

NOUS41 KWBC 241505
PNSWSH

Service Change Notice 20-77
National Weather Service Headquarters Silver Spring, MD
1005 AM EDT Mon Aug 24 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: NOAAPort/Satellite Broadcast Network (SBN) Channel
 Realignment and Re-prioritization effective
 September 22, 2020

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 customers. 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, 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 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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