

**20TH MEETING OF THE SOUTH WEST PACIFIC HYDROGRAPHIC
COMMISSION (SWPHC20)
22-24 February 2023, Wellington, New Zealand**

NATIONAL REPORT FROM NIUE TO THE SWPHC20

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: **The Ministry of Infrastructure is the Competent Authority to meet Niue's SOLAS obligations.**
 - b) Description: **Land Information New Zealand (LINZ) is Niue's Primary Charting Authority**
 - c) Submitted by: **Lynsey Talagi, Maritime Manager, Department of Transport, Ministry of Infrastructure (lynsev.talagi@mail.gov.nu)**

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:
 - a) Coverage of new surveys: **Hydrographic survey of the wharf channel and surrounds, Avatele channel and surrounds, and Namukulu channel and surrounds in July 2022 by the Royal New Zealand Navy**
 - b) New technologies and /or equipment
 - c) New ships
 - d) Crowdsourced and satellite-derived bathymetry - national policy
 - e) Challenges and achievements: **Data from the hydrographic survey in July 2022 received in Dec 2022 – Jan 2023**

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: **N/A**
[Describe any significant developments since the last RHC meeting in charting related to the items below]
 - a) ENC coverage, gaps and overlaps

- b) ENC distribution method
- c) RNCs
- d) INT charts
- e) National paper charts
- f) Other charts, e.g. for pleasure craft
- g) Challenges and achievements: **Aids to Navigation for the Manatua Cable Protection Zone have yet to be installed. Maintenance for the aid to navigation at the Port of Alofi is outstanding.**

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
 - i. **Three telecommunications towers for VHF operated by Telecom Niue Limited, and one broadcasting tower operated by the Broadcasting Corporation of Niue.**
 - ii. **Niue's marine radio is operated by Telecom Niue Limited.**
 - iii. **4G mobile network does provide coverage in some areas not covered by VHF.**
 - iv. **Local warnings are sent via email, VHF, radio and tv**
- b) Statistics on work of the National Coordinator **One MSI passed on to the NAVAREA Coordinator**
- c) New infrastructure in accordance with GMDSS Master Plan
- d) Challenges and achievements
 - Implementation of the Maritime Safety Act 2021 is still in progress.**
 - Expansion of the VHF network is in progress. Scoping visit completed in 2022.**
 - Training is still required for marine radio operators due to turnover, etc.**

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.

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

More training is required for staff operating the marine radio at Telecom Niue, the new Maritime Coordinator and maritime stakeholders.

b) Training received, needed, offered

c) Status of national, bilateral, multilateral or regional development projects with a hydrographic component. (In progress, planned, under evaluation or study)

- 1) **Bilateral Arrangement between Land Information New Zealand and the Government of Niue acting through the Department of Transport, Ministry of Infrastructure and the Department of Justice, Lands and Survey, Ministry of Social Services concerning Cooperation in the Field of Hydrography (Signed March 2017)**
- 2) **The Niue Nukutuluea Multiple-Use Marine Park safeguards 100 percent of Niue's Exclusive Economic Zone (EEZ and Territorial seas), building on legislation passed in 2020 to fully protect 40 percent as a no-take Large Scale Marine Protected Area (Niue Mona Mahu). Developed a sustainable financing mechanism to help achieve the aforementioned.**
- 3) **Pacific Safety of Navigation Project Phase 3 in progress**
- 4) **Manatua Cable Project – Gazetting the no anchoring and no bottom fishing zone around the cable is outstanding.**
- 5) **Pacific Maritime Safety Programme Phase 3 (PMSP3) – Implementation of the Maritime Safety Act 2021 in progress**
- 6) **A pre-feasibility study on developing the international port, Avatele and Namukulu boat ramps was conducted in October 2019 under an Asian Development Bank Technical Assistance. The feasibility study to fully assess and determine the most adequate investment option was scheduled to start in July 2020 but on hold due to Covid-19. Discussions underway to progress this.**

h) 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

Proposed New Site Layout for Niue Tidal, Climate and Tsunami Equipment Hut and Anemometer Mast is currently in progress. Damaged due to TC Tino. Support through Government of Australia through the Climate and Oceans Support Program for the Pacific is currently in progress.

- e) New equipment
- f) Challenges and achievements

Ocean data required for forecasting of movements of marine species.

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
 - Continuous data and information for weather forecasting, marine services and climate services. Niue Tide Calendars distributed for key stakeholders.**
- c) Geospatial studies
- d) Preparation for responses to disasters
 - Niue Meteorological Office continuous engagement with Niue Disaster Management Office in regard to pre-cyclone season briefing. SAR maps of landing areas received from the Headquarters Joint Forces New Zealand.**
- e) Environmental protection
 - The Niue Nukutuluea Multiple-Use Marine Park safeguards 100 percent of Niue's Exclusive Economic Zone (EEZ and Territorial seas), building on legislation passed in 2020 to fully protect 40 percent as a no-take Large Scale Marine Protected Area (Niue Mona Mahu). Developed a sustainable financing mechanism to help achieve the aforementioned.**
- f) Engagement with the Maritime Administration
- g) Aids to Navigation matters
 - Outstanding AToN maintenance**
- h) Magnetic and gravity surveys
- i) International engagements
 - Engagement on marine and oceans in regard to climate change and participation at COP27. Pacific Island Marine and Ocean Services Panel under the Pacific Meteorological Council.**
 - Green Climate Fund (GCF) Climate Services Project for Niue and Marine and Oceans activities and equipment to be implemented 2023**

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]*

Niue's significant achievements include:

- i. Hydrographic survey of the wharf channel and surrounds, Avatele channel and surrounds, and Namukulu channel and surrounds in July 2022 by the Royal New Zealand Navy**
- ii. The Niue Nukutuluea Multiple-Use Marine Park safeguards 100 percent of Niue's Exclusive Economic Zone (EEZ and Territorial seas), building on legislation passed in 2020 to fully protect 40 percent as a no-take Large Scale Marine Protected Area (Niue Mona Mahu). Developed a sustainable financing mechanism to help achieve the aforementioned.**

Areas of concern:

- i. Operators of the marine radio require more training for MSI.**
- ii. No full VHF Ch16 coverage**
- iii. Maintenance and installation of aids to navigation**

Niue's future focus is:

- i. Maintenance and installation of aids to navigation**
- ii. Full VHF Channel 16 coverage**
- iii. Implementation of the Maritime Safety Act 2021**
- iv. Capacity building for staff and stakeholders**
- v. Draft / amend legislation to implement the IMO conventions**
- vi. Maritime boundary with Tonga**

Input to the IHO Publication P-5 (*Yearbook*)*Country: NIUE**Organization: Ministry of Infrastructure*

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

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: Land Information New Zealand is the Primary Charting Authority. Niue doesn't have a National Hydrographic Service established Name: Postal address: Tel: 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	Ministry of Infrastructure is the Competent Authority to meet Niue's SOLAS obligations.
-Web site -site web -sitio web	www.gov.nu
Country information / Informations sur le pays/ Información sobre el país	
-Declared National Tonnage -Tonnage national déclaré -Tonelaje Nacional Declarado	Tonnage: Date:
-National day -Fête nationale -Fiesta nacional	19 October
-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	2 (published by LINZ)
-Total number of paper charts published-Nombre total de cartes papier	1 (published by LINZ)

publiées-Número total de cartas de papel publicadas				
-Number of ENC cells published -Nombres de cellules ENC publiées -Número de células ENC publicadas	2 (published by LINZ)			
-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: **NIUE**

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

C-55 Summary for:				Comments on Charts: 1. In 2019 under the Pacific Regional Navigation Initiative (PRNI) a chart improvement programme got underway to incorporate existing and new survey data. New charts for Niue and Beveridge Reef were published in April 2021. 2. All Niue charts were renumbered and incorporate the two-digit country code NU
Country:	NIUE			
Country Iso Code:	NU			
Country SubCode:				
INT Region:	L			
Country/Depend:	C			
Last updated:				
Provided by:	Niue			
Chart coverage	Passage (%)	Coastal (%)	Port (%)	Comments on Surveys: 1. In 2016 a hydrographic risk assessment was completed under PRNI. This identified priority areas for survey, agreed with the Government of Niue. 2. In 2017 and 2018 under PRNI two outlying reefs, Beveridge and Antiope, were covered by SDB. Beveridge Reef was further surveyed with ALB. 3. In general, depths >200m are attained very close to Niue's fringing reef and Beveridge Reef. A SPC MBES survey of 2008 around Niue is incorporated in the charts. There is no current priority to survey depths >200m around Beveridge Reef. 4. Data from NOAA cruise HS91 292/293 was identified following SWPHC16 workshop
INT	100	100	0	
RNC	100	100	80	
ENC	100	100	80	
Status of Paper Charts				
Paper charts with depths in meters (%)			100	
Paper charts referenced to a satellite datum (%)			100	
Status of surveys	Adequate (%)	Resurvey (%)	No survey (%)	
0-200m	100	0	0	
> 200m	1	20	79	

			<p>on Data Discovery and will be incorporated in the charts as will the recent (2019) MBES survey for the Manatua submarine cable.</p> <p>5. Data received from the Royal NZ Navy survey (July 2022) of the wharf and surrounds, Avatele and Namukulu channels and their surrounds. No changes required to the charts.</p>
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MSI	Y/N	Comments on MSI:
Local warning	Partial	Provided by the National MSI Coordinator, Telecom Niue Ltd (TNL) and Broadcasting Corporation of Niue (BCN). Passed to NZ
Coastal warning	Y	Provided by TNL
Nav warning	N	Through NAVAREA XIV
Port warning	Partial	Changes passed to charting authority (NZ). Provided by the National MSI Coordinator, Telecom Niue Ltd (TNL) and Broadcasting Corporation of Niue (BCN).
GMDSS	Y/N	Comments on GMDSS:
Master Plan		
Area A1		
Area A2		
Area A3		
NAVTEX		
SafetyNet		

National MSI Self-Assessment

*Country: NIUE**Organization: Ministry of Infrastructure*

(Please provide the information in English)

1. Maritime area

Niue's Coastal Navigational Warning area covers ~15 NM for broadcasting of navigational warnings via Niue's Marine Radio on VHF.

2. Operational Points of Contact for the National Coordinator

INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Ministry of Infrastructure	+683 888 6983 /+683 4047		lynsey.talagi@mail.gov.nu

3. GMDSS Master Plan

*Report on the status of the GMDSS Master Plan: Is it up to date? NO**When was the last update*

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 2021		Year Y-1 2022		Year Y	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
4*	xx.x Mins	1*	xx.x Mins	xx	xx.x Mins

*Figures represent total MSI passed to NAVAREA Coordinator, rather than only those identified as requiring immediate broadcast

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:

MSI included in ‘Section 19: Notices to Mariners and Navigational Warnings’ of the Maritime Safety Act 2021. Implementation in progress.

No full VHF Ch 16 coverage around Niue. VHF scoping visit in 2022 due to more telecommunications towers, and working through 3 tower and 5 tower options for expanding the network before the tender process.

6. Contingency Planning

MSI messages sent to the NAVAREA XIV Coordinator, RCCNZ by email to be promulgated. No progress to date with respect to Telecom Niue being appointed the deputy National MSI Coordinator as they operate the marine radio 24/7, therefore, will need to discuss internally again.

7. Capacity Building

Training required for (a) marine radio operators due to staff turnover, (b) the new Maritime Coordinator appointed in February 2023, and (c) maritime stakeholders.

8. Other Activities

N/A

9. National Maritime Website

N/A

10. Recommendations

More training is required for relevant stakeholders and implementation of Section 19 of the Maritime Safety Act 2021.

11. Summary

This self-assessment report highlights the MSI activities for the year 2022. Implementation of the Maritime Safety Act 2021 and expansion of the VHF network is in progress. Training is still required for staff due to turnover, etc.