



17th Conference of the EAthC /
17^{ème} Conférence de la CHAtO

National Report / *Rapport National*

Nigeria

Agenda Item 06.6A



BRIEF DESCRIPTION OF NIGERIAN NAVY HYDROGRAPHIC DEPARTMENT

- Superintends all national hydrographic surveys and nautical chart production for Nigeria.
- Organized into the Administrative, Operation and Marketing units.
- The Hydrographer is the head of the Hydrographic Office and also supervises the Hydrographic fleets and school.



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FRAMEWORK / GENERAL INFORMATION

International
Hydrographic
Organization

BRIEF DESCRIPTION OF NIGERIAN NAVY HYDROGRAPHIC DEPARTMENT (CONT)

Principal functions:

- Hydrographic/Oceanographic surveys,
- chart production,
- Production of Tide prediction tables for Nigerian ports
- Dissemination of maritime safety information to mariners operating within Nigeria's maritime domain and NAVAREA II Region.



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RELATIONSHIP WITH IHO

- NNHO collaborate closely with IHO in the aspect of development of hydrographic capacity in Nigeria and the West African sub region.
- The relationship has yielded capacity building in Hydrography and nautical charting.
- Also, Nigerian Navy is working on an initiative to network IHO with African Development Bank Group to explore ways of developing hydrography in Africa.



SOME RESPONSIBILITIES OF THE NIGERIAN NAVY HYDROGRAPHIC OFFICE

1. Coordination of hydrographic and oceanographic surveying matters for national and defense requirements.
2. Superintendence of hydrographic and oceanographic surveys in Nigerian waters, including the EEZ.
3. Acts as the sole National Authority on hydrographic, charting and tidal matters.
4. Delineation/demarcation of Nigeria's maritime boundaries.
5. Meteorology in the NN



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HYDROGRAPHY / CARTOGRAPHY / MARITIME SAFETY INFORMATION RESPONSIBILITIES

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Hydrographic Survey: Several hydrographic surveys were carried out through individual and collaborative efforts among government, private hydrographic stakeholders and NNHO.

Consistent dredging and hydrographic survey of all ports and harbour facilities through the collaborative efforts between NN and NPA.

Same effort between NN and Nigerian Maritime Administration and Safety Agency (NIMASA) has aided bottom profiling surveys which were done to access any navigation hazard which helped in the removal of over 14 wrecks.

Hydrographic survey of Lagos Lagoon from Apapa to Ikorodu by NNHO to improve safety of navigation. Also, survey of Lower Rivers Niger and Benue by NNHO in conjunction with National Inland Waterways Authority.

Several wrecks has been discovered during the ongoing systematic survey of Nigeria's waters which began with Approaches to Lagos by NNS LANA which is 80% completed.



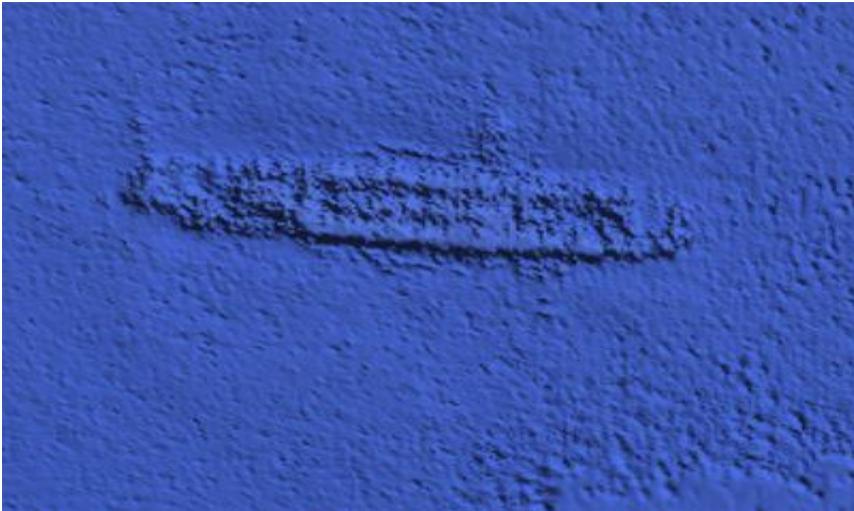
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FRAMEWORK / GENERAL INFORMATION

HYDROGRAPHY / CARTOGRAPHY / MARITIME SAFETY INFORMATION RESPONSIBILITIES

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Hydrographic Survey: pictures showing some wrecks discovered by NNS LANA during the systematic survey of Approaches to Lagos.





HYDROGRAPHY / CARTOGRAPHY / MARITIME SAFETY INFORMATION **RESPONSIBILITIES**

Cartography: NNHO, has produced paper and electronic navigational charts which include: NG4402 Lagos Lagoon; Apapa to Ikorodu and NG4406 Dangote Refinery.

Additionally, the ongoing survey of the Lower Niger River has resulted in the production of 5 paper charts spanning Jamata to Onitsha which include; NG4412, NG4413, NG4414, NG4415 and NG4416.

The Office has also produced 5 additional cells of ENC's covering the aforementioned areas and has also provided information to the UKHO for update of British Admiralty charts covering areas where NNHO has no charts coverage.



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CARTOGRAPHY / HYDROGRAPHY / MARITIME SAFETY INFORMATION RESPONSIBILITIES (CONT)

Nigeria's Maritime Safety Information Facility: The Nigeria's Maritime Safety Information (MSI) facility at NNHO has continued to disseminate safety-related information to vessels within NAVAREA II, via a collaborative effort between NNHO and SHOM.

All bulletins of coastal warnings are available at the NNHO's portal which can be accessed through the link:
<https://www.nnho.ng/NavareallBulletin.php>



RELATIONSHIP WITH OTHER RELEVANT NATIONAL ORGANIZATIONS

NNHO cooperates with the following organization to fulfill its mandate of providing improved hydrographic services to mariners.

- ✓ SHOM
- ✓ UKHO
- ✓ NPA

Also, there are ongoing efforts for improved relationship between Hydrographic Offices of Italy, USA and Portugal.



COOPERATION / PROTOCOLS ESTABLISH WITH OTHER COUNTRIES WITHIN SAFETY OF NAVIGATION

NNHO has established protocols with the UKHO and IC-ENC to foster cooperation in the following areas:

- ✓ Hydrography
- ✓ Marine Geospatial Information
- ✓ Other related disciplines, to avoid duplication of effort, enhancement of maritime safety and support the protection of the marine environment.
- ✓ Also, discussion between NNHO and NIPPON Foundation/GEBCO is at advance stage.



TOP ACHIEVEMENT ACCOMPLISHED BY NNHO SINCE EATHC16

Establishment of a National Hydrographic Agency

- ✓ Established in February 2022 to replace the functions of NNHO.
- ✓ Modalities and budget for its operationalization is being worked out.

Conduct of Survey Operation/Production of Navigational Charts

- ✓ Various surveys engaged by NNHO has been mentioned in the previous slides.
- ✓ Re-survey of part of Badagry and Ikorodu Creeks and also Lagos Harbour for update of respective charts.
- ✓ Development of National Charting Scheme (NSC) for guiding survey and charting of the Office, as additional 9 paper charts and 5 cells of ENC's have been produced.
- ✓ Publication of Tidal Prediction Table, Hydrographic Magazine (The GONDOLA), International Regulations for the Prevention of Collision at Sea 1972 and Symbols and Abbreviations used on Paper charts. This would be sustained.



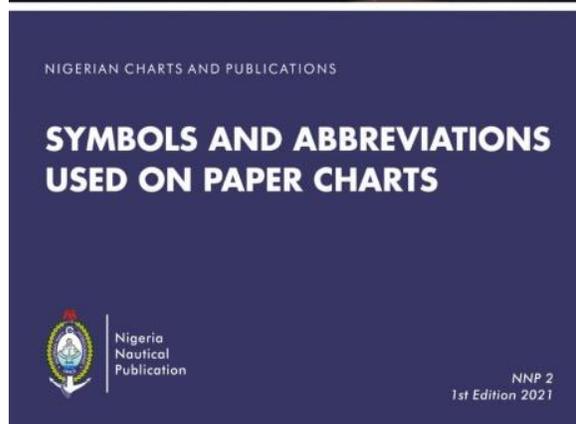
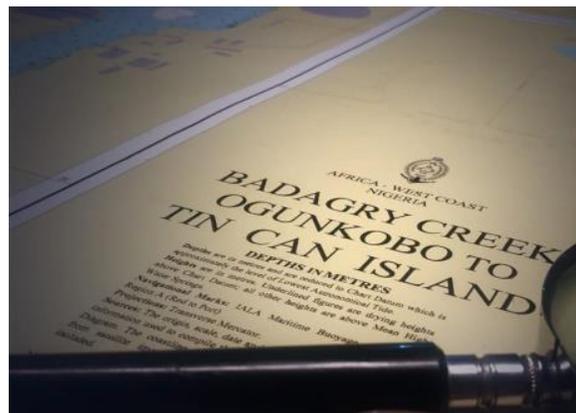
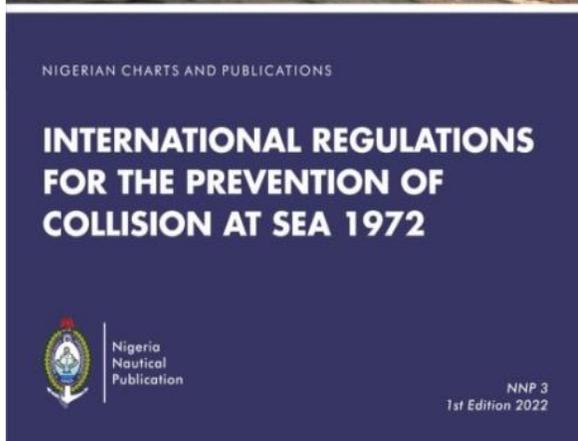
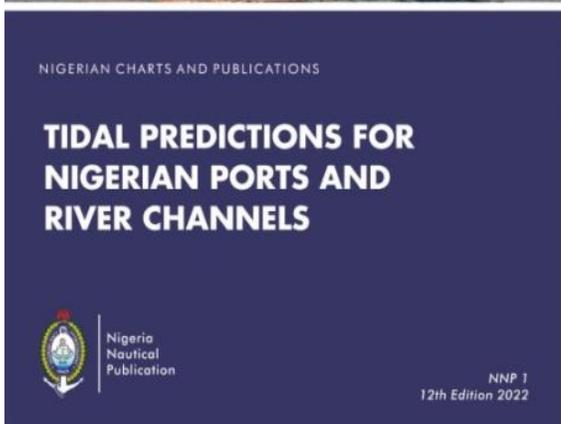
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TOP ACHIEVEMENT SINCE EATHC16 (CONTD)

International Hydrographic Organization

TOP ACHIEVEMENT ACCOMPLISHED BY NNHO SINCE EATHC16

NNHO Publications



The Gondola
A Maiden Edition of NNS LANA Magazine
May 2022

Showcasing Hydrographic Potentials of the Nigerian Navy

- 3 Why the Gondola?
- 10 Commercial Potentials of NNS LANA
- 60 Blue Economy and Hydrographic Practice in Nigeria Maritime Domain



TOP ACHIEVEMENT ACCOMPLISHED BY NNHO SINCE EATHC16 **(CONT)**

Construction of 35m Survey Boat: Another vessel is billed to join the NN fleet in 2023 to complement NNS LANA in the survey of coastal approaches while LANA engages in deeper offshore waters.



The challenges of NNHO include:

- ✓ Non-Accreditation of Nigerian Navy Hydrographic School.
- ✓ Insufficient manpower development in the field of Hydrography and Cartography.
- ✓ Funding among others.



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TOP PLANS THAT AFFECT THE REGION

(CHARTS, SURVEYS, TRAINING, CAPACITY BUILDING, OTHER)

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The top plans for the region includes:

- ✓ Accreditation of NNHS to aid hydrographic training in the sub-region.
- ✓ Establishment of hybrid permanent automatic tide gauge to facilitate real time transmission of vertical (tide) and horizontal (position) datum corrections to vessels engaged in hydrographic survey within Nigerian waters.
- ✓ Develop the in-house/local cartographic training at NNHO, for accreditation, to cater for national and regional capacity building.



1. Provide more support to NNHO in the areas such as Cartography, data acquisition, analysis, processing and management.
2. Render more support to NNHO to facilitate the accreditation of NNHS Programme.
3. Render technical support to develop the in-house cartographic training being organized by NNHO to international standard.



1. Note the report.
2. Support Nigeria's efforts in survey and charting by considering the recommendations in previous slide.