MPAS Development as of February 21, 2025

Software:

What's Changed

- **Admin Account:** Added new warn button for every vessel
- **Admin Account:** Nearest MPAs to a specific station can now be attached
  - Add MPas to Attach
  - List of MPas Attached
  - Manual button of sending attached MPAs coordinates to stations and nodes
- **Admin Account:** Added new Image field in vessel category for customization purposes.
- **Admin Account:** New Help pop-up when a vessel sends SOS signal.
- **Admin Account:** New MPA pop-up warning when vessel is within MPAs
- **Admin Account:** New Station radius for a covered signal
- **Admin Database:** Updated MPas Database
  - Added New Column in Stations table
    - Radius
    - Mpas (Attached MPA to Station)
  - Added New Column in vessel_tracks table
    - mpa_id (Nearest MPA)
    - mpa_distance (Node to MPA distance)
  - Added New Column in vessels table
    - mpa_id (Nearest MPA)
    - mpa_distance (Node to MPA distance)
  - Added New Column in categories table
    - image (vessel icon depending on its category)
- **Station Server:** Updated python script for receiving data
  - Script can now decode the additional data send by nodes (mpa_id and mpa distance)

Changelog Images: https://drive.google.com/drive/folders/1OugD-XV22apTzSjZ72cS2QVybl3NqVPA?usp=drive_link

Why does this matter?

With this upgrade, admin can now send warning to a specific vessel, send MPA Coordinates and visualize whether the vessel need help or in a prohibited zone.

Hardware:

What's Changed

- Updated node firmware
  - Able to receive specific warnings

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