**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

**Contributors:**

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