**Test Assertions for VVSG 1.1, Volume 1, Section 7.8.1**

**September 23, 2016**

**VVSG 1.1, Vol 1, Requirement 7.8.1:** **Display and Print a Paper Record**

1. VVPAT voting systems shall provide capabilities for the voter to review a paper record of ballot selections and a summary of the voter’s electronic ballot selections prior to casting a ballot.
2. VVPAT voting systems shall create a paper record that election officials can use to reconstruct the full set of totals from the election.
3. Each paper record shall contain a human-readable summary of the electronic ballot image record. In addition, all paper records shall contain audit-related information including:
4. Machine ID;
5. Reporting context, such as precinct or election district;
6. Ballot style;
7. Date of election or date record printed; and
8. Complete summary of voter’s choices.

**Test Assertions**

**TA781a-1:** VVPAT voting systems SHALL provide capabilities for the voter to review a paper record of ballot selections.

**TA781a-1-1:** One capability for the voter to review a paper record MAY be printing the paper record for review by the voter.

**TA781a-2:** VVPAT voting systems SHALL provide capabilities for the voter to review a summary of the voter’s electronic ballot selections.

**TA781a-2-1:** One capability for the voter to review a paper record MAY be printing the summary of the voter’s electronic ballot selections.

**TA781a-3:** The capabilities for review, described above, SHALL allow this review to take place prior to casting a ballot.

**TA781b-1:** VVPAT voting systems SHALL create a paper record of the voter ballot selections.

**TA781b-1-1:** The paper record SHALL be capable of being used, by election officials, to reconstruct the full set of totals from the election.

**TA781c-1:** Each paper record SHALL contain a human-readable summary of the electronic ballot image record.

**TA781c-2:** All paper records SHALL contain audit-related information including, but not limited to:

1. Machine ID;
2. Reporting context, such as precinct or election district;
3. Ballot style;
4. Date of election or date record printed; and
5. Complete summary of voter’s choices.