



Working Group for Cooperative Support & Backup



WG-CSAB Updates

**Fall 2017 COPC Meeting
(NCEP/NCWCP, College Park, MD)
Nov 7-8, 2017**

**Lamar Russell
WG-CSAB Chair**

WG-CSAB Current Membership

NAVO Representative	Mr. Lamar Russell (Chair)**
557 WW Representative	Mr. Ted Vroman
FNMOCC Representative	Mr. Jim Vermeulen
NCEP Representative	Ms. Carissa Klemmer
NESDIS Representatives	CAPT Will Odell** Mr. Chris Sisko
OFCM Executive Secretary	Mr. Ken Barnett
WG/OD Co-chair	Mr. Vince Tabor (NESDIS)
WG/OD Co-chair	Mr. Eric Wise (AF A3W)**
WG/CCM Chair	LCDR Tristan Borne (FNMOCC)**

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

** Leaving the role or group



COPC and COES Coordination

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.

- 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.
- Recommend 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.

- CSAB and OD-Sat members were added to the distro list.
 - Recommend closing this action.
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Bandwidth Requirements Template (Data Inventory)

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.

- NAVO and FNMOC have to perform a similar process to respond to the Navy Circuit Management Board request.
 - Kevin Greenlee (NAVIFOR CCM SME) has developed a new template/workbook which could simplify data entry, validate data, and automate data summaries and visualization.
 - CSAB will need to determine the necessary business rules for entry.
 - Level of entry (i.e. satellite or sensor or data product...)
 - 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.
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DAPE MOA and ESDA Follow-on

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.

- Current DAPE and ESDA:
 - DAPE covers data exchange amongst the 5 OPCs and ends on Sept 30, 2018.
 - There is only 1 annex (ESDA) that shows the shared satellite data exchange and shared funding.
 - NESDIS uses the DAPE (not the ESDA) to accept MIPR money from DOD and will need some sort of follow-on after Sept 30, 2018.
 - Deal with the next agreements and funding separately (Navy/NOAA and AF/NOAA)
 - 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].
 - NAVIFOR and NOAA OGC have drafted a replacement for the funding requirement of the DAPE MOA/ESDA titled *United States Navy Satellite Data Exchange through Data Acquisition Processing Exchange (DAPE), Annex XVIII*.
 - HQ ACC validated 557 WW use of NESDIS Data Services and would look to HAF working through SPOs (LCMC and SMC) to coordinate what is necessary to MIPR funds to NESDIS.
 - Recommend keeping this action open.
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GOES-16 OPC Data Exchange

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.

- 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.
 - Also sending a requirements letter requesting to pull the data from the 557 for COOP and IA concerns.
- 557 WW receives via Mark IVB and will not request from NCEP.
- Recommend closing this action.



Operational 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 no clear funding identified.
- Recommend closing this action.



Documents Status

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

- 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 has been added but this Annex will be updated independently from the P14 update process with its own date.
 - *Annex 1 – Network Operations (NETOPS) Concept of Operations (CONOPS) for the Operational Processing Centers (OPC)* – still in draft form.
 - OFCM 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.
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Working Group Chairs

■ WG/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) *

■ WG/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) – 2016 (June) CoChair Kyle Rushing (NAVO) [Conventional]
- 2015 (Jun) – (Current) CoChair Vince Tabor (NESDIS) [Satellite]
- 2017 (Mar) – (Current) CoChair Eric Wise (AF) [Conventional] *

* Discuss finding replacements.

Status of the COPC AIs

2017-1.1: Brief the COES about the need to better understand the planned future and near-term, research and operational, domestic and international, satellites. **(Recommend Closing)**

2017-1.2: Request the CSAB and WG/OD Satellite members be invited as observers to the COES meetings. **(Recommend Closing)**

2017-1.3: Fund and implement a new fiber connection between NSOF and NMIC. **(Recommend Closing)**

2017-1.4: Develop a new Data Inventor/telecommunication bandwidth requirements template and an estimated to complete with data for COPC approval. **(Recommend Closing)**

2017-1.5: Monitor AF replacement for and Navy/NOAA members draft/develop replacement/s for the the DAPE/MOA and the ESDA for COPC's review. **(Keep Open)**

2017-1.6: Investigate alternative operational providers of GOES-16 data for the two Navy OPCs. **(Recommend Closing)**

2016-1.3: OPCs to receive the H8 data operationally from PDA. **(Recommend Closing)**

2013-1.5: Implement an end-to-end latency test exchange using representative proxy data from NOAA (NESDIS, TOC, and NCEP) through NFG to each DOD OPC. **(Keep Open)**

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

Questions / Discussion
