



Working Group for Cooperative Support & Backup



WG-CSAB Updates

**Fall 2016 COPC Meeting
(NAVO, Stennis, MS)
Oct 25-26, 2016**

**Lamar Russell
WG-CSAB Chair**

WG-CSAB Current Membership

NAVO Representative	Mr. Lamar Russell (Chair)
557 WW Representative	Mr. Ted Vroman
FNMOOC Representative	Mr. Jim Vermeulen
NCEP Representative	Ms. Carissa Klemmer
NESDIS Representative	CAPT Will Odell*
OFCM Executive Secretary	Mr. Ken Barnett
WG/OD Co-chair	Mr. Vince Tabor (NESDIS)
WG/OD Co-chair	Mr. Kyle Rushing (NAVO)
WG/CCM Chair	LCDR Tristan Borne (FNMOOC)

*New to this group or role since the last COPC meeting

DAPE Agreement and the ESDA

- 557 WW:
 - Based on the reorganization AF and the 557 will not pursue updating the DAPE MOA or related ESDA.
 - 557 will state their requirements to the higher levels of AF.
 - AFLCMC will look to develop an agreement (or process) to MIPR money to NESDIS for the DAPE Gateway costs, the DOMSAT costs, and the PDA(IDPS) costs.
 - This agreement will be necessary to take the place of the DAPE MOA by September 30, 2018.

 - Navy:
 - CNMOC will work to replace the DAPE MOA with an agreement by September 30, 2018.
 - They will investigate with NESDIS the merits of separate agreements vs one agreement.

 - Any other DAPE MOA necessary content can be incorporated in the COPC TOR or the P14 document.
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Testing and Documentation

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 MPG (NFG) to both Navy OPCs.

- Reviewed in the WG/CCM briefing.
- CCM recommends keeping 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).

- OPCs' submission almost complete.
 - CSAB will meet after COPC to resolve a couple of issues and plan to publish in Jan 2017.
 - CSAB requests a document name change to the *Federal Plan for Cooperative Support and Outage Mitigation Among Operational Processing Centers* (FCM-P14-2017)
 - A reference to a new annex will be added but that document will be updated independently from the P14 update process.
 - *Annex 1 – Network Operations (NETOPS) Concept of Operations (CONOPS) for the Operational Processing Centers (OPC)*
 - CSAB recommends keeping this action open.
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GOES-R Data

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.

- Air Force working contracts for DRO receipt, processing and assimilation of GOES-R at Offutt AFB.
 - Modifying the existing GOES antenna at Offutt and installing GOES-R configured MIVB server hardware.
 - Estimated completion Dec 16/Jan 17.
 - Internal 557 WW project exists to ingest and exploit the data in applications.
- NAVO and FNMOC are continuing to pursue GOES-R Direct Read-out capability, using the Navy ESRP Program
 - Plan to use PDA “Operational” delivery until DRO capability is established.
 - NRLMRY has installed antenna’s. Plan to leverage that capability and recommend movement into ESRP to address continued O&S costs.
 - FNMOC also plans to access the GOES-R data via NOAAPORT.
- CSAB recommends keeping this action open.

Himawari-8 Data

COPC Action Item 2016-1.3: OPCs to receive the Himawari-8 data operationally from PDA.

Purpose: To have operational support (24x7) of the data feed that is used to create OPC mission critical products. (H8 data is anticipated to be available on PDA in the summer of 2017).

- 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.
 - In the interim, NESDIS/STAR will continue to produce and distribute H-8 data to authorized external users under a best effort basis.
 - To date, the STAR H8 service has been highly reliable.
 - 557 WW operationally using the MARK IV-B to get 5 channels of data (MTSAT-2 like) via HimawariCast; data passed to FNMOC.
 - MARK IV-B will be updated to process 14 channels and begin data flow to 557 WW in Spring 2017; 557 WW will initially leverage 7 channels.
 - Recommend keeping this action open.
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Himawari-8 Data

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.

- The level of effort to serve H8 data is not as simple as first hoped.
 - 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.
 - NCEP would need to generate ftps user accounts.
 - 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.
- Recommend keeping this action open.

Questions / Discussion

Extra Slides

WG and JAG Chairs

■ CSAB

- 1994 James G. Howcroft (NMC)
- 1995 Donald Caviness (AFWA)
- 2000 Carl Thormeyer (FNMOC)
- 2005–2008 (Sept) John Zapotocny (AFWA)
- 2008 (Oct) CDR Mark Moran (NCEP)
- 2008 (Nov)– 2011 (May) Allan Darling (NCEP)
- 2011 (Jun) – 2014 (Dec) David McCarren (CNMOC)
- 2015 (Jan) – (Current) Lamar Russell (NAVO)

■ JAG/CCM

- 2002 LCDR Susan Groening (FNMOC)
- 2004 Sherryl Panek (FNMOC)
- 2004-2008 Walter Coley (AFWA)
- 2008-2010 (Oct) Luis Cano (NCEP)
- 2010-2011 (1 Apr) Chris Finnigsmier (AFWA)
- 2011 (Jun) – 2015 (May) Mr. Craig Wade (NESDIS)
- 2015 (Jun) – (Current) LCDR Tristan Borne (FNMOC)

■ WG/OD

- 2005–2007 Mike Matson (NESDIS) [Satellite]
- 2005–2008 CoChair Jon Whiteside (AFWA)
- 2007–2008 CoChair Gary Petti (NESDIS)
- 2008 (Oct) – 2011 (May) CoChair Brad Ballish (NCEP) [Conventional]
- 2008 (Jun) – 2011 (May) CoChair Jim Vermeulen (FNMOC) [Satellite]
- 2011 (Jun) – 2015 (May) CoChair Dennis Hobson (AFWA) [Satellite]
- 2011 (Jun) – (Current) CoChair Kyle Rushing (NAVO) [Conventional]
- 2015 (Jun) – (Current) CoChair Vince Tabor (NESDIS) [Satellite]