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Service Change Notice 17-120
National Weather Service Headquarters Silver Spring, MD
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To: Subscribers:
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPORT
 Other NWS partners and NWS employees

From: Craig Hodan
 Chief, NWS Dissemination Systems Team

Subject: GOES-14 Emergency Managers Weather Information Network
 Broadcast Available on or before December 11, 2017

On or before December 11, 2017, the Emergency Managers Weather Information Network (EMWIN) broadcast from GOES 14 will be activated and remain active for 6 months. The broadcast from GOES-14 provides GOES-East users an additional opportunity to continue to use their existing EMWIN satellite receivers and software while making preparations for transitioning to the new HRIT/EMWIN broadcast. The broadcast is scheduled to become operational between December 14-20, 2017, when GOES-16 replaces GOES-13 at the GOES-East station at 75.2 degrees West.

Service Change Notice 17-91 of July 28, 2017, provided information on the transition from GOES-13 to GOES-16:

http://www.nws.noaa.gov/os/notification/scn17-91emwin_goes.htm

GOES-14 is expected to remain in its present geosynchronous orbit at 105 degrees West throughout this service period.

Below are the GOES-14 EMWIN broadcast characteristics:

Frequency: 1692.7 MHz, linear polarization
Modulation: PCM/NRZ-L/Offset QPSK
Data rate: 35940 ksps, 19200 bps CCSDS coding
Data format: EMWIN Quick Block Transfer (QBT) packets

The GOES-14 EMWIN Broadcast will terminate on or about June 13, 2018. Before the broadcast ends, users should either reorient their antennas to the GOES-15 (GOES-West) satellite at 135 degrees West to continue receiving the broadcast -- providing the receiving stations is within the GOES-West satellite footprint and has antenna direct line-of-sight to the satellite; or (b) employ the new HRIT/EMWIN antennas, receivers and software to receive the EMWIN broadcast on HRIT/EMWIN Virtual Channels 20, 21, and 22, from the GOES-East satellite located at 75.2 degrees West.

The GOES-West satellite, GOES-15, is scheduled to be replaced by GOES-S in the fall of 2018, introducing the HRIT/EMWIN broadcast to GOES-West users and terminating the legacy EMWIN Offset QPSK broadcast.

For more information, please contact:

nws.emwin.support@noaa.gov

National Service Change Notices are online at:

<http://www.weather.gov/os/notif.htm>

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