

NOUS41 KWBC 221850  
PNSWSH

Service Change Notice 17-120  
National Weather Service Headquarters Silver Spring MD  
150 PM EST Wed Nov 22 2017

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

[https://www.weather.gov/media/notification/pdfs/scn17-91emwin\\_goes.pdf](https://www.weather.gov/media/notification/pdfs/scn17-91emwin_goes.pdf)

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, provided 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](mailto:nws.emwin.support@noaa.gov)

National Service Change Notices are online at:

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

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