

COPC Action Items Status

Spring 2017 Action Items

COPC Action Item 2017-1.1: The CSAB will request to brief the Committee for Operational Environmental Satellites (COES) about the need to better understand the planned future and near-term, research and operational, domestic and international, satellites.

Purpose: To be more proactively involved in the planning process to potentially obtain data in a more “operational like” timeframe.

Priority: M

OPR: CSAB

Suspense: September COES meeting.

Status as of 27 September 2017: Recommend closure.

- **CSAB 15 June 2017:** Aiming for a briefing at the COES meeting in the fall.
- **CSAB 20 July 2017:** Confirmed that CSAB will be on the agenda for the Sept 18 COES meeting (1:00 to 3:00ET). Ken will develop a 1st draft to be shared with CSAB, and then this briefing will be approved by the COPC TD's.
- **CSAB 17 August 2017:** Jim Vermeulen will give the COPC briefing at the Sept 18 COES meeting (1:00 to 3:00ET). Briefing will be shared with CSAB to get their TD's approval by Sept 7th.
- **CSAB 27 September 2017:** Jim Vermeulen (CSAB-FNMOC) briefed COES on Sept 18th. Keeping operations in mind when department level planning for both operational and research satellites with the intent of increasing access to data in a more “operational like” posture. With this briefing CSAB recommends closing this action.

COPC Action Item 2017-1.2: Request the CSAB and WG/OD Satellite members be invited as observers to the COES meetings.

Purpose: To increase the COPC's understanding of the future environmental satellites.

Priority: H

OPR: OFCM

Suspense: Before the next COES meeting.

Status as of 15 June 2017: Recommend closure.

- **CSAB 15 June 2017:** Members were added to the distro list and will be potential observers. CSAB and OD-Sat members should review each agenda to determine if they want to attend or contact their agency Co-Chair on COES. Recommend closing this action.

COPC Action Item 2017-1.3: Fund and implement a new fiber connection between the NOAA Satellite Operations Facility (NSOF) building and the National Maritime Intelligence Center (NMIC) building.

Purpose: Move forward with NFG/MPG implementation at primary NOAA to DOD data exchange point and to allow for initial testing of a realistic data stream exchange between NOAA and DOD. Results of testing will provide baseline before the Joint Information Environment-Joint Regional Security Stack (JIE-JRSS) is implemented at each DOD OPC.

Priority: H

OPR: CSAB, CCM, (Navy and NESDIS)

Suspense: By summer of 2017.

Status as of 27 September 2017: Recommend closure.

- **CSAB 15 June 2017:** NESDIS will move forward with the install. NAVO has completed the DNF and will move forward with the money MIPR. Craig Wade is

working with NMIC for the security procedures to allow the contractor installation of the fiber cable.

- **CSAB 20 July 2017:** Prepared a SOW which has been submitted to NESDIS. Shared the requirement based on the JFHQ issued NFG TASKORD (#16-0103) with NMIC security personnel. The contractor said once the PO is received the entire installation (order supplies, install of both sites) should be completed within two weeks. NAVO is ready to MIPR the money but requested the POC. To complete the PO we need confirmation/clearance from the NMIC security officer, so Craig Wade will ask LCDR Borne to engage NMIC.
- **CSAB 17 August 2017:** Navy's MIPR was rejected, but CAPT Odell confirmed that NESDIS is moving forward with installing the new fiber. All paperwork has been submitted and the estimated completion date is by the end of September.
- **CSAB 27 September 2017:** A 24 strand single mode fiber installation was almost completed, however, a problem accessing the last manhole before entering NMIC has to be resolved. Update-11/2 fiber was completed and tested from NMIC to NSOF. CCM recommends closing this action.

COPC Action Item 2017-1.4: Rework the previous telecommunication bandwidth requirements template with necessary columns (time of day, formats, volume, network path...) and develop an estimated work load to complete (fill in with the data) the new potential template for COPC approval at the Fall 2017 meeting.

Purpose: This exercise has grown in importance as a planning tool by becoming the best source of information about what data is being exchanged between the OPCs and what each OPC is planning with future data exchange.

Priority: M

OPR: CSAB, OD, and CCM

Suspense: Update at the next COPC.

Status as of 27 September 2017: Open.

- **CSAB 15 June 2017:** Look to incorporate the best of many separate efforts, OD's data inventory, past CCM bandwidth inputs, CNMOC's metrics table, and CSAB's critical data table.
- **CSAB 20 July 2017:** Discussions with Kevin Greenlee who pointed out that in the template we also need to agree on sub row divisions (i.e. NESDIS data/SNPP/VIIRS). Possibly based on sensor or system or whatever is decided so the 3 tables are consistent.
- **CSAB 17 August 2017:** Plan to have a 1st attempt of a template for CSAB to discuss at the F2F.
- **CSAB 27 September 2017:** NAVO will work to fill in the current template to help determine the level of effort required and present that at the next COPC. Recommend keeping this action open.

COPC Action Item 2017-1.5: Monitor AF replacement for and Navy/NOAA members draft/develop replacement/s for the Data Acquisition, Processing, and Exchange (DAPE) Memorandum of Agreement (MOA) and the Environmental Satellite Data Annex for COPC's review.

Purpose: The current DAPE MOA ends on Sept 30, 2018.

Priority: M

OPR: CSAB

Suspense: Update at the next COPC.

Status as of 27 September 2017: Open.

- **CSAB 15 June 2017:** NESDIS and Navy will use the updated copy prepared by Ken that combines the DAPE MOA and ESDA into one agreement as a starting point for the Navy/NOAA annex. Ken will contact HAF (Steve Davis) to discuss the status of the AF/NOAA agreement.
- **CSAB 20 July 2017:** Made contact HAF (Steve Davis) to discuss the direction AF may go to deal with a DAPE follow-on.
- **CSAB 17 August 2017:** No update.
- **CSAB 27 September 2017:** Navy will draft a new annex for the existing Navy/NOAA umbrella agreement [NOS Agreement Code: MOA-2014-009/8847 which is in effect for 10 years signed Dec 2013]. Recommend keeping this action open.

COPC Action Item 2017-1.6: Investigate alternative operational providers of GOES-16 data for the two Navy OPCs.

Purpose: To reduce the load on the PDA, while still supporting operational level GOES-16 data receipt at both FNMOC and NAVO.

Priority: M

OPR: CSAB

Suspense: Update at the next COPC.

Status as of 27 September 2017: Recommend closure.

- **CSAB 15 June 2017:** Getting close to completing the H8 data exchange and both Navy OPCs will use their same accounts to then gain access to GOES-16 data.
- **CSAB 20 July 2017:** No update.
- **CSAB 17 August 2017:** NAVO is planning to use the same access that they are using to receive H8. FNMOC is not pursuing NCEP as a primary source and instead getting GOES-16 data from PDA. NESDIS recommended FNMOC develop access using FTPS as well in case they experience latency using SFTP. Additionally, both Navy Centers should be able to pull GOES-16 from PDA or NCEP. GOES-16 data is not available from CBU so either NCEP College Park or Boulder could be an alternative provider when needed.
- **CSAB 27 September 2017:** NAVO is planning to use similar access that they are using to receive H8 from NCEP. FNMOC is not pursuing NCEP as a primary source and instead getting GOES-16 data from PDA and additionally sending a requirements letter requesting to pull the data from the 557 for COOP and IA concerns. CSAB recommends closing this action.

Other COPC Action Items Status

COPC Action Item 2016-1.3: OPCs to receive the H8 data operationally from PDA.

Purpose: To have operational support (24x7) of the data feed that is used to create OPC mission critical products. (Himawari 8 data is anticipated to be available on PDA in the summer of 2017).

Priority: M

Advocate: CSAB

Suspense: Update at the next COPC (Fall 2016).

Status as of 27 September 2017: Recommend closure.

- **CSAB 16 June 2016:** (Chris Sisko via email.) No official timeline from the development organization regarding transition of H8 data from STAR to OSPO (operations) systems, so that is still TBD at this moment. There is an active team working on H8 transition plans, but the PDA requirement to process/distribute H8 data still remains in a deferred state. Chris will continue to ask them for a solid schedule.

- **CSAB 14 July 2016:** No official timeline.
- **CSAB 18 August 2016:** No official timeline.
- **CSAB 15 September 2016:** NOAA's development effort required to move H8 product processing into full operations at OSPO (NSOF) has been pushed back until FY18 at the earliest, due to funding availability. CSAB recommends keeping this action open.
- **COPC 26 October 2016:** COPC confirms keeping this action open.
- **CSAB 01 December 2016:** No status change.
- **CSAB 19 January 2017:** No status change.
- **CSAB 16 February 2017:** No status change.
- **CSAB 30 March 2017:** NOAA's operational support at OSPO (NSOF) has been pushed back until FY18 at the earliest due to funding availability. [NWS, FNMOC, and NAVO all look forward to full operational support of H8 data via PDA.] Recommend keeping this action open.
- **COPC 03 May 2017:** COPC agreed to keep this open.
- **CSAB 15 June 2017:** No status change.
- **CSAB 20 July 2017:** No status change.
- **CSAB 17 August 2017:** No status change.
- **CSAB 27 September 2017:** NOAA's development effort required to move H8 product processing into full operations at OSPO (NSOF) has no clear funding identified. Recommend closing this action.

COPC Action Item 2013-1.5: Implement an end-to-end latency test exchange using representative proxy data from NOAA (NESDIS, TOC, and NCEP) through NFG to both Navy OPCs.

Purpose: To make sure the NIPRNet Federated Gateway does not introduce data latency that causes the short life environmental data to miss the necessary timing for incorporation into the OPC's NWP capabilities.

Priority: L

Advocate: CCM

Suspense: At the next COPC (Spring 2016).

Status as of 27 September 2017: Open.

- **CSAB 21 January 2016:** No update.
- **CSAB 18 February 2016:** No update.
- **CSAB 07 April 2016:** Overall concept: Establish the 2nd connection, establish a connection to a NFG, and test latency with a large data set over a long period of time (to not impact the operational path). CCM recommends keeping this action open.
- **COPC 04 May 2016:** Approved. DISA requested that the OPC provide representative test data as soon as possible for running through the security tools at the MPG (NFG).
- **CSAB 16 June 2016:** CCM will use the new Boulder/Buckley circuit because there is a 400MB non-used bandwidth section and it can be tested without impacting the operation circuit in Suitland. So AF needs to submit the TR for a MPG connection from Buckley to San Antonio because they are the original circuit requester. 557 is working this through ACC.
- **CSAB 14 July 2016:** ACC/A6 Circuit Management cleared the path for 557 to submit the TSR. Opened a project with 557WW/C2 planning to start.
- **CSAB 18 August 2016:** No update.
- **CSAB 15 September 2016:** CCM Engineering Test Plan will be complex and is under initial development. The related JFHQ released JFHQ-DODIN TASKORD 16-0101, for the establishment of the NFG/MPG. AF has submitted the TSR for alternate path

(Boulder to San Antonio) NFG connection. CCM recommends keeping this action item open.

- **COPC 26 October 2016:** COPC confirms keeping this action open.
- **CSAB 01 December 2016:** No updates.
- **CSAB 19 January 2017:** Working to see if a 4th fiber line is available in Suitland and additionally working to get the TSR for Boulder to San Antonio MPG/NFG.
- **CSAB 16 February 2017:** DISA is working on upgrades and will not support operational data exchange until after Aug. NESDIS/NCEP still looking for a short-term solution for a 4th fiber line. NAVO proposed a possible solution of sending their operational data through Boulder and then using their exiting fiber in Suitland for MPG testing. 557 is working to get the TSR re-submitted for Boulder to San Antonio MPG/NFG.
- **CSAB 30 March 2017:** No new information on this action from CCM. Related: WG/OD and CSAB working to get a baseline time transfer between NAVO/NESDIS and NAVO/FNMOC and then the same process would be used to evaluate through JRSS and MPG/NFG. CCM recommends keeping this action item open.
- **COPC 03 May 2017:** COPC agreed to keep this open.
- **CSAB 15 June 2017:** Parallel efforts are in place to connect to NFGs. DISA has accepted the TSR for the Boulder to San Antonio NFG connection and will be working to produce the TSO. The Suitland to Columbus NFG just needs the new fiber run between NMIC and NSOF. The Suitland path will be the 1st testing of latency.
- **CSAB 20 July 2017:** TSO received for the Boulder to San Antonio NFG (TSO A74261/70YV-01) on July 10th. Still need NOAA POCs changed. Ken will call the primary POC on this order to ask for the NOAA POC changes and find out what happens next.
- **CSAB 17 August 2017:** No update.
- **CSAB 27 September 2017:** Parallel efforts are in place to connect to both MPG/NFGs. 1st implementation will use the new fiber run from NSOF to NMIC to transmit test data to NAVO from NSOF (NOAA). 2nd implementation will initiate the alternate path testing. CCM recommends keeping this action item open.

COPC Action Item 2013-1.9: Review and update the Federal Plan for Cooperative Support and Backup Among Operational Processing Centers (FCM-P14-2012).

Purpose: Documents an interagency coordinated approach to backup support and cooperative sharing of data, technology, and products among the national major meteorology, oceanography, and satellite operational processing centers (OPC) to assist in fulfilling their mission requirements.

Priority: L

Advocate: CSAB

Suspense: At the next COPC (Spring 2016).

Status as of 27 September 2017: Open.

- **CSAB 21 January 2016:** No update.
- **CSAB 18 February 2016:** No update.
- **CSAB 07 April 2016:** OFCM and CCM are updating the COPC network section. OPCs are reviewing the document to update the organizational changes. CSAB recommends keeping this action open.
- **COPC 04 May 2016:** COPC approved.
- **CSAB 16 June 2016:** Ken needs to update the communications section and get it reviewed by CCM.

- **CSAB 14 July 2016:** Ken recommended removing the communications graphic and doing a separate annex for the NetOps CONOPS of the COPC network. This will be a stay alone document but references will be added to both about the other.
- **CSAB 18 August 2016:** Ken recommended removing the communications graphic and doing a separate annex for the NetOps CONOPS of the COPC network. This will be a stay alone document but references will be added to both about the other.
- **CSAB 15 September 2016:** The OPCs' submissions almost complete and CSAB will meet after COPC to resolve a couple of issues. Additionally, CSAB will request a document name change replacing Backup with Outage Mitigation and plan to publish in Jan 2017. CSAB recommends keeping this action open.
- **COPC 26 October 2016:** CSAB looks to finalize before the next COPC meeting. COPC confirms keeping this action open.
- **CSAB 01 December 2016:** Still need FNMOC's input and then CNMOC's review.
- **CSAB 19 January 2017:** FNMOC is working on their update. All other inputs have been combined into one file and Ken is working through resolving them.
- **CSAB 16 February 2017:** No update.
- **CSAB 30 March 2017:** OPCs' submission now complete. Document name change to the Federal Plan for Cooperative Support and Outage Mitigation Among Operational Processing Centers (FCM-P14-2017) and will reference a new annex [Annex 1 – Network Operations (NETOPS) Concept of Operations (CONOPS) for the Operational Processing Centers (OPC) – still in draft form.] Look to complete the CSAB review by June/July timeframe. CSAB recommends keeping this action open.
- **COPC 03 May 2017:** COPC agreed to keep this open.
- **CSAB 15 June 2017:** Planning to get an updated draft to CSAB by the end of July.
- **CSAB 20 July 2017:** Planning to get an updated draft to CSAB by the next CSAB telcon.
- **CSAB 17 August 2017:** Planning to get an updated draft to CSAB by the CSAB F2F.
- **CSAB 27 September 2017:** OFCM will incorporate OPC comments on final draft into “ready for signature” version. OPCs perform a quick coordination and approve for signature. Federal Coordinator (FC) sign once all OPCs approve. CSAB recommends keeping this action open.

Note: With the older Action Items, previous year updates have been made into hidden text. The information is still there and can be viewed/printed by toggling the hidden text option.