

3 February 2010 Update
Addition of WSR-88D Higher-Resolution Products to NOAAPORT and RPCCDS

In preparation for the implementation of TIN 09-041 on February 9, 2010, testing at the Norman, Oklahoma NWS Weather Forecast Office (WFO) began on January 27, 2010. Currently, the two lowest elevation angles of the higher resolution base reflectivity and base velocity are being distributed via NOAAPORT and RPCCDS from 3 radars: KTLX, KVNK, and KFDR. Unless problems are observed in the next several days, the plan is to implement distribution of this subset of products from the remainder of the WFOs according to the following schedule.

<u>NWS Region</u>	<u>Phase 1 Schedule (week of date)</u>	<u>No. of Radars (WFO's)</u>	
Central	February 9	41	(38)
Western	February 16	30	(24)
Alaska	February 22	7	(4)
Southern	March 2	47	(32)
Eastern	March 9	25	(23)
Pacific	tbd (depends on T1 install)	5	(2)

The objectives of this schedule are to:

- a) Spread out the increase in communications utilization,
- b) Implement at sites after the WFO transitions to NOAAnet for AWIPS WAN communications, and
- c) Augment the communications link to Pacific Region before implementing that region.

Note: Unexpected delays in WFO transition to NOAAnet could delay implementation at individual WFOs.

Depending on weather and radar volume coverage pattern (VCP), Phase 1 will add up to 9 kilobits/second (kbps) per WSR-88D radar (current hourly max is 21 kbps) and up to 740 kbps to NOAAport and RPCCDS throughput (current hourly max is 2300 kbps).

Implementation of phase 2 is scheduled to begin the week of March 30, 2010 and will add the remainder of the products described in TIN 09-041. Testing will begin at site (tbd) during the week of March 16. Unless problems are observed, we plan to implement distribution from the remainder of the WFOs according to the following schedule.

<u>NWS Region</u>	<u>Phase 2 Schedule (week of date)</u>
Central	March 30
Western	April 6
Alaska	April 13
Southern	April 20
Eastern	April 27
Pacific	tbd (depends on T1 install)

Depending on weather and radar VCP, Phase 2 will add up to 20 kbps more per WSR-88D radar (future hourly max up to 48 kbps) and will add up to an additional 1640 kbps to NOAAport and RPCCDS throughput (future hourly max is 4000 kbps).

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