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SERVICE HYDROGRAPHIQUE  
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DE LA MARINE

DIRECTION DE LA STRATEGIE,  
DE LA PLANIFICATION ET  
DES RELATIONS EXTERIEURES

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Report of the 9<sup>th</sup> Conference of the South West Pacific Hydrographic Commission.

Subject : Report of the 9<sup>th</sup> Conference of the South West Pacific Hydrographic Commission of the International Hydrographic Organization.

Reference : SWPHC CL 01/2009 dated 19 January 2009.

Enclosures : Annex 1: List of participants to the 9<sup>th</sup> SWPHC Conference and technical workshop.  
Annex 2: SWPHC Statutes: new paragraph regarding the election of SWPHC representative to the IHO Council.  
Annex 3: List of national MSI POC.  
Annex 4: Action list resulting from the 9<sup>th</sup> SWPHC Conference.

### ***9 March 2009: Technical Workshop***

The 9<sup>th</sup> Conference of the South West Pacific Hydrographic Commission (SWPHC) was preceded by a Technical Workshop, held in Port Moresby, Papua New Guinea, on Monday 9 March 2009. The theme of the workshop was “raising the importance of hydrography in the South West Pacific region”.

#### *Participants*

Rod Nairn and Jasbir Randhawa (Australia), Felix Maharaj (Fiji), Gilles Bessero and Gwladys Theuillon (France), Adam Greenland (New Zealand), Chris Rupen and Joseph Kunda (Papua New Guinea), Chris Smith (UK), Tom Cuff (USA), Robert Ward (IHB), Vaipo Mataora (Cook Islands), Moote Kabure (Kiribati), Pascal Ohoau (Solomon).

Other participants from PNG authorities attended the workshop: Samuel Kodowara (Surveyor General), Jack Kariko and Utul Marat (Attorney General, International Law & Treaty), Captain John Nuga (PNG Ports Corporation), Professor D.K. Pal (PNG University of Technology - Faculty of Survey and

Lands Studies), Francis Posanau (PNG association of Surveyors and Cartographers). Vanuatu and SOPAC representatives who were registered did not appear. Survey companies were also represented by Masang Bandingo (Arman Larmer Surveys), Dave Garforth (Bruttour International), Christian Fellingner (Caris), Phil O'Neil and Kevin Smith (L3 Communications Nautronix), Adam Ahay (Nawae Construction), Murray Bannister (OmniSTAR).



The list of attendees including all participants' details is attached in annex 1.

#### Introductory words

*Gilles Bessero, Chair of the South West Pacific Hydrographic Commission*, welcomed the participants and recalled that the objectives of the workshop were to raise awareness at governmental level of the importance of hydrography to safety of navigation and national economic development, and to explore initiatives of common regional interest.

*Robert Ward, Director of the International Hydrographic Bureau*, stressed that for Island States, the Sea is a very significant asset. More than 98% of goods are transferred by maritime transport. Penalties for inactivity in hydrography were reminded: risk of increase in marine accidents, lack of confidence from shipping companies in ports and routes, limitation of international trade, missed economic opportunities, environmental impacts, liability and litigation.

#### Welcome and opening address

*Chris Rupen, General Manager of the National Maritime Safety Agency (NMSA) of Papua New Guinea*, gave the opening address.

He noted that NMSA was established in 2003 and became fully operational in 2006. Among the 19 provinces that constitute PNG, 14 have a coastal boundary. In consequence, the need for hydrography and cartography is important.

Status of the IHO S-55 publication for Papua New Guinea at the creation of NMSA was given: 10% (depth < 200 m) were adequately surveyed, 5% requiring re-survey at larger scale or to modern standards, 85% which had never been systematically surveyed. The benefits of Capacity Building were then stressed.

Most recently, 72 nautical charts have been produced under a Memorandum of Understanding with Australia; these charts cover 40% of PNG's maritime domain. Capacity building in PNG concerns each NMSA activities.

Several programs are in progress in order to develop DGPS positioning services, GMDSS...

### Poster session I

Exhibits were presented by survey companies (Bruttour International, Caris, L3 Communications Nautronix and OmniSTAR).

### Morning session

#### Importance of nautical information in the area (*Robert Ward, IHB*)

IMO objectives and its role in Safety of Navigation and protection of the marine environment were outlined. Obligations and commitments under SOLAS and UN Resolutions were developed and States responsibilities were stressed:

- Mariners obligations  
SOLAS (V/19) carriage requirements for navigation equipment,  
SOLAS (V/27) nautical charts and publications,
- Government obligations  
SOLAS (V/9) provision of hydrographic services,  
SOLAS (V/4) navigational warning.

Role, functions and organization of the International Hydrographic Organization, the International Hydrographic Bureau and the Regional Hydrographic Commissions were explained.

The lecturer highlighted the role of IHO in assisting Pacific Islands Countries to meet their SOLAS obligations. These obligations could be met directly via governments, bi-lateral assistance from other States or using commercial support providers. The different steps in Capacity Building were explained (awareness -raise importance of hydrography, assessment - identify and prioritize problems, analysis and action) and examples of bilateral assistance (AU with PNG, NZ with Cook Islands, Samoa and Tonga) to improve hydrographic capabilities were given.

The benefits of RHC membership (as Member States, associate members or observers) were emphasized in relation to benefiting from Capacity Building assistance.

### Hydrography and chart production (*Chris Smith, UK*)

Hydrographic survey is a necessity if Coastal States are to meet their obligations under the SOLAS Convention for safety of life at sea and protection of the environment but it is also an important means to facilitate economic development. The benefits of hydrography were then presented.

In order to conduct hydrographic activities, the necessary steps are the following.

Each country shall determine what infrastructure already exists for Maritime Safety Information, hydrographic survey and provision of navigational charts.

Existing surveys and charts shall be identified with critical evaluation. The importance of source data was stressed.

User requirements shall be established. Different users have different needs (scale, accuracy). Strategy adopted for a survey depends on the objectives and means available.

Works to be achieved shall be identified and prioritized, regarding what exists and what needs to be done, the resources and the user needs, and formulated through a national survey plan.

### Afternoon session

#### Nautical information and charting for the mariner in the South West Pacific (*Adam Greenland, NZ*)

Under the framework of safety of navigation, nautical charts and publications support the mariner for passage planning and navigation and provides port and harbour information. Hydrographic and cartographic documents were listed: paper charts, RNC, ENC, nautical publications (sailing directions, tide predictions, list of lights...). Safety of navigation also depends on the distribution of accurate and timely nautical information through urgent radio navigational warnings (RNW) and documentation updates.

The definition of Maritime Safety Information was given. NAVAREA warnings, coastal and local navigational warnings were developed. In the South West Pacific, Australia acts as NAVAREA X coordinator and New Zealand as NAVAREA XIV coordinator.

The importance of maintaining nautical charts and publications up-to-date was stressed. This task is carried out through Notices to Mariners for a permanent, temporary or preliminary update.

To conclude, a vast amount of information, services and products is available to the mariner. The importance of keeping products up-to-date was stressed in relation to the international obligations and responsibilities of Coastal States. The update and distribution mechanism can be implemented within the framework of capacity building and international cooperation.

#### Technologies for surveying (*Tom Cuff, USA*)

The evolution of equipments and devices used for hydrography over the last two centuries was presented.

The IHO S-44 publication was introduced and the sources of uncertainties in bathymetric surveys were developed. The importance of calibration for the accuracy of data was stressed.

S-55 development of hydrographic capabilities in the Island States (Rod Nairn and Jasbir Randhawa, Australia)

The IHO S-55 publication was introduced. The status for hydrographic surveys and charting and S-55 updates demonstrate the deficiencies in the South West Pacific region: many areas are unsurveyed or rely on old surveys and the coverage is incomplete or suboptimal in most of the areas.

The building of hydrographic capacity can allow Pacific Islands Countries to meet their SOLAS international obligations.

Capacity building principles and processes were then developed:

- Awareness and education campaign: the goal is to obtain government commitment.
- Collection and circulation of information to maintain existing charts and publications: every State can (and must) get to this phase.
- Creation of a survey capability. This phase requires the State's commitment to sustain capability and funding for personnel and equipment or contract surveys. IHO CBC can assist in training/technology transfer
- Production of charts and publications. Independent national capability at this level requires high levels of investment and continuous support in the long term.

Capacity building funds, activities and work program were introduced. To illustrate these purposes, the example of PNG chart modernisation project was given.

The options and way forward for Pacific Islands Countries are:

- Convince governments to recognise and take responsibility for their hydrographic obligations.
- Establish national MSI system and hydrographic prioritisation plan.
- Decide the level of national commitment.

Poster session II

Exhibits were presented by survey companies (Bruttour International, Caris, L3 Communications Nautronix and OmniSTAR).

Conclusions (Gilles Bessero, SWPHC Chair)

The SWPHC Chair thanked the speakers for their thorough presentations. He stressed that chart coverage (both paper and ENC) is incomplete in the South West Pacific region. Moreover, MSI national coordination needs to be improved. Pacific Islands Countries have to decide the level of national commitment to meet their international obligations.

- Regional and bi-lateral cooperation is the key to acquire survey capabilities.
- The South West Pacific Regional Hydrographic commission is the regional hydrographic forum.
- The SWPHC is the access point for IHO Capacity Building and associated Funds.

He summarized the recommendations from the workshop as follows:

- To continue in raising the awareness of IMO members on their (rights and) SOLAS obligations and to adopt a coherent, sustainable and consistent approach in liaison with IMO.
- To develop partnerships with regional maritime related fora and organizations.
- To promote and assist in the development of national hydrographic committees (national commitment).

- To facilitate the development of bilateral agreements with supporting countries and transition mechanisms (one size does not fit all).
- To involve industry in capacity development programmes.
- To develop replicable programmes of work to be used by donor agencies (maritime highways).
- To encourage associate members in joining the IHO.

The workshop participants were invited to refer to the IHO M-2 publication related to National Maritime Policies and Hydrographic Services.

The technical workshop raised the importance of hydrography in the area. Islands States are now aware they have to fulfil obligations under SOLAS Regulations. One of the roles of the International Hydrographic Organization is to help developing islands States to establish their own capability to provide at least updated hydrographic information to a charting authority in order to meet their SOLAS obligations and therefore fulfil their State responsibilities. The next step is to obtain government commitment to push that message forward in order to get the visibility and the recognition needed to take on and exercise hydrographic responsibilities.

All the presentations given during the technical workshop have been copied on a CD-ROM distributed at the end of the Conference. They are also available through the SWPHC page of the IHO web site.

### ***10-11 March 2009: 9<sup>th</sup> SWPHC Conference***

The 9<sup>th</sup> Conference of the South West Pacific Hydrographic Commission (SWPHC) took place in Port Moresby, Papua New Guinea, from 10 to 11 March 2009. The meeting was hosted and organized by the National Maritime Safety Agency (NMSA) of Papua New Guinea. Seven of the eight Member States were represented at the meeting, plus observers from Cook, Kiribati and Solomon Islands and survey companies. In total, 17 delegates were in attendance.

#### *Participants*

Cdre Rod Nairn and Mr Jasbir Randhawa (Australia), Mr Felix Maharaj (Fiji), Ing Gen Gilles Bessero and Ing Gwladys Theuillon (France), Mr Adam Greenland (New Zealand), Mr Chris Rupen and Mr Joseph Kunda (Papua New Guinea), Mr Chris Smith (UK), Mr Tom Cuff (USA), Capt Robert Ward (IHB), Mr Vaipo Mataora (Cook Islands), Mr Mature Kabure (Kiribati), Capt Pascal Ohoau (Solomon), Mr Dave Garforth (Bruttour International), Mr Phil O'Neil and Mr Kevin Smith (L3 Communications Nautronix), Mr Murray Bannister (OmniSTAR).



In addition to the files posted on the IHO website ([http://www.iho-ohi.net/mtg\\_docs/rhc/SWPHC/SWPHC9/SWPHC9\\_Docs.htm](http://www.iho-ohi.net/mtg_docs/rhc/SWPHC/SWPHC9/SWPHC9_Docs.htm)) before the Conference, a CD-ROM with the technical documents exchanged during the Conference was distributed at the end of the Conference. The CD-ROM does not contain the files posted on the IHO website before the Conference.

## **1. Welcome and opening remarks**

After addressing thanks for the outstanding participation in the Technical Workshop held the day before, Ingénieur général Gilles Bessero, Chairman of the SWPHC, opened the Conference with a short report on the activities conducted since the last meeting and fixed the objectives of the Conference. He emphasized the complexity of hydrography and the size of the maritime stakes in the region.

In consequence, SWPHC activities need to be prioritized. This has to be done pragmatically according to three main objectives:

- assessment and clear understanding of the situation in this area in terms of hydrographic services to be provided in compliance with SOLAS, Chap V, Reg. 9 against maritime requirements;
- development of hydrographic capabilities in the island States;
- implementation of an adequate ENC coverage.

Participants were then welcomed by Chris Rupen, General Manager of NMSA. He emphasized the fundamental role of Capacity Building in the region. The PNG chart modernization project is a good example to follow in term of bilateral cooperation and national hydrographic capability development. Therefore, a key success factor is to combine help from IHO and bilateral assistance in conjunction with the development of national hydrographic capabilities.

## 2. Approval of the agenda

The Commission approved unanimously the agenda, which was provided before the Conference.

## 3. Review of action items from the 8<sup>th</sup> SWPHC Conference

The SWPHC Secretary, Gwladys Theuillon (France), reviewed the status of the conclusions and decisions resulting from the last Conference. All decisions were covered on the relevant agenda item except the following orphan decisions.

Action 8.2 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.  
*To remedy this situation, one new edition has been published in 2008; another will be published in September 2009.*

Action 8.43 Agreed UK and Solomon Islands will discuss the low paper chart stocks and find a solution.  
*There has been communication between Solomon Islands and UK since the meeting. Further discussion and investigation between parties will be conducted outside the meeting.*

Action 8.7 Agreed to remove “illustrated at Appendix 2” from item 1(b) of the SWPHC statutes.  
*Change has been noted; however the revised Statutes will not be re-signed since it is a minor modification.*

It was also decided during the 9<sup>th</sup> Conference to remove the appendix 1 (T1.3 IHO resolution) from the Statutes.

Action 8.34 Agreed Australia will prepare draft changes to the statutes regarding the election of SWPHC representative on Council (one paragraph). To be tabled at the 9<sup>th</sup> SWPHC meeting.  
*The text proposed by Australia, discussed and amended during the Conference is enclosed in annex 2 of the present report.*

It was also decided to add the following paragraph on communications at the end of the Statutes:

“Communications

Members are required to ensure that their contact details in the IHO Yearbook (P-5) are correct. All official communications of the Commission will be dispatched to members in accordance with the IHO Yearbook details.”

All members agreed the following changes to the statutes:

- to remove references to appendices 1 and 2,
- to add the agreed clauses on communication and on the election of the Commission representative to the IHO Council (to come into force when the Council is established).

*Post meeting note: action complete.*

All actions resulting from the 8<sup>th</sup> SWPHC Conference are complete, closed or subsumed in an action from the 9<sup>th</sup> Conference.



#### **4. Exchange of information through national reports**

The following members briefly presented their national reports: Australia, Cook Islands, Fiji, France, Kiribati, New Zealand, Papua New Guinea, Solomon, United Kingdom and USA. The following points were highlighted (see national reports for more details).

Australia – The pressure to reduce human resources was stressed. Information was given about the improvement of quality processes, ENC coverage and data management.

Cook Islands – Priority was given to measures for the justification of continental shelf extension. New Zealand is the supporting country for the capacity building purposes.

Fiji – Feedback after the technical visit held in October 2008 is good. Notwithstanding the current list of survey requirements identified by the Hydrographer, there is still a need to establish a prioritized survey plan endorsed at the government level.

France – The activities of the two last years (including the transformation of SHOM into a public establishment, paper charts and ENC production, the development of a tsunami alert system...) were reviewed.

Kiribati – The organization of the Marine Division was described and assistance for capacity development was required.

New Zealand – The recent change of roles and responsibilities with respect to hydrography in LINZ was explained together with the main activities in recent years.

Papua New Guinea – The long-standing MoU concluded with Australia is being revised. NMSA operated a change in its organization after three years of experience in Maritime Safety Policies and Administration.

Solomon – Maritime Safety Administration organization was described. The need for a technical visit and to obtain government commitment in hydrographic activities was stressed. The opportunity associated with a project funded by the Asian Development Bank was mentioned.

United Kingdom – Paper charts, ENC and publications production, S-55 updates and capacity building activities were reviewed. UKHO provides accredited training courses in hydrographic data processing and nautical cartography and applications for sponsored places will be considered on merit.

USA – US mapping and charting responsibilities were explained. Further to SSN San Francisco accident, a project was conducted in order to identify potential dangerous sea mounts in the area. The Pacific Partnership Programme was outlined.

#### **5. Reports from other international, regional agencies and observers**

##### International Hydrographic Bureau (IHB)

Captain Robert Ward, Director of IHB, gave a general overview of IHB activities since the last meeting. The current membership status was provided: 80 States, 6 applying States.

The application for IHO membership made by Cameroon has most recently been approved. Countries whose application for membership has not yet obtained the required two thirds approvals (listed in order of date of application) are: Sierra Leone, Montenegro, Haiti. In reference to IHO Circular Letter 01/2009, Members States which have not yet notified their approval of the applications for IHO membership made by Sierra Leone, Montenegro and Haiti (Fiji, Papua New Guinea and Tonga) are invited to accelerate the process. Australia, France and United Kingdom have ratified the protocol of amendments to the IHO Convention (22 Members States have ratified it so far). Ratification is in the final stage for Papua New Guinea (a letter has been sent to Monaco).

Member States who have not yet ratified the protocol of amendments to the IHO Convention to ensure that the process is under way, to request assistance from the IHB if necessary and to ask their administration to accelerate the process.

Cuba and Iran have not paid their subscription for two years because of government budget restrictions and difficulties to transfers funds outside the country respectively.

IHB staff includes 19 permanent employees assisted by 2 seconded officers from Japan and Korea who working on data bases and information technologies.

Implication regarding IMO activities becomes more and more important. The final adoption of changes to SOLAS regulations for the introduction of an ECDIS carriage requirement is expected at the 86th session of the IMO Maritime Safety Committee; the IHB is ready to provide any input the Committee may require.

#### South Pacific Islands Applied Geoscience Commission (SOPAC)

The lack of financial resources would explain the non-attendance of the SOPAC representative. Nevertheless a connexion of SOPAC together with the SWPHC activities could be beneficial for Capacity Building matters.

Fiji to provide SWPHC Chair with a point of contact at SOPAC and a report about SOPAC activities and plans of interest to the Commission.

References were given to the MoU concluded between IHO and SOPAC in 2004, whose purpose is to provide a framework for a continuing liaison between the IHO and SOPAC to ensure the efficient and effective use of hydrographic data collected by the members of the two organizations.

#### Pacific Islands Maritime Association (PacMA)

Chair reported that no contact has been established with PacMA despite several attempts. All members agreed with a proposal to send a SWPHC representative to the annual PacMA meeting to be held in May 2009 in Nuku’Alofa (Tonga) where regional maritime transport ministers will meet. If SWPHC Capacity Building Funds are available, New Zealand could represent the SWPHC at this event (Australia as backup solution).

IHB Director to confirm with CBSC Chairman the availability of funds from the SWPHC allocation to support the attendance to PacMA meeting.

*Post meeting note: this proposal regarding the re-allocation of 2009 SWPHC Capacity Building Funds to sponsor the attendance of New Zealand at the PacMA meeting in May has been discussed. The CBSC Chairman supports this proposal.*

New Zealand to confirm attendance at the PacMA meeting if financial support is provided by CB funds (backup solution Australia).

*Post meeting note: action complete.*

Fiji to secure an invitation for a SWPHC representative to the PacMA meeting to be held in Tonga, 11-14 May 2009 and to report to SWPHC Chair, IHB and New Zealand.

*Post meeting note: action complete.*

#### Secretariat of the Pacific Community (SPC)

In order to identify potential cooperation regarding Capacity Building purposes, SWPHC will make contact with SPC and the Regional Maritime Programs, the head office of which is based in Suva.

Fiji to provide Chair with a point of contact at SPC/RMP.

## **6. Reports on IHO meetings**

### **ISPWG**

Australia, the SWPHC representative at the ISPWG, presented an overview of the activities of the working group. The proposals formulated during the final meeting in Tokyo last September were reviewed:

- a proposal to note the ISPWG report,
- a proposal to approve a new definition of hydrography,
- a proposal to approve the revised strategic plan,
- a proposal to adopt the revised text for administrative resolution T5.1,
- a proposal to approve transition arrangements to new IHO structure,
- a proposal to review possible needs for assistance in preparing the annual cycles of the new strategic mechanism,
- a proposal to review the implementation of the new planning mechanism.

The Chair asked Member States to support the seven proposals made by the ISPWG.

The IHB representative informed the participants of the concern held by the Directing Committee that insufficient resources may be available to support the proposed new planning arrangements and reporting arrangements. Moreover, he stressed the difficulty in setting appropriate mechanisms to measure performance.

### **GEBCO**

References: IHO Circular Letter 36/2006 - GEBCO report submitted by IHB.

The IHB representative expressed concerns regarding the use of GEBCO bathymetric data in Google Ocean and in particular the lack of recognition of IHO's role in the compilation of the dataset.

The IHB drew attention to in IHO Circular Letter 36/2006 seeking shallow water bathymetry to improve the IHO/IOC GEBCO grid and in particular data extracted from ENC's.

SWPHC members are invited to consider the provision of relevant shallow water bathymetry in response to the GEBCO program as requested in IHO Circular Letter 36/2006.

France expressed reservations concerning shallow water bathymetry derived from nautical charts; the automatic extraction of depths from ENC does not seem to be the optimal solution to compile the GEBCO data base. Australia recalled to the participants that it is not able to provide soundings at the moment and wondered whether the provision of isobaths could be an alternative.

### **WEND**

References: IHO Circular Letter 82/2008 (11<sup>th</sup> meeting of the WEND Committee) and the corresponding minutes.

The IHB reported significant developments related to coverage, consistency, quality, updating and distribution of ENC for many parts of the world and that the WEND Committee had developed additional guidelines (responsibilities of Coastal States, Reference Standards and Implementation, Capacity Building and Cooperation, Integrated services) for the implementation of the WEND principles (Technical Resolution K2.19). IHO Member States are invited to apply these guidelines.

### **CHRIS**

References: IHO Circular Letter 106/2008 (20<sup>th</sup> meeting of the CHRIS committee) and the corresponding minutes.

The IHB reported that during the 20<sup>th</sup> CHRIS meeting, held in Rio de Janeiro last November, the Committee reviewed the CHRIS Work Plan and the progress made by its various subordinate working groups. The existing governance and administrative arrangements for the hydrographic geospatial information infrastructure (GII) that is now supporting the development, maintenance and extension of IHO digital data standards and specifications, especially S-100, were reviewed and agreed by the Committee.

The Marine Spatial Data Infrastructures WG (MSDIWG) presented its report on the level and nature of the IHO's role in assisting Member States in their support of national spatial data infrastructures. The Hydrography and Cartography in Inland Waters WG (HCIWWG) also presented its report on the level and nature of IHO involvement in the hydrography and cartography of inland waters. The Committee commented on both reports which will now be submitted to the 4<sup>th</sup> Extraordinary International Hydrographic Conference in June 2009 for consideration by all Member States.

## **7. Reports on IHO CBC meetings and actions - SWPHC review and prioritisation of regional applications / ideas for CBC funding**

Reference: Circular Letter 75/2008 (report of the 6<sup>th</sup> meeting of the IHO Capacity Building Committee), SWPHC9 working paper about Chair report on Capacity Building, Circular Letters 08/2009, 10/2009 and 14/2009, SWPHC9 working paper 1.

Australia, the SWPHC representative at the CBSC, gave a general overview of the 6<sup>th</sup> meeting of the CBC. Procedures for submitting requests to the CBSC for support were developed. The Capacity Building work program for 2009 was reviewed. Allocated SWPHC Capacity Building Funds for 2009 amounted to 25.000 euros.

*Post meeting note: this amount will be updated in order to take into account the expenditures related to the Technical Workshop associated with the 9<sup>th</sup> SWPHC Conference.*

Inputs from Pacific islands countries are few and requests are essentially related to phases 1 and 2 of the Capacity Building process (awareness - education campaign and collection - circulation of information to maintain existing charts and publications). Countries are faced to a lack of human resources.

Requests already expressed were reviewed: one from PNG and two from Fiji (following to PacMA meeting and 8<sup>th</sup> SWPHC Conference).

Australia to act as the SWPHC focal point for Capacity Building matters.
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Following the circulation of the SWPHC9 working paper (Chairman's report about Capacity Building), the Commission confirmed its approval of procedures 1 and 2 for submitting request of support to the CBSC.

A round of table discussion identified various Capacity Building requirements. The following requests for SWPHC CBSC Funds were formulated. They are listed below in order of priority agreed by the Commission.

- Attendance at the PacMA meeting in Tonga in May 2009
- Organization of a technical visit in Solomon in 2009  
(with the assistance of IHB, estimated amount: 4000 euros)

If financial resources are available, the visit could be conducted by a team made up of an IHB member and a regional Nautical Chart Authority representative.

- Organization of a technical visit in Cook Islands in 2009  
(with the assistance of New Zealand, estimated amount 4000 euros)
- Organization of a technical visit in Kiribati in 2009  
(with the assistance of United Kingdom, estimated amount 4000 euros)

The utility to combine several technical visits in the same travel by supporting country or Nautical Chart Authority was discussed. Finally, it appeared more appropriate to dissociate these visits because not so much money is saved and a combined visit would increase the complexity of organization and logistics.

- Organization by Australia of a MSI workshop in 2010
- Organization of a cartographic training course (category B) in 2010-11 (Fiji)

Several options were discussed on this point:

- United Kingdom to provide a free course, nevertheless the cost of accommodation and travel is costed at 6000 euros,
- Australia to investigate the possibility to organize a local course.

The second solution seemed to appear more expansive than the first one. L3 Communications Nautronix representative offered the possibility to organize a training course.

Papua New Guinea expressed a need for MSI and hydrographic training courses and mentioned that a potential cooperation with Japan is in progress.

Draft CBSC requests were completed according to procedure 1 by the participants during the Conference. Submitting countries were invited to send the final versions to Australia by 1<sup>st</sup> April 2009 in time for submission to CBSC7 to be held in May.

Australia and New Zealand with the assistance of the concerned States to finalize the six applications for CBSC funding discussed during the Conference for submission at CBSC7:

- 1- PacMA meeting, May 2009
- 2- Solomon technical visit in 2009
- 3- Cook Islands technical visit in 2009
- 4- Kiribati technical visit in 2009
- 5- MSI workshop organized by AU in 2010
- 6- Cartographic training course in 2010-11

*Post meeting note: action complete.*

As the SWPHC will not meet before CBSC8 to be held in May 2010, the Australian representative suggested that States who intend to submit requests in the future forward the corresponding documents in due course. Moreover Solomon, Cook Islands and Kiribati are invited to report to Australia, IHB and SWPHC Chair on the technical visits listed above before 1<sup>st</sup> March 2010.

Members to consider application for CBSC assistance in future years (out to 2015) and submit applications to Australia for coordination and processing in consultation with the Chair before the 1<sup>st</sup> of March 2010.

The possibility to finance the participation of the SWPHC representative(s) to the IHO Council should be addressed later (after the budget and the working program of the Council have been established).

Participants were invited to consult the United States report that provides details on a methodology for seeking US capacity building assistance.

## **8. Preparation of the 4th Extraordinary IHO Conference, June 2009 - SWPHC review and comments on proposals submitted to the 4th EIHC**

The IHB representative indicated that the compilation of the Red Book containing comments and feedback received from Conference Circular Letter 05/2009 is in progress. He also informed about a potential late submission concerning the approval of S-100 and the fact that the report would not be available until three weeks before the meeting. The SWPHC members agreed that in the circumstances the S-100 proposal should be circulated by Circular Letter

only, as there is no pressing reason to present it at EIHC4 with little time for review. Half a day during the Conference will be dedicated to ENC coverage, consistency, availability and distribution. The Conference will be followed by the first meeting of the Inter Regional Coordination Committee (IRCC) and by the celebration of World Hydrography Day 2009 on June 5.

The 15 proposals formulated for the EIHC4 were reviewed. Proposal 14, whose objective is to speed up the ratification of the protocol of amendments to the Convention, was developed by Australia. Proposal 15 was then explained by the United States representative. The United States proposes that the Regional Hydrographic Commissions be designated as bodies of the International Hydrographic Organization because RHC have clearly become an important element of the IHO. The representative from United Kingdom and France felt that article 8 of the future IHO General Regulations and Administrative Resolution T1.3 provide an adequate framework already. A modification of Article IV of the revised IHO Convention would make even more complicated the ratification of the protocol of amendments (see item 5). The Chairman together with the IHB representative proposed to write a letter that could help to convince Member States authorities to send a representative to the EIHC4.

## **9. Review of the INT chart scheme for area L**

Australia, the SWPHC INT chart coordinator, asked participants to update yearly the IHO M-11 publication. This document was reviewed with the updates provided by Australia, France, New Zealand and United Kingdom before the Conference. All members were invited to provide Australia with updates on IHO M-11 publication.

Diagrams depicting areas of responsibilities of each charting authority in the region (results from action 8.39) were presented by France. These diagrams result from the M-11 publication, updated by the INT chart coordinator and sent before the meeting. The corresponding file has been posted on the CD-ROM distributed during the Conference for further comments if any.

Concerning action 8.35 about charts BA 4611, 4612, 4613, 4614 and 4619 UKHO accepts the responsibility of producing and maintaining the aforementioned as INT charts. New Zealand commented this proposal, advising that they were reviewing their chart coverage and may wish to extend the limits of their international charting. As the charts are ready to be published by UKHO, this proposal was approved; nevertheless this point will be reviewed at a later stage between New Zealand and United Kingdom.

## **10. Regional cooperation in surveying and chart production**

Such cooperation has already been reported in the Capacity Building item (item 7).

## **11. IHO special publication S-55 - Report on GMDSS, MSI and NAVAREA coordination**

### **IHO special publication S-55**

A slide presenting the IHO S-55 publication status was shown. It demonstrated that many countries' data are not up-to-date. According to action 8.37, all members were invited to review and provide updates to IHB.

The Commission agreed that the status of S-55 and M-11 will be a standing item on the agenda of future Conferences.

New Zealand and United States to provide updates to IHO S-55 publication as soon as possible.

#### **Report on GMDSS, MSI and NAVAREA coordination**

Noting the lack of coordination for Maritime Safety Information, Australia stressed the importance of organizing a MSI workshop and training course (see item 7) in the region.

As a follow up to action 8.28 (Agreed that members should ask NAVAREA Coordinators to assess status of existing arrangements within their area for providing nautical information (as per S-55)), it was agreed to attach a list of national MSI POC to the minutes of the Conference (see annex 3).

## **12. Progress with production and distribution of ENC's (Impact of WEND 11 and CHRIS 20)**

The IHB representative introduced this theme giving a comprehensive overview. The current status of ENC coverage is in line with meeting the objectives fixed for 2010. Nearly 100% coverage has already been reached for small scale ENC, 70% for medium scale and 65% for large scale.

Australia presented the regional ENC schemes for usage codes 1 and 2.

Concerning usage band 1, overlaps exist between Japan and Korean ENC and Australian ones. IHB should address the issue of overlap between different Regional Hydrographic Commission.

The representative of the United Kingdom presented screenshots from the Admiralty Digital Catalogue showing available ENC coverage for usage bands 2 to 6 within the SWPHC region. The way to complete the ENC coverage at larger scales was discussed. Australia suggested that the agreed Charting Authorities within the region produce large scale ENC schemes in their respective areas of responsibility. United Kingdom proposed that initially priority should be given to producing coverage of the most important ports. A listing of these (based on Lloyds estimates of shipping tonnage) was presented.

This listing was provided to participants, who are invited to review it.

All members to review the list of the main ports provided by the United Kingdom and report to Australia (copy to IHB Director 2) before 15<sup>th</sup> of May 2009.

Charting Authorities [Band 2 ENC producers] to propose the large scale ENC schemes (for usage band 3 to 6) in their respective areas to Australia by 31<sup>st</sup> December 2009.

Australia reported that action 8.43 (Agreed that Australia will provide Australian use of the object catalogue to all SWPHC members for information) is complete. The ENC catalogue was posted on AHS website in March.



In its role as PRIMAR Advisory Committee Chair, a presentation was made by France on PRIMAR RENC. The WEND current status and the IHO technical resolution K2.19 were first introduced and then the vision of PRIMAR RENC towards 2011 and beyond was developed. The objective of PRIMAR is to set up RENCs, to align them on Regional Hydrographic Commissions and to implement WEND principles so that the ENC distribution network is accessible to everybody.

The Australian representative reminded the participants that there were in fact three RENCs since the setting up of an Australian regional RENC in 2005 in association with IC-ENC. France was invited to make its ENCs of New Caledonia, French Polynesia and Wallis and Futuna available through the Aus RENC. The regionally distributed model was well understood by the participants. IHB proposed such a vision be discussed during EIHC4 with both advantages and disadvantage of this option being exposed. The consequences if RENCs do not converge with RHCs need to be investigated.

### **13. Other Business**

#### **Preparation of the World Hydrography Day 2009**

Different events will be organized for the celebration of the World Hydrography Day 2009 (5 June 2009): a regional hydrographic workshop organized by the Australian Hydrographic Society, the launching of an interactive chart catalogue organized by the New Zealand Hydrographic Society, communication action through national media ...

During the EIHC4, the World Hydrographic Day will be celebrated on Friday afternoon with three speakers presenting on the theme “hydrography and oceanography in support of protection of marine environment”. HSH Prince Albert II, Monaco officials and diplomatic representatives will be invited.

A DVD slide show and press releases will be prepared by IHB so all members are invited to send their contribution to IHB.

The subjects proposed by Australia for WHD 2010 will be discussed during the EIHC4.

#### **Name of the commission**

Although the name of the Commission does not account fully for its geographic coverage which extends well into the Indian Ocean, no compelling reason to reconsider it was tabled. It was noted that the boundary between SWPHC and EAHC may need reconsideration at a subsequent stage.

#### **Tsunami**

Representatives from New Zealand and Australia described their respective national tsunami alert system project which aims at establishing a network of tide recorders with real time data transmission in order to increase the capability to detect tsunami.

Closer links with SOPAC could be envisaged in the future on this matter.

2009 will be the Pacific Year for Climate Change.

#### **ADB**

Participants were invited to consult the Asian Development Bank website. ADB extends loans and provides technical assistance to its developing member countries for a broad range of development projects and programs. It also promotes and facilitates investment of public and private capital for economic and social development ([www.adb.org/Projects](http://www.adb.org/Projects)).

## **14. Election of Chair and Vice Chair**

The Chair asked for volunteers. In the absence of any proposal, it was decided to maintain the current SWPHC Chair, Ingénieur general Gilles Bessero (France) and Vice-Chair, Adam Greenland (New Zealand) in their respective positions.

## **15. Date and venue of next Conference**

To determine the venue of the next Conference, several options were explored: to choose an air transport hub, to join the SWPHC Conference with the annual PacMA meeting, to designate a Member State that has not yet hosted a Conference yet.

Solomon Islands proposed to host the next meeting in order to raise government awareness on hydrographic issues. Most of the members indicated their preference for the option proposed by the Solomon Islands representative. It was confirmed that Solomon Islands is a relatively easily accessible destination for most Pacific Island States.

It was decided to organize the next Conference late 2010 (this options seems more judicious in order to prepare CBSC9 rather than early 2011).

## **16. Summary of resolutions, decisions, recommendations and actions**

Decisions taken during the Conference are given in annex 4.

## **17. Closing remarks**

Ingénieur général Gilles Bessero closed the Conference by expressing the appreciation of the Commission to the National Maritime safety Agency of Papua New Guinea for its hospitality and organisation, and wished all delegates a pleasant and safe return in their countries. The reproduction of an old French nautical chart, published in 1806, of the area stretching eastward from former New Guinea was provided to the participants.

L'ingénieur de l'armement Gwladys Theuillon  
secretary of the SWPHC

Annex 1  
Details of the 9<sup>th</sup> SWPHC Conference and technical workshop participants

<b>Prénom-Nom Name</b>	<b>Fonction / Département Function / Organization</b>	<b>Adresse (+ pays) Address (+ country)</b>	<b>Téléphone (+ fax) Phone (+ fax)</b>	<b>Mél E-mail</b>
Rod Nairn (Australia)	Commodore Australian Hydrographic Service	8 Station Street Wollongong NSW 2500 Australia	Tel +61 2 4223 6687 Fax +61 2 4223 6599	<a href="mailto:international.relations@hydro.gov.au">international.relations@hydro.gov.au</a>
Jasbir Randhawa (Australia)	Manager External Relations Australian Hydrographic Service	8 Station Street Locked Bag 8801 Wollongong NSW 2500 Australia	Tel +61 2 4223 6672 Fax +61 2 4223 6599	<a href="mailto:international.relations@hydro.gov.au">international.relations@hydro.gov.au</a>
Vaipo Mataora (Cook Islands)	GIS Manager Ministry of Infrastructure and Planning Survey Land Information Division	P.O. Box 102 RAROTONGA Cook Islands	Tel (682) 20034 Fax (682) 21134	<a href="mailto:v.mataora@moip.gov.ck">v.mataora@moip.gov.ck</a> <a href="mailto:mataorav@yahoo.com">mataorav@yahoo.com</a>
Felix Maharaj (Fiji)	Fiji Hydrographic Office	GPO Box 326 Suva Fiji		<a href="mailto:felix.maharaj@govnet.gov.fj">felix.maharaj@govnet.gov.fj</a>
Gilles Bessero (France)	Chief Executive Officer French Navy Hydrographic and Oceanographic Service	CS 92803 29228 Brest Cédex 2 France	Tel (+33) 2 98 14 96 22 Fax (+33) 2 98 22 05 91	<a href="mailto:gilles.bessero@shom.fr">gilles.bessero@shom.fr</a>
Gwladys Theuillon (France)	Manager external relations French Navy Hydrographic and Oceanographic Service	CS 92803 29228 Brest Cédex 2 France	Tel (+33) 1 53 66 97 81 Fax (+33) 1 41 74 94 25	<a href="mailto:gwladys.theuillon@shom.fr">gwladys.theuillon@shom.fr</a>
Moote Kabure (Kiribati)	Marine Surveyor Marine Division	P.O. Box 487 Betio, TARAWA Republic of Kiribati	Tel 686 26150 686 26003 Ext. 20	<a href="mailto:kabure_m@yahoo.co.uk">kabure_m@yahoo.co.uk</a>
Adam Greenland (New Zealand)	Technical Leader Hydrographic Customer Services Land Information New Zealand	National Office Lambton House 160 Lambton Quay Private Box 5501 Wellington 6145 New Zealand	Tel 64 4 460 0110 Fax 64 4 460 0575	<a href="mailto:agreenland@linz.govt.nz">agreenland@linz.govt.nz</a>

Chris Rupen (Papua New Guinea)	General Manager National Maritime Safety Authority	P.O. Box 668 Port Moresby, NCD Papua New Guinea	Tel (675) 321 1244 Fax (675) 321 0873	<a href="mailto:crupen@nmsa.gov.pg">crupen@nmsa.gov.pg</a>
Joseph Kunda (Papua New Guinea)	Manager Hydrography National Maritime Safety Authority	P.O. Box 668 Port Moresby, NCD Papua New Guinea	Tel (675) 321 1244 Fax (675) 321 0873	<a href="mailto:jkunda@nmsa.gov.pg">jkunda@nmsa.gov.pg</a>
Michael J. Pidi (Papua New Guinea)	Acting Executive Manager Navigation and Safety Services National Maritime Safety Authority	P.O. Box 668 Port Moresby, NCD Papua New Guinea	Tel (675) 321 1244 Fax (675) 321 0873	<a href="mailto:mpidi@nmsa.gov.pg">mpidi@nmsa.gov.pg</a>
Paschal Ohoau (Solomon)	Ministry of Infrastructure and Development Maritime Safety Administration	P.O. Box G32 HONIARA Salomon Islands		<a href="mailto:pohoau@gmail.com">pohoau@gmail.com</a>
Chris Smith (United Kingdom)	International Relations Co-ordinator The United Kingdom Hydrographic Office	Admiralty Way Taunton – Somerset – TAI 2DN	Tel +44 (0)1823 337900 Fax +44 (0)1823 284077	<a href="mailto:chris.smith@ukho.gov.uk">chris.smith@ukho.gov.uk</a>
Thomas J. Cuff (United States of America)	Director U.S. Naval Meteorology and Oceanography Command Far East Regional Office, Singapore	PSA Sembawang Terminal Building 7-4, Deptford Road Singapore 759657  PSC 470, Box 2175 FPO AP 96534-2175 USA	Tel +65 6750-2600 Fax +65 6257-2520	<a href="mailto:tom.cuff@fe.navy.mil">tom.cuff@fe.navy.mil</a> <a href="mailto:navofero@gmail.com">navofero@gmail.com</a>
Robert Ward (IHB)	Director International Hydrographic Bureau	4 quai Antoine 1 <sup>er</sup> B.P. 445 MC 98011 Moncaco Cédex Principauté de Monaco	Tel (+377) 93 10 81 01	<a href="mailto:robert.ward@ihb.mc">robert.ward@ihb.mc</a>
Dave Garforth	Bruttour International PTY LTD Hydrographic Survey Systems	1/12 Cecil Road Hornsby – Sydney NSW 2077 Australia	Tel +61 2 9987 1581 Fax +61 2 9987 1584	<a href="mailto:dg@bruttour.com.au">dg@bruttour.com.au</a>
Christian Fellingner	Account Manager Caris Asia Pacific	Suite 1, Innovation House Mawson Lakes Boulevard Mawson Lakes SA 5095 Australia	Tel +61 (0) 8 8260 8180 Fax +61 (0) 8 8260 8100	<a href="mailto:christian.fellinger@caris.com">christian.fellinger@caris.com</a>

Phillip O'Neil	Regional Director, East L3 communications Nautronix	Wing B, Level 1, IC Central Innovation Campus Squires Way, Fairy Meadow NSW 2519 Australia	Tel +61 2 4220 4000 Fax +61 2 4226 253	<a href="mailto:phillip.oneil@L-3com.com">phillip.oneil@L-3com.com</a>
Kevin Smith	Regional Director, New Zealand L3 communications Nautronix	Map and Chart Centre, 16 Nicolaus Street, Trentham, Upper Hutt, Wellington 5018 New Zealand	Tel +64-4 527 0412 Fax +64 4 527 0413	<a href="mailto:kevin.smith@L-3com.com">kevin.smith@L-3com.com</a>
Murray Bannister	Business development executive OmniTRACK	OmniSTAR Pty Ltd Level 1,7 Brandl Street Eight Mile Plains Queensland 4143 Australia	Tel 61-7-3219 9611 Fax 61-7-3219 9711	<a href="mailto:m.bannister@omnistar.com.au">m.bannister@omnistar.com.au</a>

## Annex 2

Statutes new paragraph regarding the election of SWPHC representative on Council

### **SWPHC Statutes**

#### **9. Selection of Commission representative(s) to the IHO Council**

The Commission representative(s) to the IHO Council will be elected by postal vote once the number of seats allocated to the Commission and the names of States eligible for selection have been advised by the Secretary-General in accordance with Article 16 (b) of the IHO General Regulations. The election will be conducted according to the procedure agreed by the Commission.

## Procedure for Selection of Commission representative(s) to the IHO Council

### **1. Nomination**

(a) Any Full Member of the Commission who wishes to nominate as the regional representative to the Council is to submit their nomination to the Chairman with copies to Secretary General of the IHO and all Full Members of the Commission at least 6 months before the Assembly (refer Article 16(b)(iii) of the IHO General Regulations).

(b) Within one week of receipt of advice from the Secretary General (3 months before the Assembly – refer Article 16(b)(vi) of General Regulations) the Chair of the Commission will act as follows:

#### Either

If the number of nominations is equal to or less than the number of Council seats allocated to the Commission	Issue a SWPHC Circular Letter advising the Member State(s) that will represent the SWPHC at Council.
---	--

#### Or

If the number of nominations is greater than the number of Council seats allocated to the Commission	Issue a Voting Paper by a SWPHC circular letter to all Full Members of the Commission detailing: (a) the number of Council seats allocated to the Commission (b) the nominations (c) closing date for return of completed voting paper (30 days after date of issue).
--	--

### **2. Voting Procedure**

(a) Each Member marks their preferred candidate State(s) (to the number of seats allocated) on the voting paper and returns it to the Chair of the Commission by the due date (see example of voting paper in appendix 1).

(b) In the case of a tied result, the Chair will cast the deciding vote.

(c) The Chair will advise the outcome of the election and the details of received votes by a SWPHC circular letter within 2 weeks of the closing date for voting (see example of letter in appendix 2).

**South West Pacific Hydrographic Commission (SWPHC)**

**Selection of representative to the IHO Council**

**Example of Voting Paper**

**Part A**

**Number of Seats on Council allocated to the SWPH Council:**

<b>2</b>
----------

**(This is the number of boxes that may be marked below)**

**Part B**

**To vote for a candidate put an 'X' in the adjacent box. The number of boxes that may be marked is shown in Part A above.**

<b>Candidate State A</b>	<table border="1"><tr><td><b>X</b></td></tr></table>	<b>X</b>
<b>X</b>		
<b>Candidate State B</b>	<table border="1"><tr><td></td></tr></table>	
<b>Candidate State C</b>	<table border="1"><tr><td><b>X</b></td></tr></table>	<b>X</b>
<b>X</b>		
<b>Candidate State D</b>	<table border="1"><tr><td></td></tr></table>	

**Member State: ..... Date: .....**

**Authorised By: ..... Position: ..... (signature)**

**.....  
(Name)**



## Appendix 2

### South West Pacific Hydrographic Commission (SWPHC)

#### Selection of representative to the IHO Council

#### Example of Letter

Dear Colleagues,

I am please to inform you about the results of the election of the SWPHC representative at the IHO Council.

Candidates were...

The elected Member States are...

The table below summarizes the results of the votes.

	<b>Candidate State A</b>	<b>Candidate State B</b>	<b>Candidate State C</b>	<b>Candidate State D</b>	<b>No vote cast</b>
<b>Member State A</b>	x	x			
<b>Member State B</b>		x	x		
<b>...</b>		x		x	
<b>Member State H</b>		x			x

...

Annex 3  
List of national MSI points of contact

<b>NAVAREA X</b>	
<b>Australia</b>	Australian Search and Rescue (AusSAR) Australian Maritime Safety Authority (AMSA) GPO Box 2181 Canberra City ACT 2601 Tel +61 (0)262 30 68 11 Fax +61 (0)262 30 68 68 Mail. <a href="mailto:rccaus@amsa.gov.au">rccaus@amsa.gov.au</a> Web <a href="http://www.amsa.gov.au/Search_and_Rescue/Distress_and_Safety_Communications/">www.amsa.gov.au/Search_and_Rescue/Distress_and_Safety_Communications/</a>
New Caledonia	Adjoint Mer Nouvelle-Calédonie Tel +687 29 23 32 Fax +687 29 23 03 TLX +706 63180 Mail. <a href="mailto:mrcc.nc@lagoon.nc">mrcc.nc@lagoon.nc</a> Web <a href="http://www.mrcc-noumea.nc">www.mrcc-noumea.nc</a>
Papua New Guinea	Tel +67 53 23 61 87 Fax +67 53 23 33 39
Solomon	Tel +67 53 23 61 87 Fax +67 53 23 33 39
Vanuatu	Tel +67 82 31 28 Fax +67 82 29 49 Mail. <a href="mailto:yma@vanuatu.com.vu">yma@vanuatu.com.vu</a>
<b>NAVAREA XIV</b>	
<b>New Zealand</b>	Land Information New Zealand LINZ Hydrographic Services PO Box 5501 Wellington Tel +64 (0)44 60 01 10 Fax +64 (0)44 60 01 61 Mail. <a href="mailto:info@linz.govt.nz">info@linz.govt.nz</a> Web <a href="http://www.linz.govt.nz/audiences/mariners/index.html">www.linz.govt.nz/audiences/mariners/index.html</a>
Fiji	Tel +679 331 52 66 Fax +679 330 32 51
French Polynesia	Adjoint Mer Polynésie Tel +689 46 53 16 Fax +689 42 39 15 Mail. <a href="mailto:mrccpapeete@mail.pf">mrccpapeete@mail.pf</a>
Tuvalu	TF +688 27 148 Fax +668 20 149
Wallis and Futuna	Adjoint Mer Nouvelle-Calédonie Tel +687 29 23 32 Fax +687 29 23 03 TLX +706 63180 Mail. <a href="mailto:mrcc.nc@lagoon.nc">mrcc.nc@lagoon.nc</a>

Annex 4  
Actions list resulting from the 9<sup>th</sup> SWPHC Conference

Decision	Agenda item	Action	Pilote
9.1	3	All members agreed the following changes to the statutes: <ul style="list-style-type: none"> <li>▪ to remove references to appendices 1 and 2,</li> <li>▪ to add the agreed clauses on communication and on the election of the Commission representative to the IHO Council (to come into force when the Council is established).</li> </ul>	Chair <i>Post meeting note: complete</i>
9.2	5	Member States who have not yet ratified the protocol of amendments to the IHO Convention to ensure that the process is under way, to request assistance from the IHB if necessary and to ask their administration to accelerate the process.	Fiji, New Zealand, Tonga, USA
9.3	5	Fiji to provide SWPHC Chair with a point of contact at SOPAC and a report about SOPAC activities and plans of interest to the Commission.	Fiji
9.4	5	Fiji to secure an invitation for a SWPHC representative to the PacMA meeting to be held in Tonga, 11-14 May 2009 and to report to SWPHC Chair, IHB and NZ.	Fiji <i>Post meeting note: complete</i>
9.5	5	NZ to confirm the attendance at the PacMA meeting if financial support is provided by CB funds (backup solution AU).	NZ <i>Post meeting note: complete</i>
9.6	5	IHB Director to confirm with CBSC Chairman the availability of funds from the SWPHC allocation to support the attendance to PacMA meeting.	AU <i>Post meeting note: complete</i>
9.7	5	Fiji to provide Chair with a point of contact at SPC/RMP.	Fiji
9.8	6	SWPHC members are invited to consider the provision of relevant shallow water bathymetry in response to the GEBCO program as requested in IHO Circular Letter 36/2006.	All members
9.9	7	AU to act as the SWPHC focal point for Capacity Building matters.	AU
9.10	7	AU and NZ with the assistance of the concerned States to finalize the six applications for CBSC funding discussed during the Conference for submission at CBSC7: <ol style="list-style-type: none"> <li>7- PacMA meeting, May 2009</li> <li>8- Solomon technical visit in 2009</li> <li>9- Cook Islands technical visit in 2009</li> <li>10- Kiribati technical visit in 2009</li> <li>11- MSI workshop organized by AU in 2010</li> <li>12- Cartographic training course in 2010-11</li> </ol>	Cook, Fiji, Kiribati, Solomon and, Australia, New Zealand, UK <i>Post meeting note: complete</i>
9.11	7	Members to consider application for CBSC assistance in future years (out to 2015) and submit applications to AU for coordination and processing in consultation with the Chair before the 1 <sup>st</sup> of March 2010.	
9.12	11	NZ and US to provide updates to IHO S-55 publication as soon as possible.	NZ, US
9.13	12	All members to review the list of the main ports provided by UK and report to AU (copy to IHB Director 2) before 15 <sup>th</sup> of May 2009.	All members
9.14	12	Charting Authorities [Band 2 ENC producers] to propose the large scale ENC schemes (usage band 3 to 6) in their respective areas to AU by 31 <sup>th</sup> December 2009.	All members

Destinataire(s) : SWPHC members - [+ all IHO rep. in countries of INT charting Area L] - Pacific Islands Applied Geoscience Commission (SOPAC) - Pacific Islands Maritime Association - Secretariat of the Pacific Community (SPC) - IHB - European Commission (Voir liste jointe) - IMO regional representative - SPTO.

Copie(s) extérieure(s) : SHOM's rep. in the Pacific (Head of the Pacific Oceanographic Group)

Copie(s) intérieure(s) : DG - DA - SG - DSPRE - Archives générales - DSPRE2.07