

NWS Telecommunications Gateway Data Exchange

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Spring COPC



COPC Coordination Items - IDP



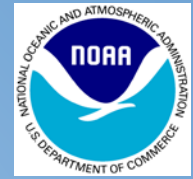
- The Telecommunications Gateway (TG) now has two fully functioning data centers in Boulder, CO and College Park, MD
 - All OPCs met the requested timelines to transition TG data flows in IDP
 - Each OPC has worked with NCO to find the appropriate feed configuration
 - Since January multiple failovers between the two sites have been performed
 - Two data centers allow for a non-impactful Boulder building power outage, currently scheduled for May 13, 2017
 - This year will be spent moving non TG data exchanges with OPCs into IDP



COPC GTS Data - IDP

- Within the World Meteorological Organization (WMO) there are 6 regions that operate the networks to exchange data over the Global Telecommunication System (GTS)
- Washington's current data exchange:

	Washington Exchange
Region 1, Africa	via Europe (Exeter)
Region 2, Asia	via Europe (Exeter)
Region 3, South America	Brasilia & Buenos Aires
Region 4, North America	-
Region 5, South Pacific	Melbourne
Region 6, Europe	Exeter



COPC GTS Data - IDP

- Highlighted in red is what has been identified as single points of failure within Washington's GTS exchange

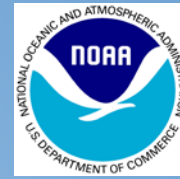
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COPC GTS Data - IDP

- The NWS Headquarters Office of Dissemination is currently working on a request from Germany (Offenbach) to receive GTS data from Washington
- Since Washington already exchanges data with Melbourne, we are internally working on the feasibility of appending to this feed to have Asia redundancy.

	Current Exchange	Future Backup Goal
Region 1, Africa	via Europe (Exeter)	via Europe (Offenbach)
Region 2, Asia	via Europe (Exeter)	via South Pacific (Melbourne)
Region 3, South America	Brasilia & Buenos Aires	-
Region 4, North America	-	-
Region 5, South Pacific	Melbourne	-
Region 6, Europe	Exeter	Offenbach



QUESTIONS ?

