

18 March 2010 Update for TIN 09-041
Addition of WSR-88D Higher-Resolution Products to NOAAPORT and RPCCDS

Phase 1 distribution is complete for 153 of 155 radars. The last Eastern Region site (AKQ) is expected to be implemented within a week. Phase 1 products were to include the two lowest elevation angles of the higher resolution base reflectivity and velocity products. However, a software issue was encountered and the workaround was to redefine Phase 1 to include elevations through 1.5 degrees (i.e., three elevations of these products will be collected in VCP 12 and 212).

| NWS Region | Phase 1 Schedule (week of date) | No. of Radars (WFO's) |
|------------|---------------------------------|-----------------------|
| Central | February 16 done | 41 (38) |
| Western | February 22 done | 30 (24) |
| Alaska | February 22 done | 7 (4) |
| Southern | March 2 done | 47 (32) |
| Eastern | March 9 done | 25 (23) |
| Pacific | March 16 done | 5 (2) |

The objectives of this schedule are to:

- Spread out the increase in communications utilization,
- Implement at sites after the WFO transitions to NOAAnet for AWIPS WAN communications, and
- 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 11 kilo-bits/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. **Phase 2 testing began on 3/17 at the following sites: LMK (for the KLVX radar), JKL (for the KJKL radar), RLX (for the KRLX radar), RNK (for the KFCX radar), MRX (for the KMRX radar) and OHX (for the KOHX radar).** 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 and Southern | March 30 |
| Western | April 6 |
| Alaska and Pacific | April 13 |
| Eastern | April 20 |

Depending on weather and radar VCP, Phase 2 will add up to 16 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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