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PNSWSH

Service Change Notice 22-77 Updated  
National Weather Service Headquarters Silver Spring MD  
220 PM EST Tue Feb 7 2023

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

From:         David Michaud  
              Director, NWS Office of Central Processing

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

Updated to include a change to the Receive Site Transition Window Start  
date and the radio frequency (RF) frequency.

The NWS was notified by its current satellite vendor of their intention to  
realign the NOAAPort/SBN/NOAA Weather Wire Service (NWWS) 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/NWWS 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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November 12, 2022:   G31 Launch Date
February 5, 2023:   Dual Illumination Period
February 17, 2023:  Receive Site Transition Window Start
March 31, 2023:     Receive Site Transition Window Ends
April 3, 2023:      Advanced Weather Interactive Processing System
                    (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
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-- Downlink Polarization (from G31 to remote AWIPS receive only sites):  
Vertical  
-- Transponder Uplink Center frequency: 6245MHz  
-- Transponder Downlink Center Frequency: 4020MHz

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Satellite (G31) specifications/AWIPS  
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-- 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

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Satellite (G31) specifications/NWWS  
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--(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: 990 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 Service Change Notice (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](mailto:james.glenn@noaa.gov)

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

National Service Change Notices are online at:

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

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