

AWIPS II Topic of the Week -- Ensuring Software Quality

All,

We say we want to focus on Software Quality for AWIPS II, but what are we doing about it? First of all, ensuring a high quality product will be a community effort -- Raytheon, Regions, Forecasters, and all the HQ offices will need to be working together. We have a good start toward a high quality product with the Raytheon team who have impressed all of us looking at the code with their expertise. But that is not enough. We in the NWS will need to conduct rigorous testing of the system as it is delivered. Between now and the Task Order 11 delivery, we need to evaluate the functions already delivered with a detailed focus on the infrastructure needed to support local applications and configurations. We are doing so with the National Core Local Application Development Team, with the User Functional Evaluations (UFE) in which all offices can (and should) participate, with the Forecaster Initial Testing (FIT) events we are planning and with the Independent Verification and Validation being done by our development organizations. We have started our Task Order 11 test planning and have distributed a draft test plan for comment. OCWWS is reviewing our current AWIPS I test suite so we can be certain we have suitable test procedures to evaluate the delivery. In addition, we anticipate one of the FIT outputs to be additional test scenarios. The final phase of testing will be the OOS led OT&E. A plan for this testing is also in circulation, so please provide comments. Working together, we can ensure AWIPS II will be the high quality product we all want it to be.

For copies of test plans see the ATI web site at

<http://www.nws.noaa.gov/ost/SEC/AE/index.htm>

Thanks

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