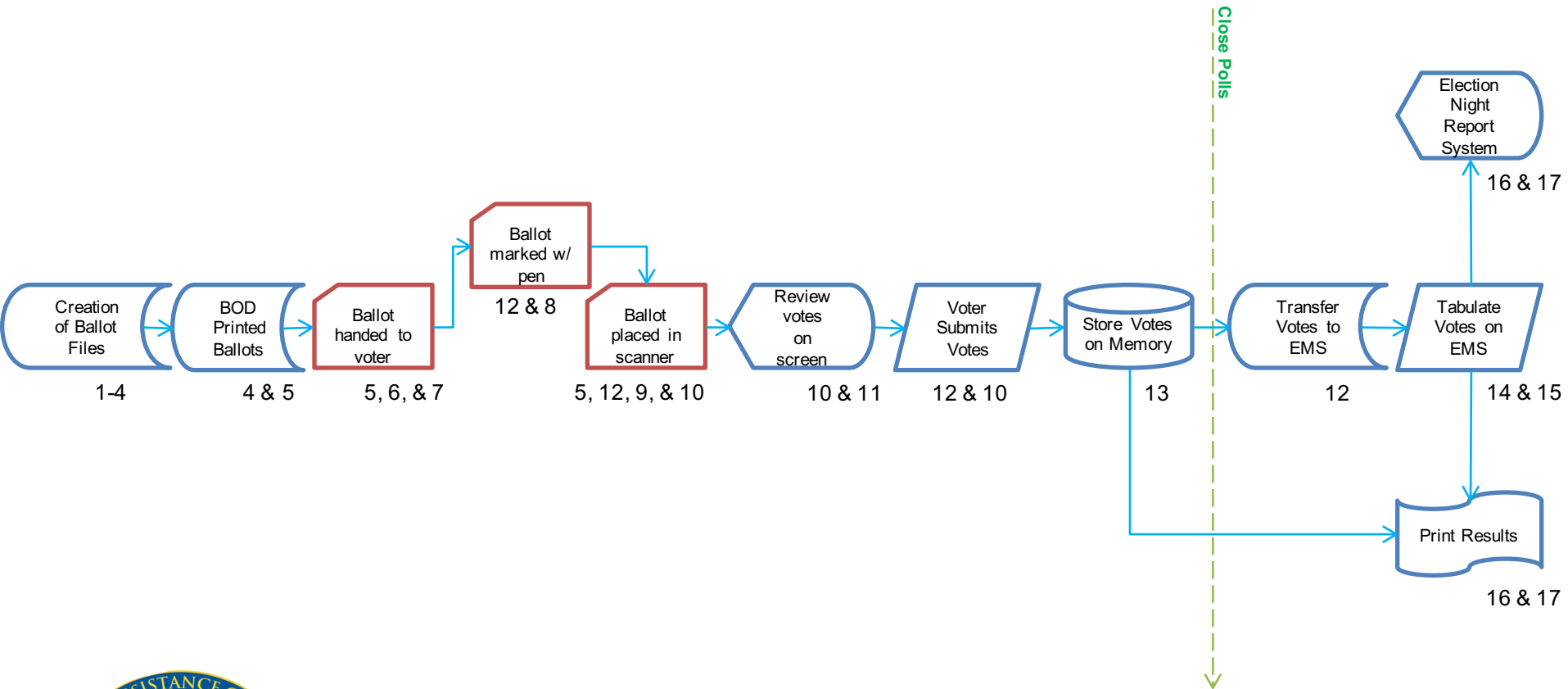# Intersection Between Function & Devices
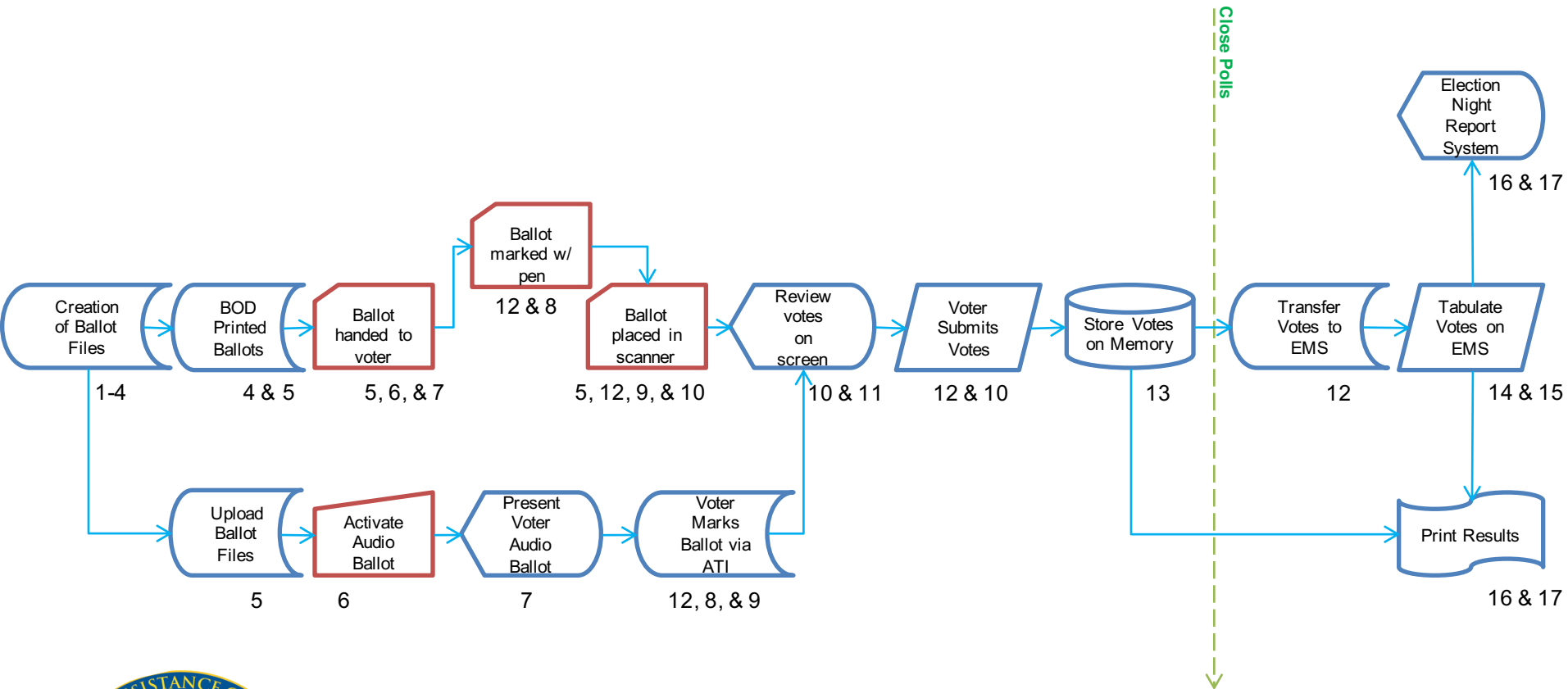
EAC Testing and Certification Program - 1335 East West Highway, Silver Spring, MD 20910
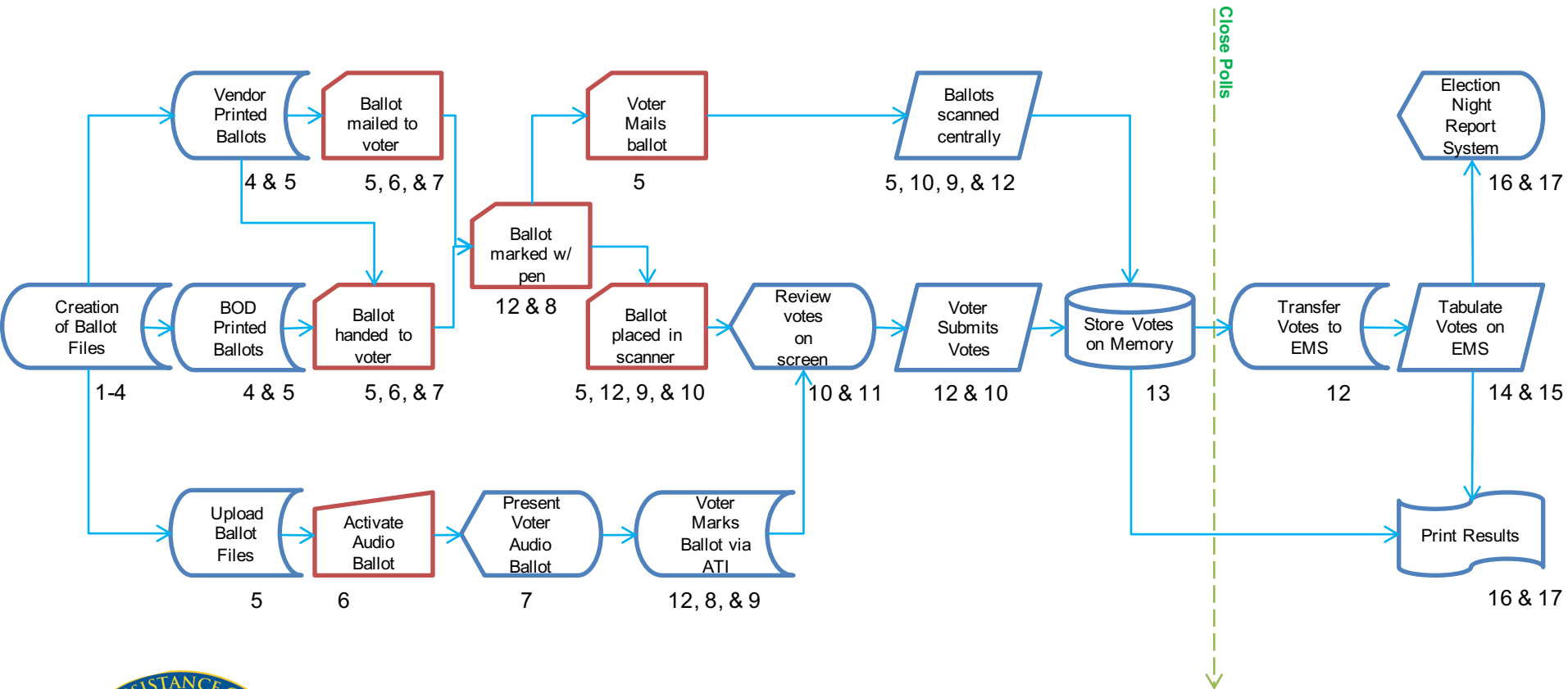
Polling Place Voting System Paper & Precinct Scan

Polling Place Voting System Paper, Precinct Scan, & DRE

Complete Voting System Paper, Scanners, & DRE

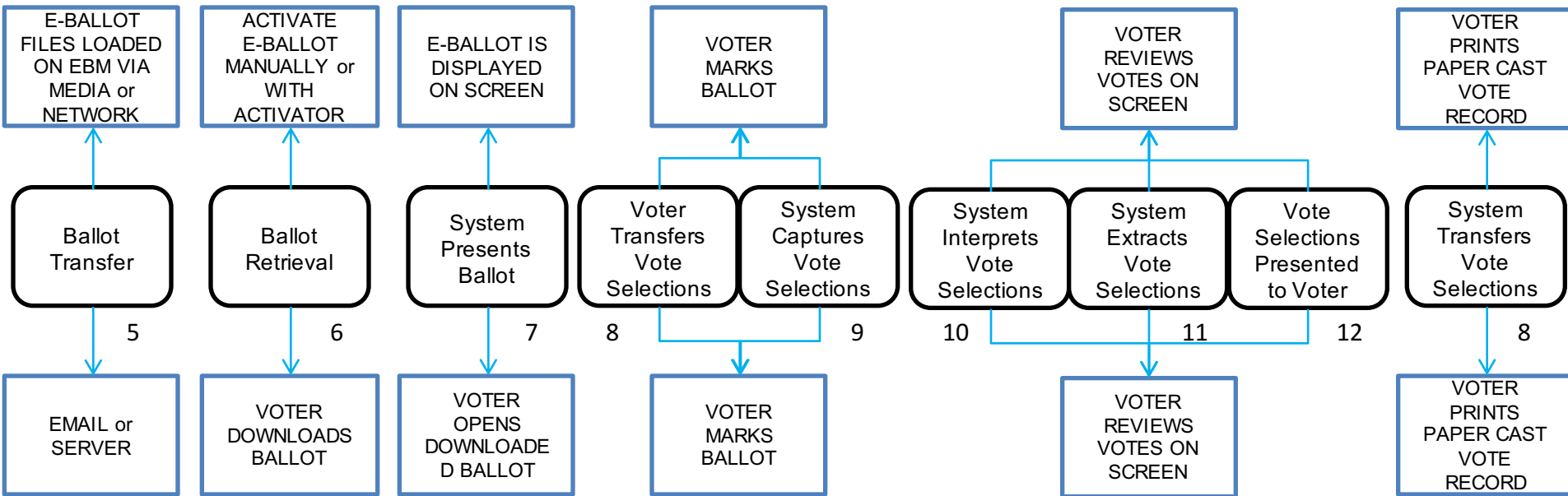# Use Case Example
Electronic Ballot Marker (EBM)

- Accessible Voting Station that produces an executed, human-readable paper ballot as a result, and that does not make any other lasting record of the voter's votes

Use Case Example
Electronic Ballot Marker (EBM)

EBM in Vote Location

| E-BALLOT FILES LOADED ON EBM VIA MEDIA or NETWORK | ACTIVATE E-BALLOT MANUALLY or WITH ACTIVATOR | E-BALLOT IS DISPLAYED ON SCREEN | VOTER MARKS BALLOT | | VOTER REVIEWS VOTES ON SCREEN | | VOTER PRINTS PAPER CAST VOTE RECORD |

| Ballot Transfer | Ballot Retrieval | System Presents Ballot | Voter Transfers Vote Selections | System Captures Vote Selections | System Interprets Vote Selections | System Extracts Vote Selections | Vote Selections Presented to Voter | System Transfers Vote Selections |

5   6   7   8   9   10   11   12   8

| EMAIL or SERVER | VOTER DOWNLOADS BALLOT | VOTER OPENS DOWNLOADED BALLOT | VOTER MARKS BALLOT | VOTER REVIEWS VOTES ON SCREEN | VOTER PRINTS PAPER CAST VOTE RECORD |

Remote EBM

Use Case Example
Election Management System

- Define political subdivisions and districts
- Identify candidates, contests, and issues
- Define ballot formats and voting options
- Generate ballots and election-specific programs
- Install ballots and election-specific programs
- Test that ballots and programs are installed properly
- Accumulate vote totals at multiple reporting levels
- Generate post-voting reports
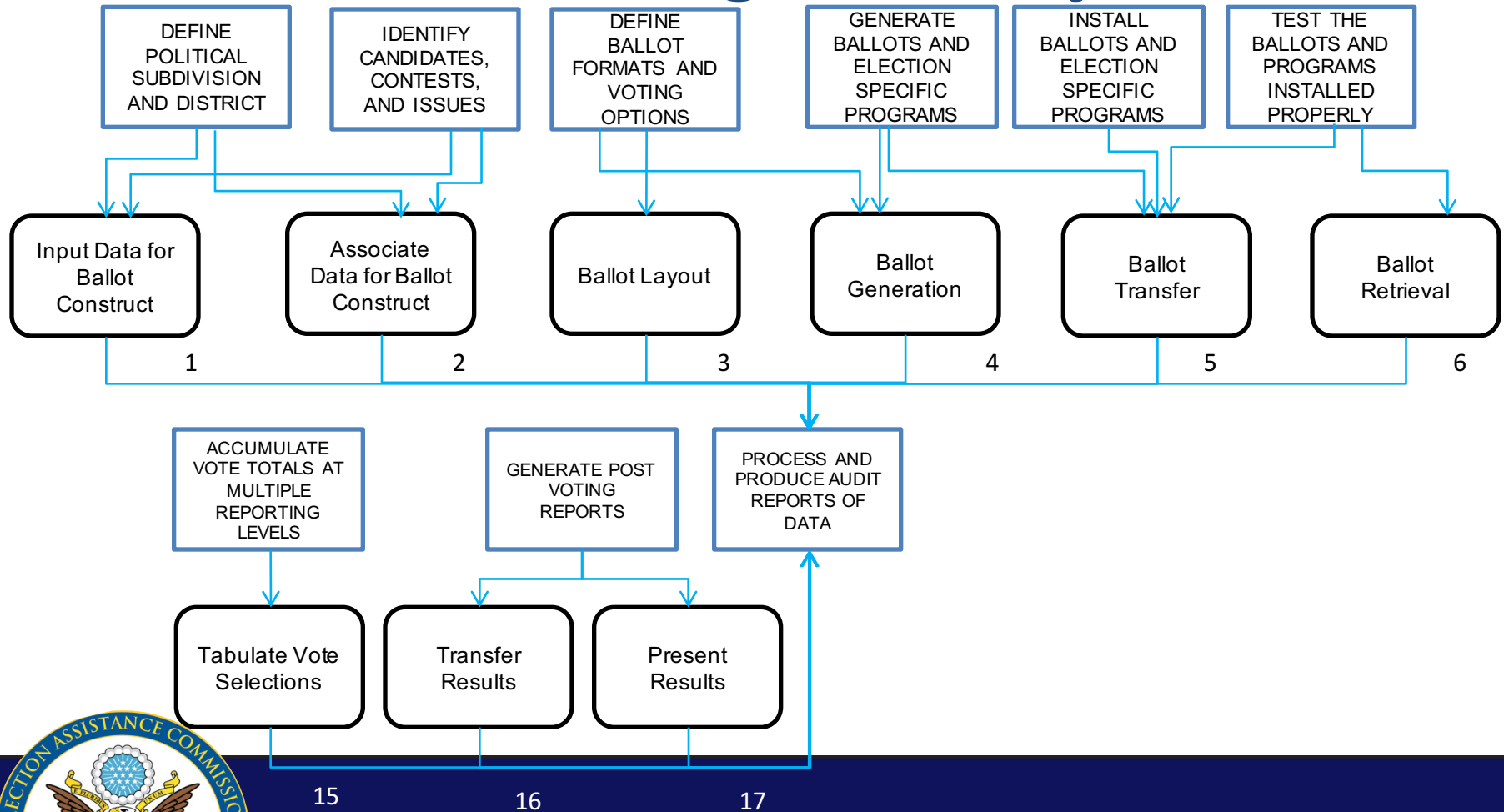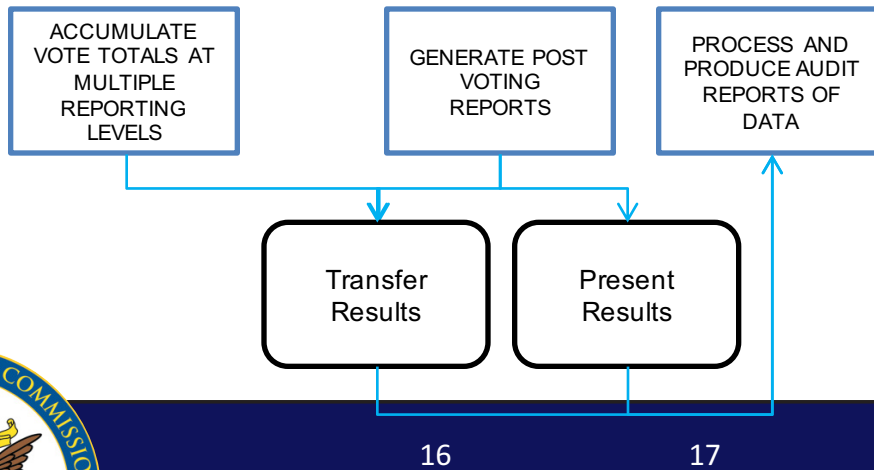- Process and produce audit reports of the data

Use Case Example
Election Management System

DEFINE POLITICAL SUBDIVISION AND DISTRICT	IDENTIFY CANDIDATES, CONTESTS, AND ISSUES	DEFINE BALLOT FORMATS AND VOTING OPTIONS	GENERATE BALLOTS AND ELECTION SPECIFIC PROGRAMS	INSTALL BALLOTS AND ELECTION SPECIFIC PROGRAMS	TEST THE BALLOTS AND PROGRAMS INSTALLED PROPERLY

Input Data for Ballot Construct	Associate Data for Ballot Construct	Ballot Layout	Ballot Generation	Ballot Transfer	Ballot Retrieval
1	2	3	4	5	6

ACCUMULATE VOTE TOTALS AT MULTIPLE REPORTING LEVELS	GENERATE POST VOTING REPORTS	PROCESS AND PRODUCE AUDIT REPORTS OF DATA

Tabulate Vote Selections	Transfer Results	Present Results
15	16	17

Use Case Example
Election Night Reporting System

ACCUMULATE VOTE TOTALS AT MULTIPLE REPORTING LEVELS

GENERATE POST VOTING REPORTS

PROCESS AND PRODUCE AUDIT REPORTS OF DATA

Transfer Results

Present Results

16   17

Questions

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