



## INTERNATIONAL HYDROGRAPHIC ORGANIZATION

### NATIONAL REPORT FROM NEW ZEALAND TO THE SWPHC14

Reference: IHO Resolution 2/1997 as amended

#### Executive summary

##### 1. Hydrographic Office / Service:

- a) Name of the institution: Land Information New Zealand (LINZ)
- b) Description: [*General description, including updates for the IHO Yearbook e.g. reorganization*]  
The National Hydrographer (Adam Greenland) and Group Manager Hydrography (Tim Holloway) lead the New Zealand Hydrographic Authority (NZHA) in partnership. Both positions report to the Deputy Chief Executive Location Information, Jan Pierce.

The NZHA comprises 16 personnel, including three hydrographic surveyors and five nautical cartographers. A Technical Change Leader has recently been appointed who will lead a programme of work to move the NZHA to a digital first, data centric environment.

- c) Submitted by: Stuart Caie, Senior Hydrographic Surveyor, [scaie@linz.govt.nz](mailto:scaie@linz.govt.nz)

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

##### 2. Surveys:

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

- a) Coverage of new surveys:

Survey Number	Area	Completed
HYD-1415-HS43	North Island, East Coast – Houhora Harbour	June 2015
HYD-1415-HS44	North Island, East Coast – Mangonui Harbour	June 2015
HYD-1516-HS46	North Island, East Coast – Doubtless Bay & Rangaunu Harbour	June 2016
HYD-1516-HS47	North Island, East Coast – Whangauru Harbour	June 2016
HYD-1516-HS48	North Island, West Coast – Hokianga Harbour	June 2016
HYD-1516-HS49	North Island, East Coast – Parengarenga Harbour	June 2016
HYD-1617-HS51	South Island, North Coast – Queen Charlotte Sound and Tory Channel*	Underway
HYD-1617-HS52	North Island, East Coast – Kawau Bay	Underway
HYD-1617-HS53	North Island, East Coast – Approaches to Auckland	Underway
HYD-1617-HS54	North Island, East Coast – Tamaki Strait	Underway

\*Collaboration with Marlborough District Council to collect bathymetry and backscatter data for scientific purposes.

During July and August 2015 the New Zealand Royal Navy (RNZN) deployed to the SWP for Operation CALYPSO. An opportunity was taken to conduct surveys in Nuku'alofa and 'Eua.

b) New technologies and /or equipment

The NZHA is currently reviewing their specifications for hydrographic surveys (HYSPEC) in line with the move to a digital first, data centric environment. Technologies such as Satellite Derived Bathymetry will be investigated.

c) New ships

LINZ does not own or operate survey vessels. The annual national survey programme is delivered through a fully contestable procurement process.

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:

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

Paper charts	192 (includes 8 fathom charts)
Electronic Navigational Charts (ENC)	263
Raster Navigational Charts (RNC)	184

a) ENCs

To date LINZ has published a total of 263 official NZ ENCs.

Detailed information of the full NZ 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](http://www.iho.int).

b) ENC Distribution method

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

NZMariner is the product name of New Zealand's Official RNC folio, and is available for download in unencrypted BSB format, at no charge from the LINZ website at <http://www.linz.govt.nz/sea/charts/nzmariner-official-raster-navigational-charts-rncs>.

In total there are 184 BSB files. The NZ paper chart folio contains a number of fathom charts on undetermined datums, particularly in Tonga and Samoa. These are not included in the RNC folio.

LINZ publishes NZMariner annually plus a monthly cumulative update file of corrections published in Notices to Mariners.

d) INT charts

LINZ intends to cancel INT 630 (NZ 14630) and publish NZ 93 as an INT chart. We are set to commence a consultation process for these amendments in due course, and will assess how this may affect the ENC schemas in the region.

e) National paper charts

NZ has a total of 192 paper charts. Detailed information of the full NZ chart portfolio can be found on the LINZ website at <http://www.linz.govt.nz/sea/charts/paper-charts>.

<b>New Zealand Paper Charts published since the SWPHC13 Meeting</b>		
New Zealand Total: 15 NC: 0 NE: 15	South West Pacific Total: 0	Antarctica Total: 0

<b>New Zealand Paper Charts scheduled for publication in 16/17 FY</b>		
New Zealand Total: 32 NC: 0 NE: 32	South West Pacific Total: 7 NC: 1 NE: 6	Antarctica Total: 0

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:

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

a) New Publications

The NZ publications are available in whole or part to download from the LINZ website at: <http://www.linz.govt.nz/sea>.

The New Zealand Nautical Almanac 2014/15 Edition (NZ 204) is also available in hardcopy from chart retailers.

b) Updated publications

<b>Publication</b>	<b>Title</b>	<b>Published:</b>	<b>Edition</b>
NZ 202	<a href="#">New Zealand Chart Catalogue</a>	Electronic copy only	Ed 15
NZ 204	<a href="#">New Zealand Nautical Almanac</a>	June 2016	2016/17

c) Means of delivery, e.g. paper, digital

The New Zealand Nautical Almanac (NZ 204) is available in hardcopy from chart retailers.

The NZ publications are available in whole or part to download from the LINZ website at: <http://www.linz.govt.nz/sea>.

The New Zealand Chart Catalogue is available for download as a [PDF document](#)

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

## 5. MSI

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

### a) Existing infrastructure for transmission

LINZ 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/notices-mariners/subscribe-fortnightly-edition-notices-mariners>) and available online at <http://www.linz.govt.nz/sea/maritime-safety/notices-mariners>.

Copies of New Zealand NtMs can be obtained from LINZ, including PDF format on the LINZ website; Maritime New Zealand; and chart retailers at the major ports of New Zealand.

A dedicated email address has been established for receipt of information pertinent to NtMs, [ntm@linz.govt.nz](mailto:ntm@linz.govt.nz).

LINZ is the NAVAREA XIV Coordinator [navareaxiv@linz.govt.nz](mailto:navareaxiv@linz.govt.nz). National Coordinators are listed below:

COUNTRY	TELEPHONE	FACSIMILE	E-MAIL
Cook Islands	+682 28810	+682 28816	<a href="mailto:stephen.simpson@cookislands.gov.ck">stephen.simpson@cookislands.gov.ck</a>
French Polynesia	+689 541 615	+689 423 915	<a href="mailto:mrccpapeete@mail.pf">mrccpapeete@mail.pf</a>
Fiji	+679 3315 266	+679 3313 127 +679 3303 251	<a href="mailto:msi@msaf.com.fj">msi@msaf.com.fj</a>
New Caledonia	+687 292 332	+687 292 303	<a href="mailto:mrcc.nc@lagoon.nc">mrcc.nc@lagoon.nc</a>
New Zealand	+64 45778030	+64 45778038	<a href="mailto:rccnz@maritimenz.govt.nz">rccnz@maritimenz.govt.nz</a>
Kingdom of Tonga	+676 22 555		<a href="mailto:ktonga@insfrastructure.gov.to">ktonga@insfrastructure.gov.to</a>
Tuvalu	+688 20055	+688 20722	<a href="mailto:nlteiaputi@gmail.com">nlteiaputi@gmail.com</a>
Samoa	+685 7770691	+685 28688	<a href="mailto:tafai@mwti.gov.ws">tafai@mwti.gov.ws</a>
Wallis & Futuna			<a href="mailto:mrcc.nc@lagoon.nc">mrcc.nc@lagoon.nc</a>

### b) New infrastructure in accordance with GMDSS Master Plan

No new infrastructure. The GMDSS Master Plan is up to date as at July 2016.

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

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

## a) Training received, needed, offered

Through the MFAT NZ Aid Programme, Pacific Regional Navigation Initiative (PRNI) (see 7.3 below), LINZ, in partnership with the Secretariat of the Pacific Community (SPC), will provide targeted regional capacity building support to those Pacific Island Countries (PICs) within the scope of the PRNI. For LINZ this means the Cook Islands, Niue, Samoa, Tokelau and Tonga where New Zealand is the Primary Charting Authority (PCA).

LINZ has challenges in recruiting experienced staff. With few qualified and/or experienced candidates available and only one IBSC recognized Category B Hydrographic Surveying course in the region, it has been necessary to recruit from further afield. The challenge continues in retaining such staff, particularly due to the remoteness of NZ from their home countries. As such, NZ sees a real need for Hydrography and Cartography programmes to be developed and delivered in-region.

LINZ hosted SWPHC Capacity Building IHO Maritime Safety Information (MSI) Training Course in Wellington, in August 2016.

IHO Technical Assessment Visits to Niue and Samoa were undertaken by NZ in February and August 2016, respectively.

IHO 2 day workshop for PICs in Formulating & Implementing Strategic Development Plans for Hydrography, 28-29 Nov 2016.

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

## a. In 2011 LINZ and MFAT NZ Aid agreed an MOU, under the South West Pacific Regional Hydrographic Programme, to accelerate ENC production in the New Zealand area of charting coverage and undertake a risk assessment of PICs to prioritise chart improvements.

The methodology for the Hydrography Risk Assessment as well as risk assessment reports for Vanuatu, Cook Islands and Tonga are available from the [IHO website](#).

## b. In 2015 a partnership between LINZ, MFAT and SPC continued the above work through the Pacific Regional Navigation Initiative (PRNI), which will focus on navigation-related aspects of maritime safety. It builds on the successes and lessons learned particularly in relation to charting and risk assessment work by:

- i. discovering relevant hydrographic data within the region
- ii. undertaking hydrographic risk assessments in additional selected PICs

- iii. supporting hydrographic capability building initiatives throughout the Pacific
- iv. implementing hydrographic surveys and updating maritime charts
- v. supporting the development of a partnership consortium model

The primary focus for LINZ is on assisting those five PICs where New Zealand is the Primary Charting Authority (PCA), namely Cook Islands, Niue, Samoa, Tonga and Tokelau.

To-date:

- a Hydrography Risk Assessment for Niue has been completed and presented to the Government of Niue (report is available on the [IHO website](#));
- a bilateral arrangement with the Cook Islands has been signed;
- draft bilateral arrangement with Tonga in progress;
- chart improvement programmes for the Cook Islands and Tonga have been agreed;
- chart improvement programmes for Niue and Samoa have been proposed.

- c) Description of requests to be considered by the IHO/CBSC  
Hydrography and Cartography programmes to be developed and delivered in-region.

## 8. Oceanographic activities

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

### a) General

Within New Zealand there are two Crown Research Institutes involved in oceanographic studies: NIWA, the National Institute of Water and Atmospheric <http://www.niwa.co.nz/>; and GNS Science <http://www.gns.cri.nz/>.

Both operate data portals allowing users to discover and access a wide range of geoscience data across New Zealand.

- GNS: <http://data.gns.cri.nz/dataportal/>

- NIWA: <https://marinedata.niwa.co.nz/project-map-sam/>

### b) GEBCO/IBC's activities

Seabed 2030: New Zealand is investigating how it may lead a South Pacific initiative through a South Pacific Centre which would be physically based in New Zealand. This would be a partnership between GNS, NIWA and LINZ.

### c) Tide gauge network

LINZ publishes tide predictions for Standard and Secondary Ports on the web <http://www.linz.govt.nz/sea/tides>.

Between 2007 and 2010 LINZ, in partnership with GNS Science, established a network of 18 tide gauges to improve New Zealand's response to tsunami hazards. Further information is available at <http://www.linz.govt.nz/sea/tides/sea-level-data>.

## 9. Other activities

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

a) Participation in IHO Working Groups

Working Groups since SHPHC13 Meeting	Date
IBSC38	March/April 2015
CBSC13	May 2015
IRCC7	June 2015
IBSC39	April 2016
WWNWS8	September 2016

Future Activities Include:	
IBSC40	March 2017
IHO General Assembly	April 2017
HCA15	June 2017

b) Geospatial studies

The New Zealand Geospatial Office (NZGO) coordinates the implementation of the New Zealand Geospatial Strategy and is located within LINZ (<http://www.linz.govt.nz/about-linz/our-location-strategy>).

c) Magnetic/Gravity surveys

LINZ has completed a five-year project to improve the accuracy of its national vertical datum. This improvement was principally achieved by the incorporation of airborne gravity dataset into the national geoid model that defines the datum.

The New Zealand Vertical Datum 2016 was released in June 2016, along with improved relationships to the local terrestrial vertical datums that are used across New Zealand. See <http://www.linz.govt.nz/data/geodetic-system/datums-projections-and-heights/vertical-datums/new-zealand-vertical-datum-2016-nzvd2016> for further details.

d) MSDI Progress

The NZHA has commenced a programme of work that will enable them to move to a digital first, data centric model of delivering products and services that meet the requirements of an MSDI.

The New Zealand Geospatial Office (NZGO) has developed a comprehensive work programme for the implementation of a national Spatial Data Infrastructure. More information can be found at <http://www.linz.govt.nz/about-linz/our-location-strategy/sdi-and-open-government-data-programme>.

LINZ is the Steward of the New Zealand bathymetric dataset. In October 2015 LINZ completed an investigation to gain an understanding of NZ bathymetry to inform the future development and coordination of this fundamental data theme. <http://www.linz.govt.nz/about-linz/what-were-doing/projects/new-zealand-bathymetry-investigation>.

The NZHA is the Custodian of LINZ bathymetric data holdings and have the responsibility to; ensure the appropriate data management policies and standards are developed to maintain the data; and ensure the data is available and discoverable. In May 2016 NZHA published a series of indexes to data holdings, allowing users to

identify and request data through the [LINZ Data Service](#).

e) International

Attendance at:

- 7<sup>th</sup> International Conference on High-Resolution Surveys in Shallow Water, September 2015.
- International Federation of Surveyors (FIG) Working Week, May 2016.
- 16<sup>th</sup> meeting of the IC-ENC Steering Committee, September 2016.

## 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 RHC*

NZ is committed to hydrography in the SWP region, collaborating with others under the umbrella of the SWPHC, most notably through the MFAT NZ Aid Programme PRNI, working in partnership with SPC. Through PRNI NZ has delivered a hydrography risk assessment for Niue; signed a bilateral arrangement with the Cook Islands; and is progressing chart improvements for the Cook Islands, Niue, Samoa and Tonga.

This years NZ hydrographic survey programme has developed a new model of collaboration to procure and collect hydrographic and bathymetric data for science purposes, to update nautical charts and enable habitat mapping in environmentally sensitive areas.

The next eighteen months will see further initiatives as NZ moves from a paper based environment to a digital first, data centric model, with a future focus on delivering an MSDI for NZ.

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

Country: *New Zealand*  
 Organization: *Land Information New Zealand (LINZ)*

<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: National Hydrographer Name: Adam Greenland Postal address: Level 7, Radio New Zealand House, 155 The Terrace, Wellington 6145, New Zealand Tel: +64 4 460 0110 Fax: +64 4 472 2244 Email: <a href="mailto:customersupport@linz.govt.nz">customersupport@linz.govt.nz</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: 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	<a href="http://www.linz.govt.nz/sea">www.linz.govt.nz/sea</a>
<b>Country information / Informations sur le pays/ Información sobre el país</b>	
-Declared National Tonnage -Tonnage national déclaré -Tonelaje Nacional Declarado	Tonnage: 296,752 Date: 2016
-National day -Fête nationale -Fiesta nacional	6 February
-Date of establishment and Relevant National Legislation -Date de mise en place et législation nationale pertinente -Fecha de constitución y legislación nacional pertinente	1996

-Date first joined IHO -Date d'adhésion à l'OHI -Fecha de adhesión a la OHI	01/01/1959
-Date ratification Convention -Date de ratification de la Convention -Fecha de ratificación de la Convención	21/12/1967
-Remarks on membership -Remarques sur l'adhésion -Comentarios sobre la adhesión	Included under 'British Empire' with the UK from 1947
<b>Agency information/ Information sur l'agence/ Información sobre la agencia</b>	
-Top level parent organisation -Organisme mère -Organización asociada de nivel superior	Land Information New Zealand (LINZ)
-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"> <li>• Hydrographic surveys</li> <li>• Tidal services</li> <li>• Produce, maintain and distribute official nautical products and publications:</li> <li>• NAVAREA XIV Coordinator</li> </ul>
-Annual operating budget -Budget annuel -presupuesto anual	
-Total number of staff employed -Effectifs totaux -Número total de personal empleado	530 LINZ in total 17 NZHA
-Number of INT charts published -Nombres de cartes INT publiées -Número de cartas INT publicadas	29
-Total number of paper charts published-Nombre total de cartes papier publiées-Número total de cartas de papel publicadas	192

-Number of ENC cells published -Nombres de cellules ENC publiées -Número de células ENC publicadas	263			
-Number of Other charts -Nombre d'Autres cartes -Número de Otras cartas				
-Type of publications produced -Type d'ouvrages produits -Tipo de publicaciones producidas	Charts - paper, raster and ENC Nautical Almanac Notices to Mariners Chart Catalogue			
-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: New Zealand

<b>C-55 Summary for:</b>				<b>Comments on Charts:</b>
Country:	New Zealand			
Country Iso Code:	NZ			
Country SubCode:				
INT Region:	L			
Country/Depend:				
Last updated:	October 2013			
Provided by:	New Zealand Hydrographic Authority			
<b>Chart coverage</b>	<b>Passage (%)</b>	<b>Coastal (%)</b>	<b>Port (%)</b>	<b>Comments on Surveys:</b>
INT	100	100	na	
RNC	100	100	100	
ENC	100	100	100	
<b>Status of Paper Charts</b>				
Paper charts with depths in meters (%)			100	
Paper charts referenced to a satellite datum (%)			100	
<b>Status of surveys</b>	<b>Adequate (%)</b>	<b>Resurvey (%)</b>	<b>No survey (%)</b>	
0-200m	77	23	0	
> 200m	3	9	87	

<b>MSI</b>	<b>Y/N</b>	<b>Comments on MSI:</b>
Local warning	Y	Promulgated by harbour masters
Coastal warning	Y	Promulgated by National Coordinator, NZ Rescue Coordination Center, Maritime New Zealand (MNZ)
Nav warning	Y	NAVAREA XIV Coordinator
Port warning	Y	
<b>GMDSS</b>	<b>Y/N</b>	<b>Comments on GMDSS:</b>
Master Plan	Y	Coordinated by MNZ
Area A1	N	
Area A2	N	
Area A3	Y	
NAVTEX	N	
SafetyNet	Y	NAVAREA XIV messages broadcast via SafetyNET (POR)

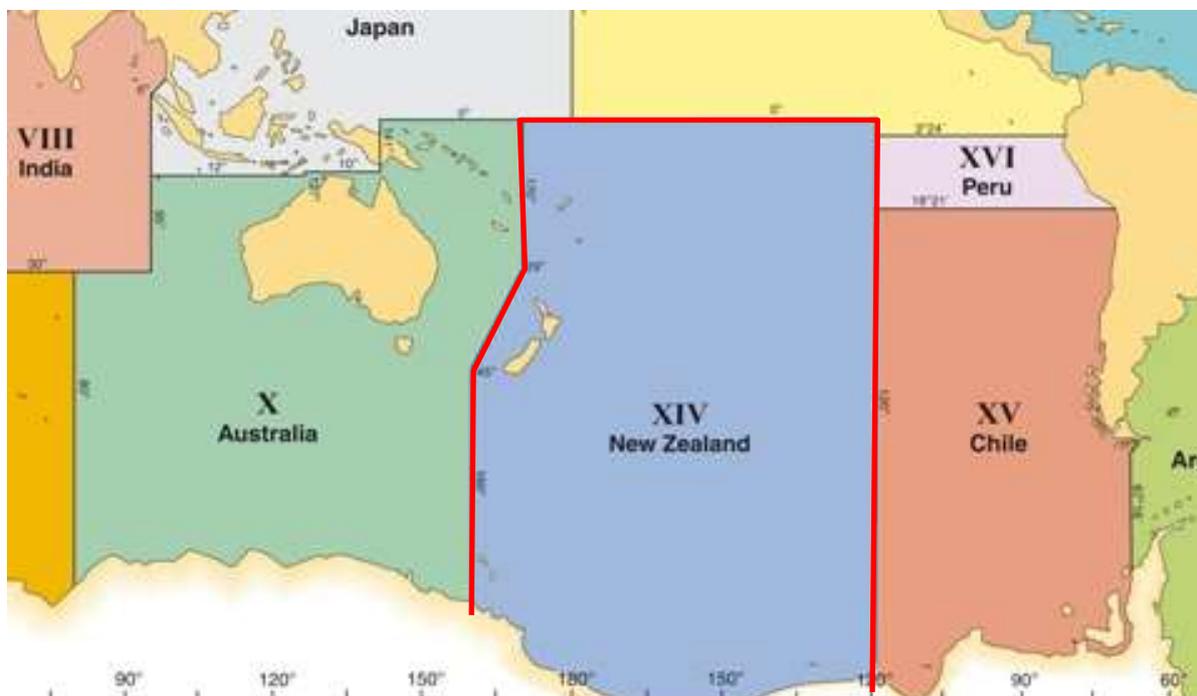
## National MSI Self-Assessment

*Country: New Zealand*  
*Organization: Land Information New Zealand*

## 1. Maritime area

The limits of NAVAREA XIV are given as:

00° 00'N, 120° 00'W to  
73° 50'S, 120° 00'W (Antarctic coast) then  
69° 37'S, 160° 00'E (Antarctic coast) to  
45° 00'S, 160° 00'E to  
29° 00'S, 170° 00'E to  
00° 00'N, 170° 00'E



New Zealand Coastal Warning Area 'Z' is depicted below.



NAVAREA XIV and New Zealand Coastal Warnings are broadcast via:

**Taupo Maritime Radio ZLM (Radio Telephony)** at the first scheduled time following receipt and then at the scheduled times as per ALRS Vol 3(2), 2012/2013 Edition whilst the warnings are in force or until they have been promulgated by other means; and

**Inmarsat-C EGC SafetyNET system** via the Pacific Ocean Region (POR) satellite through the Land Earth Station (LES) at Burum, Netherlands on receipt and as part of scheduled broadcasts 0900 and 2100 UTC.

The warnings are broadcast and monitored by Taupo Maritime Radio through a Mobile Earth Station (MES). The Australian Maritime Safety Authority (AMSA) assists New Zealand in monitoring repeat EGC transmissions via an EGC supervisory system. Transmitted NAVAREA XIV and New Zealand Coastal Navigation Warnings are emailed to Taupo Maritime Radio, where the Coastal Warnings are checked, and NAVAREA XIV warnings are forwarded to the NAVAREA XIV Coordinator.

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

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Cook Islands	Ministry of Transport	+(682) 28810	+(682) 28816	<a href="mailto:stephen.simpson@cookislands.gov.ck">stephen.simpson@cookislands.gov.ck</a>
French Polynesia	MRCC Papeete	+(689) 541 615	+(689) 423 915	<a href="mailto:mrccpapeete@mail.pf">mrccpapeete@mail.pf</a>
Fiji	Maritime Safety Authority Fiji	+(679) 3315 266	+(679) 3303 251	<a href="mailto:msi@msaf.com.fj">msi@msaf.com.fj</a>

New Caledonia	MRCC New Caledonia	+(687) 292 332	+(687) 292 303	<a href="mailto:mrcc.nc@lagoon.nc">mrcc.nc@lagoon.nc</a>
New Zealand	RCCNZ	+(64) 45778030	+(64) 45778038	<a href="mailto:rccnz@maritimenz.govt.nz">rccnz@maritimenz.govt.nz</a>
Kingdom of Tonga	Ministry of Infrastructure, Marine & Ports Division	+(676) 22 555		<a href="mailto:sanele@infrastructure.govt.to">sanele@infrastructure.govt.to</a>
Wallis & Futuna	MRCC New Caledonia			<a href="mailto:mrcc.nc@lagoon.nc">mrcc.nc@lagoon.nc</a>

### 3. GMDSS Master Plan

The GMDSS Master Plan is up to date as at July 2016.

Equipment and software used by NZ to monitor NAVAREA XIV EGC broadcasts are:

Equipment Type	Software Version	Date of Up-date
Thrane & Thrane easyMail	V2.00	Build 025

The following quantity of MSI was received and reviewed

#### NAVAREA XIV

2013				2014				2015			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
296	-	-	-	187	-	-	-	196	-	-	-

#### NZ Coastal Warning Area 'Z'

2013				2014				2015			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
351*				344*				332*			

\* Total correspondence received and assessed for relevance as navigational warnings. Records do not allow separation into separate media (telephone, email, etc.)

### 4. NAVTEX Coverage:

New Zealand does not broadcast coastal warnings via NAVTEX. The maritime areas around New Zealand have been designated GMDSS Sea Area A3. Given that ships are required to

carry equipment appropriate to the area that they are sailing in, carriage of an Inmarsat-C MES is mandatory for SOLAS vessels. Coastal warnings are broadcast using SafetyNET.

#### 5. Operational Issues:

No operational issues to report.

NAVAREA XIV promulgates Warnings In Force bulletins.

Text of NAVAREA XIV and NZ Coastal Navigational Warnings in force is available on the web page <http://www.linz.govt.nz/sea/maritime-safety/new-zealand-radio-navigational-warnings> and reprinted in the fortnightly editions of New Zealand Notices to Mariners.

#### 6. Contingency Planning

NAVAREA XII has informally offered to promulgate messages if the need arises.

RCC New Zealand has comprehensive redundancy systems in place, and access to a remote Disaster Recovery site where the provision of WWNWS can continue.

There is an informal arrangement between the out-sourced marine communications centres in Canberra and Wellington. Maritime Operation Centre (MOC) also provides ad-hoc support for other national coordinators in NAVAREA XIV.

#### 7. Capacity Building

Between 22<sup>nd</sup> and 24<sup>th</sup> August 2016, New Zealand hosted an MSI Training Course funded through South West Pacific Hydrographic Commission (SWPHC) Capacity Building Committee Work Programme. The training was led by New Zealand (NAVAREA XIV), and attended by 17 participants from Cook Islands, Fiji, French Polynesia, Kiribati, New Caledonia, New Zealand, Niue, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu.

#### 8. Other Activities

LINZ and the Ministry of Foreign Affairs & Trade (NZ Aid programme) are working together on the Pacific Regional Navigation Initiative (PRNI), a 5 year programme to improve maritime safety throughout the region. This project includes; hydrography risk assessments for Niue (completed), Samoa and Tokelau; capacity building to assist PICs reach Phase 1 of the IHO Capacity Building Strategy, in particular, the establishment of a National MSI Coordinator position.

#### 9. National Maritime Website

NAVAREA XIV and Coastal Navigational Warnings in force are available on the Land Information New Zealand (LINZ) website <http://www.linz.govt.nz/sea/maritime-safety/new-zealand-radio-navigational-warnings>. While every effort is made to keep the information up-to-date it may not always be possible to add and cancel warnings in real-time. The website displays the date and time of the last update.

Website statistics (1 March- 24 August 2016)

Countries accessing website : Australia, New Zealand, Spain, Sweden, Ukraine, United Kingdom, United States of America.

Total number of ‘hits’ : 370

Number of unique ‘hits’ : 272

10 requests received to provide warnings in force direct to vessel.

A list of NAVAREA XIV and Coastal Navigational Warnings in force is reprinted in the fortnightly editions of the New Zealand Notices to Mariners which are available from the LINZ website <http://www.linz.govt.nz/sea/maritime-safety/notices-mariners>.

10. Recommendations

Note the information provided.

11. Summary

The NAVAREA XIV self-assessment report highlights MSI activities for the period since WVNWS7. NZ is actively involved with a number of IMO and IHO Sub-Committees and Working Groups; and capacity building in the SWP region through the Regional Hydrographic Commission and the NZ Aid Programme, PRNI.