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:  Comments sought on proposed implementation of
International Civil Aviation Organization mandated Space
Weather Advisory Products by October 1, 2019

Effective November 7, 2019, the NWS Space Weather Prediction
Center (SWPC) in Boulder, CO, will begin the dissemination of
new International Civil Aviation Organization (ICAO) mandated
space weather advisory products.

In November 2018, ICAO selected NWS SWPC as one of the three
global space weather centers (SWXC) to monitor and provide
advisory information on space weather phenomena expected to
affect high-frequency radio communications, communications via
satellite, Global Navigation Satellite System (GNSS)-based
navigation and surveillance systems, and/or pose a radiation
risk to aircraft occupants.

The new ICAO space weather advisories are produced as conditions
warrant according to ICAO Annex 3. Once an advisory is issued,
it will be updated at 6-hour intervals from the nearest hour
after the advisory is issued until the space weather phenomena
are no longer detected and/or are no longer expected to have an
impact. The SWXCs will maintain a 24-hour watch and issue space
weather advisories covering the entire Earth.

The ICAO space weather advisories will provide information and
services required for safe and efficient aircraft operations
that users can employ for decision making. The intended use of
the ICAO space weather advisories is to better prepare flight
crews, operators, air navigation service providers, and civil
aviation authorities when developing flight plans and
operational procedures for managing flights in areas impacted by
space weather events. Also, in terms of situational awareness,
the space weather advisories need to be properly integrated into
the existing docket of aviation considerations as prescribed
actions, center requirements and other functional necessities in
order to address the deleterious impacts to aviation in the
State's purview.
ICAO space weather advisory users include the NWS, Federal Aviation Administration (FAA), international civil aviation authorities, domestic and international commercial airlines, and private companies.

More information about ICAO Space Weather advisories can be found in the Product Description Document (PDD) linked below: https://nws.weather.gov/products/PDD/PDD_NewSpaceWeatherAdvisoryProducts.pdf

The NWS is accepting comments/feedback through October 1, 2019, on the provision of the mandated ICAO Space Weather advisory products. Comments may be provided to:

Dr. Jennifer L. Meehan
National Space Weather Program Lead
National Weather Service Headquarters
Silver Spring MD
Phone: 301-427-9798
Email: jennifer.meehan@noaa.gov

and

Bruce Entwistle
Chief, Aviation and Space Weather Services Branch
National Weather Service Headquarters
Silver Spring MD
Phone: 301-427-9782
Email: bruce.entwistle@noaa.gov

National Public Information Statements are online at: https://www.weather.gov/notification/

NNNN