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
          METEorological 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

For more information or questions, please contact:

Mark D. Zettlemoyer  
NWS Meteorologist/FAA Liaison  
Silver Spring, MD  
301-427-9371  
mark.zettlemoyer@noaa.gov

National Service Change Notices are online at:

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

NNNN