

COPC Action Items Status

Spring 2016 Action Items

COPC Action Item 2016-1.1: Refine the OPC outage mitigation priority list, identify candidate data exchanges, and investigate mitigation approaches for the highest priority items at each OPC. (Additionally, add a column that calls out the negatives when using the alternative data solution and make the document for internal OPC use only.

Purpose: To increase the understanding of mission essential data exchange, single data sources, and data agency interdependencies, with the overall goal to mitigate the impacts on the OPCs when significant data outages occur.

Priority: M

Advocate: CSAB

Suspense: At the next COPC (Fall 2016).

Status as of 15 September 2016: Recommend Closure.

- **CSAB 16 June 2016:** Ken will add the column and send it to the OPC reps. Each Center should pick 2 or more items to breakdown with details (alternate solutions, negatives for this solution...). Develop a slide presentation for CSAB and COPC.
- **CSAB 14 July 2016:** Ken will send the document to the OPC reps. Each Center should pick at least 1 items and fill in the information in the template. This information will be used in the slide presentation for CSAB and COPC.
- **CSAB 18 August 2016:** Ken will send the document to the OPC reps. Each Center should pick at least 1 items and fill in the information in the template. This information will be used in the slide presentation for CSAB and COPC.
- **CSAB 15 September 2016:** CSAB should continue to work to develop, document, and maintain the Outage Mitigation Strategies. CSAB will need to check with the COPC (OPCs) when resources are needed to develop or implement a new Outage Mitigation Strategy. CSAB recommends closing this action.

COPC Action Item 2016-1.2: Request an interim solution of distributing the H8 data from NCEP across the COPC Network circuits.

Purpose: To improve the IA posture, utilize the increased Navy bandwidths, and provide a more reliable data exchange.

Priority: H

Advocate: CSAB

Suspense: At the next COPC (Fall 2016).

Status as of 15 September 2016: Open.

- **CSAB 16 June 2016:** The level of effort to serve Himawari 8 data is not as simple as first hoped. (1. Processing code would need to be modified to keep a longer archive so that data could be retrieved. At this time the raw data is removed after processed. 2. NCEP would need to generate ftps user accounts. 3. Network changes would need to be made.) All is doable, but due to the TG migration NCEP doesn't have the resources at this time. Unless resources open up, this isn't likely until the end of this year. CSAB will re-evaluate the effort/timing to see if it merits the effort compared to PDA severing H8 data.
- **CSAB 14 July 2016:** NCEP doesn't have the resources at this time.
- **CSAB 18 August 2016:** NCEP doesn't have the resources at this time.
- **CSAB 15 September 2016:** With the delay of H8 on PDA pushed back to FY18 at the earliest, the OPCs are still very interest in getting this data via NCO servers over the COPC Network. CSAB recommends keeping this action open.

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 15 September 2016: Open.

- **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.

Other COPC Action Items Status

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 15 September 2016: Open.

- **CSAB 15 January 2015:** No update.
- **CSAB 19 February 2015:** No update.
- **CSAB 8 April 2015:** CCM needs the 2nd connection in place to allow testing. At the CSAB meeting there was concern about testing with realistic capacity from other services on the NFG (like VOIP, video conferencing, streaming..).
- **CSAB 7 May 2015:** No update.
- **COPC 28 May 2015:** COPC confirmed keeping this open.
- **CSAB 09 July 2015:** No update.
- **CSAB 19 August 2015:** No update.
- **CSAB 17 September 2015:** No update.
- **CSAB 07 October 2015:** (Part of Decision Point 2 from the CCM process flow chart). Still working to establish a NFG connection. CCM recommends keeping this action open.
- **COPC 05 November 2015:** COPC confirmed keeping this action open.
- **CSAB 03 December 2015:** Added the purpose and changed the suspense.
- **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:** ACC/A6 Circuit Management cleared the path for 557 to submit the TSR. Opened a project with 557WW/C2 Planning to start.
- **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 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 15 September 2016: Open.

- **CSAB 15 January 2015:** Jim V will submit his changes to Ken B.
- **CSAB 19 February 2015:** No update, Ken B. needs to incorporate FNMOC changes and make changes to the communications network section.
- **CSAB 8 April 2015:** Jim V. and Ken S. will work to incorporate COOP plans between FNMOC and the 557th. Once updated, check with A3W about whether a COOP MOA is necessary or can the P14 stand in for the ATO.
- **CSAB 7 May 2015:** Ken B. needs to incorporate the FNMOC updates and the networking changes. CSAB needs to make changes based on the AF and NWS reorganizations. FNMOC and the 557 WW in discussion to add specific COOP capabilities with the document. CSAB recommends keeping this action open.
- **COPC 28 May 2015:** COPC confirmed keeping this open.
- **CSAB 09 July 2015:** No update.
- **CSAB 19 August 2015:** Needs to be totally looked over to address the organizational changes.
- **CSAB 17 September 2015:** Ken B will make a 1st draft for the CSAB F2F.
- **CSAB 07 October 2015:** OFCM needs to incorporate all updates and the networking changes. CSAB will then coordinate/review based on recent reorganizations (557WW, IDFOR, NWS, and NESDIS (OSGS)). Recommend keeping this action open.
- **COPC 05 November 2015:** COPC confirmed keeping this action open.

- **CSAB 03 December 2015:** Added the purpose and changed the suspense.
- **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 Action Item 2012-2.7: Each OPC to provide anticipated GOES-R implementation strategy; expressly addressing data receipt mechanism/methodology and impacts to processing infrastructure.

Purpose: To understand how each OPC will receive the important new satellite data.

Priority: L

Advocate: CSAB

Suspense: At the next COPC (Spring 2016).

Status as of 15 September 2016: Open.

- **CSAB 15 January 2015:** From AMS – launch March 2016 and operations March 2017. NAVO has requested FY15 funding for new equipment from PMW120 via the acquisitions arm in PMW170.
- **CSAB 19 February 2015:** All DOD sites are still working to have downlink capabilities.
- **CSAB 8 April 2015:** Bullet from each DOD Center for a slide on the CSAB to COPC briefing. Cover any comments during the transition (3rd antenna) and any COOP scenarios.
- **CSAB 7 May 2015:** Air Force will modify existing GOES infrastructure at Offutt AFB for direct readout. NAVO and FNMOC are continuing to pursue GOES-R Direct Read-out capability, using the Navy ESRP Program. (Plan to use PDA delivery until DRO capability is established.) CSAB recommends keeping this action open.
- **COPC 28 May 2015:** COPC confirmed keeping this open.
- **CSAB 09 July 2015:** No update.
- **CSAB 19 August 2015:** No update.
- **CSAB 17 September 2015:** Each Center will submit their update for a combined slide or two within the CSAB briefing. Ken B will send out the slides used last COPC. Keith will work to get a date of launch, but right now no sooner than Oct 2016.
- **CSAB 07 October 2015:** GOES-R is scheduled to launch in Fall 2016. Air Force will modify existing GOES infrastructure at Offutt AFB for direct readout. NAVO and FNMOC are continuing to pursue GOES-R Direct Read-out capability, using the Navy ESRP Program (POM18 planning). Via the GRB/H8RB project, NCEP Centers

(NCWCP, SPC, NHC, AWC, SWPC) will be receiving antenna dishes in support of operational data feeds. Dishes will also be installed in AK, HI, and Guam. CSAB recommends keeping this action open.

- **COPC 05 November 2015:** COPC confirmed keeping this action open.
- **CSAB 03 December 2015:** Added the purpose and changed the suspense.
- **CSAB 21 January 2016:** GOES-R still scheduled to launch on October 14, 2016.
- **CSAB 18 February 2016:** CSAB will update the slide to present to COPC.
- **CSAB 07 April 2016:** GOES-R is scheduled to launch in Oct 14, 2016. AF is working on contracts for DRO receipt, processing, and assimilation of GOES-R at Offutt AFB. NAVO and FNMOC are continuing to pursue GOES-R Direct Read-out capability, using the Navy ESRP Program and plan to use PDA “Operational” delivery until DRO capability is established. CSAB recommends keeping this action open.
- **COPC 04 May 2016:** COPC approved. However, OSGS expressed concern about the 2 Navy OPCs getting their GOES-R data from the PDA.
- **CSAB 16 June 2016:** OSGS concerns were addressed by both FNMOC and NAVO. [Both OPCs showed the history of the intent to use PDA until they own capability was achieved, the work already conducted by the PDA staff working with the Navy, and that neither OPC will request all 16 channels at each refresh point]. The official launch date is no earlier than Nov 4th. CSAB will have to create a separate briefing discussing each OPC’s effort [AF with DRO capability, FNMOC with NRL and NOAAPort...]
- **CSAB 14 July 2016:** OPCs should provide input for a briefing at CSAB and COPC.
- **CSAB 18 August 2016:** OPCs should provide input for a briefing at CSAB and COPC.
- **CSAB 15 September 2016:** Air Force working contracts for DRO receipt. NAVO and FNMOC are continuing to pursue GOES-R Direct Read-out capability, but plan to use PDA “Operational” delivery until DRO capability is established. 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.