**Test Assertions for VVSG 1.1, Volume 1, Section 8.1**

**September 23, 2016**

**Requirement 8.1**

**VVSG 1.1 Requirement 8.1a:**

Voting system manufacturers shall implement a quality assurance and configuration management program that is conformant with the recognized ISO standards in these areas:

1. ISO 9000:2005;
2. ISO 9001:2000; and
3. ISO 10007:2003.

**Test Assertions**

**TA81a-1:** Voting system manufacturers SHALL provide evidence of conformance to ISO 9000:2005 (Quality Management Systems – Fundamentals and Vocabulary) OR to newer version of ISO 9000.

**TA81a-1-1:** Evidence of conformance MAY be shown through a certificate from a third-party certification body.

**TA81a-1-2:** Evidence of conformance MAY be shown by producing an audit report from an authorizing body.

**TA81a-2:** Voting system manufacturers SHALL provide evidence of conformance to ISO 9001:2000 (Quality Management Systems – Requirements) OR to a newer version of ISO 9001.

**TA81a-2-1:** Evidence of conformance MAY be shown through a certificate from a third-party certification body.

**TA81a-2-2:** Evidence of conformance MAY be shown by producing an audit report from an authorizing body.

**TA81a-3:** Voting system manufacturers SHALL provide evidence of conformance to ISO 10007:2003 (Guidelines for Configuration Management) OR to a newer version of ISO 10007.

**TA81a-3-1:** Evidence of conformance MAY be shown through a certificate from a third-party certification body.

**TA81a-3-2:** Evidence of conformance MAY be shown by producing an audit report from an authorizing body.