

NOUS41 KWBC 101820 AAC
PNSWSH

Service Change Notice 22-77 Updated
National Weather Service Headquarters Silver Spring MD
120 PM EDT Fri Mar 10 2023

To: Subscribers:
 -NOAA Weather Wire Service (NWS)
 -Emergency Managers Weather Information Network (EMWIN)
 -NOAAPort
 Other NWS Partners and Employees

From: David Michaud
 Director, NWS Office of Central Processing

Subject: Updated: Change to NOAAPort / Satellite Broadcast Network (SBN)
 Effective Early 2023

Updated to include a change to the (NWS) Receiver RF Frequency and to emphasize that any site not transitioned to G31 by the end of the transition window will lose the data feed until their transition is complete.

The NWS was notified by its current satellite vendor of their intention to realign the NOAAPort/SBN/NWS service from the Intelsat Galaxy 28 satellite to the Galaxy 31 satellite.

The NWS has coordinated with its current satellite service vendors to mitigate impacts for all NOAAPort/SBN/NWS customers. This includes activating a dedicated dual illumination period with the Galaxy 28 and the Galaxy 31 satellites to aid customers in transitioning to the newly designated NOAAPort/SBN satellite.

The NWS will continue to provide transition updates as additional information becomes available. The transition schedule follows below:

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Transition Schedule

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12 NOV 2022: G31 Launch Date
5 FEB 2023: Dual Illumination Period
17 FEB 2023: Receive Site Transition Window Start
31 MAR 2023: Receive Site Transition Window Ends
3 APR 2023: AWIPS Transition to G31 Complete

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AWIPS C Band Service
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-- Satellite: G-31
-- Orbital Location: 121° West
-- Transponder: CH16/CV16 36MHz C band
-- Uplink Polarization (from Holmdel teleport to G31): Horizontal
-- Downlink Polarization (from G31 to remote AWIPS receive only sites):
Vertical
-- Transponder Uplink Center frequency: 6245MHz
-- Transponder Downlink Center Frequency: 4020MHz

Satellite (G31) specifications/AWIPS

-- Receiver: Novra S300N DVB-S2 Receiver

Configuration for DVB-S2 Full Transponder Operation

-- IP Address: User Defined
-- Subnet Mask: User Defined
-- Default Gateway: User Defined
-- Symbol Rate: 30 Msps
-- RF Frequency: 1130 MHz
-- LO Frequency: 0 MHz
-- PID(s): 101, 102, 103, 104, 105,106, 107,108, 150, 151
-- LNB Power: OFF
-- Polarity: Vertical/Right
-- Band: High
-- Enable IGMP Filtering: OFF
-- Unicast Status Packet: 255.255.255.255
-- Default password: User Defined
-- FEC Type: DVB-S2
-- Modulation/Coding: 16PSK 2/3
-- ISI: 18

Satellite (G31) specifications/NWWS

--(NWWS) Receiver: Novra S300N DVB-S2 Receiver

Configuration for DVB-S2 Full Transponder Operation

-- IP Address: User Defined
-- Subnet Mask: User Defined
-- Default Gateway: User Defined
-- Symbol Rate: 30 Msps
-- RF Frequency: 1130 MHz
-- LO Frequency: 0 MHz
-- PID(s): 201
-- LNB Power: OFF

-- Polarity: Vertical/Right
-- Band: High
-- Enable IGMP Filtering: OFF
-- Unicast Status Packet: 255.255.255.255
-- Default password: User Defined
-- FEC Type: DVB-S2
-- Modulation/Coding: QPSK 1/3
-- ISI: 2

We would encourage all NOAAPort/SBN/NWWS users to closely monitor this SCN during the transition period for updated information. If you have any questions or concerns, please contact the focal points below:

James Glenn
NOAA/NWS Office of Central Processing
Silver Spring, MD
Email: james.glenn@noaa.gov

Sanford Garrard
NOAA/NWS Office of Central Processing
Silver Spring, MD
Email: sanford.garrard@noaa.gov

National Service Change Notices are online at:

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

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