



INTERNATIONAL HYDROGRAPHIC ORGANIZATION

NATIONAL REPORTS FROM THE UNITED KINGDOM TO THE SWPHC14

Reference: IHO Resolution 2/1997 as amended

This report supplements the UK Generic National Report, posted on the UKHO website (see <https://www.gov.uk/government/publications/ukho-generic-national-report-for-regional-hydrographic-commissions>)

1. UNITED KINGDOM HYDROGRAPHIC OFFICE (UKHO)

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.

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 SWPHC region are included at the end of this report.

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The IHO Publication P-5 (*Yearbook*) United Kingdom P-5 updated October 2016 can be found at: https://www.iho.int/iho_pubs/IHO_Download.htm

2. Surveys:

We are continuing to develop our remote sensing capabilities and will be looking for opportunities in the region to conduct further Satellite Derived Bathymetry trials.

We continue to explore how we can strengthen the relationship with countries for which we are the Primary Charting Authority (PCA). This represents a challenge in terms of our geographical distance from our regional partners, but the level of engagement through our External Engagement Team has increased. This had led to a much better understanding of the requirements of those island states where we are PCA and we look forward to working closely with them in the future.

3. New charts & updates:



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 SWPHC region

a) ENCs



Within the SWPHC Region, UK has published 114 ENC cells. The breakdown by usage band is shown in Table 1 and Figures 1 and 2:

Table 1

SWPHC Region	
Usage Band	GB ENCs
1	5
2	21
3	27
4	30
5	30
6	1
ENC Count	114

Figure 1 GB ENC's West of 180

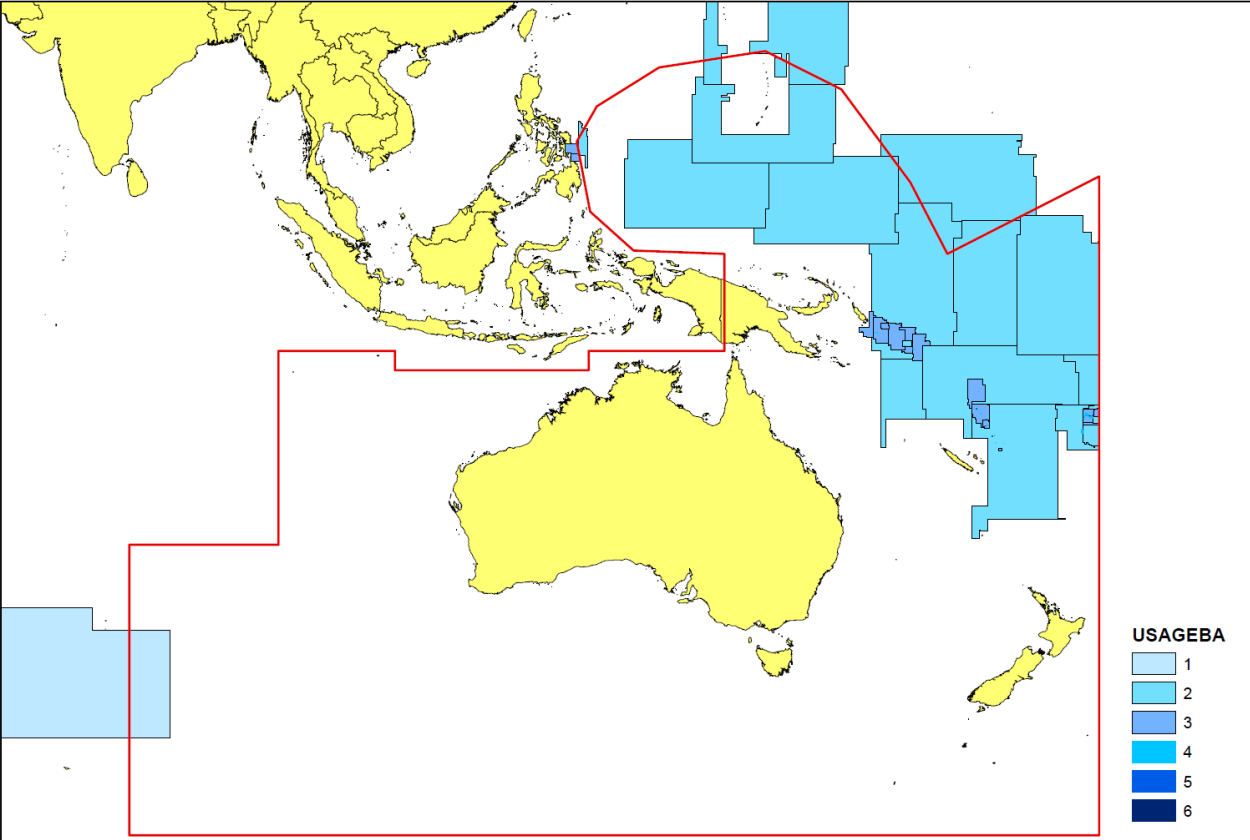
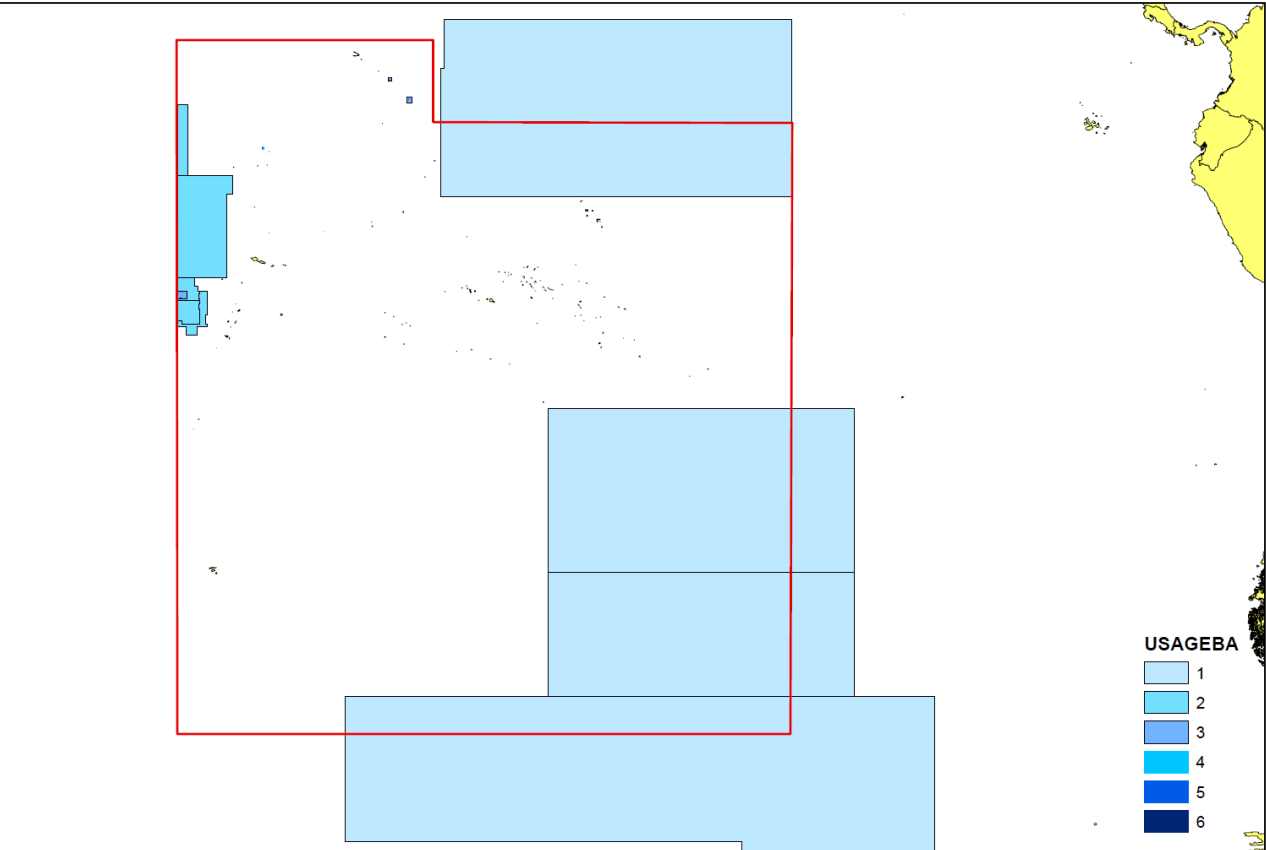


Figure 2 GB ENC's West of 180



b) ENC Distribution method



UKHO, along with other European hydrographic offices, was a founder member of the International Centre for ENC's RENC (IC-ENC). 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 and chart agents. Additional details can be found on the IC-ENC website (www.ic-enc.org).

c) National paper charts

Since the last SWPHC, we have published the following charts either as New Charts or full New Editions:

- 8 New Chart adoptions from the Australian (AUS) series and 46 new editions of charts previously adopted.
- 13 New Editions of charts previously adopted from the New Zealand (NZ) series.

In addition, Table 2 lists the following 8 charts that have been published in addition to those mentioned above.

Table 2

Chart	INT No.	Title	Publication Date
1638	-	Plans in Northern Vanuatu	07/04/2016
1494	-	Éfaté and Plans	18/02/2016
1581	-	Islands and Anchorages in Southern Vanuatu	07/04/2016
1577	-	Plans in Central Vanuatu	07/04/2016
714	-	Plans in the Phoenix Group and Northern Line Group	26/05/2015
729	-	Plans in the Gilbert Islands	26/05/2015
730	-	Maiana to Marakei	30/04/2015
731	-	Gilbert Group	30/04/2015

The following New Charts and New Editions are planned in FY2016-17:

- New Charts 4626 (INT626) and 4652 (INT652)
- New Chart 747 (Navula Passage to Yasawa Islands, Fiji)

- New chart 2464 (New Caledonia adoption of French chart 6827 INT6882)

4. New publications & updates:



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

- New Editions published since last SWPHC:

NP 14 Australia Pilot Vol 2	2016
NP 15 Australia Pilot Vol 3	2015
NP 51 New Zealand Pilot	2015

- New Editions to be published:

NP 60 Pacific Islands Pilot Vol 1	Feb 2017
NP 61 Pacific Islands Pilot Vol 2	Dec 2016
NP13 Australia Pilot Vol 1	April 2017

Our 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. MSI



The UK's principal responsibility within the SWPHC region is for its British Overseas Territories of the Pitcairn Islands (Pitcairn, Henderson, Ducie and Oeno Islands), and those Commonwealth of Nations countries where the United Kingdom undertakes primary charting, including Fiji, Kiribati, Solomon Islands,

Tuvalu, and Vanuatu. UK maintains close liaison with the NAVAREA Co-ordinators for NAVAREAs X (Australia) and XIV (New Zealand), which cover the SWPHC area. Any information received at UKHO which requires urgent promulgation is passed to the respective NAVAREA Co-ordinator on a 24 hr basis.

With the exceptions of Australia and New Zealand, GMDSS coverage in the SWPHC region is generally sparse and administrations should be encouraged to develop their capabilities and infrastructure and to provide at least Phase One hydrographic capability to promulgate navigational warnings in a timely and efficient manner in their coastal regions, or to utilise the communications facilities of the NAVAREA X and XIV Co-ordinators.

Assistance with 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

As described in the UK Generic National Report, we are 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.

We have also provided assistance to update C-55 entries to other countries, where we retain 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. We request that we are contacted by any country, where we have helped in providing the data previously for C-55, which now requires further assistance.

7. Capacity Building Offer of and/or demand for Capacity Building



We fully support the IHO CBSC 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. We will continue to contribute resources to both CBSC initiatives and to providing bilateral assistance. We are also fully supportive of the SWPHC CB initiatives, some of

which are truly innovative e.g. continuing programme risk assessments conducted by LINZ.

We attended the SWPHC CB meeting in Wellington, New Zealand in August 2016. The meeting was attended also by representatives from LINZ, AHS and SPC. Amongst other topics, activity under the CME programme was discussed with a view to minimising the chances of duplication of effort together with the overall coordination of the CB elements of PRNI, IHO and CME in the region.

We have two posts dedicated to capacity building - an International Capacity Building Coordinator (ICBM) and an International Hydrographic Projects Manager (IHPM). Key objectives are to ensure that capacity building is properly considered in UKHO activity and that UKHO's capacity building activities are fully coordinated.

ICBM acts as the initial point of contact for UKHO involvement in IHO capacity building activities, including UK involvement in regional hydrographic commission initiatives and IHO Capacity Building Sub Committee (CBSC) activities. 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, SAIHC and RSAHC regions.



Mr Sam Harper is the IHPM and acts as the initial point of contact for UKHO capacity building activities which involve the provision of hydrographic surveying services and the developments of Hydrographic Governance. Further information can be obtained from Mr Harper (samuel.harper@ukho.gov.uk)

A general description of training provided by us is included in the UK Generic National Report. Further details of the training opportunities offered by UKHO can be found on the UKHO website.

We strongly supports the successful uptake of ECDIS using ENC, and are happy to assist other nations to produce, maintain and distribute ENCs. Details of courses, sponsorship, venues and options for bespoke training provided by us are included in the UK Generic National Report.

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.

a. Commonwealth Marine Economies (CME) Programme

In November 2015 the British Prime Minister announced a £5.6million package of measures to help small island countries reduce poverty by preserving their marine environments and making best use of their maritime resources. The Commonwealth Marine Economies (CME) Programme aims to support the sustainable growth of Commonwealth Small Island Developing States (SIDS) within the Caribbean, Pacific and Indian Ocean regions. The Programme will run for 1 year initially, with potential for further years.

The Programme is being delivered on behalf of the Foreign and Commonwealth Office (FCO) by a partnership of world-leading UK government marine expertise; UKHO, the Centre for Environment Aquaculture and Fisheries Science (CEFAS) and the National Oceanography Centre.

The main focus of the pilot year activity has been to capture, as fully as possible, the current status of the blue economies of the SIDS in scope, and to develop hydrographic action plans that can either be serviced by future years of the CME programme or by other funding/CB activities. In addition to this, we have carried out a number of data gathering activities in the Caribbean and is looking into the feasibility of replicating this in the Pacific in early 2017.

b. Overseas Territories Seabed Mapping Programme

We have been successful in receiving central government funding to assess and redress the deficit of bathymetric data and lack of sound hydrographic governance in the UKs Overseas Territories (OTs). This programme is currently in year one and is funded for a further three years. Again, year one is largely focused on understanding the requirements of the OTs, and we expect remedial survey and capacity building activity to commence in year two. Of relevance to the SWPHC is that we have begun the assessment of the requirements of Pitcairn, with particular focus on the increasing cruise traffic that the island experience.

8. Oceanographic activities

This is described in the UK Generic National Report.

9. Other activities

The IHO theme for the 2016 World Hydrography day was;

“Hydrography– the key to well-managed seas and waterways”

The UK celebration of WHD 2016 was hosted by the International Maritime Organization as an evening reception at IMO Headquarters, London in July 2016. 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.



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 our 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.



As part of the events to mark the 2016 World Hydrography Day in June, we 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 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).

In celebration of World Hydrography Day, we previously 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, the Chief Hydrographer of the 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. Conclusions



We continue our commitment to carrying forward hydrographic activities through the work of the IHO's Regional Hydrographic Commissions, and note that each commission has its own particular opportunities and challenges.

The UK, through 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.

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

We have made a concerted effort over the past eighteen months to identify opportunities for funding to conduct Hydrographic surveys and capacity building throughout our extensive PCA portfolio. Through the CME Programme and the OTs Seabed mapping programme we have made a positive start and we look forward to exploiting these opportunities to increase our work in the Pacific region.

Taunton

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