**DRAFT Test Assertions for VVSG 1.0 Section 7.2.1.1**

**August 24, 2015**

**Requirement 7.2.1.1**

**VVSG 1.0 Requirement 7.2.1.1:** Voting system vendors shall:

1. Identify each person to whom access is granted, and the specific functions and data to which each person holds authorized access
2. Specify whether an individual’s authorization is limited to a specific time, time interval or phase of the voting or counting operations
3. Permit the voter to cast a ballot expeditiously, but preclude voter access to all aspects of the vote counting processes

**Test Assertions**

**TA7211a-1:** The voting system SHALL identify each person to whom access is granted.

**TA7211a-1-1:** The voting system SHALL identify the specific functions for each person.

**TA7211a-1-2:** The voting system SHALL identify the data to which each person holds authorized access.

**TA 7211a-1-3:** The voting system SHOULD identify each process to which access is granted.

**TA7211a-1-4:** The voting device SHOULD prevent a lower-privileged process from modifying a higher-privileged process.

**TA 7211b-1:** The voting system SHALL specify IF a person’s authorization is limited to EITHER: a) A specific time of the voting or counting operations; OR b) a time interval of the voting or counting operations; OR c) a phase of the voting or counting operations

**TA7211c-1:** The voting system SHALL allow a voter to cast a ballot promptly.

**TA7211c-2:** While casting the ballot promptly, the voting system SHALL preclude voters from accessing any aspect of the vote counting process THAT is not already made public.

**Operational Definitions**

**access control** – The process of granting or denying specific requests to: 1) obtain and use information and related information processing services; and 2) enter specific physical facilities (e.g., federal buildings, military establishments, border crossing entrances).

*(source: http://nvlpubs.nist.gov/nistpubs/ir/2013/NIST.IR.7298r2.pdf)*