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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, Users and Employees

From: David Michaud
 Director, NWS Office of Central Processing

Subject: Updated: NOAAPort/Satellite Broadcast Network (SBN) Channel
Realignment and Re-prioritization: Effective September 28, 2020

Updated effective date to September 28, 2020 due to a Critical Weather Day
being in effect for Hurricane Teddy and Tropical Depression Beta.

Effective on or after 1200 Coordinated Universal Time (UTC) on September
28, 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 customers. Shortly thereafter, the NWS
Advanced Weather Interactive Processing System (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, but 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
their 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

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 all customers.

The AWIPS Program Office will provide updates for this Service Change Notice (SCN) via updates as additional information and changes become available.

For questions pertaining to this notice, please contact:

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National Service Change Notices are online at:

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

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