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PNSWSH

Service Change Notice 22-77 Updated
National Weather Service Headquarters Silver Spring MD
350 PM EST Tue Jan 24 2023

To: Subscribers:
-NOAA Weather Wire Service (NWWS)
-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 in Early 2023

Updated to include C band satellite service information and transition dates.

The NWS was notified by its current satellite vendor of their intention to realign the NOAAPort/SBN/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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12 NOV 2022: G31 Launch Date
5 FEB 2023: Dual Illumination Period
10 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: 990 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: 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 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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