



INTERNATIONAL HYDROGRAPHIC ORGANIZATION

NATIONAL REPORTS FROM NIUE TO THE SWPHC14

Reference: IHO Resolution 2/1997 as amended

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:

Richard Siataga, GIS/LIS Tech. Officer, Department of Justice, Lands and Survey, Ministry of Social Services (Richard.Siataga@mail.gov.nu)
Lynsey Talagi, Maritime Administrator, Department of Transport, Ministry of Infrastructure (lynsey.talagi@mail.gov.nu)

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

2. Surveys:

a) Coverage of new surveys:

Expedition to Niue and Beveridge Reef – A collaboration between Pristine Seas, National Geographic Society, the Government of Niue, and the Secretariat of the Pacific Community, September - October 2016. The expedition's objective was to conduct the first ever comprehensive baseline survey of our marine ecosystems. Unfortunately no Bathymetry survey was done as they didn't have equipment on board, so this is one of the surveys we need.

b) New technologies and /or equipment

N/A

c) New ships

N/A

d) Problems encountered

The Policy and Guidelines for Marine Scientific Research in Niue doesn't specify requirements for research vessels to collect bathymetry data and deliver to the Government of Niue.

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.

3. New charts & updates:

- a) ENC
NZ300845 – Niue
NZ608451 – Alofi Anchorage
NZ608452 – Alofi Landing
- b) ENC Distribution method
LINZ website. LINZ is a member of IC-ENC and distributes all NZ ENCs through IC-ENC Australia. View the IC-ENC World Catalogue here:
<http://websig.hidrografico.pt/website/icenc/viewer.htm>
- c) RNCs
Distributed from LINZ and available from their website.
- d) INT charts
N/A
- e) National paper charts
NZ 845
- f) Other charts, e.g. for pleasure craft
N/A
- g) Problems encountered
Niue needs improved charting of the Alofi Anchorage and Beveridge Reef.

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. New publications & updates:

- a) New Publications
N/A
- b) Updated publications
N/A
- c) Means of delivery, e.g. paper, digital
N/A
- d) Problems encountered
N/A

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

5. MSI

- a) Existing infrastructure for transmission
 - i. Three telecommunications towers for VHF operated by Telecom Niue Limited (TNL), and one broadcasting tower operated by the Broadcasting Corporation of Niue (BCN).
 - ii. Niue's marine radio is operated by TNL.
- b) New infrastructure in accordance with GMDSS Master Plan
N/A
- c) Problems encountered
 - i. No VHF coverage on the eastern side of Niue.
 - ii. VHF Channel 16 has only partial coverage in Niue, however, other channels are used but communication can be an issue.
 - iii. The trigger signals do not reach two tsunami sirens on the northwest of Niue.

Detailed information about MSI to update IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*) is submitted in Annex B. The national self-assessment of MSI is submitted in Annex C.

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 Offer of and/or demand for Capacity Building

- a) Training received, needed, offered
 - i. Two TNL staff attended the IMO/IHO Regional Training Course on Investigation and Promulgation of Maritime Safety Information (22-24 August 2016, Wellington, New Zealand). We're awaiting in-country training from TNL as one of the outcomes of the course. Given that different government agencies play a role in MSI, it may be best if IMO/IHO conducts in-country training for Niue.
 - ii. Need to formalise National MSI Coordinator role and appoint to the role.
 - iii. IHO Technical Assessment Visit undertaken by NZ in February 2016.
 - iv. Niue Hydrographic Risk Assessment under PRNI (July 2016).
 - v. IHO CB 2 Day Workshop on hydrography and hydrographic governance (28-29 November 2016)
- b) Status of national, bilateral, multilateral or regional development projects with a hydrographic component. (In progress, planned, under evaluation or study)
To review draft bilateral arrangement with LINZ.
- c) Description of requests to be considered by the IHO/CBSC
On appointment of National MSI Coordinator there'll be a requirement for attendance at a MSI training course.

8. Oceanographic activities

- a) General
N/A
- b) GEBCO/IBC's activities

N/A

c) Tide gauge network

A new tide gauge was installed in 2015 and is managed by the Niue Meteorological Office. We can access real data online, however, there are sometimes IT issues which prevents access by other departments.

d) New equipment

N/A

e) Problems encountered

N/A

9. Other activities

a) Participation in IHO Working Groups

N/A

b) Meteorological data collection

This is done by the Niue Meteorological Office.

c) Geospatial studies

N/A

d) Disaster prevention

Niue has the Strategic Roadmap for Emergency Management 2015 – 2019

e) Environmental protection

Niue has a National Spill Contingency Plan

f) Astronomical observations

N/A

g) Magnetic/Gravity surveys

N/A

h) MSDI Progress

N/A

i) International

N/A

10. Conclusions

Niue's significant achievements include:

- i. Engagement with PCA.
- ii. Working through the recommendations of the IHO Technical Assessment Visit
- iii. Reviewing the recommendations of the Hydrographic Risk Assessment and having the report officially recognised by the Government of Niue.
- iv. Being aware of our obligations as a nation.

Our future focus is to review and agree on chart modernisation. An area of concern is Niue's limited MSI capability and capacity.

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

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: LINZ is the PCA. 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	
-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	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	N/A

-Date first joined IHO -Date d'adhésion à l'OHI -Fecha de adhesión a la OHI	N/A
-Date ratification Convention -Date de ratification de la Convention -Fecha de ratificación de la Convención	N/A
-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 publiées-Número total de cartas de papel publicadas	1 (published by LINZ)

-Number of ENC cells published -Nombres de cellules ENC publiées -Número de células ENC publicadas	3 (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

C-55 Summary for:				Comments on Charts: Following Hydrographic Risk Assessment recommendations to re-scheme existing chart for Alofi Anchorage and larger scale charts for Beveridge Reef
Country:	Niue			
Country Iso Code:	NU			
Country SubCode:				
INT Region:	L			
Country/Depend:				
Last updated:				
Provided by:	Ministry of Infrastructure			
Chart coverage	Passage (%)	Coastal (%)	Port (%)	
INT	100	100	100	Comments on Surveys: Review need for survey to achieve above chart re-scheme Requirements for additional survey work to be considered following SPC data discovery activities
RNC	100	100	100	
ENC	100	100	100	
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	10	90	0	
> 200m	1	20	79	

MSI	Y/N	Comments on MSI:
Local warning	Y	Telecom Niue Limited (TNL) and Broadcasting Corporation of Niue (BCN)
Coastal warning	Y	TNL and BCN
Nav warning	Y	Provided by NZ NAVAREA XIV
Port warning	Y	TNL and BCN
GMDSS	Y/N	Comments on GMDSS:
Master Plan	N	
Area A1	N	
Area A2	N	

Area A3	N	
NAVTEX	N	
SafetyNet	Y	NAVAREA XIV messages broadcast by SafetyNet

National MSI Self-Assessment

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

1. Maritime area

No designated broadcast area

2. Operational Points of Contact for the National Coordinator

INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Department of Transport, Ministry of Infrastructure	+683 6983		lynsey.talagi@mail.gov.nu

Anticipate the formal appointment within 6 months.

3. GMDSS Master Plan

N/A

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

No records held at current time.

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:

N/A

5. Operational Issues:

No VHF coverage on the Eastern side of Niue. Complications of coverage on the Western side of Niue having to use 3 VHF Channels.

6. Contingency Planning

Informal arrangement for NZ (RCCNZ) to broadcast messages.

7. Capacity Building

- i. Attendance at the IMO/IHO Regional Training Course on Investigation and Promulgation of Maritime Safety Information (22-24 August 2016, Wellington, New Zealand). Awaiting in-country training from course participants. Given that different government agencies play a role in MSI, it may be best if IMO/IHO conducts in-country training.
- ii. Need to formalise National MSI Coordinator role and appoint to the role. On appointment of National MSI Coordinator there'll be a requirement for attendance at a MSI training course.
- iii. IHO Technical Assessment Visit undertaken by NZ in February 2016.
- iv. Niue Hydrographic Risk Assessment under PRNI (July 2016).
- v. IHO CB 2 Day Workshop on hydrography and hydrographic governance (28-29 November 2016).
- vi. Time to review the draft bilateral arrangement with LINZ.

i. Other Activities

IHO CB 2 Day Workshop on hydrography and hydrographic governance (28-29 November 2016)

14th SWPHC Meeting (30 November – 2 December 2016)

ii. National Maritime Website

N/A

iii. Recommendations

Note the information provided.

iv. Summary

This report highlights MSI activities within Niue waters since SWPHC13. Niue is looking to formalise the National MSI Coordinator role, and strengthen ties with NAVAREA XIV Coordinator and PCA.