



UNITED KINGDOM NATIONAL REPORT

To the

13th SOUTH WEST PACIFIC
HYDROGRAPHIC COMMISSION (SWPHC)
MEETING

Rarotonga, Cook Islands
25 – 27 February 2015

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 SWPHC 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 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.

UKHO Governance and Targets

1.2 This is described in the UK Generic National Report to the IHO, see www.ukho.gov.uk → About Us → Role & Purpose → UK National Report

UKHO Organisation

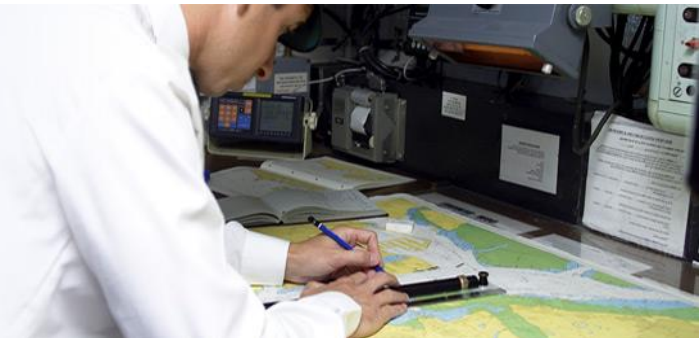


1.3 Details of the UKHO's organization are provided in the UK Generic National Report (section 1) together with general contact details. Specific contact details relevant to the SWPHC region are included at the end of this report.

Production Systems

1.4 This is described in the UK Generic National Report to IHO.

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 During the summer of 2014, UKHO supported the Secretariat of the Pacific Community in the NZ Aid funded surveys of Vanuatu. UKHO produced Hydrographic Instructions and Specifications for the surveys, advised on survey planning, supervised the mobilisation and provided ongoing survey oversight. The data is currently being validated by the UKHO and will soon be incorporated into the charts of the area.

2.3 Following the successful initial deployment of the SPC survey team in Vanuatu, the Government of Vanuatu commissioned a second data gathering exercise. As with the previous surveys, UKHO developed Hydrographic Instructions covering the four new sites and committed to providing ongoing survey support.

2.4 Any requests for survey assistance from nations within the SWPHC 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 (Mr Sam Harper, International Hydrographic Projects Manager). 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 (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 SWPHC region

Paper Charts



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

2 new chart adoptions from the Australian (AUS) series and 53 new editions of charts previously adopted.

1 new adoption and 2 new editions of charts previously adopted from the New Zealand (NZ) series.

In addition, the following 8 charts have been published. (Some of these were published to update the lines of equal magnetic variation shown on the charts).

Chart	INT No.	Title	Publication Date
2462	6899	Noumea	24/10/2013
2463	6883	Approaches to Noumea	24/10/2013
2465	-	Ile Ouen to Iles des Pins	24/10/2013
1436	-	Plans in Tahiti and Morea	31/07/2014
4061	61	South Pacific Ocean	09/05/2013
4602	602	Tasman and Coral Seas	23/01/2014
4603	603	Australia North Coast	27/03/2014
4604	604	Coral and Solomon Seas	27/03/2014

The following New Charts and New Editions are planned:

VANUATU: New Editions of charts 1638 (Plans in Northern Vanuatu) and 1494 (Éfaté and Plans) are planned for FY2014-15. New Editions 1581 (Islands and Anchorages in Southern Vanuatu) and 1577 (Plans in Central Vanuatu) are planned for publication during FY 2015/16

KIRIBATI: New Charts; 714 (Plans in the Phoenix Group and Northern Line Group), 729 (Plans in the Gilbert Islands) and 730 (Maiana to Marakei) together with New Edition 731 (Gilbert Group) are planned for publication before the end of March 2015. New Charts 4626 (INT626) and 4652 (INT652) are planned for publication during FY2015-16.

FIJI. New Chart 747 (Navula Passage to Yasawa Islands) will be published during FY 2015/16

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 SWPHC region.

ENCs

3.4 Within the SWPHC Region, UK has published 99 ENC cells.

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

SWPHC Region	
ENC Usage Band	Number of GB ENC's
Usage Band 1	5
Usage Band 2	20
Usage Band 3	23
Usage Band 4	25
Usage Band 5	24
Usage Band 6	1
Total Number of ENC'S	99

A detailed listing is available, if required.

GB Coverage of General (Band 2), Coastal (Band 3), Approach (Band 4) and Harbour (Band 5) Cells, in western part of SWPHC Region (i.e. West of 180°): see Figure 1.

GB Coverage of General (Band 2), Coastal (Band 3), Approach (Band 4) and Harbour (Band 5) Cells, in eastern part of SWPHC Region (i.e. East of 180°): see Figure 2.

Figure 1:

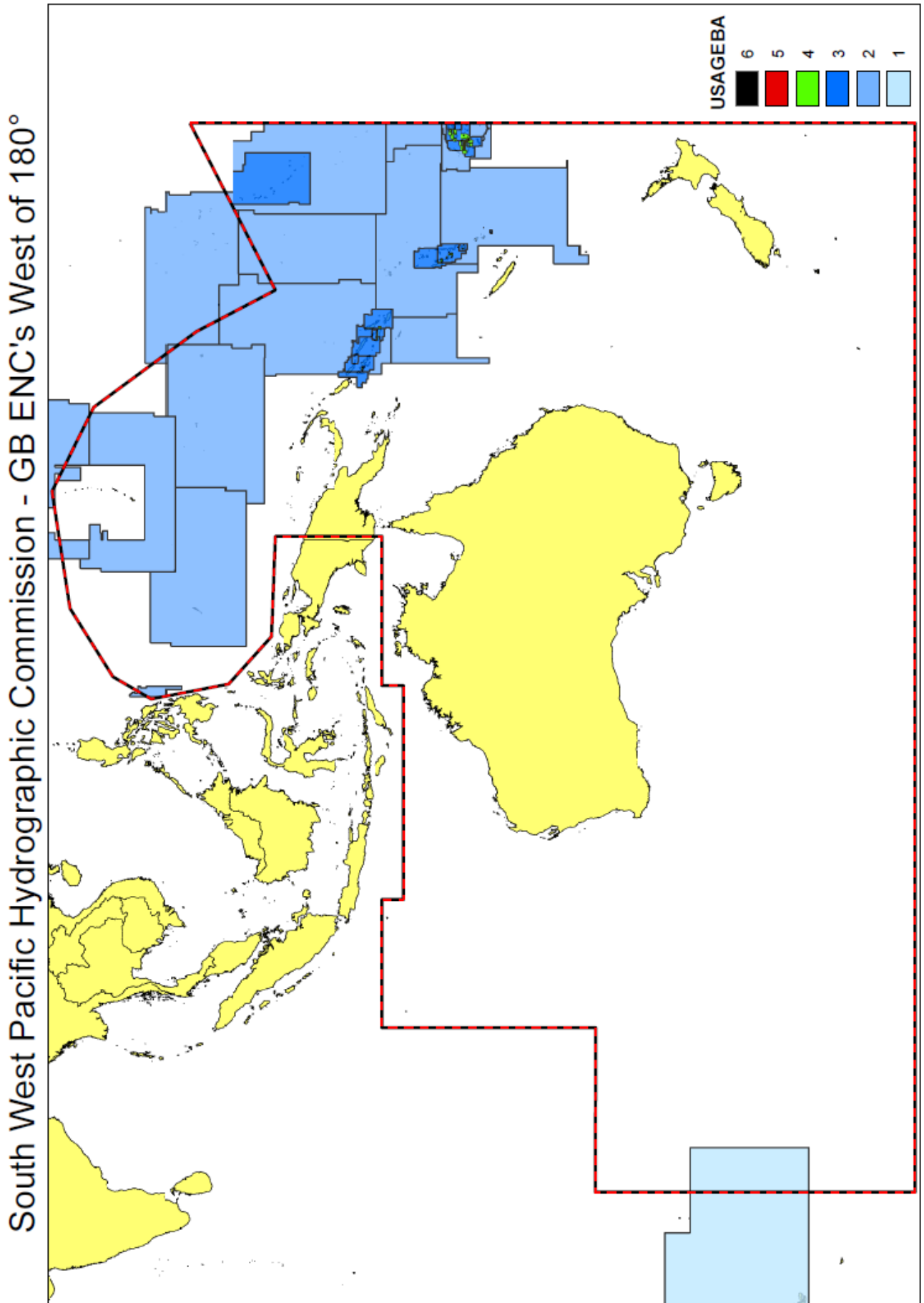
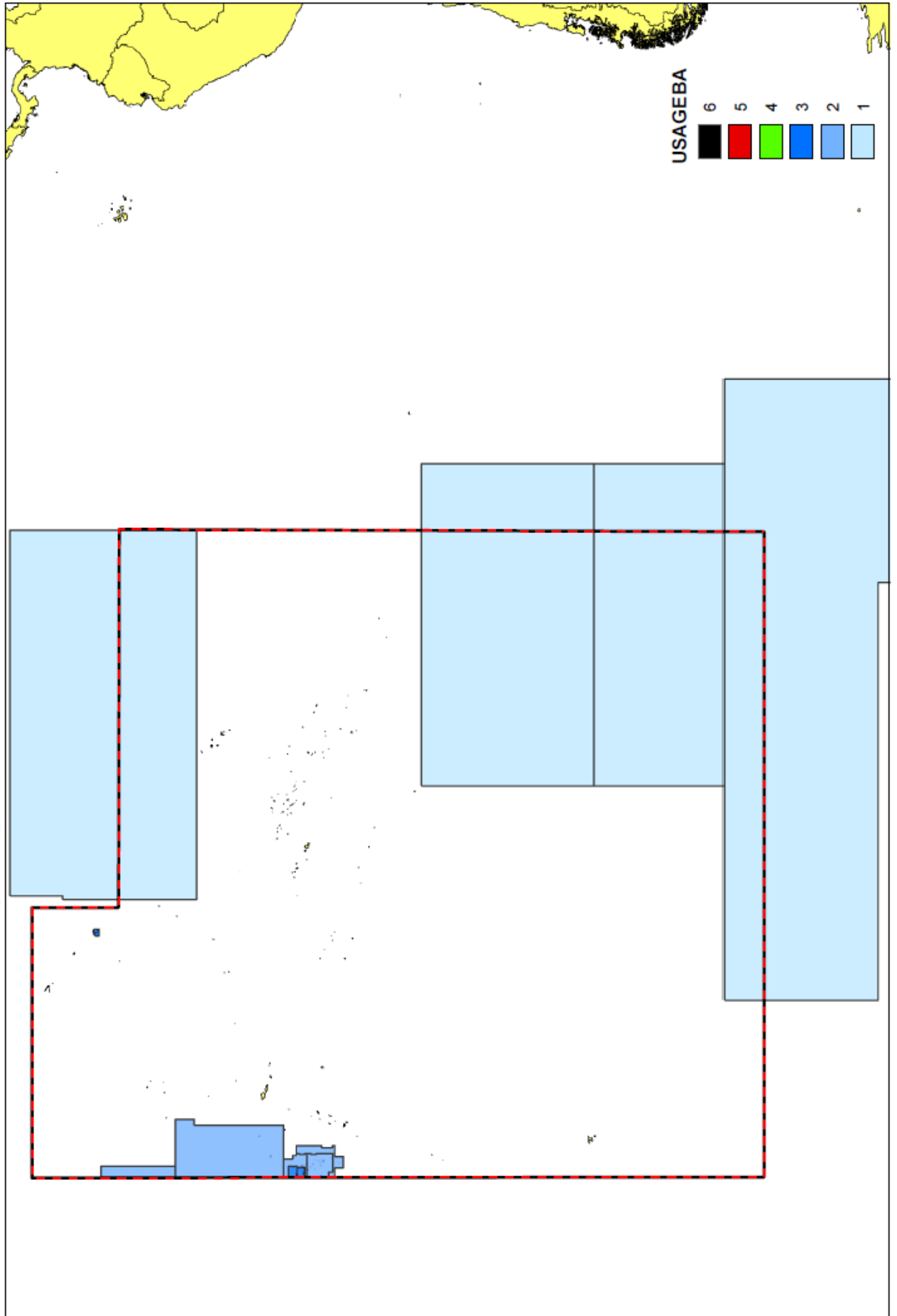


Figure 2:

South West Pacific Hydrographic Commission - GB ENC's East of 180°



ENC Distribution

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

4. PUBLICATIONS

4.1 Paper publications



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

New Editions Published since last SWPHC meeting:

NP 13 Australia Pilot Vol 1	Fourth Edition 2014
NP 34 Indonesia Pilot Vol 2	Seventh Edition 2014
NP 35 Indonesia Pilot Vol 3	Sixth Edition 2013
NP 62 Pacific Islands Pilot Vol 3	Thirteenth Edition 2013

New Editions to be Published:

NP 14 Australia Pilot Vol 2	May 2016 (current edition 2013)
NP 15 Australia Pilot Vol 3	Nov 2015 (current edition 2012)
NP 51 New Zealand Pilot	Dec 2015 (current edition 2010)
NP 60 Pacific Islands Pilot Vol 1	Feb 2017 (current edition 2012)
NP 61 Pacific Islands Pilot Vol 2	Mar 2016 (current edition 2011)

4.2 Digital publications



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 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.

5.2 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.

5.3 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 (previously known as S-55) LATEST UPDATE

6.1 As described in the UK Generic National Report, UK 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, where the UKHO retains 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. If any country where we have helped in providing the data previously for C-55 requires assistance please do not hesitate to contact us.

7. CAPACITY BUILDING

7.1 UK fully supports 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. UK will continue to contribute resources to both CBSC initiatives and to providing bilateral assistance. UKHO is also fully supportive of the SWPHC CB initiatives some of which are truly innovative e.g. risk based assessment of Vanuatu.

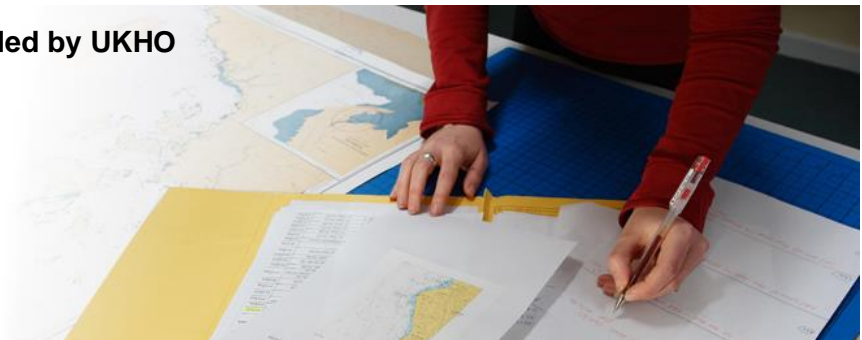
7.2 UKHO attended the SWPHC CB meeting in Wollongong in August 2014. The meeting was attended by representatives from LINZ, AHS and SPC. Amongst other topics, the concept of an open source risk assessment methodology was discussed, with the merit in principle unanimously acknowledged. At the last MACHC meeting in Manzanillo, Mexico, UKHO was tasked with forming a correspondence group to put together the requirements of such a tool, ahead of seeking special project funding from IRCC.

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

7.4 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. There is 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, SAIHC and RSAHC regions.

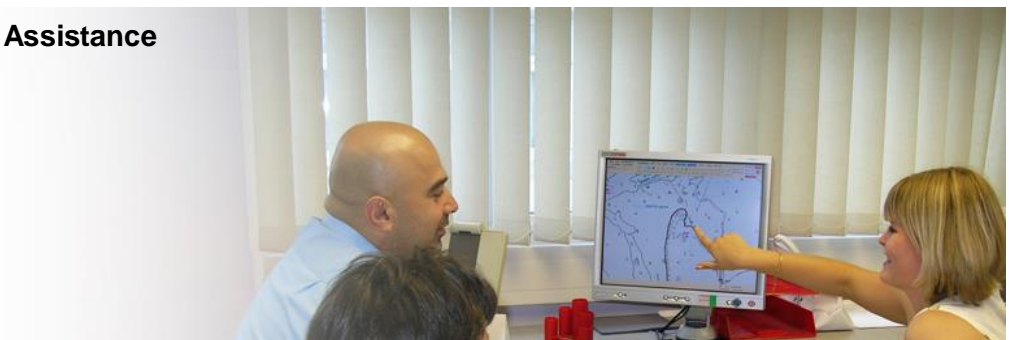
7.5 Mr Sam Harper is the IHPM and acts as the initial point of contact for UKHO capacity building activities which involve the provision of hydrographic surveying services. Further information can be obtained from Mr Harper (sam.harper@ukho.gov.uk)

Cartographic Training provided by UKHO



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

ENC Training and Assistance



7.7 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.

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

7.8 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

The IHO theme for the 2014 World Hydrography day was

“Hydrography - much more than just nautical charts”

9.1 The UKHO celebrated World Hydrography Day 2014 at a reception held at the Department for Environment, Food and Rural Affairs, London on 23rd October 2014, hosted by the Parliamentary Under Secretary of State for farming, food and marine environment Mr George Eustice and Mr Ian Moncrieff CBE (Chief Executive, UKHO) and Rear Admiral Tom Karsten (National Hydrographer, UKHO).



9.2 This year our co-hosts were the UK Government Department for Environment, Food and Rural Affairs, the biggest users of hydrography in the UK for non-navigational purposes.

9.3 Our guests were 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 was made to this year's winner, Captain Peter Kortenoeven, Hydrographer of the Royal Netherlands Navy. 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

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 SWPHC area, through its primary charting and through its continuing interest in developing regional hydrographic self-sufficiency through capacity building measures.

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

10.4 The provision of adequate ENC coverage, in support of the IMO carriage requirement for ECDIS that is coming progressively into force, presents a significant challenge.

Taunton, January 2014

UKHO POINTS OF CONTACT

UKHO Website: www.ukho.gov.uk

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NP14 – Australia Pilot Volume 2
NP15 – Australia Pilot Volume 3
NP39 – South Indian Ocean Pilot

NP51 – New Zealand Pilot
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