

A satellite is shown in the foreground on the left, with its solar panels and instruments visible. The Earth is in the background on the right, showing continents and clouds. The text "GOES DCS Program Update" is overlaid in the center.

GOES DCS Program Update

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GOES DCS PROGRAM UPDATES

- Program Management
 - New Program Manager
 - DCS Operations and Maintenance Contract Support
 - Transitioned – March 28, 2022.
 - DADDS User Support and Database Engineering
 - Govt intent to execute 4th option year Sept 2023-Sept 2023

GOES DCS PROGRAM UPDATES

- Program Management (continued)
 - GeoXO Coordination
 - DCS Open Forums

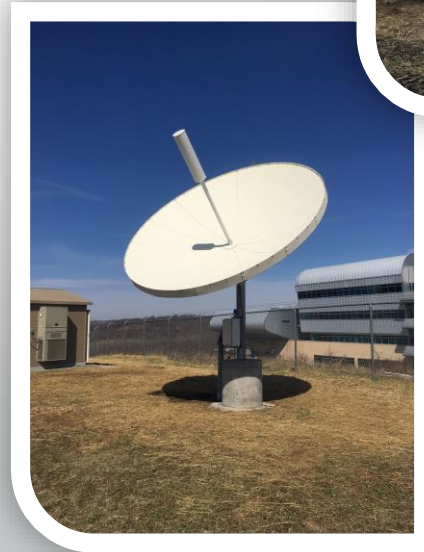
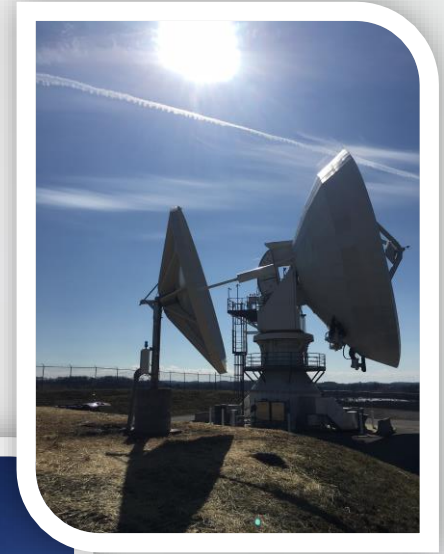


GOES DCS PROGRAM UPDATES

- Program Management (continued)
 - DCS Open Forum Summary:
 - Users have built significant redundancy outside NOAA footprint using highly reliable DRGS capability. NOAA benefits from 3rd source of data (EDDN)
 - Reliance on terrestrial systems is not an acceptable risk for some users due outages at worst possible time – adverse environmental conditions
 - Additional number of “hops” for a commercial rebroadcast and commercial spectrum (Ku band) pose potential risk to data
 - Two-way communication still desired. Requirement is demonstrated in users that have implemented some systems. Users have explored commercial options but reliability and cost continue to be significant barriers
 - No explicit agreements or published requirements GOES DCS Program can leverage for GeoXO satellite tradeoffs

PROGRAM UPDATES

- Program Projects
 - Backup Pilot Antenna



PROGRAM UPDATES

- Program Projects
 - Communication Protocols
 - DCP Position Reporting
 - Batch Updates

PROGRAM UPDATES

- Program Projects
 - DADDS Next
 - Cloud
 - Two-way Communication
 - Transition for GeoXO

TWG Action Items

- Program Projects
 - Communication Protocols
 - DCP Position Reporting
 - Batch Updates
 - DADDS Next
 - Cloud
 - Two-way Communication
 - Transition for GeoXO

Review of Action Items Prior to the May 2022 TWG and STIWG Meetings

From Appendix I: TWG 125th (Tuesday - Wednesday April 27 - 28th, 2021) Actions

There were no new actions noted at the TWG 125 (April 27 - 28th, 2021 meeting.

A list of open action items from previous TWG meetings follows.

- TWG Action 123-3 (122-2): Investigate how to make configuration files available in the USACE DCP Monitor system.

➤ Update:

- ❑ A presentation “USGS Configuration Depot Update” was given at the Fall STIWG by Laura Flight of the U.S. Geological Survey/Water Resources Mission. She stated that the replacement for DECODES “DECAP” has been completed and a new version of the Depot would be available by Spring with a beta version available soon.
- ❑ A presentation “Update on a DADDS Configuration Repository for all DCP Users” was given at the FALL STIWG by Matt Ceanfaglione of Microcom Design, Inc. Matt Ceanfaglione briefed that Microcom has been approached to find out what it would take to be able to have users upload their configurations and store them in DADDS. This would allow all users to decode the data, as the SHEF data would then be known. Microcom has not gone forward to develop a work assignment yet.
- ❑ In the near future, NOAA will consider implementing this project.

➤ Status: Closed to STIWG Action 127-3, which is In Progress:

“Move forward with an investigation on how a STIWG Configurations Depot could be accomplished. This may be assigned to the Preservation Group or may have a working group of its own. “

- TWG Action 123-4 (from 122-3): As WCDAS puts WMO headers on 89% of messages and sends them to the NWSTG, consider putting WMO headers on all the messages; or assess whether we should be doing this at all by seeing if there are user requirements for this. This needs clarification or a statement of need then NOAA will scope the task.

- **Update:**

- This has been completed.**

- All messages now contain a WMO header. The default header is Sxxx20 for all messages NOT transferred to the National Weather Service.

- **Status: Closed.**

- TWG Action 123-6 (122-8): DCS Program to prepare some vehicle for getting user input on the DCPI two-way communication project.

- **Update:**

- This has been completed.**

- There is an in-progress STWG Action 127-9: Pursue Two Way as a program of record or included as a current requirement or currently active capability for DCS?

- **Status: Closed**

- TWG Action 123-7 (from 122-9): DCS Program manager to prepare a briefing for OSPO and NESDIS Management on estimates on the costs to bring the DCPI two-way communication project to completion for GOES-R Series and the next generation of satellites. NOAA and Microcom are in progress of executing a project plan. See Pages 01 -02.
 - **Update:**
 - ☐ This has been completed and communicated NOAA management.
 - **Status:** Closed.

- TWG Action 123-8 (from 122-10): NOAA to investigate back-up (remote) pilot options including reuse of Goddard equipment or a new system for the CBU. Short term project complete; long term solution in progress. See Pages 01 -02.
 - **Update:**
 - ☐ This is In Progress and is due to be completed in the late Spring of 2022 with the installation of new parabolic antennas at the NESDIS Combined Backup Site (CBU) in Fairmont, WV.
 - **Status:** In Progress.