



HCA9-07.4Af

# UNITED KINGDOM NATIONAL REPORT

TO THE

9<sup>TH</sup> HCA

HYDROGRAPHIC COMMISSION MEETING

Simon's Town, Cape Town, South Africa,  
12-14 October 2009

This report supplements the UK Generic National Report 2009, posted on the UKHO website ([www.ukho.gov.uk](http://www.ukho.gov.uk)), and describes UK's activities of direct relevance to the HCA region.

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**NOTE:** This report supplements the UK Generic National Report 2009, posted on the UKHO website ([www.UKHO.gov.uk](http://www.UKHO.gov.uk)), and concentrates on UK's activities of direct relevance to the HCA region. Further details of UKHO's role and other activities may be found on the UKHO website.

## **1. UNITED KINGDOM HYDROGRAPHIC OFFICE (UKHO)**

### **AVCS Launch**

1.1 Since the last meeting of HCA, UKHO has been working on the introduction of the Admiralty Vector Chart Service (AVCS) with the aim of providing the Mariner with the ENC coverage needed ahead of ECDIS mandation. This has involved close cooperation with other Hydrographic Offices around the world to provide greater access to ENCs and enhanced coverage where ENCs have not previously been available.

### **Changes in UKHO Organization**

1.2 UKHO's organization continues to evolve with changes in both organization and personnel. Within the Operations Directorate, the Chart Branch functions have been aligned with new production processes. The contact for discussion of charting matters for the HCA region is Andy Willett.

UK's hydrographic representation in international fora is coordinated by Dr Rob Hensley and Mr Nigel Sutton.

Contact details are provided at the end of this report.

### **Changes to Production Systems**

1.3 UKHO continues to work towards a fully digital production flowline to replace the existing analogue and digital system. Known as the Production Systems Delivery Programme (PSDP), the Programme is designed to deliver the new infrastructure and processes required by the UKHO. To date, the UKHO's working archive has been catalogued and documents captured in digital format, and geo-referenced. Receipt and distribution of source data documents in digital format has been implemented, managed by workflow software. Trials of the the Hydrographic Database have been completed and the large and complex task of data population has also been tested and is now underway in conjunction with the roll-out of the system. The requirements for the replacement of other legacy systems has also been reviewed and will be the subject of the Programme activity over the next few years.

## **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 has met on an annual basis for many years and provides the necessary breadth of interests to ensure that all requirements are taken into account when prioritizing UK's civil hydrographic survey programme.

2.2 UK Hydrographic Surveys in Antarctica, carried out by HMS Endurance during the 2008/09 season, are as follows:

#### *HMOI No. Area*

1285	Yankee Harbour, South Shetlands
1233	Ryder Bay, Adelaide Island.

### 3. CHARTS AND PUBLICATIONS

#### 3.a. CHARTS

3.a.1 Information on UK's chart portfolio is provided on the UKHO website. The following paragraphs provide information specifically relevant to the HCA region.

3.a.2 Charts scheduled for publication in the next twelve months include:

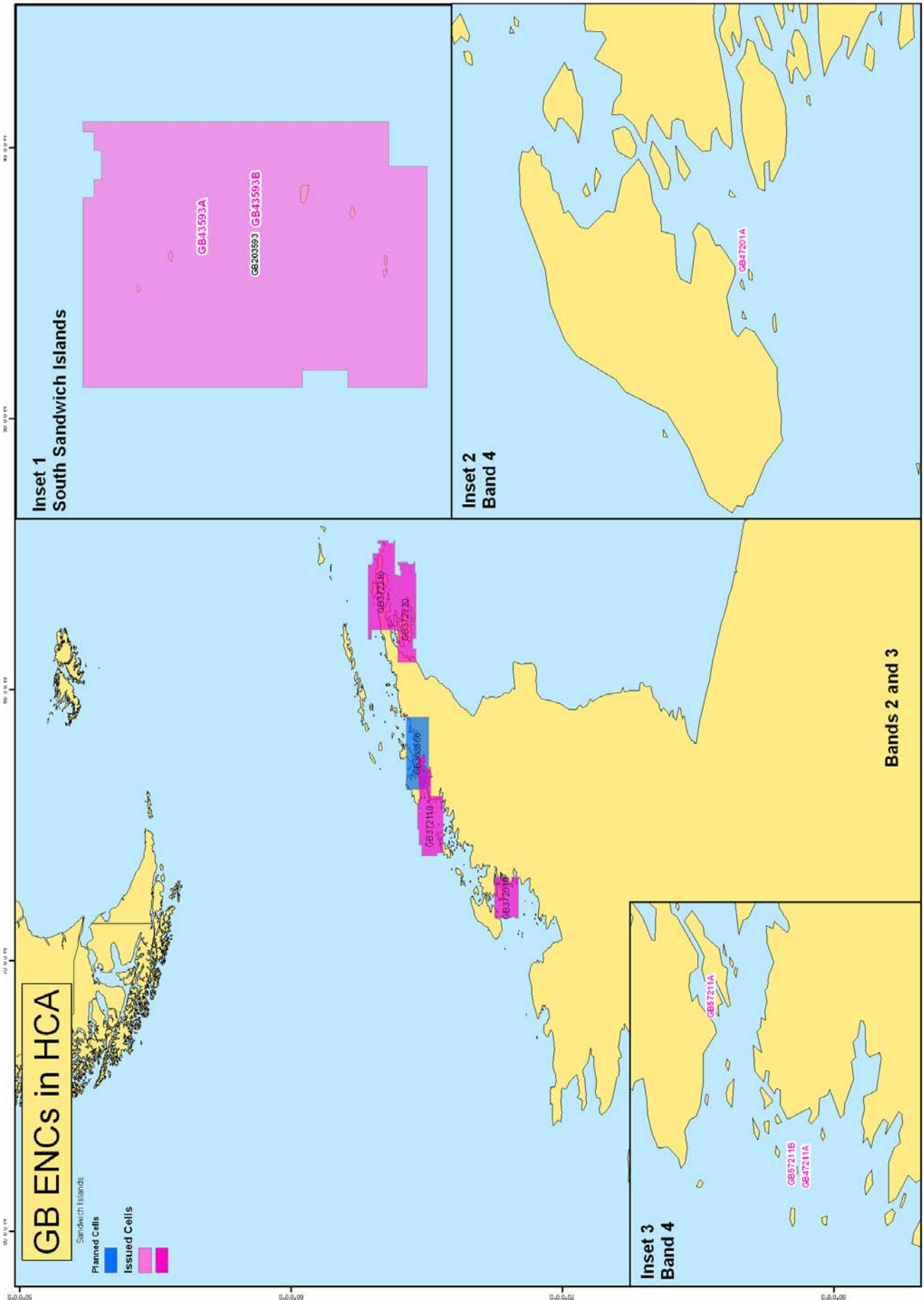
GB Chart Number	INT Chart Number	Title
NC2974	9163	Graham Land, Adelaide Island to Neny Fjord
NE225	9154	Joinville Island to Cape Ducorps and Church Point
NE227	9153	Church Point to Longing, including James Ross Island
NC3202	9120	Deception Island

#### ENCs

3.a.5 UKHO, having completed ENC production for UK home waters, is now engaged in the production of ENCs for other areas where it is Primary Charting authority. Full details of UK's ENC coverage are provided on UKHO website where there is both an online catalogue and a more functional downloadable digital catalogue (see below).

3.a.6 UKHO, along with other European hydrographic offices was a founder member of the International Centre for ENCs (IC-ENC) RENC which is the route to market for UK ENCs. IC-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. Details can be found on the IC-ENC website ([ic-enc.org](http://ic-enc.org)).

3.a.7 Within the HCA Region, UK has so far published 22 ENC cells (of which 11 are band 1 cells). One cell is in progress.



### **3.b. PUBLICATIONS**

#### **General**

3.b.1 Information on UK's publication portfolio is provided on UKHO website. The following paragraphs provide information specifically relevant to the HCA region.

#### **Paper publications**

3.b.2 The status of Admiralty Sailing Directions in the HCA region is as follows:

*New Editions Published since last HCA meeting:*

NP 09

Antarctic Pilot

July 2009

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

#### **Digital Publications**

3.b.3 UK continues to develop digital equivalents to its existing paper publications; these have the two advantages to the mariner of providing additional functionality and minimising the task of updating.

3.b.4 The Admiralty digital catalogue (version 1.6 recently released) 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, including P and T NMs, 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.

### **4. MSI**

4.1 The UK's principal responsibility in the HCA region is for the British Antarctic Territory.

4.2 The HCA region lies within NAVAREAs VI, VII, X, XIV and XV, co-ordinated by Argentina, South Africa, Australia, New Zealand and Chile respectively. UK maintains close liaison with all coordinators in the region and any information, received at UKHO, which requires urgent promulgation, is passed to the appropriate co-ordinator.

### **5. CAPACITY BUILDING**

#### **Offer of and/or demand for Capacity Building**

5.1 UK fully supports the IHO 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 bilateral assistance.

#### **Training received, needed, offered**

*Training provided by UKHO*

5.2 The UK Generic National Report, posted on the UKHO website, includes a general description of training provided by UKHO. Further details of the training opportunities offered by UKHO are provided on the UKHO website.

### *ENC Training and Assistance*

5.3 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, posted on the UKHO website.

### *Training at Hydrographic and Meteorological Training Group (HMTG)*

5.4 Nationally and internationally certified courses delivered by HMTG (formerly known as the RN Hydrographic School) in Plymouth, are described in the UK Generic National Report, posted on the UKHO website.

## **6. S-55 LATEST UPDATE**

6.1 As described in the UK Generic National Report, posted on the UKHO website, UK has established internal procedures to ensure the annual updating of the S-55 entries for UK Home Waters and its Overseas Territories.

6.2 UK has also provided assistance to update S-55 entries to countries where UKHO retains the primary charting responsibility, recognizing that local input remains critical to the maintenance of S-55 as an up-to-date and authoritative reference document.

## **7. OCEANOGRAPHIC ACTIVITIES**

7.1 UK's oceanographic activities are described in the UK Generic National Report, posted on the UKHO website.

## **8. CONCLUSION**

UKHO continues its commitment to carrying forward hydrographic activities through the work of the IHO's Regional Hydrographic Commissions, and notes that each exhibits its own particular opportunities and challenges.

Taunton, August 2009

## UKHO POINTS OF CONTACT

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