



## INTERNATIONAL HYDROGRAPHIC ORGANIZATION

### NATIONAL REPORTS FROM *Trinidad and Tobago* TO THE MACHC-18

Reference: IHO Resolution 2/1997 as amended

#### Executive summary

1. Hydrographic Office / Service:
  - a) Description: Hydrographic Unit (HUTT) – provision of hydrographic data outside of port boundaries which include; water depths, tides, obstructions and currents.
  - b) Name of the institution: Ministry of Agriculture Land and Fisheries, Surveys and Mapping Division, Hydrographic Unit.
  - c) Submitted by: Yashpal Singh, hydrographicunittt@gmail.com .

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

2. Surveys:
  - a) Coverage of new surveys: Investigation of Wrecks within the Gulf of Paria for updating of charts.
  - b) New technologies and /or equipment: Single Beam echo Sounder
  - c) New ships: 28ft Fiberglass Vessel for inshore work
  - d) Problems encountered: Funding to procure MBES and Offshore Vessel.

Detailed information about surveys for the 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: UKHO conducts charting on behalf of the Government of Trinidad and Tobago. They Mainiatin and distribute, with data provided by HUTT.
  - a) ENCs
  - b) ENC Distribution method
  - c) RNCs
  - d) INT charts
  - e) National paper charts
  - f) Other charts, e.g. for pleasure craft
  - g) Problems encountered

Detailed information about MSI for the 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.

4. C-55

The table with the updated information for the IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*) is provided in Annex B.

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

- a) Training needed - CAT A and CAT B needed for staff.
- b) Status of national, bilateral, multilateral or regional development projects with hydrographic component. MOA signed in November 2018 for an MOA between UKHO and GORTT for Charting.

6. Oceanographic activities

- a) Tide gauge network- Two radar sensor gauges currently set up. Port of Spain, Trinidad and Scarborough, Tobago. The data is sent to IOC for Tsunami warnings.
- b) New equipment- 3 Additional Radar sensor purchased to be deployed: 2 in Trinidad and 1 in Tobago in 2019. Funding allocated for procurement of a MBES in 2019

7. Conclusions

The HUTT has in 2018 conducted surveys within the Gulf of Paria for the location of wrecks. This data will be provided to the UKHO for the update of Nautical Charts. The unit has also procured 3 new radar sensors for the strengthening of its tidal network to be deployed in early 2019. We are also in the stages of procuring a MBES system under a Public Service Investment programme.

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

Country: Trinidad and Tobago  
 Organization: Hydrographic Unit

<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: Hydrographic Surveyor II Name: Dwight Nanan Postal address: 118 Frederick Street Port of Spain Trinidad and Tobago Tel: 1-868-730-6454 Fax: 1-868-625-3013 Email: <a href="mailto:dwrightnanan@hotmail.com">dwightnanan@hotmail.com</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	Yashpal Singh <a href="mailto:hydrographicunittt@gmail.com">hydrographicunittt@gmail.com</a>
-Web site -site web -sitio web	
<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	
-Date of establishment and Relevant National Legislation -Date de mise en place et législation nationale pertinente -Fecha de constitución y legislación nacional pertinente	1982 Land Surveyors Act #33 of 1996.

-Date first joined IHO -Date d'adhésion à l'OHI -Fecha de adhesión a la OHI	1982
-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	
<b>Agency information/ Information sur l'agence/ Información sobre la agencia</b>	
-Top level parent organisation -Organisme mère -Organización asociada de nivel superior	Ministry of Agriculture Land and Fisheries
-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	HUTT- 12 persons
-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
	Mercator	28ft Fiberglass Vessel	2017	2 Persons
-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: \_\_\_\_\_

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

MSI	Y/N	Comments on MSI:
Local warning		
Coastal warning		
Nav warning		
Port warning		
GMDSS	Y/N	Comments on GMDSS:
Master Plan		
Area A1		
Area A2		
Area A3		
NAVTEX		
SafetyNet		

## National MSI Self-Assessment

Country: \_\_\_\_\_

Organization: \_\_\_\_\_

## 1. Maritime area

*[Describe maritime area including details of the geographic boundaries]*

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

INSTITUTION	TELEPHONE	FACSIMILE	EMAIL

## 3. GMDSS Master Plan

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

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

## 5. Operational Issues:

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

## 6. Contingency Planning

*[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

*[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

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

9. National Maritime Website

*[(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?)]*

10. Recommendations

*[If any]*

11. Summary

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