

Global Harmonization Through Collaboration

WXXM Break Out Session

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**Federal Aviation
Administration**

AIR TRANSPORTATION INFORMATION EXCHANGE CONFERENCE - (FEATURING AIXM, WXXM AND FIXM)

August 28, 2012 - August 31, 2012
NOAA Auditorium and Science Center
Silver Spring, Maryland



What you missed



Air Transportation Information
Exchange Conference - (featuring
AIXM, WXXM and FIXM)

- A extreme valuable information sharing event
- Great variety in topics tackled
- New inputs for the developers of the presented initiatives

What you missed, in detail



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- Security check for building 4
- WXXM Release Strategy
- ICAO LDM & WXXM v2 Outlook
- WMO METCE
- Efficient XML
- Web Grid Documentation Service
- NextGen on a tablet

What you missed



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WXXM Release Strategy



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- ICAO Model RC1 & WMO METCE RC1: October 2012
- ICAO Model RC2 & WMO METCE RC2: February 2013
- ICAO Model & WMO METCE freeze: April 2013
- ICAO Model & WMO METCE released: July 2013

- WXXM v2: Spring 2013 →

ICAO LDM & WXXM v2



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- Explanation on the design of the ICAO LDM
- Planned changes to WXXM resulting in a WXXM v2

WMO METCE



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- Explanation on the design of the WMO METCE
 - Logical Data Model for Meteorology
 - Proposed to 'drive' all the WMO data formats
- Design of WMO METCE explained with a simple real life implementation

Efficient XML



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- Follow-up of last years report
- Now includes compression **and processing** in the assessment metric
- Draft results currently assessed
- Report expected later this year

Web Grid Documentation Service



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- NWS activity to develop OGC compliant services for the National Digital Forecast Database (NDFD)
- The different type of OGC services prototyped for NDFD were explained



NextGen on a tablet



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- NWS activity to develop WXXM compliant services meeting FAA/NextGen requirements demonstrated on a mobile platform
- Designed to also meet other federal agencies requirements to support weather data management services

Main issues observed



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- WXXM, ICAO Model, WMO METCE, AIRM:
 - Alignment/relationship with ATM Information Reference Model
 - Use of XML Schema 1.1 (open content model)
 - Complex governance
 - Incorporation of emerging MET information requirements

Questions



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