



UNITED KINGDOM NATIONAL REPORT

13TH SOUTHERN AFRICA AND ISLANDS HYDROGRAPHIC COMMISSION (SAIHC) MEETING

Cape Town, South Africa
29 – 31 August 2016

This report supplements the UK Generic National Report, posted on the UKHO website

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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 to the IHO, see www.gov.uk/ukho.

UKHO Organisation



1.3 Details of the UKHO's organisation 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 bilateral arrangements, developed in co-operation with other international government hydrographic authorities, covering a range of topics, including the use of copyright data. These also promote 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 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 prioritising 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 considerably successful in promoting co-operation between these organisations.

2.2 The UK government has created the Commonwealth Marine Economies (CME) programme which was first announced by the former Prime Minister at the 2015 Commonwealth

Summit. The programme aims to support the sustainable economic growth of Small Island Developing States (SIDS) by maximising the potential of their marine resources, helping to improve their resilience to climate change and natural disasters, protect their environment and food security, and ultimately improve the livelihood of local communities.

2.3 We are working in partnership on the CME programme with the Centre for Environment, Fisheries and Aquaculture Science (Cefas) and the National Oceanography Centre (NOC) to provide a wide range of expertise.

2.4 Any requests for survey assistance from nations within the SAIHC region will be assessed as UKHO can contribute to project management of hydrographic surveys, and has a post dedicated to the phased development of new international survey activity and capability. The post acts as the initial point of contact for UKHO involvement in direct overseas surveying schemes, including British Overseas Territories and Regional Hydrographic Commission initiatives. Further information can be obtained from Mr. Sam Harper (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.

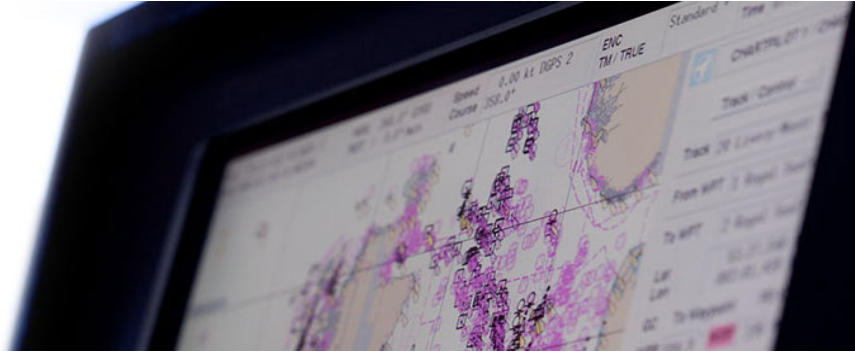
The following charts have been published since the last SAIHC meeting as New Charts or full New Editions:

GB Chart Number	INT Chart Number	Title	Published
659	2513	Approaches to Soyo	25/08/2016
693	7692	Dar es Salaam	24/03/2016
695	7722	Northern Approaches to Toamasina (Tamatave)	21/07/2016
696	7723	Port and Passes of Toamasina (Tamatave)	21/07/2016
3211	7696	Zanzibar Harbour	26/11/2015
4158	7532	Plans in Algoa Bay	02/06/2016
4169	7563	Approaches to Durban Oil Terminal SBM	24/09/2015

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

GB Chart Number	INT Chart Number	Title
657	2512	Punta da Cafumbica to Matadi
664	requested	Mtwara and Approaches
693	7692	Dar es Salaam
865	-	Plans on the coast of Tanzania
1003	INT 7631	Approaches to Porto Da Beira
2758	IN 7632	Porto Da Beira

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.

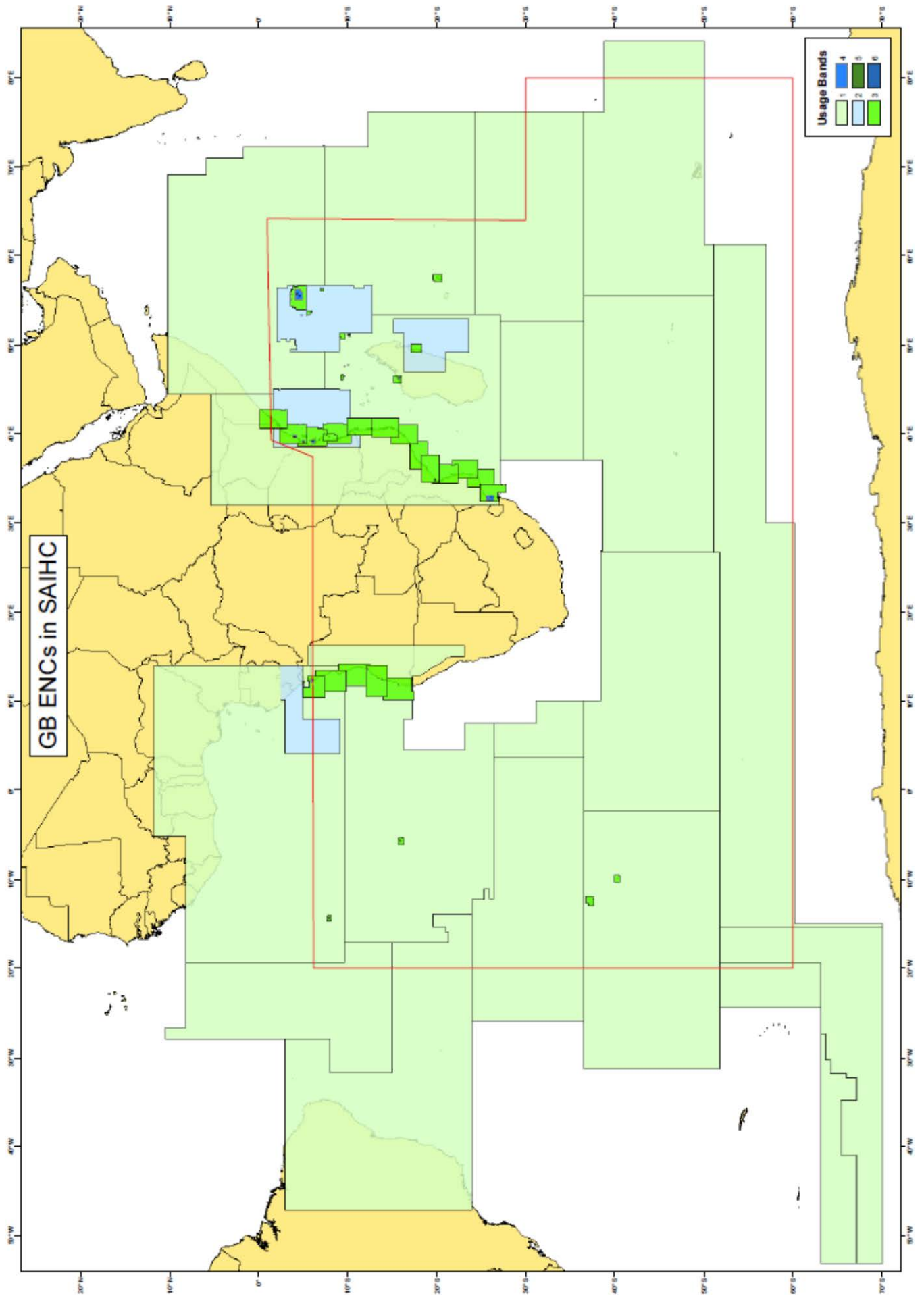
The breakdown by usage band is shown in the table below:

ENC Usage Band	Number of GB ENC's	Comment
1	18	
2	7	
3	32	
4	31	New cell GB41691A released in Saint Helena
5	14	
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 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 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).

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 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, 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, Durban, Mauritius and Mahe. Walvis Bay NAVTEX, which has been out-of-service since February 2011, is expected to be re-commissioned towards the end of 2016. Coastal warnings are also available on SafetyNET for the areas around Mayotte, Reunion, and the Kerguelen Islands.

5.3 There is a limited MSI broadcast within 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. Unfortunately Seychelles NAVTEX antenna was hit by lightning in January resulting in no NAVTEX transmission from Seychelles since then. This has caused the loss of a much needed MSI broadcast 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 2016.

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 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. Further information can be obtained from Mr. Jeff Bryant (jeff.bryant@ukho.gov.uk). As well as the SAIHC, Mr. Bryant is also 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 2016 World Hydrography day is

"Hydrography– the key to well-managed seas and waterways"

9.1 The UK celebration of WHD 2016 was hosted by the International Maritime Organization as an evening reception at IMO Headquarters, London in July 2016. The United Kingdom Hydrographic Office (UKHO), in collaboration with the Centre for Environment Fisheries and Aquaculture Science (CEFAS) and the UK National Oceanography Centre (NOC) used displays to



demonstrate the hydrographic management of seas and waterways and how hydrographic data can be utilised for wider activity.

9.2 This high-level event was aimed at Ministers, CEOs, directors, the chairs and senior managers of national organisations and offered an excellent networking opportunity in a central London location. Welcomed by the UKHO Chief Executive John Humphrey and National Hydrographer Rear Admiral Tim Lowe Guests included, the Minister Lord Earl Howe, Mr Ashok Mahapatra, IMO Director, Maritime Safety Division and Dr Parry Oei, Director (Port Services)/Chief Hydrographer Maritime and Port Authority of Singapore.

9.3 As part of the events to mark the 2016 World Hydrography Day in June, the United Kingdom Hydrographic Office (UKHO) hosted an interactive family day around the theme of 'Getting to know the UKHO', which gave the opportunity for hundreds of parents and children to participate in fun hydrographic activities as well as meet expert mariners and representatives from the UKHO. The activity at the Museum of Somerset followed on from the success of STEMFEST 2016 where the UKHO joined with Taunton School to celebrate British Science week in March. Students from Years 6-13 from 500 local schools and colleges came together at this festival of Science, Technology, Engineering and Maths (STEM).

9.4 In celebration of World Hydrography Day, the UK Hydrographic Office has established the Alexander Dalrymple Award in recognition of an individual's outstanding dedication and contribution to hydrography. The annual award is named in honour of Alexander Dalrymple FRS who, following orders from King George III in 1795, set up what is now the UK Hydrographic Office. Dr Parry Oei, Chief Hydrographer Maritime and Port Authority of Singapore was awarded the 2016 Alexander Dalrymple Award in recognition of his tireless contribution to the International Hydrographic Community, particularly for his leadership and guidance within both the East Asia Hydrographic Commission's capacity building initiatives and the tripartite Marine Electronic Highway Working Group in the Straits of Malacca and Singapore.

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 and Islands 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 SAIHC 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 2016

UKHO POINTS OF CONTACT

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