



INTERNATIONAL HYDROGRAPHIC ORGANIZATION

NATIONAL REPORTS FROM SOLOMON ISLANDS TO THE SWPHC14

Reference: IHO Resolution 2/1997 as amended

Executive summary

1. Hydrographic Office / Service:

- a) Name of the institution: Solomon Islands Hydrographic Unit- (SIMSA)
- b) Description:

The Solomon Islands Hydrographic Unit (SIHU) is part of the Solomon Islands Maritime Safety Administration (SIMSA) which was established under an Act of Parliament of April 2009 and a division of the Ministry of Infrastructure Development. The SIHU is tasked with the responsibility to provide Hydrographic Services to the Solomon Islands Government (SIG), its stakeholders and the Maritime Community.

SIHU's mission is to provide support in all matters relating to hydrography to SIMSA in the management of an integrated, safe, reliable and sustainable infrastructure and transport services throughout Solomon Islands.

And with the vision to be an effective and efficient government agency in improving the lives of every Solomon Islanders through reliable infrastructure and safe transportation throughout Solomon Islands.

In the meantime, the SIHU faces challenges as it embarks on building up its capability to be able to meet its obligations in the form of its work output and its data management. Another key focus will be in enhancing the delivery of hydrographic services to the international maritime community.

- c) Submitted by: Clifford Olisukulu (COLisukulu@mid.gov.sb).

2. Surveys:

- a) Coverage of new surveys:

During the 2016 financial year, two hydrographic large scale surveys were carried out. These includes Gizo Harbour and Approaches (HI to S: 01/16) and Noro Port (HI to S:

02/16) both in the Western Province of Solomon Islands and are at the Scales of 1:2,500.respectively.

b) New technologies and /or equipment

The SIHU through its internal funding support from the Government has able to acquire some additional equipment during the year as follows:-

- a) 2 x CEETIDE radar tide gauges and accessories
- b) 1 x AML Acoustic Velocity Meter and accessories
- c) 1 x Rugged Field Display Unit and accessories
- d) 1 x HYPACK Max Software and
- e) 1 x External Display screen and accessories.

c) New ships:-

With its limited capability, the SIHU continues to use an eighteen feet (18') aluminium survy motor boat as its main sounding platform.

d) Problems encountered:-

Due to difficulties in securing a technical expert in country during the year, we are yet to engage someone with the relevant expertise to conduct an in house training program for our staff in the proper usage and management of these new assets. It is very much anticipated that such support may be possible in the new year 2017.

3. New charts & updates:

Currently all Charting for the Solomon Islands is done by the UKHO).

4. New publications & updates:

Currently arrangements are with the UKHO).

5. Maritime Safety Information:-

a) Existing infrastructure for transmission:-

The SIHU continues to develop and improve on its infratructures on its MSI data collection capability and its dissemination processes of these information to its relevant stakeholders and the general maritime community at large.

b) New infrastructure in accordance with GMDSS Master Plan:-

SIMSA's Maritime Coordination Centre (MRCC) has been playing a significant role in the dissemination process of the various MSI data broadcasting to the relevant authorities/stakeholders as they are equipped with the necessary communications systems to perform these functions.

6. C-55:-

The table with the latest information to update IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*) is provided in Annex B.

7. Capacity Building:-

- a) During this year 2016, our Principal Nautical Cartographer was a recipient of the SWPHC Capacity Building initiative to attend the Maritime Safety Information Training workshop in Wellington, New Zealand.

The SIHU would very much appreciate further support for our Nautical Cartographer purposely to do OJT in the different stages involved in Chart Production following his completion of the IHO CAT B Training in Nautical Cartography at the UKHO recently.

Technical support in the development of a new SIHU's Hydrographic Survey Instructions and the using of the surveying program – HYPACK MAX software in the initial planning, data acquisition and processing stages certainly needs consideration.

- b) As a small island nation with limited resources, the SIHU through the support of the SIG will continue to receive funding support for its work programmes for the next five years up to 2021. This initiative taken up by the government is to be reviewed annually. Through this support SIG, the SIHU will continue to meet its daily operational costs and two field survey projects deployments in a year.
- c) The SIHU is intending to send one of its hydrographic surveyors to attend the “[IHO CAT A Training in Hydrography](#)” during the 2017/2018 period and thus requires any support and consideration to this request if possible.

8. Oceanographic activities:-

Up until now there has not been any significant developments in this areas due mainly to the limitation of the SIHU's capability.

9. Other activities:-

- a) SIHU's Principal Nautical Cartographer was recently invited to attend the IHO-Nippon Foundation Alumni Workshop -2016 in Bangkok, Thailand from 02nd to 04th November.

- b) Our Principal Hydrographic surveyor has also been given the opportunity to travel with the Surveyor General of Solomon Islands to attend the PGSC Meeting to be followed by the GIS/RS Users Conference currently held in Suva from 24th Nov to 02nd Dec 2016.

10. Conclusions:-

- a) Since its establishment in early 2012 until today, the SIHU has developed to a stage that it is now fully equipped with the appropriate resources to provide services including hydrographic surveying and Maritime Safety Information to its stakeholders.

For charting production and any other Publications, this will take sometimes yet before the unit can be able to perform these functions.

- b) We will continue to face challenges in our ongoing developments especially when we are faced up with equipment failures as normally spares will not normally be readily available in country and the time taken to acquire these replacements/requirements will not come very easily as the process normally takes a while.
- c) Finally, as all may be aware, SIMSA may in the very near future become an Authority to be fully managed by its Board of Directors. It will be enacted by an Act of Parliament to be a Statutory body namely “Solomon Islands Maritime Authority” (SIMA), and not for profit making as it will be a Regulatory Body in Solomon Islands.

Input to the IHO Publication P-5 (*Yearbook*)*Country: Solomon Islands**Organization: Solomon Islands Hydrographic Unit*

Contact information/ Informations de contact / Información de contacto	
-National Hydrographer or equivalent -Directeur du service hydrographique ou équivalent -Director del Servicio Hidrográfico o equivalente	Post:Chief Hydrographic Officer Name:Clifford Olisukulu Postal address:Solomon Islands Maritime Safety Administration, P.O. Box G32, Coomonwealth Street, Honiara, Solomon Islands <u>Tel:(677) 215335 Ex 223</u> Fax:(677) 23798 Email: COLisukulu@mid.gov.sb
-Head of the Hydrographic Office (if different from the person indicated above) -Directeur du Service Hydrographique (si différent de la personne indiquée ci-dessus) -Director del Servicio Hidrográfico (si diferente de la persona indicada anteriormente)	Post:(As indicated above) Name: Postal address: Tel: Fax: Email:
-Other point(s) of contact -Autre(s) point(s) de contact -Otros punto(s) de contacto	Principal Hydrographic Surveyor, Mr Tony HANUAGI Email: THanuagi@mid.gov.sb Cartographer: Principal Nautical Cartographer, Mr John DALOMAE Email: JDalomaej@mid.gov.sb Administrators:- Director of Marine (Ag) Captain Timothy Harris Tel: (677) 28157 Email: THarris@mid.gov.sb Permanent Secretary, Mr Henry Murray Ministry of Infrastructure Development P.O. Box G8, Honiara Tel: (677 28603) Email: HMurray@mid.gov.sb
-Web site -site web -sitio web	Currently in Progress

Country information / Informations sur le pays/ Información sobre el país	
-Declared National Tonnage -Tonnage national déclaré -Tonelaje Nacional Declarado	Tonnage: 85,247 Gross Tonnage Date: 23/11/2016
-National day -Fête nationale -Fiesta nacional	07 th July 1978
-Date of establishment and Relevant National Legislation -Date de mise en place et législation nationale pertinente -Fecha de constitución y legislación nacional pertinente	February 2012, SIMSA Act of April 2009,
-Date first joined IHO -Date d'adhésion à l'OHI -Fecha de adhesión a la OHI	
-Date ratification Convention -Date de ratification de la Convention -Fecha de ratificación de la Convención	
-Remarks on membership -Remarques sur l'adhésion -Comentarios sobre la adhesión	Application currently pending approval.
Agency information/ Information sur l'agence/ Información sobre la agencia	
-Top level parent organisation -Organisme mère -Organización asociada de nivel superior	Solomon Islands Maritime Safety Administration (SIMSA)
-Principal functions of the organisation or the department -Attribution principales de l'organisme ou du département -Principales funciones de la Organización o departamento	Hydroscheme, Hydrographic surveys, Tidal information, Depository of hydrographic records, Chart Corrections, Issue of Hydrographic Data, Records, Charts and International Publications.
-Annual operating budget -Budget annuel -presupuesto anual	USD \$350,000.00

-Total number of staff employed -Effectifs totaux -Número total de personal empleado	4			
-Number of INT charts published -Nombres de cartes INT publiées -Número de cartas INT publicadas	Arrangements with UKHO			
-Total number of paper charts published-Nombre total de cartes papier publiées-Número total de cartas de papel publicadas	Arrangements with UKHO			
-Number of ENC cells published -Nombres de cellules ENC publiées -Número de células ENC publicadas	Arrangements with UKHO			
-Number of Other charts -Nombre d'Autres cartes -Número de Otras cartas				
-Type of publications produced -Type d'ouvrages produits -Tipo de publicaciones producidas	Arrangements with UKHO			
-Detail of surveying vessels/ aircraft -Détail des bâtiments hydrographiques / aéronefs -Detalle de los buques hidrográficos / aeronaves	-Name -Nom -Nombre	-Displacement -Déplacement -Desplazamiento	-Date Launched -Date de mise en service -Fecha de botado	-Number of crew -Nombre de l'équipage -Tripulación
-Other information of interest				

<p>-Autres informations utiles -Otra información de interés</p>	
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Input to the IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*)

Country: Solomon Islands

C-55 Summary for:				Comments on Charts:
Country:				
Country Iso Code:				
Country SubCode:				
INT Region:				
Country/Depend:				
Last updated:				
Provided by:				
Chart coverage	Passage (%)	Coastal (%)	Port (%)	Comments on Surveys:
INT				
RNC				
ENC				
Status of Paper Charts				
Paper charts with depths in meters (%)				
Paper charts referenced to a satellite datum (%)				
Status of surveys	Adequate (%)	Resurvey (%)	No survey (%)	
0-200m				
> 200m				

MSI	Y/N	Comments on MSI:
Local warning	Y	
Coastal warning	Y	
Nav warning	Y	
Port warning	Y	
GMDSS	Y/N	Comments on GMDSS:
Master Plan	Y	
Area A1	Y	
Area A2	Y	
Area A3	Y	
NAVTEX	N	
SafetyNet		

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National MSI Self-Assessment

Country: __Solomon Islands__
 Organization: __MRCC (SIMSA)__

1. Maritime area

(SRR.. Solomon Islands Search and Rescue Region)

[Describe maritime area including details of the geographic boundaries]

2. Operational Points of Contact for the National Coordinator

INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
MRCC	(677) 21609	(677) 23798	mrcc@solomon.com.sb

3. GMDSS Master Plan

(GMDSS and DSC Consol operate 24hr..Master Plan improve and increase 2 more stations, updated October 2015).

[Report on the status of the GMDSS Master Plan: Is it up to date? When was the last update?]

(Specific equipment..SARMAP and AIS link to AMSA...SARMAP Operates in Version 7.1 from 6.1 and expires 31st July 2017).

[Specifics of equipment used and software version with date up-dated]

Equipment Type for Ports and Local Area	Software Version	Date of Up-date
AIS Link..NAVAREA Solomon Is Waters	Link through SAT	Depend AMSA
SARMAP...Solomon Islands Waters	V7.1 exp Jul 2017	Nov 2016

(Weather warnings and marine warnings obtain from SI MET services..Cyclone warnings, Tsunami and flush flood warnings, rain warnings...Search and Rescue uncertainty, Alert and Distress Warnings).

[Detail the number of warnings identified as immediate priority (requiring transmission within 30 minutes) and the average elapsed time for passing to NAVAREA coordinator, as reported to the last RHC meeting]:

Year Y-2		Year Y-1		Year Y	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
xx	xx.x Mins	xx	xx.x Mins	xx	xx.x Mins

4. NAVTEX Coverage:

[Diagram of NAVTEX stations and service areas within maritime area; Contact details for NAVTEX Stations; Confirm operational status has been validated.]

5. Operational Issues:

[New infrastructure in accordance with GMDSS Master Plan; Problems encountered?]

6. Contingency Planning

[Provide information regarding contingency plans that have been established and future plans where appropriate. Also report on any testing of the plan that has been conducted]- (Establish Plan is the Marine Contingency Plan that is yet to be tested for effectiveness and efficiencies).

7. Capacity Building

[Demands for Capacity Building, Training requested or received, any offered, status of national, bilateral, multilateral or regional development projects with MSI component] (It's a very important element which should be included in Search and Rescue capability especially to obtaining such knowledge and skills).

8. Other Activities

[Participation in other IHO or IMO Working Groups, Regional Hydrographic Commissions, regional conferences related to MSI over past year] (Have Never attended any IHO meetings as yet but would like to if we may be given the chance in the very near future)

9. National Maritime Website

(Still in progress at the moment).

[(Address, statistics (if permitted by national legislation; how often is the information on your web site updated? Do you display the date and time of the last update on your web site?)]

10. Recommendations

[If any]

11. Summary

[Please provide a short summary of this paper which will be included in the final report of the meeting.]