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PNSWSH

Service Change Notice 21-26 Updated
National Weather Service Headquarters Silver Spring MD
1050 AM EDT Fri Jul 2 2021

To: Subscribers
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 -Emergency Managers Weather Information Network
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From: Bruce Entwistle
 Chief, Aviation and Space Weather Services Branch

Subject: Updated: Operational ICAO Meteorological Information Exchange
Model (IWXXM) Products for Aviation Will Be Delayed Until on or Around
August 24, 2021

Updated to delay IWXXM products until on or around August 24, 2021.

NWS will introduce International Civil Aviation Organization (ICAO)
Meteorological Information Exchange Model (IWXXM) products for aviation on
or around August 24, 2021, a delay from the previously planned June 30,
2021 implementation date. These products include eXtensible Markup
Language (XML) based representations for products standardized in ICAO
Annex 3 and World Meteorological Organization (WMO) No. 49, Volume II.
XML products including IWXXM are used for machine-to-machine operational
exchanges of meteorological information used in aviation.

Testing found issues in data processing that will be fixed and re-tested
by mid-July. Additional 30-day stability testing and configuration
management push IWXXM availability on the NWS Telecommunication Gateway
(NWSTG) into late August. NWS is also making IWXXM available via public
Application Programming Interfaces (API) on or about September 30, 2021.

When implemented, the WMO ID headers below identify products that users
can access via the NWS Telecommunication Gateway (NWSTG) under WMO defined
T1T2 (from TTAAii) headers for the following IWXXM data types:

LA -- Aviation Routine Report (METAR)
LC -- Aerodrome Forecast ("short" Terminal Aerodrome Forecast
 (TAF)) (valid times < 12 hours)
LK -- Tropical Cyclone Advisory
LN -- Space Weather Advisory (SWXA)
LP -- Special Aviation Weather Reports (SPECI)
LS -- Significant Meteorological Information (SIGMET)
LT -- Aerodrome Forecast ("long" TAF) (valid times >= 12 hours)
LU -- Volcanic Ash Advisory
LV -- Aviation Volcanic Ash (VA) Warning (VA SIGMET)
LW -- Airmen's Meteorological Information (AIRMET)
LY -- Aviation Tropical Cyclone (TC) Warning (TC SIGMET)

NWS has already extended the use of XML formatted data to other non-aviation operational products (e.g., Common Alerting Protocol [CAP] messages), and with appropriate notification may extend the use of XML formatted data to other existing operational NWS products.

Until the implementation date, global formatted IWXXM products may become available in parallel with the Traditional Alphanumeric Content (TAC) Operational METEorological (OPMET) data.

For examples of real-time US TAFs in IWXXM version 3.0, go to the following link:

<https://tgftp.nws.noaa.gov/data/raw/lt/>

Other IWXXM messages may be available in the appropriate "1" folder in the /data/raw/folder on tgftp.

More information about IWXXM files can be found in the Product Description Document (PDD) linked below:

https://nws.weather.gov/products/PDD/PDD_IWXXM_Operational_2021.pdf

For more information or questions, please contact:

Michael L. Graf
Meteorologist/International Liaison
National Weather Service
Silver Spring, MD
301-427-9109
michael.graf@noaa.gov

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<https://www.weather.gov/notification/>

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