NOUS41 KWBC 221900 AAA
PNSWSH

Service Change Notice 25-59 Updated
National Weather Service Headquarters Silver Spring MD
300 PM EDT Fri Aug 22 2025

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

From: Timothy Greten
Director, NWS Office of Central Processing

Subject: Updated: Change to NOAAPort / Satellite Broadcast Network (SBN) Channel Alignment effective immediately

Effective immediately, this notice was updated to include a change to keep the WSR88D/TDWR radar data on the NMC channel which includes the following WMO headers:
NXUS6[1-6] K* NXUS6[0789] P* NXUS6[0-9] T*
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*
SDUS[0-9][0-9] T*

Previous SCN content issued Aug 1, 2025, also available here:
https://www.weather.gov/media/notification/pdf_2025/scn25-59_channel_realignment_to_SBN_no3.pdf

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 some 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* NXUS6[0-9] T*
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*
SDUS[0-9][0-9] T*

Canadian Radar:
SDCN01 CWAO

Caribbean Radar:
PAHM44 *

3) MRMS data on the NMC2 channel to the EXP Channel
CONUS:
YAUC01 KWNR YAUE01 KWNR YAUE04 KWNR YAUE06 KWNR YAUE09 KWNR
YAUE10 KWNR YAUF01 KWNR YAUP01 KWNR YAUP02 KWNR YAUP03 KWNR
YAUP04 KWNR YAUP06 KWNR YAUQ01 KWNR YAUS04 KWNR YAUS06 KWNR
YAUS09 KWNR YAUS10 KWNR YAUS11 KWNR YAUS15 KWNR YAUS16 KWNR
YAUS22 KWNR

ALASKA:
YAAC01 KWNR YAAP02 KWNR YAAP03 KWNR YAAP04 KWNR YAAP06 KWNR

HAWAII:
YAHP02 KWNR YAHP03 KWNR YAHP04 KWNR YAHP06 KWNR

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:

Channel	Pri	Bandwidth	Port	PID
NMC	0	20 Mbps	1201	101
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

New:

Channel	Pri	Bandwidth	Port	PID
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

This data is expected to move on or about 1400 Coordinated Universal Time (UTC) August 22, 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:

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National Service Change Notices are online at:

https://www.weather.gov/notification

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