VOTING SOLUTIONS FOR ALL PEOPLE

SECURITY COMPARISON

BMD
Ballot Marking Device

VS

DRE
Direct-Recording Electronic

The key security feature of a BMD compared to a DRE is that it produces a human readable paper ballot

PAPER BALLOT	ELECTRONIC BALLOT
Human readable for voter verification, auditing, and recounts	Intangible record of voter intent that cannot be easily verified by the voter
Supports end-to-end auditability from paper ballot to tallied cast vote record	Limited ability to audit that ballots were counted as cast
Tallied centrally in a secure facility on an independent vote tabulation system	Tally on local device poses security risks
Ballot not stored electronically on device; clear chain of custody	Ballot stored electronically on device; increased risk in data transfer
Cannot be altered without detection	Can be difficult to detect altered ballots and tallies