



UNITED KINGDOM

NATIONAL REPORT

12TH MESO AMERICA AND CARIBBEAN SEA HYDROGRAPHIC COMMISSION (MACHC) MEETING

BASSETERRE, ST.KITTS & NEVIS
6th – 9th December 2011

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 MACHC 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 → 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 MACHC 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 surveys, and has been considerable successful in promoting co-operation between these organisations.

2.2 Any requests for survey assistance from nations within the MACHC 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 involvement in Regional Hydrographic Commission initiatives. Further information can be obtained from Mr. Bob Wilson (robert.wilson@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 MACHC 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 MACHC region.

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

GB Chart Number	INT Chart Number	Title	Published
474		Port of Spain and Approaches	Nov 2010
3684		Port of Palm Beach with Approaches to Port Everglades	Nov 2010
3183		Approaches to Galveston Bay	Dec 2011
1044		Trinidad and Tobago to Archipelago Los Testigos including Grenada	Jan 2011
1045		Approaches to Trinidad and the Rio Orinoco	Jan 2011
2434		Bahia de Cartagena	Jan 2011
3847		Approaches to Tampa Bay	Jan 2011
3848		Tampa Bay	Jan 2011
3854		Freeport to Calcasieu Pass	Jan 2011
1940		Salina Cruz and Approaches	Feb 2011
397		Porto de Belem and Approaches	Feb 2011
4802	802	United States and Mexico	Feb 2011
1961		Ports and Anchorages in Golfo de Fonseca	Mar 2011
372		Ports in the Gulf of Campeche	Mar 2011
1520		Canal de Maracaibo - Northern part	Mar 2011
1521		Canal de Maracaibo - Southern part	Mar 2011
3850		Galveston Bay to Ship Shoal	Mar 2011
42		Guaymas and Mazatlan	May 2011
1979		Manzanillo and Approaches	May 2011
3111		Atlantic entrance to Panama Canal including adjacent ports	May 2011
502		Harbours and Anchorages in Barbados	July 2011
1025	4182	Anguilla to Guadeloupe	Aug 2011

GB Chart Number	INT Chart Number	Title	Published
1401		Southern Approaches to the Panama Canal	Aug 2011
3186		Houston Ship Channel - Pelican Island to Barbours cut	Sept 2011
1946		Quetzal and Acajutla	Sept 2011
2261		Puerto Barranquilla and Approaches	Sept 2011
374		Mexico – East Coast Ports	Nov 2011

The following charts have been published since the last MACHC meeting as New Editions with revised magnetics /isogonals or converted to WGS84 Datum:

GB Chart Number	INT Chart Number	Title	Published
2710		Delaware Bay to Straits of Florida	Nov 2010
4401	401	Gulf of Mexico	Nov 2010
4400	400	The West Indies	Dec 2011
4216	216	North East coast of South America	Dec 2011
520		Cayenne to Sao Luis	Mar 2011
4403	403	South East coast of North America including the Bahama Islands and Greater Antilles	Mar 2011
371		Northern Martinique	Mar 2011
494		Southern Martinique	Mar 2011
804		Pointe-a-Pitre and Approaches	Mar 2011
517		Trinidad to Cayenne	June 2011
4022	22	South America to Africa	June 2011
4050	50	North Pacific Ocean - North Eastern part	June 2011
4062	62	South Pacific Ocean - Eastern part	Sept 2011
4012	12	North Atlantic Ocean - Southern part	Sept 2011
4020	20	South Atlantic Ocean - Western part	Sept 2011

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

GB Chart Number	INT Chart Number	Title	Provisional Date
1520		Canal de Maracaibo - Northern Part	Dec 2011
1276		Bahia Santa Marta to Punta Canoas	Jan 2012
1218		Cuba to Miskito Bank	Feb 2012
1220		Gulf of Honduras and Yucatan Channel	Feb 2012

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 MACHC region.

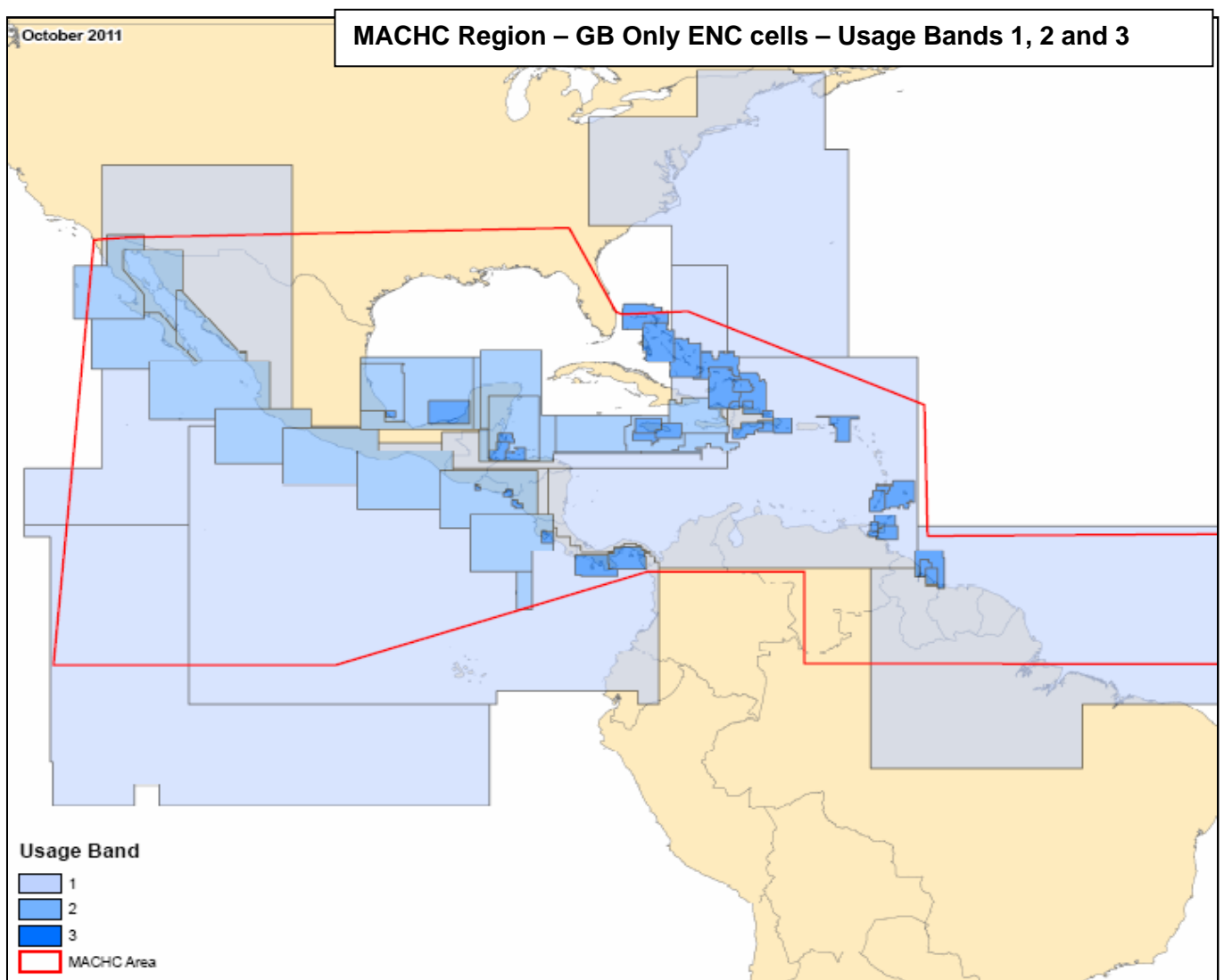
ENCs

3.4 Within the MACHC Region, UK has published 197 ENC cells and 0 cells are in progress.

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

MACHC Region	
ENC Usage Band	Number of GB ENC's
Usage Band 1	8
Usage Band 2	20
Usage Band 3	39
Usage Band 4	57
Usage Band 5	73
Usage Band 6	0
Total Number of ENC'S	197

The diagram below shows the current status of UK ENC's within the MACHC 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).

4. PUBLICATIONS

4.1 Paper Publications



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

NP5	South America Pilot Vol 1	(17 th edition, published 23/2011)
NP6	South America Pilot Vol 2	(17 th edition, published 17/2009)
NP7	South America Pilot Vol 3	(10 th edition, published 41/2009)
NP7A	South America Pilot Vol 4	(5 th edition, published 18/2010)
NP8	Pacific Coasts of Central America & United States Pilot	(12 th edition, published 29/2010)
NP69A	East Coasts of Central America & Gulf of Mexico Pilot	(5 th edition, published 23/2009)
NP70	West Indies Pilot Vol 1	(4 th edition, published 46/2008)
NP71	West Indies Pilot Vol 2	(16 th edition, published 06/2009)

New Editions to be published in next twelve months

NP69A	East Coasts of Central America and Gulf of Mexico	(6 th edition, due Jun 2012)
NP70	West Indies Pilot Vol I	(5 th edition, due Apr 2012)
NP71	West Indies Pilot Vol II	(17 th edition, due Dec 2012)

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

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.

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 MACHC region is for its British Overseas Territories (BOT's – namely Anguilla, British Virgin Islands, Cayman Islands, Montserrat, Turks & Caicos Islands), and those Commonwealth of Nations countries where the United Kingdom is the primary charting authority, including Antigua & Barbuda, The Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Jamaica, Saint Lucia, St.Kitts & Nevis, St.Vincent & The Grenadines, Trinidad & Tobago. UK maintains close liaison with the NAVAREA Co-ordinators for NAVAREAs IV and XII which cover the MACHC area. Any information received at UKHO which requires urgent promulgation is passed to NAVAREAs IV or XII co-ordinators.

5.2 With the exception of the USA, GMDSS coverage in the MACHC 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 MSI in a timely and efficient manner through communication with area co-ordinators of navigational warnings and with charting hydrographic offices.

6. C-55 (previously known as S-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, including Anguilla, British Virgin Islands, Cayman Islands, Montserrat, and Turks & Caicos Islands, all within the MACHC area. 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, including Antigua & Barbuda, The Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Saint Lucia, St.Kitts & Nevis, St.Vincent & The Grenadines, and Trinidad & Tobago, where the UKHO provides 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 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.

7.2 UK has participated in numerous technical visits and workshops, in several RHC regions. The UKHO delivered the 8th MSI Capacity Building Training Course at the Diretoria de Hidrografia e Navegação (DHN), Niterói RJ, Brazil in May 2011 at which the MACHC was represented by participants from member states Antigua & Barbuda, Colombia, and Suriname, and also MACHC Observer states British Virgin Islands and Grenada.

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

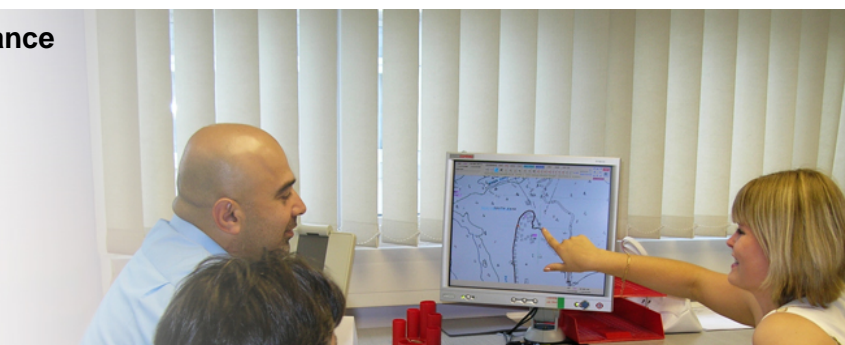
Overseas Territories and liaison with UK's Foreign and Commonwealth Office and with overseas High Commissions to generate phased development of capability and new survey activity. Further information can be obtained from Mr. Jeff Bryant (jeff.bryant@ukho.gov.uk). Mr. Bryant is the Capacity Building Coordinator 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 2011 World Hydrography day was "Human resources – The important element to the success of Hydrography".

The UKHO celebrated World Hydrography Day 2011 at a reception held on board HMS PRESIDENT in London on June 22, hosted by Mr Mike Robinson (Chief Executive, UKHO) and Rear Admiral Nick Lambert (National Hydrographer, UKHO).



The annual presentation of the Alexander Dalrymple award was made at the reception and this year presented to US National Geospatial Intelligence Agency Hydrographer, Rear Admiral

Chris Andreasen, for his outstanding contribution to Hydrography. The award is a symbol of recognition for outstanding dedication and contribution to world 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.

Building on the theme of this year's World Hydrography Day Celebrations, and in order to recognise the importance and significance of the contribution of Hydrographic Staff to the success and recognition of Hydrography, the UKHO hosted a celebration in recognition of its staffs' contribution to the success of World Hydrography on Friday, September 16.

10. CONCLUSION

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.

UK has a strong commitment to the Caribbean Sea, through its primary charting and through its continuing interest in developing regional hydrographic self-sufficiency through capacity building measures.

Records relating to port and shipping statistics, and to port audits, are the prerogative of the local BOT authorities, as the compilation of such figures from local sources has not been part of UKHO activities.

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 Caribbean Sea cruise-ship 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.

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 MACHC region as well as others.

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

Taunton, November 2011

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