

**19TH MEETING OF THE SOUTH WEST PACIFIC HYDROGRAPHIC
COMMISSION (SWPHC19)
VTC, 23-25 February 2022**

NATIONAL REPORT FROM PAPUA NEW GUINEA TO THE SWPHC19

References:

- A. IHO Resolution 2/1997 as amended (see doc. C3-04.2A, [Appendix to Annex A](#))
- B. IHO Circular Letter 20/2019, The IHO Online Form System for responses to Circular Letters and input to IHO Publications (P-5 and C-55): [link](#)
Online system for P-5 (Yearbook): [link](#)
Online system for C-55 (Status of Surveys and Charting Worldwide): [link](#)
- C. IHO Strategic Plan: [link](#)
- D. IHO IRCC CL 01/2021 IHO Strategic Plan for 2021-2026 – Procedure for measuring the Strategic Performance Indicator (SPI) allocated to IRCC: [link](#)

Executive summary

1. Hydrographic Office / Service:
 - a) Name of the institution: National Maritime Safety Authority
 - b) Description: The National Hydrographer (Nicholas Pion) leads the Hydrographic Department within NMSA
 - c) The Hydrographic Department [*General description, including updates for the IHO Yearbook e.g. reorganization*]
 - d) Submitted by: Nicholas Pion, npion@nmsa.gov.pg

Detailed information to update IHO Publication P-5 (*Yearbook*) is submitted in Annex A (alternatively, use the online system, reference B). Please indicate "no change" in Annex A if this is the case.

2. Surveys:

[*Describe any significant developments since the last RHC meeting in surveys related to the items below*]

 - a) Coverage of new surveys:

One survey conducted since SWPHC18 was for area within the approaches to Port Moresby completed in December 2021.
 - b) New technologies and /or equipment
 - c) New ships
 - d) Crowdsourced and satellite-derived bathymetry - national policy
 - e) Challenges and achievements

Detailed information about surveys 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 (alternatively, use the online system, reference B). Please indicate "no change" in Annexes A and B if this is the case.

3. New charts & updates:

[Describe any significant developments since the last RHC meeting in charting related to the items below]

- a) ENC coverage, gaps and overlaps
Full ENC Coverage under arrangement with the AHO
- b) ENC distribution method
Under arrangement of the AHO distribution service and IC-ENC. Information available of link;
<https://www.hydro.gov.au/prodserv/digital/ausENC/enc.htm>
- c) RNCs
None
- d) INT charts
Under arrangement with AHO
- e) National paper charts
Coverage includes 78 paper charts, information on link below,
<https://www.hydro.gov.au/webapps/jsp/charts/PNGchartlist.jsp>
- f) Other charts, e.g. for pleasure craft
None
- g) Challenges and achievements

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 (alternatively, use the online system, reference B). Please indicate "no change" in Annexes A and B if this is the case.

4. New publications & updates:

[Describe any significant developments since the last SWPHC meeting in nautical publications related to the items below]

- a) New Publications
- b) Updated publications
- c) Means of delivery, e.g. paper, digital
- d) Challenges and achievements

Detailed information to update IHO Publication P-5 (*Yearbook*) is submitted in Annex A (alternatively, use the online system, reference B). Please indicate "no change" in Annex A if this is the case.

5. MSI

[Describe the status of Maritime Safety Information (MSI) related to the items below]

- a) Existing infrastructure for MSI dissemination
- b) Statistics on work of the National Coordinator
25 Coastal Warnings issued locally via email

- c) New infrastructure in accordance with GMDSS Master Plan
None

d) Challenges and achievements

The proposal to review MSI service capabilities, as reported at SWPHC18 could not be implemented due to the Covid-19 pandemic. Engagement of overseas subject matter experts was not possible. There is, however, two stakeholder awareness workshop on MSI planned in 2022 considered as part of preparation for review.

Detailed information about MSI to update IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*) is submitted in Annex B (alternatively, use the online system, reference B). The national self-assessment of MSI is submitted in Annex C. Please indicate "no change" in Annexes B and C if this is the case.

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 (alternatively, use the online system, reference B). Please indicate "no change" in Annex B if this is the case.

Please provide a table of navigationally significant areas (e.g., Charted traffic separation schemes, anchorages and channels) within your area of jurisdiction. Please reference geographical locations as per largest scale chart. This information will be used to derive an estimate % figure for the Region. Examples are provided in the table below.

Ref. IHO Strategic Plan, Goal 1, Target 1.2, SPI 1.2.2.

Navigationally significant area	Location	Chart
<i>Jomard Entrance</i>	<i>Louisiade Archipelago</i>	<i>PNG627</i>
<i>Vitiaz Strait</i>	<i>Bismark Sea</i>	<i>PNG386</i>
<i>Main channel, preferred route</i>		<i>NZ 4634</i>
...

7. Capacity Building

[Describe the need for or ability to offer Capacity Building in relation to the items below]

- a) Offer of and/or demand for Capacity Building
- b) Training received, needed, offered
 Trainings received in since SWPHC18 included;
 - In December 2021 twelve staff attended a 5 days group Training on Marine Spatial Data Infrastructure (MSDI) delivered virtually by IIC Technologies.
 - In July 2021 four staff attended the Introduction to the IALA Risk Management Toolbox (June 2021) followed by the advance course using SIRA method (July 2021) delivered by the IALA Worldwide Academy
- c) Status of national, bilateral, multilateral or regional development projects with a hydrographic component. (In progress, planned, under evaluation or study)

- d) Description of proposals and requests to the IHO CBSC

8. Oceanographic activities

[Describe any significant developments in oceanographic activity since the last SWPHC meeting related to the items below]

- a) General
- b) GEBCO & Seabed 2030
- c) Crowdsourced Bathymetry Activities
- d) Tide gauge network
- e) New equipment
- f) Challenges and achievements

9. Spatial data infrastructures

- a) Status of MSDI
- b) Relationship with the NSDI
- c) Involvement in regional or global MSDI efforts
- d) National implementation of the [UN Statement of Shared Guiding Principles for Geospatial Information Management](#) – including any national data policy and impact on marine data. Ref: IHO Strategic Plan, Goal 2, Target 2.3, SPI 2.3.1 Number of HOs reporting success applying the principles in their national contexts.
- e) MSDI national portal
- f) Best practices and lessons learned
- g) Challenges and achievements

10. Innovation

- a) Use of new technologies
- b) Risk assessment
- c) Policy matters

11. Other activities

[Describe any other significant developments of interest to the SWPHC since the last meeting related to the items below]

- a) Participation in IHO meetings
- b) Meteorological data collection
- c) Geospatial studies
- d) Preparation for responses to disasters
- e) Environmental protection
- f) Engagement with the Maritime Administration
- g) Aids to Navigation matters
- h) Magnetic and gravity surveys
- i) International engagements
- j) Others

12. Conclusions

[Provide a short summary statement that highlights any of the following:

- a) Areas of significant achievement*
- b) Areas of particular concern*
- c) Any other matters of interest to the SWPHC]*

Input to the IHO Publication P-5 (*Yearbook*)

Papua New Guinea
National Maritime Safety Authority

(Please provide the information in English. Consider using the IHO Online Form System, see reference B)

["no change"](#)

Contact information/ Informations de contact / Información de contacto	
-National Hydrographer or equivalent -Directeur du service hydrographique ou équivalent -Director del Servicio Hidrográfico o equivalente	Name: Postal address: Tel: Ph. Fax: Email:
-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: Name: Postal address: Tel: Fax: Email:
-Other point(s) of contact -Autre(s) point(s) de contact -Otros punto(s) de contacto	
-Web site -site web -sitio web	
Country information / Informations sur le pays/ Información sobre el país	
-Declared National Tonnage -Tonnage national déclaré -Tonelaje Nacional Declarado	
-National day -Fête nationale -Fiesta nacional	
-Date of establishment and Relevant National Legislation -Date de mise en place et législation nationale pertinente -Fecha de constitución y	

legislación nacional pertinente	
-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	
Agency information/ Information sur l'agence/ Información sobre la agencia	
-Top level parent organisation -Organisme mère -Organización asociada de nivel superior	
-Principal functions of the organisation or the department -Attribution principales de l'organisme ou du département -Principales funciones de la Organización o departamento	
-Annual operating budget -Budget annuel -presupuesto anual	
-Total number of staff employed -Effectifs totaux -Número total de personal empleado	
-Number of INT charts published -Nombres de cartes INT publiées -Número de cartas INT publicadas	
-Total number of paper charts published-Nombre total de cartes papier	

publiées-Número total de cartas de papel publicadas				
-Number of ENC cells published -Nombres de cellules ENC publiées -Número de células ENC publicadas				
-Number of Other charts -Nombre d'Autres cartes -Número de Otras cartas				
-Type of publications produced -Type d'ouvrages produits -Tipo de publicaciones producidas				
-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 -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

(Please provide the information in English. Consider using the IHO Online Form System, see reference B)

C-55 Summary for:				Comments on Charts:
Country:	Papua New Guinea			
Country Iso Code:	PG			
Country SubCode:	675			
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		
Coastal warning		
Nav warning		
Port warning		
GMDSS	Y/N	Comments on GMDSS:
Master Plan		
Area A1		
Area A2		
Area A3		
NAVTEX		
SafetyNet		

National MSI Self-Assessment

Papua Nee Guinea
Organization: National Maritime Safety Authority

“No change”

1. Maritime area

[Describe maritime area including details of the geographic boundaries]

2. Operational Points of Contact for the National Coordinator

INSTITUTION	TELEPHONE	FACSIMILE	EMAIL

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:

[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]

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

[(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.]