



Office of Dissemination (DIS) Portfolio

FY 2019 Annual Operating Plan Meeting

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Office of Dissemination

May 22, 2018

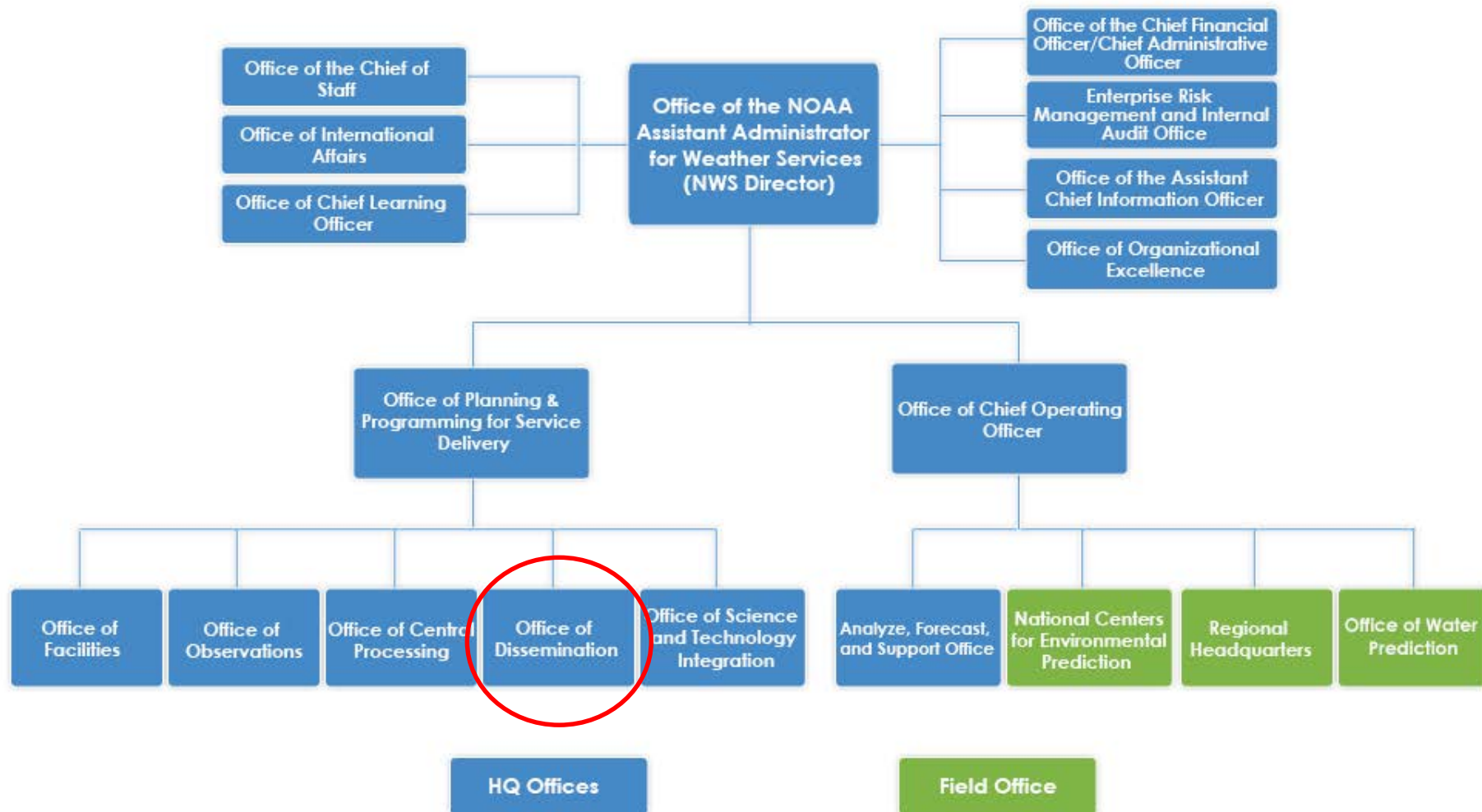


Agenda



- Office Structure / Roles & Responsibilities
- Key POCs for interagency Collaboration
- U.S. Focal Point WMO Data Access and Retrieval (WIS/DAR)
- Global and regional GTS data dissemination paths to and from the U.S.

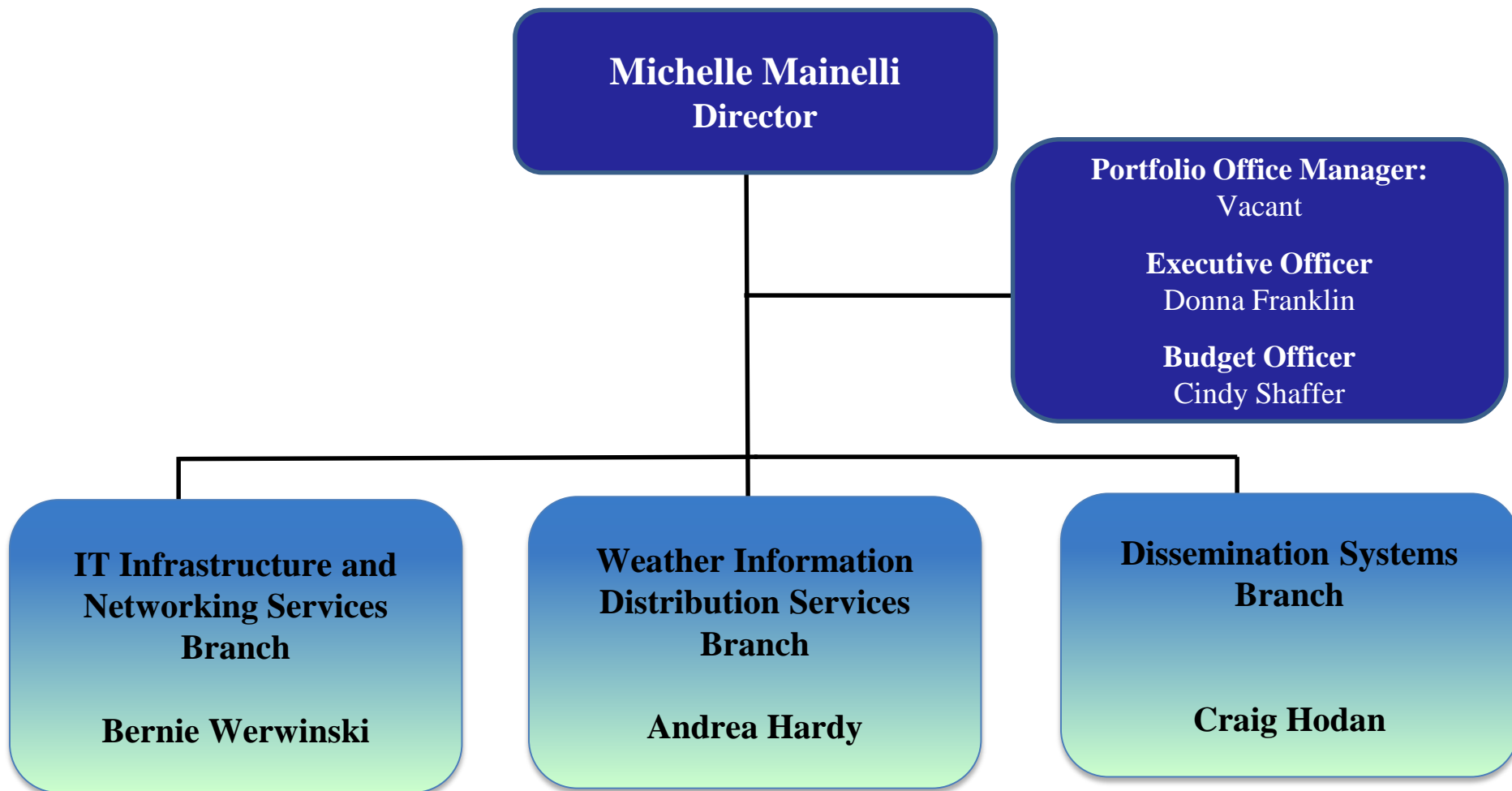
NWS Organizational Structure





Portfolio Summary

Dissemination Portfolio Organization





Dissemination Mission / Vision

Mission

Efficiently provide reliable weather information to improve public safety for a Weather-Ready Nation.

Vision

The Nation receives timely, location-specific weather information anytime, anywhere - enabling the Public take action when a threat exists.

Core Values

Commitment, Integrity, and Excellence



Office of Dissemination

- Performs portfolio management for all NWS Dissemination Services.
- Responsible for portfolio management of the operation, and maintenance of NWS IT systems, infrastructure, and services throughout the Nation including: planning, development, acquiring, monitoring, maintenance, system upgrades, consolidation, termination, and expansion whether directly or through NWS field offices and contract support.
- Responsible for integration and planning of new dissemination requirements-driven technologies for performance enhancement and cost effectiveness.
- Responsible for managing and overseeing operations of select dissemination systems.
- Responsible for dissemination of NWS weather, water, and climate data and information to the public to support sector-relevant economic productivity and to help communities, businesses, and governments understand and adapt to weather- and climate-related risks.
- Responsible for promoting increased accessibility, interoperability, and stewardship of NOAA data, and for leading, delivering, and coordinating NWS' contribution to NOAA, DOC, and Administration data dissemination initiatives.
- Maintains performance measures for dissemination programs.
- Serves as the focal point for coordinating and resolving portfolio management challenges with dissemination programs through interaction with regional/field/headquarters units.
- Ensures that policy, procedures and backup systems through program planning are in place to sustain dissemination systems operational capability.
- Focal point within the Dissemination budget portfolio for portfolio and budget planning, milestone integration and provision of internal controls.

Portfolio Summary Dissemination Scope

To help ensure a Weather-Ready Nation and optimize the delivery of scalable and agile dissemination capabilities organized around:

Networks

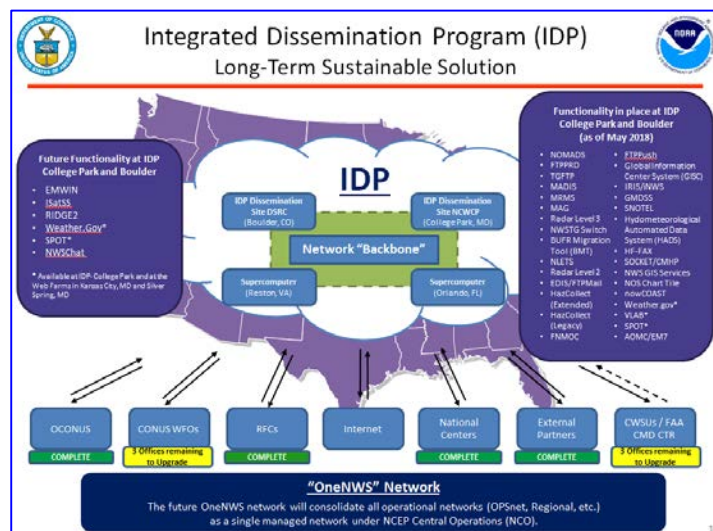
- OneNWS Network
- GOES-R/GOES-S/Himawari Rebroadcast Antennas
- Hurricane Coordination Hotline System

Dissemination Infrastructure

- IDP Systems in College Park MD & Boulder, CO
- NIDS Kansas City, MO & Silver Spring, MD

Weather Information Dissemination Systems

- NOAA Weather Radio (NWR)
- Emergency Managers Weather Information Network (EMWIN)
- Wireless Emergency Alerts (WEA) / Emergency Activation System (EAS)
- Hydrometeorological Automated Data System (HADS)
- GIS & Web services





U.S. Focal Point WMO Data Access Retrieval



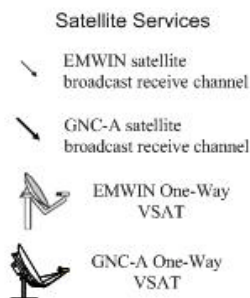
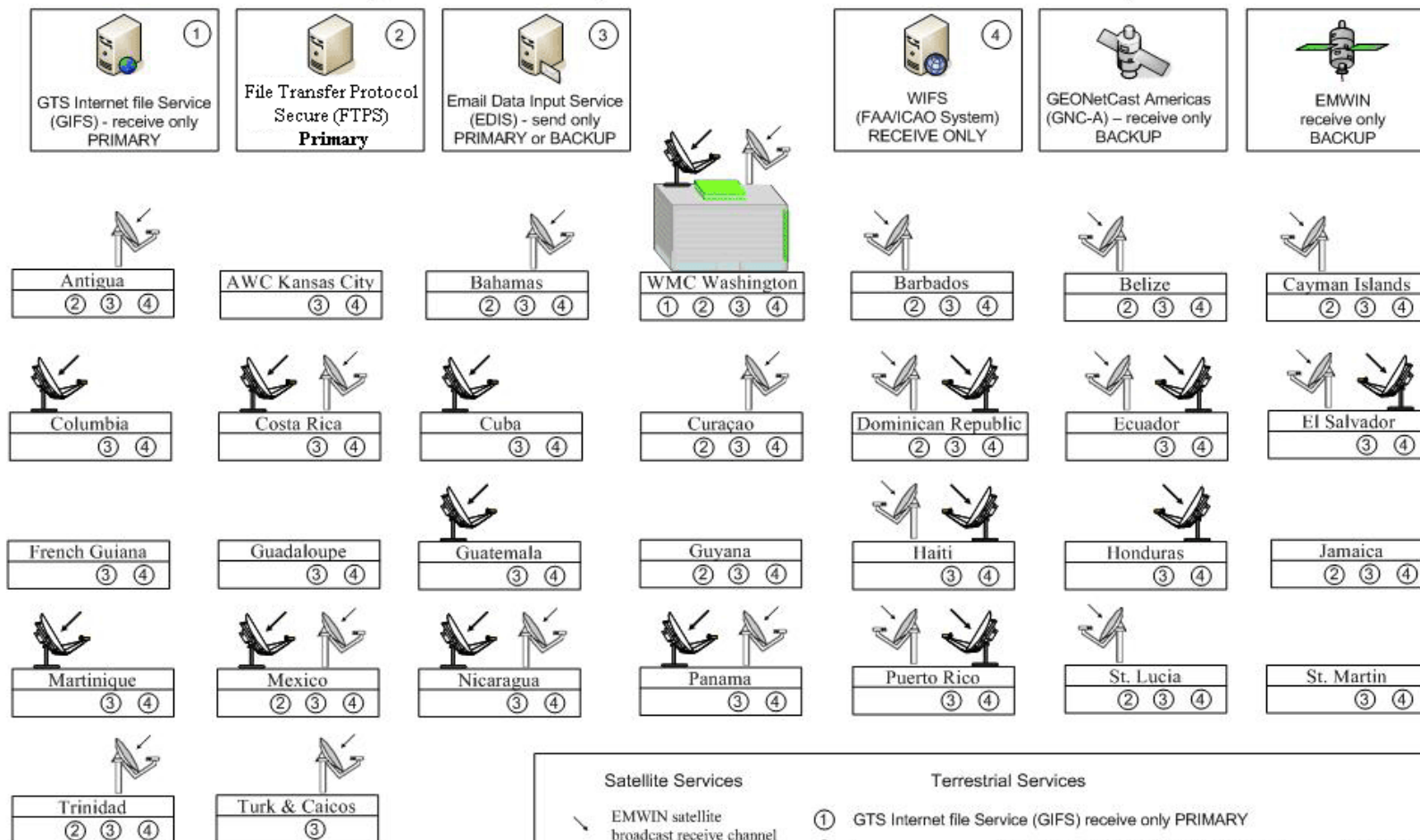
- WMO Interagency POCs
 - Kari Sheets:
 - WMO - ICT -ISS (the Information Services chairs team) - Region 4 rep because we don't have a chair of one of the ICTs
 - WMO - ET-WISC - Expert Team WMO Information System Centers
 - WMO - TT-GISC - Task Team Global Information Systems Centers
 - Nancy Helderman:
 - WMO ICAO Meteorology Panel -ODIS representative on panel for meteorological information exchange working with the group implementing iWXXM formatted message



U.S. Region IV Partners

- U.S. Region IV core partners: Tokyo, Melbourne, Exeter, Pretoria, Brasilia, Brasilia, Canada (Germany connecting in June '18)
- Core partners have a 'direct connection' but not a dedicated network
 - Exchange data directly by run similar software
- Aeronautics Space Telecommunication Network (ASTN)
 - Outlying areas that do not have connections to the major partners can use this to get data

Regional Meteorological Telecommunications Network for WMO Regional Association IV (North America, Central America and the Caribbean)



- Terrestrial Services**
- ① GTS Internet file Service (GIFS) receive only PRIMARY
 - ② FILE Transfer Protocol Secure (FTPS) send only PRIMARY
 - ③ Email Data Input Service (EDIS) - send only PRIMARY or BACKUP
 - ④ WIFS (FAA/ICAO System) receive only

Rev: 3/2/2016



GTS and Data Products

- Products- Observations and Model Output
- Review the GISC - Global Information System Center web page
 - <http://gisc-washington.bldr.ncep.noaa.gov/openwis-user-portal/srv/en/main.home>
 - Provides discovery of data - metadata about the products that are available
- If a partner wants a product, they contact the NWS NCO Data Manager to add the product for dissemination to their direct line.
 - Similar to a subscription service

GTS Data Exchange

- Two ways to exchange data:
 - Sockets - most data is passed using this method. It is a constant open connection ‘pipe’
 - push of data
 - FTP - partners login and pull the data sets that they want.

Questions

