Data Platform Position Reporting

- Proposed Text

  https://www.noaasis.noaa.gov/pdf/docs/TWG2023/20230410%20Lat-Lon-TxID%20Specification%20V0.2.pdf

- Current Notional Concept
  - GOES DCS DCP Certification requires DCPs to report a position upon deployment (turning on, reset, etc.). That unique transmission (X-message) may include **additional information**.
  - The X-message is sent using the DCPR on a dedicated **Random** channel in **Binary** format.
  - The message is sent **three** times using the DCS Random Reporting Guide Strategy
  - Message is received by DADDS and the DCP Platform Description Table (PDT) is updated.
  - Additional table data is also updated.

Topic Format

For each topic….

- Current Concept
- Benefits
- Impacts
- Demonstration (if applicable)

Discussion ← PRIMARY PURPOSE

- Users
- Manufacturers & industry
- Agency reps
- Outcomes:
  - Collect improvements to proposed concepts
  - Collect points of agreement
  - Establish membership for recurrent NOAA activities that allow for additional public review and input

Data Platform Position Reporting

- Benefits
  - 1000s of DCPs have no position information
  - Having position supports NOAA RFI mitigation efforts
  - Accurate positions help data collection efforts
  - Having initial DCP configuration information confirms settings /health
  - Using pure binary format reduces message size
- Impacts
  - Hardware, software, engineering?
  - Affect overall DCP design?
  - Additional spectrum usage?
  - When to require or start implementation?
  - Backward compatibility - will current DCP users be affected?
  - How will this affect other receive systems?

Data Platform Position Reporting

- Demonstration

- Discussion
  – Questions, Concerns, Feedback, Recommendations

- Outcomes
  – Decisions to be made
  – Next step