

Next Generation VVSG Use Cases

9/7/2016

Overview

- 7 use cases
 - Represent steps in the election process
 - Based on priority themes discussed at Feb 2016 TGDC meeting
- Scope
 - Standard requirements vs. guidance
 - Complete use case vs. partial inclusion

Use Cases

1. Voter Registration (VR)
2. Electronic Pollbooks (EPB)
3. Ballot Delivery (BD)
4. Ballot on Demand (BoD)
5. Ballot Marking (BM)
6. Election Night Reporting (ENR)
7. Auditing (AUDIT)

1. Voter Registration (VR)

- **Purpose: Support reliable and accurate voter registration and identification**
- Scenarios:
 - Online voter registration
 - Paper registration forms
 - Management of voter records

2. Electronic Pollbooks (EPB)

- **Purpose: Check-in and manage voters during election**
- Scenarios:
 - Check-in voter
 - Activate blank ballot
 - Voter management
 - Connectivity: standalone vs. networked

3. Ballot Delivery (BD)

- **Purpose: Transfer ballot to voter and return voted ballot to EO**
- **Cases:**
 - Blank ballot delivery
 - Voted ballot return
- **Scenarios:**
 - Process type: absentee/remote vs. polling place
 - Ballot type: electronic vs. paper
- Tightly coupled with ballot on demand and ballot marking

4. Ballot on Demand (BoD)

- **Purpose: Create blank ballots or voted ballots as needed**
- **Cases:**
 - Blank ballot generation
 - Voted ballot generation
- **Scenarios:**
 - Process type: absentee/remote vs. polling place/vote center
 - Ballot type: electronic vs. paper
- **Tightly coupled with ballot delivery and ballot marking**
 - Does not include ballot transfer

5. Ballot Marking (BM)

- **Purpose: Make vote selections during voting process**
- Scenarios:
 - Polling place ballot marking
 - Remote ballot marking
 - Absentee
 - Pre-voting
- Tightly coupled with ballot delivery and ballot on demand

6. Election-Night Reporting (ENR)

- **Purpose: Report and display election results**
- **Scenarios:**
 - Display and receive election results via website
 - Distribute and receive results via downloadable file

7. Post-Election Auditing (AUDIT)

- **Purpose: Verify election outcomes and processes**
- Scenarios:
 - Full manual recount
 - Risk-limiting
 - e.g., single ballot, small-batch
 - Other types