

# 25<sup>th</sup> Conference of the Meso American - Caribbean Sea Hydrographic Commission

National Report by  
United States of America



IHO

International  
Hydrographic  
Organization



# Top Achievements during the year (3 maximum)

- The US has been working with Nations in Capability Building efforts to enhance data collection and Support IHO initiatives:
  - Satellite Derived Bathymetry
  - New platforms for Data Collections (Furgo)
  - Hosting 3 Hydrographers through the IHO EWH Project
  - IHO Technical Visits
- Coast Survey acquired over 1000 SNM of updated bathymetric data within the Gulf of Mexico in FY24 via traditional hydrographic survey ships, an uncrewed surface vessel operating from shore and employment of UxS for survey operations from NOAA Ship THOMAS JEFFERSON. The National Bathymetric Source Model continues to be maintained throughout the MACHC bounds, providing a compiled bathymetric surface of the best available data.
- US has continued the rollout of the new gridded ENC scheme. Over 50% of the estimated 7,300 gridded ENC cells have been completed as of October 2024. Successful interagency collaboration within the US, the MACHC member states and the MIIC has been key to resolving overlaps in coverage during the process.



IHO

International  
Hydrographic  
Organization



# Top Challenges and/or Obstructions (3 maximum)

(Such as capacity building gaps)

- US recognizes the substantial S-101 transition challenges it and other member states face. Resources for standard development, equipment, and staff training will have to be allocated as we approach the implementation of S-100 products.
- Coordination between the NAVAREA Coordinator and national coordinators to provide timely and regular MSI Updates.
- With the continued transition to electronic navigation, the US is shifting paper chart production activities to a smaller suit, created via the Certified Printed Electronic Navigational Charts (CPENC) process. This process efficiently converts ENC data directly to a paper chart, including a graphical update service.



IHO

International  
Hydrographic  
Organization



# Top Plans that affect the region (3 maximum)

(Charts, surveys, training, other)

- US continues to support Capacity building activities
  - as part of the IHO's Empowering Women in Hydrography (EWH) Project.
  - Support Technical visits within the MACHC region
- US plans to improved coordination and communication between Navy, NGA and partner nations to maximize data availability and releasability for Primary Charting Authority use.
- US intends to provide opportunities for representatives from developing countries to participate in Capacity Building Training as funding is available.



IHO

International  
Hydrographic  
Organization

