



U.S. ELECTION ASSISTANCE COMMISSION

Voting System Testing and Certification Program

1335 East West Highway, Suite 4300

Silver Spring, MD. 20910

Notice of Clarification

NOC 16-01: Test Readiness Review

Issued by Program Director, April/06/2016

Section of Certification Manual(s) to Be Clarified:

Voting System Test Laboratory Program (VSTL) Manual, Version 2.0

2.11. Test Readiness Review. The Test Readiness Review (TRR) is the mechanism used by the EAC to ensure that test and evaluation resources are not committed to a voting system that is not ready for testing by a VSTL. The TRR determines if the submitted voting system and documentation are ready to enter certification testing. The TRR shall be completed by the VSTL and the subsequent Test Readiness Acknowledgement must be received by the EAC prior to the initiation of any certification testing. The TRR applies for applications to test full systems and modifications.

To assess the readiness of a voting system for certification testing, the VSTL shall review:

- **System Technical Data Package (TDP):** The voting system technical data package shall be reviewed to ensure all elements required by the VVSG are present.
- **System Components:** The VSTL shall review the submitted voting system to ensure all components required to configure the voting system as defined in the system TDP are delivered to the VSTL and appear to be operational and in good working order. System Component information should match the Manufacturer's application submitted to the EAC. All components submitted for testing must be equivalent to the final production model of the voting system in fit, form and function. Any component not available at the time of this review shall be delivered to the VSTL by the voting system manufacturer within 30 days of the initial TRR, or testing of the system will be halted and the EAC notified that the system is not ready for testing.
- **Preliminary Source Code Review:** The VSTL shall conduct a preliminary review of no less than 1% of the total lines of code (LOC) of every software package, module or product submitted for testing in order to ensure that

the code is mature and does not contain any systematic non-conformities.

- **Mark Reading: The system shall be able to read a fully filled mark if it is an optical scan system.**
- Summary of COTS components. This summary should outline which components of the voting system are COTS products and shall be updated with each test campaign.

Testing & Certification Program (Cert) Manual, Version 2.0

4.5. Test Readiness Review. The Test Readiness Review (TRR) is the mechanism used by the EAC to ensure that test and evaluation resources are not committed to a voting system that is not ready for testing by a VSTL. The TRR determines if the submitted voting system and documentation are ready to enter certification testing. The TRR shall be completed by the VSTL and the subsequent Test Readiness Acknowledgement must be received by the EAC prior to the initiation of any certification testing.

Purpose:

The Test Readiness Review (TRR) is used by EAC to ensure voting systems applying for certification are ready to begin the campaign when they submit an application for testing to the EAC.

Clarification:

The initial practical application of the TRR process has lead the EAC to conclude that one item needs to be modified in the TRR in order to achieve the stated purpose of this program requirement. In order to be truly ready for testing, a voting system must be able to do substantially more than simply read a fully filled square or oval for optical scan systems.

Conclusion:

Bullet point number 4 (Mark Reading), shall be **replaced** by the following:

- Limited System Integration test. The test will consist of:
 - General and Primary Election
 - Minimum of three contests Straight Party, Partisan, and Referendum. (If Straight Party not supported utilize Partisan, Non-Partisan, and Referendum)
 - Determine number of ballots (5-10) using at least one ballot for each peripheral
 - Include minimum of one ballot for Spanish & Ideographic Language.
 - All results shall be tabulated and verified
 - For this purposes of this section, the voting system manufacturer may provide the election definition to the VSTL.