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PNSWSH

Service Change Notice 20-77 Updated
National Weather Service Headquarters Silver Spring MD
700 AM EDT Tue Sep 22 2020

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

From: David Michaud
 Director, NWS Office of Central Processing

Subject: Updated: NOAAPort/Satellite Broadcast Network(SBN)
 Channel Realignment and Re-prioritization effective
 September 22, 2020

Updated to September 28, 2020, due Critical Weather Day being in effect for Hurrince Teddy and Tropical Depression Beta

Effective on or after 1200 UTC on September 22, 2020, the NWS will take action to realign all of the dissemination channels on the NOAAPort/SBN satellite system to support new NWS mission directives and create a more efficient, reliable delivery process for new and future model products.

Beginning in mid-2016, the NWS NOAAPort/SBN began experiencing large latencies with delivery of SBN products to its field offices and external customers, resulting in negative impacts to field operations and forecast products delivered to NOAA/NWS users. Shortly thereafter, the NWS AWIPS Program Office (APO) established an internal engineering team to review all SBN-related product dissemination issue(s) and identify solutions for resolving the current latency issue and to also address future service requirements for the dissemination of new/future model products.

In early 2019, the APO NOAAPort/SBN Internal Engineering Team presented its results to NWS senior management and recommended a full realignment of all data channels for the SBN via the Galaxy 28 satellite. Approval was granted by NWS senior management to move forward with the proposal for realigning all channels of the SBN.

Below are tables of the current SBN channel alignment and the new, recommended changes for the SBN.

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2020 SBN CURRENT Alignment
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Channel                Pri   Bandwidth   Port PID
=====
NMC                    0    20   Mbps     1201 101
GOES                   1    3.5 Mbps     1202 102
GRW / GOES-S West     2    15   Mbps     1209 107
GRE / GOES-R East     3    15   Mbps     1210 108
ADD / Data Delivery   4     6   Mbps     1206 151
ENC / Encrypted       5     2   Mbps     1207 150
NMC2                   6    35   Mbps     1203 103
NOAAPORT_OPT          7     5   Mbps     1204 104
NMC3 / Polar          8     6   Mbps     1205 105
EXP / Experimental    9    10   Mbps     1208 106
NWWS                   N/A  750   Kbps     1201 201
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2020 SBN NEW Alignment
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Channel                Pri   Bandwidth   Port PID
=====
NMC                    0    20   Mbps     1201 101
GOES                   1    3.5 Mbps     1202 102
GRW / GOES-17 (West)  2    15   Mbps     1209 107
GRE / GOES-16 (East)  3    15   Mbps     1210 108
ADD (NBM)              4    15   Mbps     1206 151
NMC2                   5    40   Mbps     1203 103
NOAAPORT_OPT          6     2   Mbps     1204 104
NMC3 / Polar          7     6   Mbps     1205 105
EXP                    8    10   Mbps     1208 106
ENC / Encrypted       9     0   Mbps     1207 150
NWWS                   N/A  750   Kbps     1201 201
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The APO NOAAPort/SBN Internal Engineering Team will be working closely with AWIPS/Raytheon to establish a transition plan to mitigate any expected service interruptions and minimize any impacts to data flow for users.

The AWIPS Program Office will provide updates for this SCN via updates as additional information and changes become available. For questions pertaining to this change or upcoming plans for

the removal of GOES products, please contact:

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National Service Change Notices are online at:
<https://www.weather.gov/notification/>

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