

NOUS41 KWBC 011315
PNSWSH

Service Change Notice 25-59
National Weather Service Headquarters Silver Spring MD
915 AM EDT Fri Aug 1 2025

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

From: Timothy Greten
 Director, NWS Office of Central Processing

Subject: Change to NOAAPort / Satellite Broadcast Network (SBN) Channel
Alignment: Effective August 19, 2025

The NWS has studied the existing NOAAPort/SBN/NWWS channel alignment, bandwidth usage, prioritization, and delay times. This study identified that reorganizing the data on the various channels would improve the timeliness of distributed products. The changes were divided into three phases.

The previous two changes were implemented:

Phase 1: migrating all grib, grib2, and bufr formatted data from the NMC channel to the NMC2 channel per this SCN:
https://www.weather.gov/media/notification/pdf/2023_24/scn24-54_channel_realignment_to_SBN_aaf.pdf

Phase 2: placing Canadian Radar data on the SBN per this SCN:
https://www.weather.gov/media/notification/pdf/2023_24/scn24-100_channel_realignment_to_SBN_2.pdf

The final change, phase 3, will realign some of the SBN channels and the data on them:

- 1) Move the priority of channel EXP up to #1 (2nd Highest)
See the table farther below for the changes to the channels
- 2) Move all Radar related data on the SBN to the EXP channel.
This includes the following on the NMC channel:
WSR88D/TDWR Radar:
NXUS6[1-6] K* NXUS6[0789] P*
SDUS2[1-6] K* SDUS2[1-6] P* SDUS2[0789] P*
SDUS3[1-6] K* SDUS3[1-6] P* SDUS3[0789] P*
SDUS5[1-6] K* SDUS5[1-6] P* SDUS5[0789] P*
SDUS6[1-6] K* SDUS6[1-6] P* SDUS6[0789] P*
SDUS7[1-6] K* SDUS7[1-6] P* SDUS7[0789] P*
SDUS8[1-6] K* SDUS8[1-6] P* SDUS8[0789] P*

Canadian Radar:

SDCN01 CWA0

Caribbean Radar:
PAHM44 *

3) MRMS data on the NMC2 channel to the EXP Channel

CONUS:

YAUC01 KWRN YAUE01 KWRN YAUE04 KWRN YAUE06 KWRN YAUE09 KWRN
YAUE10 KWRN YAUF01 KWRN YAUP01 KWRN YAUP02 KWRN YAUP03 KWRN
YAUP04 KWRN YAUP06 KWRN YAUQ01 KWRN YAUS04 KWRN YAUS06 KWRN
YAUS09 KWRN YAUS10 KWRN YAUS11 KWRN YAUS15 KWRN YAUS16 KWRN
YAUS22 KWRN

ALASKA:

YAAC01 KWRN YAAP02 KWRN YAAP03 KWRN YAAP04 KWRN YAAP06 KWRN

HAWAII:

YAHP02 KWRN YAHP03 KWRN YAHP04 KWRN YAHP06 KWRN

4) Probabilistic Storm Surge (P-Surge) data on the NMC2 channel to the NMC Channel:

YA[B-P][A-F][0-2][0-9] KWEV
YC[A-K][A-F][0-2][0-9] KWEV
YD[A-K][A-F][0-2][0-9] KWEV
YE[A-E,I][A-F][0-2][0-9] KWEV
YG[A-E,I][A-F][0-2][0-9] KWEV
YH[A-E,I][A-F][0-2][0-9] KWEV

5) Move all data previously on EXP and GOES channels to NMC3

IXTA89 KNES IXTA99 KNES IXTB89 KNES IXTB99 KNES IXTC89 KNES
IXTC99 KNES IXTD89 KNES IXTD99 KNES IXTF89 KNES IXTF99 KNES
IXTG89 KNES IXTG99 KNES IXTH89 KNES IXTH99 KNES IXTI89 KNES
IXTI99 KNES IXTJ89 KNES IXTJ99 KNES IXTK89 KNES IXTK99 KNES
IXTL89 KNES IXTL99 KNES IXTM89 KNES IXTM99 KNES IXTN89 KNES
IXTN99 KNES IXTO89 KNES IXTO99 KNES IXTP89 KNES IXTP99 KNES
IXTQ89 KNES IXTQ99 KNES IXTR89 KNES IXTR99 KNES IXTT89 KNES
IXTT99 KNES IXTU89 KNES IXTW01 KNES IXTW81 KNES IXTX01 KNES
IXTX81 KNES IXTY01 KNES IXTY81 KNES

6) Lower the priority of the GOES channel and reallocate the bandwidth to the EXP / Radar channel

Migration of this data requires changing the bandwidth available for a few channels. The table below summarizes the changes to channel priority and bandwidth. This information can also be found on the NOAAPort page: (<https://www.weather.gov/noaaport/>)

Current:

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Channel      | Pri | Bandwidth | Port | PID
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NMC          | 0   | 20 Mbps   | 1201 | 101
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GOES		1		3.5 Mbps		1202		102
GRW		2		15 Mbps		1209		107
GRE		3		15 Mbps		1210		108
ADD (NBM)		4		30 Mbps		1206		151
NMC2		5		30 Mbps		1203		103
NOAAPORT_OPT		6		2 Mbps		1204		104
NMC3		7		6 Mbps		1205		105
EXP		8		10 Mbps		1208		106
ENC		9		0 Mbps		1207		150
NWWS		N/A		750 Kbps		1201		201

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New:

Channel		Pri		Bandwidth		Port		PID
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NMC		0		15 Mbps		1201		101
EXP (RDR)		1		35 Mbps		1208		106
GRW		2		15 Mbps		1209		107
GRE		3		15 Mbps		1210		108
ADD (NBM)		4		30 Mbps		1206		151
NMC2		5		30 Mbps		1203		103
NOAAPORT_OPT		6		5 Mbps		1204		104
NMC3		7		10 Mbps		1205		105
ENC		8		0 Mbps		1207		150
GOES		9		0 Mbps		1202		102
NWWS		N/A		750 Kbps		1201		201

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This data is expected to move on or about 1400 Coordinated Universal Time (UTC) August 19, 2025. If a Critical Weather Day has been issued, this change will be postponed until 1400 UTC on the next non-Critical Weather Day.

No change is expected to the data feed at the receiver. If no issues are experienced, the configuration will remain in place. If any issues are identified, the changes will be evaluated, and a new implementation date will be determined.

We 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:

Paul Kirkwood
 NOAA/NWS Southern Region Headquarters
 Email: paul.kirkwood@noaa.gov

Andy Just
 NOAA/NWS Office of Central Processing
 Email: andy.just@noaa.gov

James Glenn

NOAA/NWS Office of Central Processing
Email: james.glenn@noaa.gov

National Service Change Notices are online at:

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

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