

NOUS41 KWBC 261050 AAA  
PNSWSH

Service Change Notice 21-47 Updated  
National Weather Service Headquarters Silver Spring MD  
750 AM EDT Mon Apr 26 2021

To:           Subscribers  
              -NOAA Weather Wire Service  
              -Emergency Managers Weather Information Network  
              -NOAAPort  
              Other NWS Partners, Users and Employees

From:         Bruce Entwistle  
              Chief, Aviation and Space Weather Services Branch

Subject: Updated: eXtensible Markup Language (XML) Graphical  
AIRman's METeological Information (G-AIRMET) is Now  
Operational

Updated to include correct Product Description Document (PDD)  
link below.

NWS began transmitting the G-AIRMET in XML format on March 3,  
2021. XML G-AIRMET is part of a set of XML-formatted U.S.  
Weather (USWX) aviation weather products. USWX supports U.S.  
domestic aviation operations and is a companion product to  
International Civil Aviation Organization (ICAO) Meteorological  
Information Exchange Model (IWXXM) products standardized in ICAO  
Annex 3 and World Meteorological Organization (WMO) No. 49,  
Volume II. The aviation industry uses XML products, including  
USWX and IWXXM, for machine-to-machine operational exchanges of  
meteorological information.

The WMO ID headers below identify XML G-AIRMET products that  
users can access via the NWS Telecommunication Gateway (NWSTG)  
under WMO defined T1T2 (from TTAAii) headers:

LWGE86 KKCI (SIERRA)  
LWHE00 KKCI (TANGO)  
LWIE00 KKCI (ZULU)

NWS has already extended the use of XML formatted data to other  
non-aviation operational NWS 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.

USWX products will become available in parallel with their corresponding Traditional Alphanumeric Content (TAC) products.

For examples of real-time G-AIRMET in USWX version 1.0, go to the following link:

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

More information about XML G-AIRMET can be found in the Product Description Document (PDD) linked below:

[https://www.weather.gov/media/notification/ref/pdd\\_xml\\_g-airmet.pdf](https://www.weather.gov/media/notification/ref/pdd_xml_g-airmet.pdf)

For more information or questions, please contact:

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National Service Change Notices are online at:

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

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