications of hydrographic survey.

9.4 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 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 Southern Africa region, through its primary charting responsibilities and through its continuing interest in developing regional hydrographic self-sufficiency through capacity building measures.

10.3 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.

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 in the SAHIC region as well as others.

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

Taunton, August 2015

## UKHO POINTS OF CONTACT

**UKHO Website:** [www.ukho.gov.uk](http://www.ukho.gov.uk)

The general UKHO address is:

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