

Central Operations

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2nd NATIONAL OPERATIONAL PROCESSING CENTERS
OBSERVATIONAL DATA WORKSHOP

NWS National Centers for Environmental Prediction

Specialized Services – Common Mission

- **490 FTE**
- **237 Contractors**
- **20 visitors**
- **5 NOAA Corps Officers**
- **\$137M Budget**



Aviation Weather Center
Kansas City, MO



Space Weather Prediction Center
Boulder, CO



Storm Prediction Center
Norman, OK



National Hurricane Center
Miami, FL



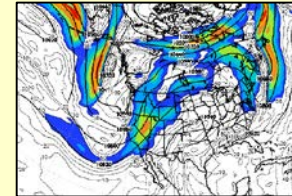
NCEP Central Operations
College Park, MD
(Supercomputers in
Reston & Orlando)



Ocean Prediction Center
College Park, MD



Climate Prediction Center
College Park, MD



Environmental Modeling Center
College Park, MD



Weather Prediction Center
College Park, MD

Mission

NCEP delivers national and global operational weather, water and climate products and services essential to protecting life, property and economic well-being.

Vision

The trusted source for environmental predictions from the sun to the sea, when it matters most.



NWSTG



NWS Telecommunications Gateway

- **Primary Ingest and Dissemination of data for the NWS**
 - Includes some formatting/re-formatting of existing data
 - **Global Telecommunication System (GTS)**
 - Data Management controls routing and customer support
 - **Other Supported Telecommunications**
 - NWS FTP server “tgftp”, Upper Air, Marine Comms, Ship Reports, Lightning data, Buenos Aires Comms, Canada Comms, Hurricane Hot Line
 - **Monitoring Support**
 - Provide primary Tier 1 support for Automated Surface Observing Systems (ASOS) and NEXRAD radar sites
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- **Additional Data Dissemination provided from the IDP system**
 - NOMADS, MAG, NWS websites, etc



NCO Customers



- NOAA Partners:

- NCEP Centers
- NWS Weather Forecast Offices/River Forecast Centers
- NCDC, NESDIS, NOS



- Government Agencies

- U.S. Agencies: DOD, DHS, EPA, FAA, etc.
- Other countries' weather services via the WMO GTS and GISC



- Worldwide Weather Community

- Aviation, emergency managers, ocean transportation, hydrology, recreation...
- Weather vendors and media outlets
- University and research organizations
- Private citizens



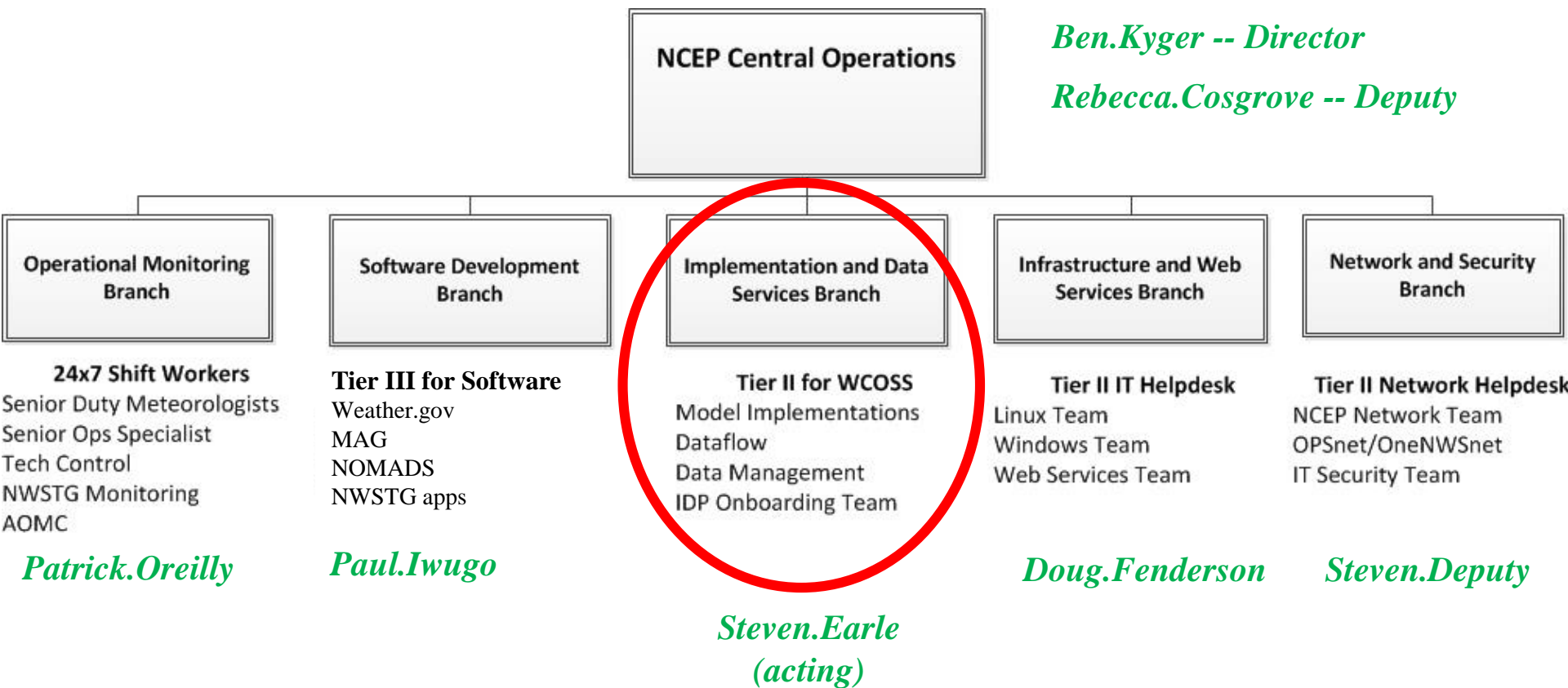


NCO's



Organizational Structure

- On April 1, 2015, NCO and the TOC operations and staff merged as part of NWS HQ Reorg
- NCO Director became system owner of OneNWSnet (formerly OPSnet) and NWSTG systems in addition to NOAA 8860 (WCOS and IDP)





Questions?

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