



## INTERNATIONAL HYDROGRAPHIC ORGANIZATION

### NATIONAL REPORT FROM PAPUA NEW GUINEA TO THE SWPHC15

Reference: IHO Resolution 2/1997 as amended

#### Executive summary

1. Hydrographic Office / Service:
  - a) Name of the institution: National Maritime Safety Authority
  - b) New updates for IHO Yearbook are available in Annex.
  - c) Submitted by: Nicholas Pion, npion@nmsa.gov.pg

Detailed information to update IHO Publication P-5 (*Yearbook*) is submitted in Annex A.

#### 2. SURVEYS

##### a) PNG Port Surveys

<i>Area</i>	<i>Type/Chart</i>
Post Dredge Survey, Motukea Wharf Port Moresby	Updates to AUS 622
Bootless Inlet Channel Resurvey, Port Moresby	Updates to AUS 621
Kimbe Port Berth Survey	Updates to AUS 677
Wewak Port Berth Survey	Updates to AUS 652

##### b) Coastal Surveys

NMSA through the ADB Maritime & Waterways Safety Project (MWSP) is improving navigation safety and efficiency of shipping around PNGs coastal waterways through a series of surveys in six packaged areas. The areas below have been completed with additional surveys currently underway. The data is expected to be provided to the Australian Hydrographic Office (AHO) for updating of relevant charts.

Gasmata	Updates for AUS 670
Siassi	Updates for AUS 673
Kandrian	Updates for AUS 386
Pulie River	
Schlangen Harbour	Updates for AUS 387
Kulili Harbour	Updates for AUS 388
Manus Island	AUS 391

### c) RAN Surveys

- HI 606 Batumata Point (*LADS*), Port Moresby, Oct – Nov 2017
- Vicinity of Port Moresby (*HMAS Melville*), 01 Oct – 24 Nov 2017

### 3. New charts & updates

New updates, changes to chart information collected or received is submitted to the AHO via [datacentre@hydro.gov.pg](mailto:datacentre@hydro.gov.pg), for registration as hydrographic information in the following forms;

- Hydrographic Note Forms (H102)
- Survey Summary
- Advice to Hydrographer (ATH) - *for aids to navigation*

Detailed information about charting to update IHO Publications P-5 (*Yearbook*) and C-55 (*Status of Hydrographic Surveying and Charting Worldwide*) is submitted in Annexes A and B, respectively.

### 4. PUBLICATIONS

4.1 Tides information provided under the Australian National Tide Tables

4.2 Current Admiralty Sailing Directions covering PNG are;

- Pacific Islands Pilot NP60
- Australia Pilot NP15

### 5. MSI

MSI Self Assessment information is submitted through NAVAREA X Coordinator in 2016. Details provided in Annex C.

### 6. C-55 Status of Hydrographic Surveying and Charting Worldwide

Updated in consultation with Australia

### 7. CAPACITY BUILDING

#### 7.1 Hydrographic Survey for Disaster Management Training

One participant attended training on *Hydrographic Survey for Disaster Management & Relief* in Jakarta, from 11 – 19 Sep 2017, organised by Indonesia Hydrographic & Oceanographic Centre.

#### 7.2 Aids to Navigation Training

Two participants attended *Workshop on Sustainable Light and Power for Next Generation (IALABATT/IALALITE)*, Koblenz-Kongress, Germany, 20-24 March 2017.

## **8. OCEANOGRAPHIC ACTIVITIES**

### **8.1 Tide Gauges**

NMSA Radar Tide Gauge currently in operation is Port Moresby. Alotau, Kimbe and Lae are not in operation due to technical problems and port constructions affecting those sites. NMSA is working on improvement proposal to rehabilitate those sites in 2018.

### **8.2 Hydrodynamic Study**

A hydrodynamic study of archipelagic waters will be conducted in 2018 to support charting purposes under the ADB MWSP project.

### **8.3 Problems encountered**

None

## **9. Other Activities**

The new maritime boundaries of PNG as per UNCLOS gazetted in May 2017 under the Maritime Zones Act. The new limits include 12M TS, 24M CZ and 200M EEZ. The information is available to public and has also been provided to AHO. The next phase of the maritime delimitation expected to commence in 2018 is to define internal/coastal waters.

## **10. Conclusions**

The NMSA will continue to seek opportunities to improve survey coverage and ensure PNG charts are kept up-to-date.

Input to the IHO Publication P-5 (*Yearbook*)*Country:* Papua New Guinea*Organization:* National Maritime Safety Authority

<b>Contact information/ Informations de contact / Información de contacto</b>	
-National Hydrographer or equivalent -Directeur du service hydrographique ou équivalent -Director del Servicio Hidrográfico o equivalente	Post: Senior Hydrographic Officer Name: Nicholas Pion Postal address: P O Box 668, Port Moresby, NCD Tel: +675 321 1244 Fax: +675 321 0873 Email: <a href="mailto:npion@nmsa.gov.pg">npion@nmsa.gov.pg</a>
-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: General Manager Name: Paul Unas Postal address: P O Box 668, Port Moresby, NCD Tel: +675 321 1244 Fax: +675 321 0873 Email: <a href="mailto:npion@nmsa.gov.pg">npion@nmsa.gov.pg</a>
-Web site -site web -sitio web	<a href="http://www.nmsa.gov.pg">www.nmsa.gov.pg</a>
<b>Country information / Informations sur le pays/ Información sobre el país</b>	
-Declared National Tonnage -Tonnage national déclaré -Tonelaje Nacional Declarado	Tonnage: 286 187 Date: 2016
-National day -Fête nationale -Fiesta nacional	16 Sep
-Date of establishment and Relevant National Legislation -Date de mise en place et législation nationale pertinente -Fecha de constitución y legislación nacional pertinente	Established 2005 under the NMSA Act 2003
-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	24/04/1987
-Remarks on membership -Remarques sur l'adhésion -Comentarios sobre la adhesión	Suspended from 01/01/1998 to 01/12/2001
<b>Agency information/ Information sur l'agence/ Información sobre la agencia</b>	
-Top level parent organisation -Organisme mère -Organización asociada de nivel superior	Department of Transport
-Principal functions of the organisation or the department -Attribution principales de l'organisme ou du département -Principales funciones de la Organización o departamento	Under the Navigation Safety Services Department are the following function; <ul style="list-style-type: none"> <li>- Hydrography</li> <li>- Aids to Navigation</li> <li>- MSI</li> </ul> More info, refer to website
-Annual operating budget -Budget annuel -presupuesto anual	
-Total number of staff employed -Effectifs totaux -Número total de personal empleado	5
-Number of INT charts published -Nombres de cartes INT publiées -Número de cartas INT publicadas	Under bilateral arrangement with Australia
-Total number of paper charts published-Nombre total de cartes papier publiées-Número total de cartas de papel publicadas	Under bilateral arrangement with Australia
-Number of ENC cells published -Nombres de cellules ENC publiées	Under bilateral arrangement with Australia

-Número de células ENC publicadas				
-Number of Other charts -Nombre d'Autres cartes -Número de Otras cartas	None			
-Type of publications produced -Type d'ouvrages produits -Tipo de publicaciones producidas	Under bilateral arrangement with Australia			
-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
	None			
-Other information of interest -Autres informations utiles -Otra información de interés				

Input to the IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*)

Country: Papua New Guinea

C-55 Summary for:				Comments on Charts:
Country:	Papua New Guinea			
Country Iso Code:				
Country SubCode:				
INT Region:	L			
Country/Depend:				
Last updated:				
Provided by:	Australia			
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	N	
Nav warning	Y	Via NAVAREA X
Port warning	Y	VTS in Port Moresby and Lae Port for local use only, does not conform to IMO requirements
GMDSS	Y/N	Comments on GMDSS:
Master Plan		
Area A1		
Area A2		
Area A3		
NAVTEX		
SafetyNet		

## National MSI Self-Assessment

*Country: Papua New Guinea*  
*Organization: National Maritime Safety Authority*

## 1. Maritime area

The PNG search and rescue region covers the water of PNG extending beyond the 200M EEZ. This is an area of about 52.8 million square kilometers.

Wutung in the northern mainland coast to,  
 00° 00 S 141° 00 E      00° 00 S 160° 00 E  
 05° 00 S 160° 00 E      05° 00 S 158° 00 E  
 07° 00 S 155° 00 E      12° 00 S 155° 00 E  
 12° 00 S 144° 00 E      09° 00 S 144° 00 E  
 09° 36 S 141° 00 E,  
 thence to Bensbach, on the south coast of mainland new guinea.

## 2. Operational Points of Contact for the National Coordinator

INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
PNGMRCC	+675 321 2969 +675 73 517 071	+675 321 0484	PNGMRCC@nmsa.gov.pg

## 3. GMDSS Master Plan

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

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

Equipment Type for Ports and Local Area	Software Version	Date of Up-date

*[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:

*None*

5. Operational Issues:

HF DSC coverage all PNG coast, VHF DSC coverage is available for Port Moresby only. Plans are underway to include six (6) additional VHF DSC stations in 2018. Currently NMSA going through trials for systems operability, e.g EGC and IMARSAT C

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]*

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]*

8. Other Activities

*[Participation in other IHO or IMO Working Groups, Regional Hydrographic Commissions, regional conferences related to MSI over past year]*

9. National Maritime Website

[www.nmsa.gov.pg](http://www.nmsa.gov.pg)

10. Recommendations

*[If any]*

**11. SUMMARY**

PNGMRCC and CRS Port Moresby are co-located in one building, Pacific MMR Insurance Bldg L2 downtown Port Moresby. The GMDSS system is awaiting implementation of the IMARSAT C component . Most MSI and SAR services are done through RCC Australia