



South-West Pacific Hydrographic Commission

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SWPHC CL 9/2007

MINUTES of the 8th meeting of the SWPHC Papeete, TAHITI

19-20 SEPTEMBER 2007

Participants

Country	Representatives	ID
Australia	Captain Rod Nairn, Hydrographer Australia	AUS
France	Ingenieur general Gilles Bessero, Chief Executive of SHOM, National Hydrographer	FR
France	Ingenieur en chef Yves Guillam, SHOM, Head of Plans, Policy and External Relations	FR
France	Lieutenant Helene Lecornu, SHOM, Head of Public Information	FR
France	Ingenieur principal Denis Creach, SHOM, Head of the Pacific Oceanographic Group (GOP – New Caledonia, French Polynesia, Wallis and Futuna)	FR
France	Major Thierry Dervin, Head of SHOM/GOP Hydrographic Operational Unit in Papeete	FR
New Zealand	Mr. John Spittal (Chair), National Topographer / Hydrographer	Chair
New Zealand	Mr Richard Murcott (Secretary) Manager Geospatial, LINZ	NZ
Tonga	Lt Cdr SioSiua Fifita, Hydrographer of Tonga	TGA
Solomon Islands *	Mr Pascal Ohoau, Dept Infrastructure & Development	SOL
United Kingdom	Dr Rob Hensley, UK Hydrographic Office	UK
United States	Ms Heather M Wall, NAVOCEANO Liaison to COMPACTFT	USA
IHB	Captain Rob Ward, Director	IHB
* non-member state observing for the first occasion		

Apologies

Fiji

Felix Maharaj, Chief Hydrographer



8^{ème} réunion de la Commission Hydrographique du Pacifique Sud-Ouest
8th meeting of the South West Pacific Hydrographic Commission

Papeete, Tahiti, France
18 – 20 septembre 2007



Sketch showing IHO Regional Hydrographic Commissions.
Extent of the **SWPHC** area shown in **orange**



Delegates and Officials

Minutes

1. Welcome & Opening Remarks

(Chair)

Ingenieur General Gilles Bessero, Director SHOM, welcomed the participants and gave an overview of SHOM activities in the Pacific. Then he invited M. Michel SALLENAVE, Deputy General Secretary of the representative of the French government in French Polynesia, and Ms Nathalie METZLER, Chef de l'Arrondissement Maritime et Aéroports, to address the Commission, formally welcome delegates, and open the meeting.

Mr John Spittal, Chair, replied with an outline of three key objectives for the 8th meeting of the SWPHC. These were :

- working more effectively with others in the Pacific
- deriving a view on capacity building in the Region
- organizing for the new IHO organizational structure so that the Commission has an effective role.

2. Confirmation of Agenda

(Chair)

UK suggested a new Agenda item to *Review of Statutes of the SWPHC* (added as #7, to occupy a gap in the published (final) Agenda sequence)

Moved Agenda #2 to be responded to as part of Agenda #24

AUS. suggested clear demarcation was necessary between the numerous CBC issues at Agenda items #9,#10,#11,#12,#13 and #14.

2a Election of Chair and Vice Chair and date and place of next meeting

(Chair)

[Agreed](#) to deal with this item under Agenda #24

3 Review of Action Items from the 7th SWPHC Conference (Wellington - November 2005)

(All Members)

Members reviewed the minutes of the 7th meeting. There were no corrections. The Chair declared the minutes to be a true and correct record of that meeting.

The meeting then reviewed the actions arising.

Action #2: AUS declared they may have identified potential gaps in the small scale chart scheme

FR commented on INT61 and conclusions they had drawn concerning doubtful shoals in the FR/NZ gap [see CD: hautsfonds douteux2.ppt]. The shoals are very unlikely. They are located well off the main traffic lanes. There is no urgency to investigate the FR / NZ gap.

Action #3: UK planning production in 2009

Action #7: France has provided the copy of the French- Monégasque agreement - in French language.

Action #8: concerned the status of hydrographic authority (regulation). NZ advised that the action upon it had not been completed before this meeting. However the information was now available and would be provided at this 8th meeting.

AUS commented on similarities with a recent IHB CL.

Responses from CL 41 and 60/2007 are being collected and will be published in IHO Publication M-16 in due course.

Action #10: not completed

[NZ agreed](#) to follow-up this action which was for Tokelau to advise NZ of the location of reported chart deficiencies for Chart NZ 885.

Action #11: AUS inquired if SOPAC provided their programme of work on a website?

Action #12: concerned advance SOPAC survey work programme. NZ and AUS declared they had yet to determine if it was possible to coalesce SOPAC and hydrographic needs.

Action #14: SOL and TGA confirmed their desires for copies of the following documents: NZPHSG, S44, MBES Standard.

[Chair to provide](#) to the SWPHC members, and ascertain if the documents have also been provided to SOPAC.

Action #15: AUS reported they submitted M11 updates/amendments to IHB. But supplementary data followed from France.

It was [agreed](#) to continue to provide M11 updates to Australia.

4 Exchange of information through National Reports (All Members)

- US Naval Oceanographic Office Capabilities Brief
(USA)

The SWPHC members present represented their national reports. (*please refer to these; only some highlights from discussions are recorded below*)

TGA has one new chart.

SOL This was the first SWPHC meeting for the Solomon Islands. The report highlights the fundamental needs for capacity building [see CD: SolomonIslandsBriefReport.doc]. The hydrographic unit went defunct two years ago. They have not achieved much in the past 10-15 years.

IHB. Capt Ward has taken over from Adm Ken Barbor. Holds overview responsibilities for the SWPHC. Explained his willingness to lobby for the SWPHC, but emphasised he needs advice on the key issues. Capt Ward illustrated how he could provide influence at various diplomatic levels while engaged in other IHO business eg not far to travel to Brussels, etc. A big issue for the IHO Directing Committee is ENC production globally and the possible mandatory status for ECDIS.

He emphasised that it is very important to meet IHO goals in order to maintain MSO support of the IHO. It is important to find a way to enhance ENC production in the SWPHC's region.

FR highlighted that SHOM is now a public organisation. It's CEO must be qualified hydrographer. SHOM is ISO 9001:2000 certified.

AUS reported that the AHS became ISO 9001 certified in 2005. Spoke about piggy-backing on other opportunities and about initiating collaborative approaches that integrate with other government priorities or work programmes eg Maritime Safety Authority. Suggested a similar approach be considered by the SWPHC.

Commented on contracted surveys. Contactors are not always willing to take the risks in un-surveyed shallows, or dirty water, etc.

Training has a primary military focus. Therefore, it is challenging to feed in civilian trainees at the hydrographic school. FR questioned whether it was possible to apply for research or training exchanges ? AUS advised it has hosted external students but their status has been unclear. These have usually been arranged somewhat informally. Students who are not well sponsored / funded leads to administrative difficulties. Terms of agreement are desirable to make it easier for Defence to accommodate.

USA presented to the Commission on its organisational structures, capability and missions in the Pacific (*refer Powerpoint*)

5 Reports from other regional agencies and observers (IHB, SOPAC, SPC, etc)

Observer reports were provided during Agenda #4.

6 Reports on the Technical visit to PacMA and the Ministers of Transport Meeting, Samoa.

(Chair, IHB, Samoa.)

The Chair spoke to the Report on CBC Technical Visit to Samoa. The objective was to have hydrography more specifically recognised by maritime administrators in the region. The IHO representatives attended the 11th PacMA (Pacific Maritime Association) held in April 2007. It was noted that the Secretariat of Pacific Community (SPC) seems to have the IMO role for the Pacific.

AUS saw increasing awareness as generally good and supported liaison with PacMA.

It was noted that the PacMA Chair is very willing for SWPHC to join. Annual subscription of \$400.

Following the suggestion that the SWPHC Chair be tasked to represent the Commission at PacMA meetings, FR indicated a small reservation, on the basis of not wanting anything to discourage people taking-up the chair of the SWPHC (or commitment). FR suggested that this could be overcome by a local member representing the SWPHC on a case by case basis..

Members considered whether participation could be funded through a CBC contribution. Could the CBC fund a 'routine' commitment ? Would the unique conditions of the SWPHC Region help the CBC consideration ? Particularly noting this is a method to influence governments in the Region. It was highlighted that all key officials and Ministers are in the same location at the same time and that the SWPHC could leverage from PacMA meetings.

Resolutions of SWPHC regarding *liaison* with PacMA.

The Commission agreed :

- in principle to join the PacMA as an Associate Member
- that a member of the SWPHC represent the SWPHC
- that the Chair is to approach the CBC with a funding bid (initially) for costs associated with travel
- to invite the IHB to participate
- to invite PacMA to SWPHC meetings
- to share relevant documents
- to invite maritime administrators to join their hydrographic delegations at SWPHC meetings
- that in future, where appropriate, SWPHC meetings be scheduled in conjunction with PacMA meetings

Regarding *coordination* members

[Noted](#) the recommendations at item 5 in the report on the CBC Technical Visit to Samoa.

7 Review of Statutes of the SWPHC (*new item, proposed by UK*)

The meeting referred to the statutes of the SWPHC effective from 8 November 2005.

UK suggested the statutes should cross-reference IHO documentation. As the chart schema is on the IHO website it was proposed that there is no need to append a separate document to the SWPHC's statutes.

[Agreed](#) to remove "illustrated at Appendix 2" from item 1(b) of the SWPHC statutes.

8 Reports on CBC Meetings. (*Australia.*)

AUS presented a report on the last two meetings of the CBC held in Mozambique (CBC4) and Latvia (CBC5). He highlighted key outcomes and issues. Minutes of these meetings are available.

A lot of CBC activity has been undertaken but little in the SWPHC Region.

The meeting reviewed the CBC work plan to help increase appreciation of the type of activity that is funded by the CBC. It was highlighted that the focus of the CBC is on 'enabling funding' ie contributory funding to members who are already largely committed to an activity.

AUS draw attention to the assessment criteria for definition of appropriate hydrographic capability (Annex B, IHO Capacity Building Strategy; [8 CBC_Strategy 2007.pdf]. These help quantify the level at which CBC assistance would be appropriate.

Reported that a donors' conference was put on hold. It was decided that it was too early to try to identify countries willing to contribute to CBC funding.

Conclusions :, there is ...

- recognition of the importance of technical visits
- the need to follow-up
- a need to consider partnering with other organisations
- a recognition that funding recipients must be committed in order to make the CBC contribution worthwhile

AUS noted that the East Asian submission for CBC assistance is considered exemplar of what is required.

CBC5 Riga, Latvia

AUS commissioned a paper (made available to members) on how to tap into strategies for exploiting other funding or aid for potential assistance to hydrographic programmes.

An update of S-55 is fundamental to making submissions.

Prioritisation of bids to the CBC is now a focus because some regions have become experienced at making proposals to the CBC. Concerns exist that some submissions are including initiatives that fall beyond basic capacity building. The CBC is now concerned that all submission pass through a RHC. This highlights the need for RHC's to meet regularly, perhaps annually.

Work in progress includes developing weighting factors in a priority matrix. These weightings will apply atop of the matrix scorecard.

UK spoke to the letter from Capt Hugo GORZIGLIA dated 2 July 2007 concerning Decision 17 of the 17th IHC and the SWPHC Capacity Building Programme. This concerned the 'flexibility concept' that was proposed by the UK to the 17th IHC.

AUS clarified that this could encompass relatively small assistance initiatives, such as helping prepare a charting plan, etc. A two week secondment for example.

9 CBC funding allocated to SWPHC. (*Chair and Australia*)

It was noted that bids received by the CBC from Fiji and PNG were deferred.

Regarding €20,000 identified by the CBC, the Chair asked members to consider what this should be spent on. The Chair expressed a sense that there was a need for an overview of the basic capacity building needs in the region.

SOL. expressed the view that secondments are best; 6 months, 1 year, or 2 years to help nationals take over responsibilities.

TGA identified assistance to help communicate the economic benefits that hydrography brings to economies in the Pacific. There is a feeling that governments listen more to external advice.

The Chair proposed:

- a technical visit to the western part of the region ie PNG, Vanuatu, Solomon Islands
- follow-up visits and meetings to reinforce the development of hydrographic capacity ie back to Tonga, Fiji, etc. ... to advance the discussions at PacMA.

UK commented that there was general awareness that support was available. What was needed was better insight into the issues across the region and increased understanding of the processes to unlock resources.

FR suggested to identify sustainable targets for the Capacity Building in the SWPHC area, based on the shortfalls, incidents, reports from ships (inadequacies in charts, etc). The key question is "*do we have a good overview of the situation in this area?*" What problems are being faced on a day-to-day basis ? ie on a pragmatic basis what can the SWPHC do to build capacity ?

IHB commented that this region is dealing with Phase 0, let alone Phase 1 capacity building issues. There is a need to raise awareness governmental and senior administration level so that any capacity building initiatives are properly supported in-country and at the same time identify what are appropriate tasks to address through capacity building.

AUS tabled a handout – DRAFT “Capacity Building Committee - Procedure 1”

TGA noted that when talking to Ministers, who have many portfolios, they may never get to understand hydrography. Therefore there is a need for follow-up technical visits with visits to lower level officials. In Tonga there is a need to assist win the business case to acquire some software and hardware for positional capability on their vessel.

SOL confirmed they are starting from 0 (zero). Assistance is needed to define what is needed, a gaps analysis, etc. They had systems in place in the 1980’s and early 1990’s, but things have fallen into abeyance since then.

Given the objective to leverage on the initial meeting with PacMA (Samoa, April 2007) and specifically to engage at both the government administration level as well as at the local maritime/hydrographic operational level it was

Agreed the Chair will promulgate a formal letter to appropriate national representatives in the PacMA.

Members recommended use of the list of nations from S-55.

Agreed that the PacMA representatives to address the letter to are those within the extents of the SWPHC region.

Agreed a copy of the letter to also be sent to the hydrographic authority of each of these jurisdictions.

Agreed a copy of the letter, for information, be sent to all SWPHC members, the SOPAC Secretariat, and IHB (Directing Committee).

Members considered the IMO interests in this initiative and representation within the SWPHC Region (if any). Also whether this could this arouse support for other funding.

Agreed to alert the IMO to this initiative.

Members considered enclosures for the letter to PacMA :

Agreed to introduce the CBC template for submitting funding bids.

Agreed to attach the CBC Strategy Paper Annex B Assessment Criteria for definition of appropriate hydrographic capability. The letter should explain that the SWPHC seeks this information to help baseline a Regional understanding of needs and priorities.

The suggestion was made to use a specific extract of the relevant S-55 data for each recipient / jurisdiction, and ask them to provide updates if any are required
Members considered this would help:

- evaluate proposals
- ensure alignment of bid with need
- SWPHC better identify shortfalls

Agreed to append an appropriate segment from S-55 to each letter.

Concerning content of the letter to PacMA members :

Agreed the letter will outline the opportunity presented by the CBC.

Agreed the letter will outline the role of the SWPHC. In this regard members considered it should explain why the SWPHC will review all submissions prior to delivery to the IHO CBC is not to act as a 'gate-keeper' but rather as a constructive appraiser adding supporting comments to accompany each bid, and helping ensure that consistent, objective assessment criteria are used.

Agreed the letter will set a deadline for replies. Members considered timing to be very important ie before the NZ Chair's term expires, and also needs to relate to the recent activities and initiatives of the RHC / IHB ie the travel to the PacMA meeting in Samoa). Also, members identified that it must be well in time for CBC consideration ie before end of March 2008

Agreed that the letter will ask that the SWPHC be informed of any other relevant initiatives being pursued by the jurisdiction.

10 SWPHC submission for regional assistance from CBC. (Australia)

AUS suggested that the most valuable submissions to the CBC from jurisdictions within this region will be achieved with support. Therefore, there may be a case to fund technical visits focussed on encouraging or facilitating submissions from SWPHC regional States.

It was agreed that the SWPHC should provide details to the IHB on implementation details for CBC previously endorsed technical visits.

11 Development of a prioritised list for capacity building projects. Submissions have been received from PNG and Fiji. (All Members)

The initiative agreed at Agenda #9 partly covered this.

In context with that discussion a question had arisen concerning whether the SWPHC has an adequate record of who has agreements with whom within the Region ? It was considered that perhaps the SWPHC needs this insight.

In any case the SWPHC needed to communicate back to PNG & Fiji regarding their submissions to the CBC.

Agreed that the Chair is to write to PNG and Fiji.

(also refer agendas #12 and #13)

12 Consideration of Fiji CBC funding assistance. (*Fiji and All Members*)

Members identified that one submission put by Fiji was in an appropriate CBC form. This was for technical assistance to establish a digital charting production system. The Commission discussed the approach concerning support for this bid.

FR considered that a first visit should aim to identify a sustainable solution, including maintenance, etc

IHB wondered who would provide terms of reference for the person who would be travelling.

AUS agreed there was a need to be specific. Perhaps needing a person who could assess both the organisational or political situation as well as the technical needs.

Chair commented that the Fiji Islands Maritime Safety Administration needed to be considered too. Also wondered if government foreign affairs could pose any barriers.

Agreed to support the bid from Fiji for technical assistance re a Digital Chart Production System

Agreed that a scoping exercise is needed to better identify what service Fiji requires

Agreed the Chair to recommend (to CBC) a technical visit preferably by one of the SWPHC members to assess whole of government commitment, ongoing support for maintenance, availability of financial resources for hardware and software and the overall effectiveness of the proposed initiative.

Agreed Fiji must demonstrate commitment to fund what they will need to purchase

Agreed that costs for an initial visit be submitted to CBC for funding; up to €4000.00 (noting that the cost will depend upon which member responds)

The members could not see a way to support the other submissions from Fiji (eg multibeam bid, etc). At agenda #11 members had directed the Chair to write to the hydrographer of Fiji concerning the RHC's assessments. with a copy to the Fijian administrator (Capt Rounds).

13 Consideration of PNG CBC funding assistance (if tabled). (*PNG and All Members*)

Members considered two bids from PNG.

Concerning the cartography training, members noted the bid had been overtaken by time. This bid concerned a terrestrial mapping course which was considered to not be as *highly* relevant to hydrographic offices.

On a second request by PNG the Commission believed it could have been satisfied by assistance already provided by the Australian Hydrographic Service (July 2007).

14 CBC request for evidence of the benefits of capacity building in the SWPHC Region. (Chair)

Members considered the letter to the SWPHC Chair, dated 2 July 2007. This followed the 5th Meeting of the IHO CBC and concerned *Analysis of Historic Support for RHC Capacity Building Activity*.

AUS clarified that feedback of any kind is desired. It was noted that fact that the Solomon Islands was represented at this meeting was a tangible result from the PacMA technical visit earlier in the year. During that visit it was Tonga's first opportunity to speak with the Minister.

FR recommended that NAV area coordinators be asked to assess the status of existing arrangements within their area for providing nautical information.

FR gave a presentation [see CD: 8 france - arrangementbilateral.ppt] which illustrated assistance France is providing to charting in other nations (25 countries). Related to the SOLAS convention (2002) it revealed the approach France is following to promote the transition of responsibilities (and capacity to undertake processes) to IMO member states.

AUS commended the presentation by FR and affirmed how it aligns with the objectives of the CBC.

IHB reminded the members of the paper from Prof Peter Ehlers published in the International Hydrographic Review which provided a legal opinion that SOLAS has a legal binding status on all maritime nations who belong to IMO. Therefore IMO participating nations have a legal obligation (under SOLAS V Reg 9) to deliver hydrographic services and information.

USA advised on seeking assistance from the Fleet Survey Team. There is a limited budget. Prioritise accordingly. It was considered that would be necessary to target the SWPHC and to promote this region for inclusion into the priority list. Presumably achieved via the Defence Attaché. It was noted that the officer in command of the Fleet Survey Team is an IHO CBC member.

Agreed Chair is to reply to CBC's request for evidence with reference to the PacMA and how other measures may potentially be brought into play.

Agreed that members should ask NAV Area Coordinators to assess status of existing arrangements within their area for providing nautical information (as per S-55).

Agreed USA to provide details on a way forward or methodology for seeking US capacity building assistance.

15 Reports on XVII IHO Conference, May 2007.
(Australia, France, NZ, PNG, Tonga, UK, USA.)

Chair represented his report on the conference. [see CD: XVII Conference Summary.ppt]

UK commented on Decision 22; establishment of a working group on marine spatial data infrastructure (MSDI) development. It was agreed that metadata developments should be monitored.

Secretary (NZ) briefed members on geographic information metadata developments in Australasia [refer: www.anzlic.org.au]. He commented on development of:

- a profile of ISO 19115 (the *ANZLIC Metadata Profile*);
- Guidelines; extensive documentation for the use of metadata;
- XML schema which support implementations of the full scope of ISO 19115 [not only incorporating ISO 19139 XML (for *datasets*) but extended to XML for *non-dataset* information resources, and introduces XML *schematron* to manage logical relationships between metadata records], and
- a free, online, extensible metadata entry and editing tool (MET). [for example, could possibly extend the existing open-source GeoNetwork online tool].

IHB concerning ratification of the protocol of amendments to the IHO Convention. The question was put whether any SWPHC IHO members require any advice or assistance.

AUS wondered if there were ways to weave into ratification processes by governments, a way to also get appropriate authority for representation.

Agreed that UK (involved with marine infrastructure development, MSDI) would keep in contact with Australasian metadata developments (via www.anzlic.org.au)

Agreed that UK would represent SWPHC in the IHO Working Group on Hydrographic Community Inputs to National Spatial Data Infrastructures

Resolved in accordance with decision 23 at the XVIIth International Hydrographic Conference, the SWPHC requests the IHB to actively engage its member states in the Region to ratify the new IHO convention

16 Election of the SWPHC representative for the IHO Strategic Planning Working Group (ISPWG). (Chair)

Earlier in 2007 Chairmen of RHCs were requested to select a member to represent the Commission in the ISPWG and inform the IHB.

Agreed Australia will represent the SWPHC on the IHO Strategic Planning WG.

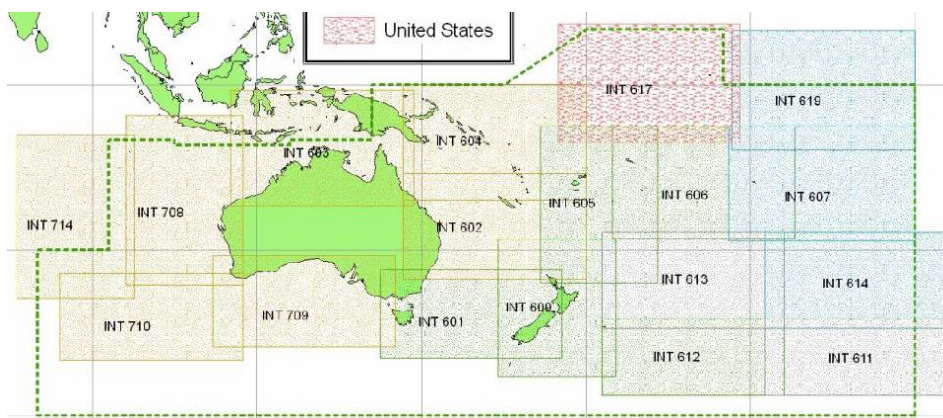
UK expressed appreciation to M Bessero on progress with the IHO ISPWG.

17 Development of procedures for the selection of a SWPHC representative on the annual IHO Council. (*Chair*)

RHCs need to develop procedures. The number of representatives is dependent upon the number of members in the RHC. Needs clarification on eligibility to stand and status as a nominee.

Agreed Australia will prepare draft changes to the statutes regarding the election of SWPHC representative on Council (one paragraph). To be tabled at the 9th SWPHC meeting.

18 Review status of the INT Chart Scheme for Area L (*All Members, IHB*)



There was discussion about the status of 611,612,613,614 and 619.

Agreed that Australia, NZ, UK and France investigate whether INT611-614 and 619 charts have to be included in their INT catalogues.

Agreed that any changes be notified to Australia.

19 Regional co-operation in surveying and chart production (*All Members*)

USA presented [see CD: USA - NAVOCEANO_capabilities.ppt] capabilities to undertake rapid, high quality surveys, deploying hydrographic airborne systems, using assets of the Fleet Survey Team, and satellite derived bathymetry. USA has undertaken many projects over islands in the northwest Pacific. Planning to commission state of the art capability upgrades.

AUS presented on the chart recompilation programme for PNG which includes ENC's. Australia has a close relationship with PNG.

Noted that PNG has placed the hydrographic responsibility under their maritime organisation.

NZ not particularly active recently

SOL - little progress at present.

UK cooperated with Fiji Chart 6848 which completed metrication of Fiji.

20 IHO Special Publication S-55 (Status of Hydrographic Surveying and Nautical Charting Worldwide)
(IHB and All Members)

Chair presented on S-55 [see CD: S-55 Presentation.ppt]. He highlighted that major gaps in shipping route survey exist. Metrication and WGS 84 conversion are required in areas frequented by cruise liners. Chart coverage (paper and electronic) may have improved, but underpinning source data has not been upgraded. Large scale coverage may be inadequate for safe navigation of deeper draught vessels.

UK emphasised the importance of keeping S-55 up-to-date. UKHO has revised internal processes to ensure annual updates are done.

FR reported that updates are done around April / May every year.

AUS provided a copy of an update with the meeting papers.

Agreed all members to review and provide updates to the IHB

Agreed all members note importance of this publication

Agreed Chair to produce a table or diagram showing areas of responsibility of each charting authority in the Region

21 Progress with Production and Distribution of ENC's
(All Members/UK)

Related to prior agenda #15, the IHB brought to the attention of members that the WEND will hold an extraordinary meeting soon. The question was put whether the Commission had any positions to be shared to take to the meeting.

WEND appointed a task group to indicate to the IMO the extent of ENC production. A WEND circular letter (3 weeks old) seeks data on current state. The fundamental issue is what ENC coverage there will be in 2010 and 2012. This is so that the IMO can mandate carriage requirements for ENC's.

Currently the IMO considers paper chart coverage to be 'adequate'. The logic is that it is now necessary to demonstrate to the IMO how well ENC coverage matches paper chart coverage. The WEND circular letter seeks members to forecast ENC coverage by comparing ENC's with corresponding paper charts. It is expected this will identify gaps in ENC coverage. It may lead to some States assisting others to fill the gaps. The question was put that perhaps there may be a Regional position on this.

IHB emphasised that the IMO has never questioned 'quality'. The IMO has only questioned 'coverage' ie is there going to be mandatory cover.

AUS will be attending the WEND meeting.

UK advised it will be represented too. Also commented on INT charts covering the Soloman Islands etc are in production.

AUS noted it is keen to improve coverage and reduce the price (an access barrier) for mariners. This is to encourage transition to ENC's by mariners. ENC's should be very 'affordable'.

NZ commented that NZ ENC's will be made available to anyone who requires them.

AUS presented on their ENC approach and their draft discussion paper [see CD: SWP ENC scheme Australian Proposal.doc]. AUS uses a cell-based approach :

- easier to resolve overlaps and clipping
- easier for edge-matching purposes

It has been proposed that the cell matrix approach for small scale ENC be recommended for adoption by the SWPHC for Area Lima.

IHB commented regarding this paragraph :

Where data is of insufficient scale to create Nav purpose 1 cells (nominally 1:3.5M) or Nav purpose 2 cells (nominally 1:5M), data may be drawn from smaller scale charts. Thereafter, the compilation scales within the cell should determine the viewing scale and over-scale warnings. Australia has successfully adopted this flexible approach to assigning the Nav-purpose for coastal cells, with both Nav-purpose 3 and 4 residing in the same matrix. Under this arrangement, the scale of source data for the larger part of the cell determines the Nav-purpose. This practice is also well suited to Nav-purpose 2 cells.

IHB reported that a discussion paper is being prepared regarding latitude allowed to designate Nav. purpose 1 vs Nav. purpose 2. The anomaly relates to SCAMIN (compilation scale driving SCAMIN). Not critical for Nav. purposes because these are planning scales, however, the problem doesn't make the data look good in an ECDIS.

FR commented regarding principles from previous meeting; it stressed the importance to agree on ENC schemas. Considering the principles outlined by AUS, FR is switching back to chart-based ENC cells for maintenance purposes, i.e. experience indicates that a regular grid is not practicable. FR insisted that the real issue is to agree geographical limits of the areas of responsibility for data coverage and who stewards the original source data. All members need to work with neighbours to establish these limits and AUS should take the lead to coordinate the overall schemas.

Chair provided a presentation on NZ ENC's [see CD: ENC Presentation to SWPHC 8.ppt]

UK reported progress.

FR illustrated ENC cells in the Eastern Atlantic Hydrographic Commission.

Agreed that NZ will communicate with the Tongan Hydrographer on how best to progress Tonga's ENC's

Agreed there must be an on-going agenda item on ENC schemes

Agreed that the basis of discussion will be the diagram maintained by Australia

Agreed that the scheme for navigation purpose codes (usage bands) 1 and 2 be developed by the end of December 2007

Agreed that Australia will provide Australian Use of the Object Catalogue to all SWPHC members for information.

22 Other Business (All Members)

UK commented on the value of IHO miscellaneous publication M2 - *National Maritime Policies and Hydrographic Services*. This is considered a good reminder for non-members and useful for communicating about hydrography; raising awareness.

SOL reported they are running out of paper chart stock. Asked if another member could assist.

Agreed UK and Solomon Islands will discuss the low paper chart stocks and find a resolution.

Meeting papers and photographs were copied to CD-ROM for every participant.

23 Summary of Resolutions, Decisions, Recommendations and Actions (Chair)

The Chair invited the Secretary to lead the meeting through the record of decisions. See Annex B

Members asked the IHB to note the special difficulties the SWPHC has getting representation to IHO Council meetings.

Agreed to prepare a proposal for the 9th SWPHC meeting to consider funding from the IHO Budget for the SWPHC representative to attend the annual IHO Council meetings.

Agreed that the SWPHC supports a proposal be put to the 4th Extraordinary International Hydrographic Conference that the IHB actively encourage new countries acceding to the IHO convention to ratify the new amendments at the same time.

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24 Date and Venue of next conference

At Agenda #2 the meeting had agreed to also elect a new Chair and Vice Chair under this item.

FR was **elected** the new Chair of the SWPHC.

The vice-chair will be the immediate past chair ie NZ.

Date for the next meeting will be no earlier than during the 4th QTR 2008, otherwise in the 1st QTR 2009. To be held in conjunction with PacMA if at all possible.

Agreed the outgoing Chair will ascertain where the next meeting of PacMA will be, or SOPAC.

Noted that Australia could possibly provide a location as a fall-back position; this would need to be confirmed ie only if no other option exists with a PacMA or SOPAC venue.

25 Closing Remarks

Chair expressed appreciations to the hosts (France, French Polynesia) and congratulated them on the splendid attention to detail, logistics, and general assistance throughout, which helped ensure the meeting was successful for all the members of the Commission. Endorsed by acclamation.

Members thanked the Chair.

IHB presented a gift to the Chair for contributions, not just to the Commission but other work for the IHO. John will be retiring from Land Information New Zealand in March 2008.

FR presented a memorial chart and tie for each delegate.

John A Spittal

Chair


South-West Pacific Hydrographic Commission

National Topographer/Hydrographer

New Zealand.

8th SWPHC Meeting Papers (supplied on CD-ROM)

Annex A

 Mon disque (D:) <ul style="list-style-type: none"> CD_SWPHC_2007 <ul style="list-style-type: none"> 18 SWPHC ENC SCHEME Photos 	18 SWPHC ENC SCHEME		File Folder
	0 Participants at 11 Sept 07.doc	585 KB	Microsoft Word Document
	2 CL 7-07 Final Agenda and Participants.doc	660 KB	Microsoft Word Document
	2a SWPHC7_INFO1_Revised STATUTES as at 8nov05.doc	40 KB	Microsoft Word Document
	3 ISWPHC7_Report 7-8 Nov 05.doc	108 KB	Microsoft Word Document
	3a SWPHC7_15_NZ Actions from 7th Meeting.doc	72 KB	Microsoft Word Document
	4 au Australian Report SWPHC 8.doc	4,634 KB	Microsoft Word Document
	4 fi Fiji National Report.doc	114 KB	Microsoft Word Document
	4 fr French National report_8th SWPHC_v3.doc	1,554 KB	Microsoft Word Document
	4 nz 2007 NZ National Report.doc	713 KB	Microsoft Word Document
	4 uk UK National Report to SWPHC 2007.doc	180 KB	Microsoft Word Document
	6 Report on CBC Technical Visit.doc	1,198 KB	Microsoft Word Document
	7 Assistance for CBC Activities in SWPHC.doc	96 KB	Microsoft Word Document
	7a CBC Decision Pro 18 Pt1.doc	106 KB	Microsoft Word Document
	7b CBC Decision Pro 18 Pt2.doc	79 KB	Microsoft Word Document
	8 Australia SWPHC Tahiti Sep 07.ppt	4,379 KB	Microsoft PowerPoint Presentation
	8 Capacity Building_R Furness Report.pdf	143 KB	Adobe Acrobat 7.0 Document
	8 CBC4_report.pdf	113 KB	Adobe Acrobat 7.0 Document
	8 CBC5_Report.pdf	149 KB	Adobe Acrobat 7.0 Document
	8 CBC_Strategy 2007.pdf	61 KB	Adobe Acrobat 7.0 Document
E	8 france - arrangementbilateral.ppt	1,464 KB	Microsoft PowerPoint Presentation
	9 SWPHC CBC Work Porgram 07 08.doc	81 KB	Microsoft Word Document
	11a Chair CBC Reply Fiji Funding Proposal1.doc	33 KB	Microsoft Word Document
	11b CBC Response to Fiji Request.doc	27 KB	Microsoft Word Document
	11c Fiji CBC Funding Request.doc	21 KB	Microsoft Word Document
	11d Fiji CBC Funding Proposal.doc	35 KB	Microsoft Word Document
	11e CBC Funding Procedure.doc	94 KB	Microsoft Word Document
	11f Chair CBC Reply for PNG Assistance.doc	26 KB	Microsoft Word Document
	11g PNG Request for CBC Funding.doc	30 KB	Microsoft Word Document
	11h PNG Technical Assistance.doc	28 KB	Microsoft Word Document
	11i PNG Report to CBC.doc	24 KB	Microsoft Word Document
	11j Fiji Proposal for CBC Fundinrg.doc	62 KB	Microsoft Word Document
	12 CBC Effectiveness Measures.doc	95 KB	Microsoft Word Document
	14 CLS2-07 Regional Membership SPWG.doc	86 KB	Microsoft Word Document
	15 XVII IHC - Decisions - Implementation Status.pdf	15 KB	Adobe Acrobat 7.0 Document
	15 XVII IHC - Decisions.pdf	202 KB	Adobe Acrobat 7.0 Document
	15 RHC Chairmen 3108.doc	244 KB	Microsoft Word Document
	15a IHO General Regulations.pdf	148 KB	Adobe Acrobat 7.0 Document
	15b RoP of the IHO Council.pdf	126 KB	Adobe Acrobat 7.0 Document
	18 CBC outcome on S 55.doc	183 KB	Microsoft Word Document
F	20 Australia S-55_Questionnaire_sep2007 update.doc	121 KB	Microsoft Word Document
	ENC Presentation to SWPHC 8.ppt	751 KB	Microsoft PowerPoint Presentation
H	Fiji Unable to Attend..doc	96 KB	Microsoft Word Document
	hautsfondsdouteux2.ppt	5,221 KB	Microsoft PowerPoint Presentation
I	Imation Flash Login.exe	3,368 KB	Application
	minutes - SWPHC7_Report 7-8 Nov 05.doc	111 KB	Microsoft Word Document
N	NZ National Report Power Point.ppt	1,058 KB	Microsoft PowerPoint Presentation
	Photos		File Folder
	plaquette.jpg	170 KB	JPEG Image
S	S-55 Presentation.ppt	490 KB	Microsoft PowerPoint Presentation
	SolomonIslandsBriefReport.doc	32 KB	Microsoft Word Document
	SWPHC8-16A_INT_Prod_Status_RegionL.pdf	1,070 KB	Adobe Acrobat 7.0 Document
U	USA - NAVOCEANO_capabilities.ppt	41,617 KB	Microsoft PowerPoint Presentation
	USA_Report_SWPHC08.ppt	31,089 KB	Microsoft PowerPoint Presentation
X	XVII Conference Summary.ppt	2,270 KB	Microsoft PowerPoint Presentation

Annex B**Summary of Decisions** from the 8th SWPHC meeting, Papeete, Tahiti

Decision #	Agenda #	Description
1	2a	<u>Agreed</u> to deal with this item under Agenda #24
2	3	<u>NZ agreed</u> to follow-up this action which was for Tokelau to advise NZ of the location of reported chart deficiencies for Chart NZ 885.
3	3	Chair <u>to provide</u> to the SWPHC members, and ascertain if the documents have also been provided to SOPAC.
4	3	It was <u>agreed</u> to continue to provide M11 updates to Australia.
5	6	<p>The Commission <u>agreed</u> :</p> <ul style="list-style-type: none"> - in principle to join the PacMA as an Associate Member - that a member of the SWPHC represent the SWPHC - that the Chair is to approach the CBC with a funding bid (initially) for costs associated with travel - to invite the IHB to participate - to invite PacMA to SWPHC meetings - to share relevant documents - to invite maritime administrators to join their hydrographic delegations at SWPHC meetings - that in future, where appropriate, SWPHC meetings be scheduled in conjunction with PacMA meetings
6	6	<u>Noted</u> the recommendations at item 5 in the report on the CBC Technical Visit to Samoa.
7	7	<u>Agreed</u> to remove “illustrated at Appendix 2” from item 1(b) of the SWPHC statutes.
8	9	<u>Agreed</u> the Chair will promulgate a formal letter to appropriate national representatives in the PacMA.
9	9	<u>Agreed</u> that the PacMA representatives to address the letter to are those within the extents of the SWPHC region.

Decision	Agenda #	Description
10	9	<u>Agreed</u> a copy of the letter to also be sent to the hydrographic authority of each of these jurisdictions.
11	9	<u>Agreed</u> a copy of the letter, for information, be sent to all SWPHC members, the SOPAC Secretariat, and IHB (Directing Committee).
12	9	<u>Agreed</u> to alert the IMO to this initiative.
13	9	<u>Agreed</u> to introduce the CBC template for submitting funding bids.
14	9	<u>Agreed</u> to attach the CBC Strategy Paper Annex B Assessment Criteria for definition of appropriate hydrographic capability.
15	9	<u>Agreed</u> to append an appropriate segment from S-55 to each letter.
16	9	<u>Agreed</u> the letter will outline the opportunity presented by the CBC.
17	9	<u>Agreed</u> the letter will outline the role of the SWPHC.
18	9	<u>Agreed</u> the letter will set a deadline for replies.
19	9	<u>Agreed</u> that the letter will ask that the SWPHC be informed of any other relevant initiatives being pursued by the jurisdiction.
20	10	<u>agreed</u> that the SWPHC should provide details to the IHB on implementation details for CBC previously endorsed technical visits
21	11	<u>Agreed</u> that the Chair is to write to PNG and Fiji (also refer agendas #12 and #13)
22	12	<u>Agreed</u> to support the bid from Fiji for technical assistance re a Digital Chart Production System
23	12	<u>Agreed</u> that a scoping exercise is needed to better identify what service Fiji requires
24	12	<u>Agreed</u> the Chair to recommend (to CBC) a technical visit preferably by one of the SWPHC members to assess whole of government commitment, ongoing support for maintenance, availability of financial resources for hardware and software and the overall effectiveness of the proposed initiative
25	12	<u>Agreed</u> Fiji must demonstrate commitment to fund what they will need to purchase

Decision	Agenda #	Description
26	12	<u>Agreed</u> that costs for an initial visit be submitted to CBC for funding; up to €4000.00 (noting that the cost will depend upon which member responds)
27	14	<u>Agreed</u> Chair is to reply to CBC's request for evidence with reference to the PacMA and how other measures may potentially be brought into play.
28	14	<u>Agreed</u> that members should ask NAVArea Coordinators to assess status of existing arrangements within their area for providing nautical information (as per S-55).
29	14	<u>Agreed</u> USA to provide details on a way forward or methodology for seeking US capacity building assistance.
30	15	<u>Agreed</u> that UK (involved with marine spatial data infrastructure development, MSDI) would keep in contact with Australasian metadata developments (via www.anzlic.org.au)
31	15	<u>Agreed</u> that UK would represent SWPHC in the IHO Working Group on Hydrographic Community Inputs to National Spatial Data Infrastructures
32	15	<u>Resolved</u> in accordance with decision 23 at the XVIIth International Hydrographic Conference, the SWPHC requests the IHB to actively engage its member states in the Region to ratify the new IHO convention
33	16	<u>Agreed</u> Australia will represent the SWPHC on the IHO Strategic Planning WG.
34	17	<u>Agreed</u> Australia will prepare draft changes to the statutes regarding the election of SWPHC representative on Council (one paragraph). To be tabled at the 9 th SWPHC meeting.
35	18	<u>Agreed</u> that Australia, NZ, UK and France investigate whether INT611-614 and 619 charts have to be included in their INT catalogues.
36	18	<u>Agreed</u> that any changes be notified to Australia.
37	20	<u>Agreed</u> all members to review and provide updates to the IHB
38	20	<u>Agreed</u> all members note importance of this publication
39	20	<u>Agreed</u> Chair to produce a table or diagram showing areas of responsibility of each charting authority in the Region

Decision	Agenda #	Description
39	21	<u>Agreed</u> that NZ will communicate with the Tongan Hydrographer on how best to progress Tonga's ENC's
40	21	<u>Agreed</u> there must be an on-going agenda item on ENC schemes
41	21	<u>Agreed</u> that the basis of discussion will be the diagram maintained by Australia
42	21	<u>Agreed</u> that the scheme for navigation purpose codes (usage bands) 1 and 2 be developed by the end of December 2007
43	21	<u>Agreed</u> that Australia will provide Australian use of the object catalogue to all SWPHC members for information.
44	22	<u>Agreed</u> UK and Solomon Islands will discuss the low paper chart stocks and find a resolution.
45	23	<u>Agreed</u> to prepare a proposal for the 9 th SWPHC meeting to consider funding from the IHO Budget for the SWPHC representative to attend the annual IHO Council meetings.
46	23	<u>Agreed</u> that the SWPHC supports a proposal be put to the 4th Extraordinary International Hydrographic Conference that the IHB actively encourage new countries acceding to the IHO convention to ratify the new amendments at the same time.
47	24	FR was elected the new Chair of the SWPHC.
48	24	<u>Agreed</u> the outgoing Chair will ascertain where the next meeting of PacMA will be, or SOPAC.