

**16TH MEETING OF THE SOUTH WEST PACIFIC HYDROGRAPHIC
COMMISSION (SWPHC16)
Alofi, Niue, 11 - 14 February 2019**

NATIONAL REPORTS FROM THE COOK ISLANDS TO THE SWPHC16

Reference: IHO Resolution 2/1997 as amended

Executive summary

1. Hydrographic Office / Service:

a) Name of the institution: Infrastructure Cook Islands (ICI)

Description: Vaipo Mataora the Cook Islands National Hydrographer and also the chairman of the Cook Islands National Hydrographic Coordinating Committee. The National Hydrographic office is also established under Infrastructure Cook Islands which the Cook Islands government gave its approval on Tuesday 14th June 2016.

The establishment of the CIHS included the agreement to appoint a Maritime Safety Information (MSI) Coordinator; the resignation of Stephen Simpson in 2018 has prompted ICI and MOT to appoint Saungaki Rasmussen as the interim MSI Coordinator which this roles sit under Ministry of Transport.

b) Submitted by: Vaipo Mataora, Director of Civil Works & Hydrography,
vaipo.mataora@cookislands.gov.ck

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

b) New technologies and /or equipment

i. Policy issues regarding the collection and use of crowd-sourced bathymetry

The Cook Islands have already signed a MOU with SPC to release any bathymetry data to enable LINZ under the PRNI to progress with updates of the Cook Islands ENC and paper charts

ii. Status of data collection

The Cook Islands in collaboration with LINZ our primary charting authority and SPC and the private agencies who have carry out bathymetry surveying in the Cook Islands to release data to assist with the PRNI project.

c) New ships

The Cook Islands does not own or operate survey vessels, we collaborate with our primary charting authority (LINZ) and SPC and outsourcing hydrographic surveying to private companies.

d) Problems encountered

Lack of survey equipments and training.

Opportunities is limited to engage locals staff to be with the surveying expeditions to gain experience and built in country capability.

Lack of promotion or awareness in country to encourage interested students at the secondary school level who may be interested to become a hydrographic surveyor as a career.

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. 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) ENCs

Chart	Plan	ENC Published	Paper Charts Published
NZ 945	Rakahanga	8/12/2018	Expected to be published by 25/1/19
	Nassau		
	Manihiki		
NZ 955	Mauke	Expected to be published by 25/1/19	Expected to be published mid February
	Palmerston		
	Mangaia		
	Mitiaro		
	Manuae		
	Takutea		

b) ENC Distribution method

Detailed information of Cook Islands ENC folio can be found on the LINZ website at <http://www.linz.govt.nz/sea/charts/electronic-navigational-charts-encs> and in the ENC Coverage Catalogue available on the IHO website www.iho.int.

c) RNCs

d) INT charts

e) National paper charts

f) Other charts, e.g. for pleasure craft

g) Problems encountered

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. 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) Problems encountered

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

LINZ on behalf of the Cook Islands publishes Annual Notices to Mariners (available in the Nautical Almanac and online) and fortnightly Notices to Mariners (NtM) distributed via an email subscription service (<http://www.linz.govt.nz/sea/maritime-safety/noticesmariners/> subscribe-fortnightly-edition-notices-mariners) and available online at <http://www.linz.govt.nz/sea/maritime-safety/notices-mariners>.

LINZ is the NAVAREA XIV Coordinator navareaxiv@linz.govt.nz. The Cook Islands National Coordinator contact below:

COUNTRY	TELEPHONE	FACSIMILE	E-MAIL
Cook Islands	+682 28810	+682 28816	Saungaki.rasmussen@cookislands.gov.ck

- b) New infrastructure in accordance with GMDSS Master Plan
- c) Problems encountered

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. 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. Please indicate "no change" in Annex B if this is the case.

7. Capacity Building Offer of and/or demand for Capacity Building

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

- a) Training received, needed, offered

The Cook Islands under the SWPHC/IHO/LINZ capacity building programs in collaboration with SPC, have funded capacity building training programs on Maritime

Safety Information (MSI) which Cook Islands have attended in Wellington 2018 and to build its capability and capacity in country and be able to assist the Cook Islands hydrographic requirements.

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

In 2016 the Cook Islands and LINZ (Primary Charting Authority) have signed a bilateral arrangement.

- c) Description of requests to be considered by 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/IBC's activities
- c) Tide gauge network
- d) New equipment
- e) Problems encountered

9. 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 Working Groups
- b) Meteorological data collection
- c) Geospatial studies
- d) Disaster prevention
- e) Environmental protection
- f) Astronomical observations
- g) Magnetic/Gravity surveys
- h) MSDI Progress:
 - i. Policy and Governance
 - ii. Technical Standards
 - iii. Information systems
 - iv. Data
- i) International
- j) Use of risk to support survey and chart updating priorities

10. 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]*

The Cook Islands will continue to collaborate with LINZ (the Cook Islands Primary Charting Authority) to ensure that the PRNI funded Aid Programme will be a success in achieving our hydrographic requirements and meets our international obligations under the SOLAS convention.

The updating of our current paper charts and the ongoing data gathering of existing bathymetric data for science purposes will greatly assist LINZ in converting paper charts to ENC's and will improve the confidence of the maritime community navigating in our international waters particularly the cruise and shipping industries and other sectors such as environment, coastal including other environmentally sensitive areas.

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

Country: Cook Islands

Organization: Infrastructure Cook Islands

(Please provide the information in English)

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: Director of Civil Works & Hydrography Name: Vaipo Mataora Postal address: PO Box 102, Rarotonga, Cook Islands Tel: +682 20321 Fax: +682 24321 Email: vaipo.mataora@cookislands.gov.ck
-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: 1,641,416.18 – 624 vessels registered Date: 5/02/2019
-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	Infrastructure Cook Islands (ICI)
-Principal functions of the organisation or the department -Attribution principales de l'organisme ou du département -Principales funciones de la Organización o departamento	<ul style="list-style-type: none"> • Coordinate hydrographic surveys • Reviewing and verifying charted information is correct and up to date; • Reviewing and verifying information in notices to mariners, sailing directions, lists or lights, etc. related to the Cook Islands is correct and up to date; • Verifying processes and procedures for MSI are implemented effectively;
-Annual operating budget -Budget annuel -presupuesto anual	
-Total number of staff employed -Effectifs totaux -Número total de personal empleado	2
-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: Cook Islands

(Please provide the information in English)

C-55 Summary for:				Comments on Charts:
Country:	Cook Islands			
Country Iso Code:				
Country SubCode:				
INT Region:	L			
Country/Depend:				
Last updated:	IHB November 2016			
Provided by:				
Chart coverage	Passage (%)	Coastal (%)	Port (%)	Comments on Surveys: <ol style="list-style-type: none"> 1. Data provided by New Zealand. 2. In general, depths > 200m are attained very close to the island and fringing reef. There is no current priority to survey depths > 200m 3. The cruise industry has raised concerns for safety of navigation in these areas. 4. The inter island routes are inadequately surveyed. These routes required surveying to modern standards to meet the needs of contemporary shipping.
INT	100	100	30	
RNC	100	0	30	
ENC	100	0	30	
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	5	95	0	
> 200m	0	20	80	

MSI	Y/N	Comments on MSI:
Local warning	Partial	Passed to NZ
Coastal warning	Partial	Passed to NZ
Nav warning	Yes	Provided by New Zealand, NAVAREA XIV
Port warning	NO	
GMDSS	Y/N	Comments on GMDSS:
Master Plan	No	
Area A1	No	

Area A2	No	
Area A3	No	
NAVTEX	No	
SafetyNet	Yes	NAVAREA XIV messages broadcast via SafetyNET

National MSI Self-Assessment

Country: Cook Islands
 Organization: Ministry of Transport

(Please provide the information in English)

1. Maritime area

RCC New Zealand covers the Cook Islands waters including the 200 nautical mile Exclusive Economic Zone (EEZ)

2. Operational Points of Contact for the National Coordinator

INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Ministry of Transport	+682 28810	+68228816	saungaki.rasmussen@cookislands.gov.ck

3. GMDSS Master Plan

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

No

[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 2016		Year 2017		Year 2018	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
2	xx.x Mins	xx	xx.x Mins	2	xx.x Mins

4. NAVTEX Coverage:

Cook Islands does not broadcast coastal warnings via NAVTEX

5. Operational Issues:

Receiving and transmitting becomes difficult the further you are away from the main islands, sometime very difficult to hear.

6. Contingency Planning

Navigational warning affecting SOLAS ships are sent to the NAVAREA XIV Coordinator.

7. Capacity Building

Ministry of Transport and Cook Islands National Hydrographic office has participate in the pat MSI training and last year the MSI coordinators attended training 6-10 August 2018, Cook Islands attended and MSI training course hosted by LINZ and funded through the South West Pacific Hydrographic Commission (SWPHC) Capacity Building Committee work programme other Pacific Island countries under New Zealand (NAVAREA XIV) also attended the MSI training.

8. Other Activities

Ministry of Transport (MSI) provide assistance and supports the Cook Islands Rescue Coordination Centre (RCC) for Search and Rescue (SAR) purpose.

9. National Maritime Website

www.transport.gov.ck

10. Recommendations

It is strongly recommended that the Capacity Building Fund provides assistance in dispatching necessary experts to Cook Islands for conducting a feasibility study for the provision of GMDSS equipment for broadcasting of MSI under NZ guidance.

11. Summary

This self-assessment report highlights the MSI activities for the year 2018. Cook Islands is very actively involved in providing MSI services to the maritime industry locally including local operations and RCC New Zealand and LINZ