



## U.S. ELECTION ASSISTANCE COMMISSION

Voting System Testing and Certification Program

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Silver Spring, MD. 20910

# Notice of Clarification

## NOC 15-01: Test Readiness Review

Issued by Program Director, 9/30/2015

### Section of Certification Manual 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 does not apply to 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 Voting System Test Laboratory Program Manual, Version 2.0 21 OMB Control Number: 3265-0018 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. 2.11.1. Test Readiness Notification. Upon completion of the TRR, the VSTL shall submit

## **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:**

There is a discrepancy between the VSTL manual and the Cert manual that requires clarification. The statement in question (“The TRR does not apply to modifications.”) is in the VSTL manual and was overlooked during the revision and editing of the manuals.

The TRR applies to applications to test full systems and modifications.

Additionally, if the application is for a system modification, the VSTL is responsible for reviewing **no less than 1% of code that has changed** in every software package, module or product.

### **Conclusion:**

This corrects a revision error in the VSTL manual and clarifies the process for source code review in a TRR.