

**17<sup>TH</sup> MEETING OF THE SOUTH WEST PACIFIC HYDROGRAPHIC  
COMMISSION (SWPHC17)  
Wollongong, 12-14 February 2020**

**NATIONAL REPORTS FROM KIRIBATI TO THE SWPHC17**

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](#)

**Executive summary**

1. Hydrographic Office / Service:
  - a) Name of the institution: [*Ministry of Information, Communications, Transport and Tourism Development*]
  - b) Description: Hydrographic Unit to be established; Mr. Uriam to return from Cat. A training at the University of New Hampshire (Centre for Coastal and Ocean Mapping/NOAA-UNH Joint Hydrographic Centre) at the end of 2020.
  - c) Submitted by: Eritaia Tauro  
Email: eritaia.tauro@mcttd.gov.ki

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: None
  - b) New technologies and /or equipment: None
  - c) New ships: None
  - d) Crowdsourced and satellite-derived bathymetry - national policy: None
  - e) Challenges and achievements: No hydrographic equipments/ facilities.

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: None
  - b) ENC distribution method: No
  - c) RNCs: None
  - d) INT charts: 4

- e) National paper charts: 10
- f) Other charts, e.g. for pleasure craft: None
- g) Challenges and achievements: No ENCs and RNCs available

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: No
- b) Updated publications: None
- c) Means of delivery, e.g. paper, digital: None
- 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: e-mail, HF, MF and VHF
- b) Statistics on work of the National Coordinator:
- c) New infrastructure in accordance with GMDSS Master Plan: None
- d) Challenges and achievements: Lack of infrastructure and MSI messages are continued to send to NAVAREA XI via e-mail for promulgation through safetynet (inmarsat c).

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:
  - Simplified IALA Risk Assessment (SIRA) for AtoNs
  - CME Seminar and workshop
  - Survey on wooden boats
- b) Training received, needed, offered:
  - Received training on wooden boats survey in March, July and Oct 2019 under the Pacific Maritime Safety Program;

- Received training on PDISS in March 2019 conducted by SPC;
  - Received awareness training from UKHO in June 2019;
  - Received training from SPC for AtoN Manager Level 1, Aug – July 2019
  - Received training for staff member to do a Cat A at the University of New Hampshire. The programme is funded by GEBSCO/Nippon Foundation
  - CME Seminar and Workshop at UKHO from Nov 2019;
  - SPC provide training to Kiribati on AtoNs Risk Assessment in Kiritimati Island from Nov – Dec 2019.
- a) Status of national, bilateral, multilateral or regional development projects with a hydrographic component:
- The Government of Kiribati has it plans to provide Hydrographic survey to 4 outer islands namely Abaiang, Nonouti, Tabiteuea South and Beru through the Kiribati Outer Island Transport Infrastructure Investment Project (KOITIIP). Kiribati has an obligation to ensure that both paper charts and electronic navigational charts (ENCs) are available in accordance with the government obligations set out under Regulation 9 (hydrographic services) and Regulation 4 (navigational warnings) of Chapter V of SOLAS. This obligation helps to ensure that all vessels operating in the world’s seas and oceans can do so safely and efficiently, thereby preventing loss of life and protecting the marine environment.
- b) Description of proposals and requests to the IHO/CBSC
- request funding assistance for the provision of a TA to develop hydrographic regulation/legislation
8. Oceanographic activities  
*[Describe any significant developments in oceanographic activity since the last SWPHC meeting related to the items below]*
- a) General: None
  - b) GEBSCO/IBC’s activities: Officer currently trained and funded through GEBSCO/Nippon foundation to do Cat A training at UNH
  - c) Tide gauge network: None
  - d) New equipment: None
  - e) Challenges and achievements: No expertise
9. Spatial data infrastructures
- a) Status of MSDI: None
  - b) Relationship with the NSDI: None
  - c) Geospatial studies: Hydrographer attended GNSS workshop that was conducted by the Unite Nations Office for Outer Space Affairs, 24<sup>th</sup> – 28<sup>th</sup> June 2019.
  - d) Involvement in regional or global MSDI efforts: None
  - e) National implementation of the Shared Data Principles – including any national data policy and impact on marine data.
  - f) MSDI national portal: None
  - g) Best practices and lessons learned: None

h) Challenges and achievements: Lack of Expertise

#### 10. Innovation

- a) Use of new technologies: None
- b) Risk assessment: AtoNs risk assessment on SIRA tools
- 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: CME Seminar and workshop at UKHO from Nov 2019
- b) Meteorological data collection: None.
- c) Geospatial studies: Hydrographer attended GNSS workshop that was conducted by the United Nations Office for Outer Space Affairs, 24<sup>th</sup> – 28<sup>th</sup> June 2019.
- d) Preparation for responses to disasters: Disaster Division at the Office of the President deals with Disaster responses
- e) Environmental protection: 5<sup>th</sup> Intersessional Working Group on Reduction of Green House Gas Emissions from ships and 74 Session of Marine Environment Protection Committee (ISWG – GHG5 and MEPC 74) in May 2019 at London England;
- f) Engagement with the Maritime Administration:
- g) Aids to Navigation matters: One staff attended AtoN Manager Level 1 course in Suva Fiji from June to July 2019 conducted by SPC, AtoN risk assessment conducted at Kiritimati Island from Nov – Dec 2019.
- h) Magnetic and gravity surveys: None
- i) International engagements: World Bank and Asian Development Bank to fund Kiribati Outer Islands Transport, Infrastructure and Investment Project (KOITIIP)
- j) Others: PACSAR 8 conference in Honolulu Hawaii in Nov 2019

#### 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]*

a) Area of significant achievement:

- BA 729, 730, 731 chart covering International sea port has been updated.
- Received satellite derived bathymetry data for all islands in Kiribati (33 islands)

b) Areas of Particular concern:

- Improving hydrographic knowledge in Kiribati in the interests of national development.
- Risk Assessment.
- Hydrographic survey to the three Ports such as Betio, Kiritimati, Tabuaeran plus Kanton Island in the Kiribati group.
- Nautical charts improvement. All charts to be converted to the WGS 84 projection.

c) Any other matters of interest to the RHC]

- Will have trained personnel by the end of 2020 with Cat A qualifications to run Hydrographic Unit
- Have with us satellite derived bathymetry data for all the islands of Kiribati (33 islands) provided by UKHO.

Input to the IHO Publication P-5 (*Yearbook*)*Country: Kiribati**Organization: Ministry of Information, Communications, Transport and Tourism  
Development*

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

<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: No change 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: No change Name: Postal address: Tel: Fax: Email:
-Other point(s) of contact -Autre(s) point(s) de contact -Otros punto(s) de contacto	No change
-Web site -site web -sitio web	No change
<b>Country information / Informations sur le pays/ Información sobre el país</b>	
-Declared National Tonnage -Tonnage national déclaré -Tonelaje Nacional Declarado	Tonnage: Date:
-National day -Fête nationale -Fiesta nacional	No change
-Date of establishment and Relevant National Legislation -Date de mise en place et législation nationale pertinente	No change

-Fecha de constitución y legislación nacional pertinente	
-Date first joined IHO -Date d'adhésion à l'OHI -Fecha de adhesión a la OHI	No change
-Date ratification Convention -Date de ratification de la Convention -Fecha de ratificación de la Convención	No change
-Remarks on membership -Remarques sur l'adhésion -Comentarios sobre la adhesión	In progress
<b>Agency information/ Information sur l'agence/ Información sobre la agencia</b>	
-Top level parent organisation -Organisme mère -Organización asociada de nivel superior	No change
-Principal functions of the organisation or the department -Attribution principales de l'organisme ou du département -Principales funciones de la Organización o departamento	No change
-Annual operating budget -Budget annuel -presupuesto anual	
-Total number of staff employed -Effectifs totaux -Número total de personal empleado	27 within Marine Division
-Number of INT charts published -Nombres de cartes INT publiées -Número de cartas INT publicadas	No change
-Total number of paper charts published-Nombre total de cartes papier	No change

publiées-Número total de cartas de papel publicadas				
-Number of ENC cells published -Nombres de cellules ENC publiées -Número de células ENC publicadas	No change			
-Number of Other charts -Nombre d'Autres cartes -Número de Otras cartas	No change			
-Type of publications produced -Type d'ouvrages produits -Tipo de publicaciones producidas	No change			
-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: \_\_\_\_\_

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

<b>C-55 Summary for:</b>				<b>Comments on Charts:</b>
Country:				
Country Iso Code:				
Country SubCode:				
INT Region:				
Country/Depend:				
Last updated:				
Provided by:				
<b>Chart coverage</b>	<b>Passage (%)</b>	<b>Coastal (%)</b>	<b>Port (%)</b>	<b>Comments on Surveys:</b>
INT				
RNC				
ENC				
<b>Status of Paper Charts</b>				
Paper charts with depths in meters (%)				
Paper charts referenced to a satellite datum (%)				
<b>Status of surveys</b>	<b>Adequate (%)</b>	<b>Resurvey (%)</b>	<b>No survey (%)</b>	
0-200m				
> 200m				

<b>MSI</b>	<b>Y/N</b>	<b>Comments on MSI:</b>
Local warning	Yes	No change
Coastal warning	Yes	
Nav warning	Yes	
Port warning	Yes	
<b>GMDSS</b>	<b>Y/N</b>	<b>Comments on GMDSS:</b>
Master Plan		No change
Area A1		
Area A2		
Area A3		
NAVTEX		
SafetyNet		

## National MSI Self-Assessment

*Country: Kiribati**Organization: Ministry of Information, Communications, Transport and Tourism  
Development*

(Please provide the information in English)

## 1. Maritime area

*No change*

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

<b>INSTITUTION</b>	<b>TELEPHONE</b>	<b>FACSIMILE</b>	<b>EMAIL</b>
MICTTD/ Marine Division	+686 74026003\ +686 73022727		Eritaia.tauro@mcttd.gov.ki

## 3. GMDSS Master Plan

*No Master plan in place.*

<b>Equipment Type for Ports and Local Area</b>	<b>Software Version</b>	<b>Date of Up-date</b>

*[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]:*

<b>Year Y-2</b>		<b>Year Y-1</b>		<b>Year Y</b>	
<b>Total</b>	<b>Average elapsed time</b>	<b>Total</b>	<b>Average elapsed time</b>	<b>Total</b>	<b>Average elapsed time</b>
xx	xx.x Mins	xx	xx.x Mins	xx	xx.x Mins

## 4. NAVTEX Coverage: No change

*[Diagram of NAVTEX stations and service areas within maritime area; Contact details for NAVTEX Stations; Confirm operational status has been validated.]*

## 5. Operational Issues: No change

*[New infrastructure in accordance with GMDSS Master Plan; Problems encountered?]*

## 6. Contingency Planning: No change

*[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:

Training received: No training received on MSI in 2019

Request more trainings on MSI.

*[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

- *Attending CME Seminar and Workshop at UKHO in Nov - Dec 2019;*
- *Participated in Seabed 2030 South West Pacific Workshop held in Wellington New Zealand, 3<sup>rd</sup>-6<sup>th</sup> March, 2019;*
- *5<sup>th</sup> Intersessional working group on reduction of green gas house emissions from ship and 74 session of Marine Environment Protection Committee (ISWG – GHG and MEPC 74) May 2019*
- *6<sup>th</sup> ISWG- GHG and MEPC*

*[Participation in other IHO or IMO Working Groups, Regional Hydrographic Commissions, regional conferences related to MSI over past year]*

## 9. National Maritime Website: No change

*[(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?)]Yes*

## 10. Recommendations:

- *A Full time TA for Hydrography to assist Marine Division*
- *More training and Capacity building on MSI*
- *Seeking urgent assistance from Developed countries or from relevant international agencies and regional agencies such as SPC-SOPAC, to carry out chart modernization surveys for the following areas:*
  - a. *Tarawa and port Betio,*
  - b. *Kiritimati Atoll (Christmas Island)*
  - c. *Tabuaeran Atoll, formerly called Fanning Island*
  - d. *Aba-Riringa Island (Kanton)*

## 11. Summary:

- *Kiribati is encountered with difficulties in developing of National Hydrography Services for the following reasons:*
  - *There is lack of qualified staff in Kiribati on hydrography*
  - *There is no legislation in place focusing on hydrography*

- There is no TA for Hydrography
- Nautical Charts Improvement: Clear area of need, but needs to be driven nationally
- Capacity building required
- No Hydrographic office,
- No authority and authority remains under Marine Division.

**Note:**

**From this short summary of national report, I would like to bring to your attention that Kiribati requires assistance in order to fulfil its obligations under Regulation 9 and 4 of chapter V of SOLAS.**

*[Please provide a short summary of this paper which will be included in the final report of the meeting.]*