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NON-COMPETITIVE DIVISION

The National Weather Service Role Supporting the Operational IT Platforms for Critical Applications

The NWS National Centers for Environmental Prediction Central Operations (NCO) IT platform plays a critical role in supporting NOAA's Weather-Ready Nation. NCO is responsible for managing the network infrastructure and the two private cloud data centers that run applications used by NWS forecasters, Government partners, Emergency Managers, and private users. The topics this poster will include are: the architecture, application responsibilities, and challenges supporting applications that transmit watches, warnings, and advisories.

Presentation Theme: The theme of the presentation is to demonstrate the technical details of how weather data is transmitted from the local offices to NCEP Central Operations and to all core partners and the public.

Collaborators, Advisor(s) and Department(s) that assisted with this research: Carissa Klemmer