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Technical Implementation Notice 14-42  
National Weather Service Headquarters Washington DC  
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From: Terrance J. Clark  
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Subject: WSR-88D Software Build 16 Changes to be tested and  
deployed in early 2015

In early 2015, the NEXRAD Program will conduct the Beta Test and deployment of the Radar Data Acquisition/Radar Product Generator (RDA/RPG) Build 16.0 software and hardware upgrade. The Beta Test period is tentatively scheduled to begin in March 2015 with full deployment beginning in May 2015. The content impacting external users includes:

1. The central collection of dual polarization elevation products for the Supplemental Adaptive Intra-volume Low-Level Scan (SAILS). The products will include N0X(159/DZD), N0C(161/DCC), N0K(163/DKD), N0H(165/DHC), and N0M(166/ML).
2. A new message will be added in the RPG system status log relating to when the performance check is commanded from the RPG and when the check completes.
3. Coherency Based Thresholding (CBT) and Radial-by-Radial Noise (RxRN) status will be added to the General Status Message (GSM). When CBT and RxRN are enabled by the site, bits 11 (CBT) and 12 (RxRN) in the VCP Supplemental Data will be set.

Build 16.0 Draft Interface Control Documents (ICDs) will be available on the New Radar Technologies website in late 2014:

<http://www.roc.noaa.gov/WSR88D/NewRadarTechnology/NewTechDefault.aspx>

For more information, visit the Radar Operations Center website:

<http://www.roc.noaa.gov/wsr88d>

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National Technical Implementation Notices are online at:

<http://www.weather.gov/os/notif.htm>

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