



2017 STIWG Report to the TWG

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Working Groups

- ▶ DCS Preservation
 - ▶ Tasked with addressing issues pertaining to matters that impact the viability, availability and integrity of GOES DCS data from the GOES satellites.
- ▶ OpenDCS Standardization
 - ▶ Tasked with establishing an executable plan that will unify existing OpenDCS variants and capabilities into a single platform. The second objective is to establish a way to jointly plan and fund the new platform's development and support by the STIWG agencies.

DCS Preservation

- ▶ Continue work on preserving the 1675 – 1695 MHz spectrum
 - ▶ Rekindled interest by private industry: 1675 – 1680 MHz
 - ▶ Agencies engage IRAC (Independent Radio Advisory Committee) Reps
 - ▶ Conduit to FCC to present Federal perspective on spectrum issues
 - ▶ Capitalize on events that bolster the effectiveness of the GOES DCS design and operation versus cloud based delivery systems
 - ▶ Monitor interference
 - ▶ Agencies are developing systems to identify, quantify and assess interruptions by encroaching signals
 - ▶ What measures are being taken?
 - ▶ Record and report findings
 - ▶ Allows us to understand in real-life environment how interference impacts DCS ground stations and agency missions that rely on DCS data
 - ▶ Investigate viable/reasonable ways protect from interference
 - ▶ Statements continue to flow into the FCC about the proposed wireless network
 - ▶ Corroboration and rebuttal of claims are strengthened by quantitative or verifiable data

OpenDCS Standardization

- Consolidates both variants of OpenDCS into a single version
 - ▶ Cove baseline incorporating Sutron enhancements
 - Baseline selection determined by STIWG agencies' deployment rates
 - ▶ First release will incorporate Sutron developed formatter enhancements for the National Ocean Service
 - ▶ The unified platform will be the official STIWG released and supported software

OpenDCS Standardization (cont'd.)

- ▶ Interagency Support Agreements
 - ▶ Support Agreements will allow USACE to receive of funds from other agencies to support OpenDCS development through the RMA contract
 - ▶ Will develop SA's for each STIWG agency
 - ▶ Initial submission to USGS for endorsement nearly finalized
 - ▶ Cove and Sutron have agreed to support the standardized software
 - ▶ Existing MOA's and MOU's with USACE provide fundamental structure
 - ▶ NOAA
 - ▶ Department of Agriculture (USFS)
 - ▶ Department of Commerce (NOAA: NESDIS, NOS, NWS, NDBC, etc.)
 - ▶ Department of Interior (BLM, USBR and USGS)
 - ▶ Department of State (IBWC)
 - ▶ Promote collaboration, improved scoping and cost sharing for future development
 - ▶ Working with HEC to have all SA's in place this year

Special Observations

- ▶ The STIWG recognizes all the hard work that Kay invested over the years and was saddened that she unexpectedly retired. We wish for her recovery and thank her for her service and commitment to the GOES community and thus the entire country.
- ▶ We look forward to future work with Scott Rogerson and hope to continue progressing the GOES system and maximizing the utilization of this critical and unique resource.
- ▶ Planning for a face-to-face STIWG the first half of 2018.

END