

# **Working Group For Centralized Communications Management**

## **WG/CCM COPC Status Updates and Recommendations**

**NOV, 2017  
LCDR Tristan Borne  
WG/CCM Chairperson**

# WG/CCM Team

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Jagdish Rai	DISA

\* Leaving the role or group

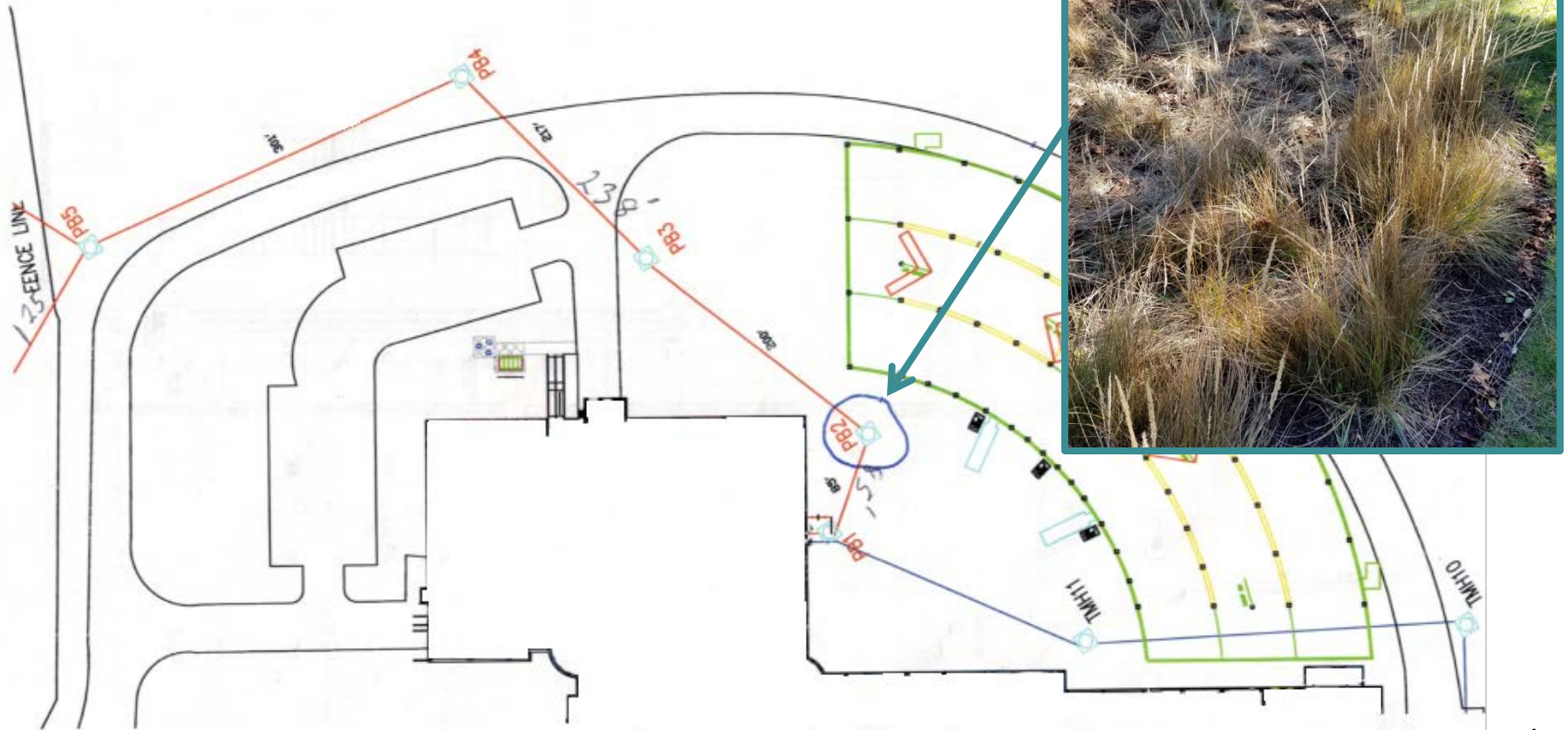
# COPC Network Action Items

**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 Mission Partner Gateway (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 latency baseline before the Joint Information Environment-Joint Regional Security Stack (JIE-JRSS) is implemented at each DOD OPC.

- New 24 strand single mode fiber optic cable installed. Installers initially faced problems accessing the last manhole before entering NMIC.
- CCM recommends closing this action item.

# Fiber Installation Issue



# COPC Network Action Items

**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 each DoD OPC.

- Parallel efforts are in place to connect to both NFGs.
- 1<sup>st</sup> implementation; use the new fiber run from NSOF to NMIC.
  - Transmit test data to NAVO from NSOF (NOAA) via the Columbus NFG/MPG.
  - Detailed testing plan required.
- 2<sup>nd</sup> implementation; initiate full Alternate path testing.
  - Dependent on DISA's execution of the NFG connection (TSO A74261/70YV-01), path is Boulder, CO to Buckley AFB to San Antonio NFG connection.
  - Dependent on assessment of NAVO – NOAA testing.
- CCM recommends keeping this action item open.

# Suitland/Columbus MPG Testing

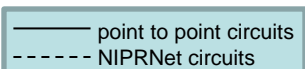
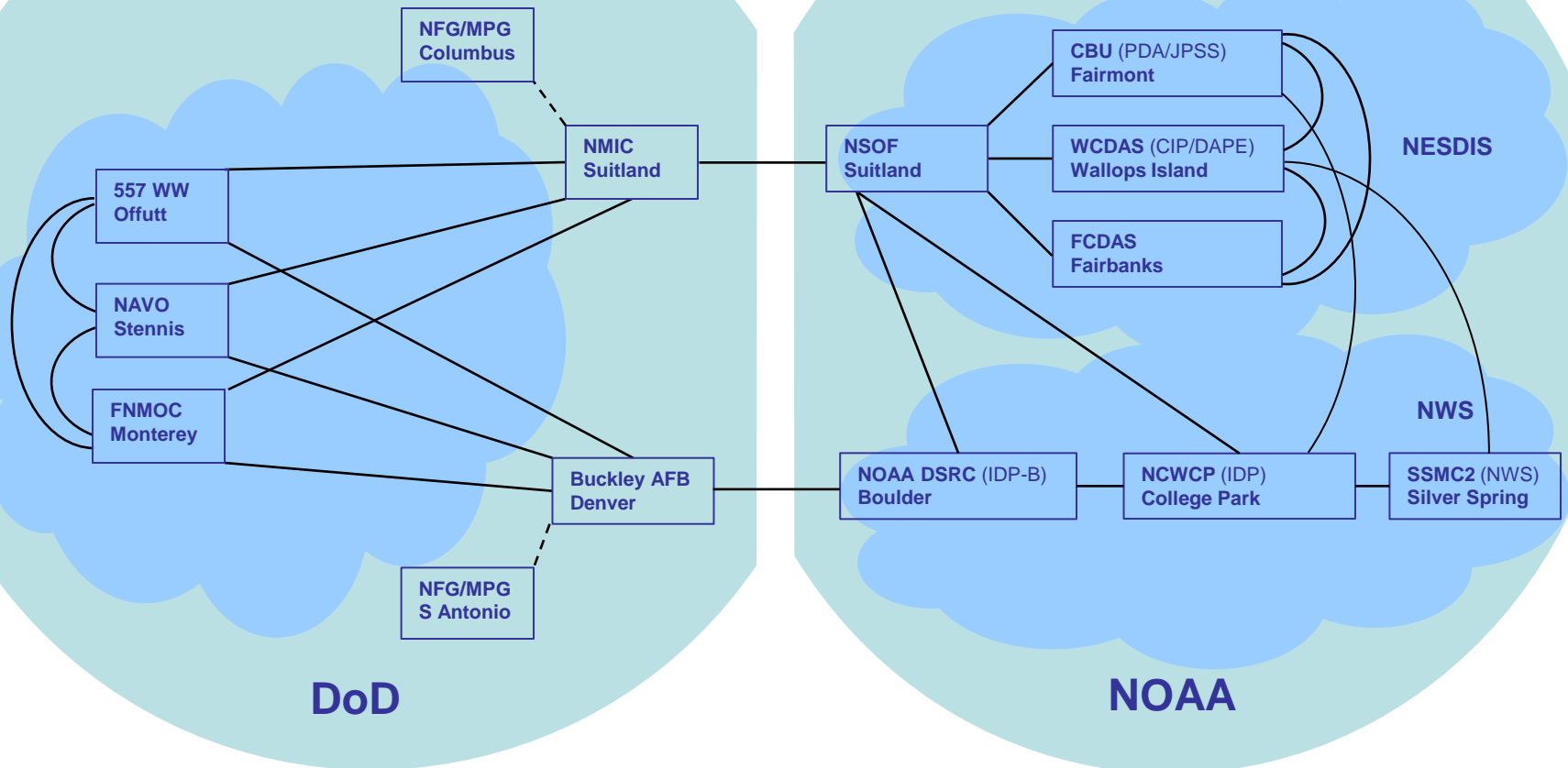
- AF 557th WW register CCSDs into DISA SNAP database.
- Establish NESDIS access to test SFTP server
- Update NAVO firewall and Access Controls Lists (ACL's) for NESDIS/NSOF system to transmit (test/live) data.
- NAVO's default route out to NIPRnet is already exists in our External Router -- if the NESDIS test server IPv4 address isn't in our static route tables for COPC, NAVO traffic will automatically traverse out NIPR.
- NESDIS will need to advertise a Class C, 255.255.255.0 /24 subnet out to DISA
  - Establishes a BGP peering session with the NFG peer node
  - Allow DISA to route traffic between NAVO & NESDIS (Suitland) through the NFG.
- Determine impact on latency
  - Review transmit times over NFG path recorded in transfer logs and compare to existing active transfer system logs.

# Questions

# Current Simple Diagram

**NIPRNet: DoD's Sensitive but  
Unclass IP routed Cloud**

**NOAA  
Unclass IP routed Cloud**





# End Goal: What CCM is working towards

**NIPRNet: DoD's Sensitive but  
Unclass IP routed Cloud**

**NOAA  
Unclass IP routed Cloud**

