



The NWS Dissemination Re-architecture

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NWS Collecting Comments on Dissemination Re-architecture



- NWS has been conducting a multi-phased assessment of its data dissemination architecture since May 31, 2011
- Dissemination channels currently being considered include:
 - NWS Telecommunications Gateway
 - All Hazards NOAA Weather Radio
 - NOAA Weather Wire
 - Family of Services
 - NOAAAPORT
 - Emergency Managers Weather Information Network system
 - NWSChat
 - iNWS, and all web-based email, and telephone services
- Specific areas being considered include:
 - Data Sets
 - Dissemination methods
 - Best practices of all other existing dissemination systems
 - Operational levels of availability, timeliness, and prioritization
 - Service levels including expansion of Family of Services

Input Protocols	Output Protocols
<ul style="list-style-type: none">– DBNet– Email– FTP– HTTP/HTTPS– IP Sockets– SSH– X.25	<ul style="list-style-type: none">–DBNet–FTP, sFTP, vsFTP–SCP–HTTP/HTTPs–LDM–SMTP–IP Sockets–SSH–X.25
Systems	
<ul style="list-style-type: none">– NCEP– NWSTG (includes Hazcollect)– NIDS– WOC– EMWIN	

Dissemination Re-architecture Goal:

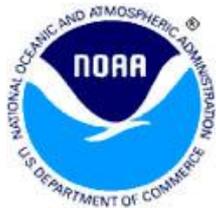
Create a forward-looking dissemination architecture utilizing emerging technology with implementation targeting the 2015 timeframe



Partners and End-users Have Identified Core Themes



- Throughout this effort, many partners and end-users of NWS data have identified these main areas of interest:
 - Information Assurance
 - Latency
 - Redundancy/Points of Failure
 - Standardization
 - Interoperability
 - Subscription Services
 - Mode of Acquisition - push/pull of data



In Addition to Listed, Describe Your Usage and Requirements

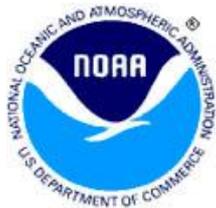


Current Usage:

- What is a typical day for your organizations in accessing, manipulating and disseminating data?
- Data Sets
 - What products do you use?
 - What protocols do you use most?
 - If you do so, what systems do you access or utilize to exchange data with the NWS?
 - What data/products do you currently receive that you don't need, and what data/products do you need that you don't currently receive?
- Dissemination methods
 - How do you obtain data? What is your preferred method to obtain data?
 - What is helpful and/or valuable to accessing the system or providing data to the system?
 - What are your current challenges to accessing the system/data or providing data to the system?

Expected Future Usage and Requirements:

- What, if any, bandwidth issues or challenges do you have? What changes or impacts in your current systems or requirements do you anticipate between now and 2015?
- Do you anticipate needing more web-based products, or greater direct access to raw data?
- What changes to your bandwidth requirements are you expecting?
- What changes would you like to see in the NWS dissemination system?
- What, if anything do you believe will be necessary for your organization's future data exchanges?



Operational and Service Levels

- Operational levels of availability, timeliness, and security
 - How often do you access/or upload data with the NWS system?
 - How long should your specific data sets be made available?
 - What type of security environment do you operate within?
 - What security concerns/issues do you have moving forward?
 - How do you expect your operational needs to change in the next 5 – 10 years?
- Service levels including expansion of Family of Services (FOS) dissemination, and subscription services
 - Is your organization part of the family of services, or do you utilize FOS products?
 - What improvements can be made to the current FOS dissemination methods used by your organization?
 - What other data products or services should be offered in the FOS program?
 - How would a move to subscription services benefit or challenge your organization?



Have further suggestions?

- Please submit any additional comments by close of business Friday, 8/12/2011
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