



United States Election Assistance Commission

Certificate of Conformance

MicroVote EMS Version 4.0

MicroVote General Corporation



The voting system identified on this certificate has been evaluated at an accredited voting system testing laboratory for conformance to the *2005 Voluntary Voting System Guidelines Version 1.0*. Components evaluated for this certification are detailed in the attached Scope of Certification document. This certificate applies only to the specific version and release of the product in its evaluated configuration. The evaluation has been verified by the EAC in accordance with the provisions of the *EAC Voting System Testing and Certification Program Manual* and the conclusions of the testing laboratory in the test report are consistent with the evidence adduced. This certificate is not an endorsement of the product by any agency of the U.S. Government and no warranty of the product is either expressed or implied.

Product Name: Election Management System (EMS)

Model or Version: Version 4.0

Name of VSTL: iBeta Quality Assurance

EAC Certification Number: MVTEMS4

Date Issued: February 6, 2009

Executive Director, U.S. Election Assistance Commission

Scope of Certification Attached



Scope of Certification

Manufacturer: **MicroVote General Corporation** *Product:* **Election Management System Release 4.0**

VSTL: **iBeta Quality Assurance** *Certification #:* **MVTEMS4** *Standard:* **VVSG 2005**

Date: **02/06/2009**

Significance of EAC Certification

An EAC certification is an official recognition that a voting system (in a specific configuration or configurations) has been tested to and has met an identified set of Federal voting system standards. An EAC certification is **not**:

- An endorsement of a Manufacturer, voting system, or any of the system's components.
- A Federal warranty of the voting system or any of its components.
- A determination that a voting system, when fielded, will be operated in a manner that meets all HAVA requirements.
- A substitute for State or local certification and testing.
- A determination that the system is ready for use in an election.
- A determination that any particular component of a certified system is itself certified for use outside the certified configuration.

Representation of EAC Certification

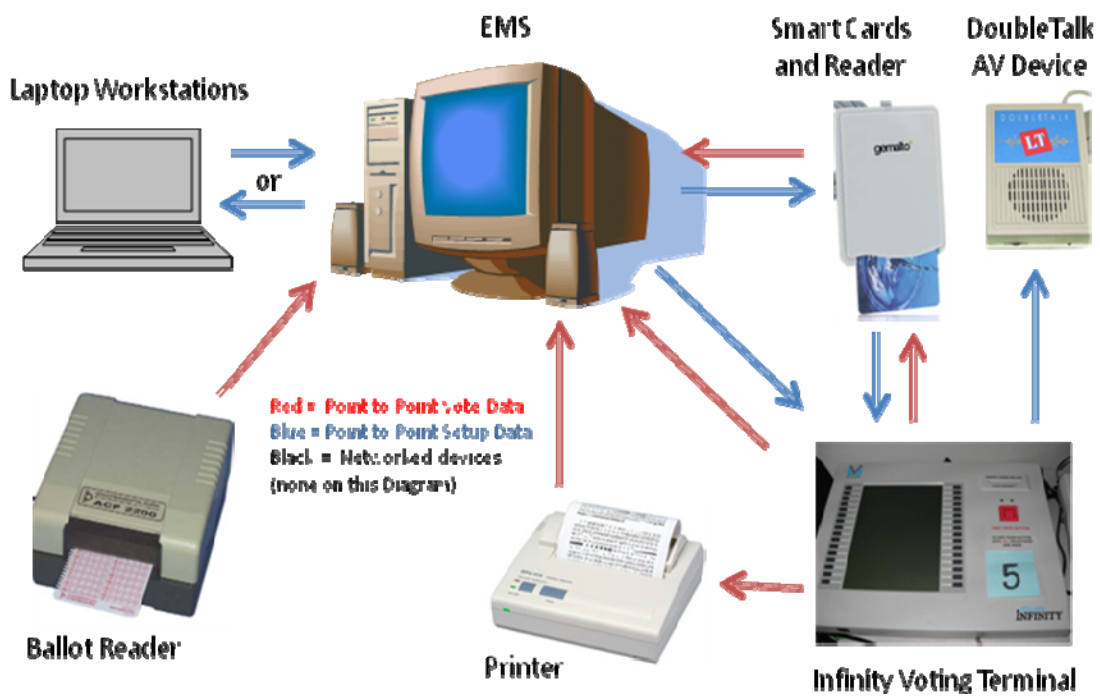
Manufacturers may not represent or imply that a voting system is certified unless it has received a Certificate of Conformance for that system. Statements regarding EAC certification in brochures, on Web sites, on displays, and in advertising/sales literature must be made solely in reference to specific systems. Any action by a Manufacturer to suggest EAC endorsement of its product or organization is strictly prohibited and may result in a Manufacturer's suspension or other action pursuant to Federal civil and criminal law.

Language capability:

In addition to English, the voting system has the capability of presenting the ballot, ballot selections, review screens and instructions in Spanish.

Components Included:

This section provides information describing the components and revision level of the primary components included in this Validation.



Following are the only configurations of the voting system’s components that may be represented as certified by the EAC. Any modifications to the system not authorized by the EAC shall void this certification.

	<i>Software or Firmware Revision</i>	<i>Hardware Revision</i>	<i>Evaluated Operating System or COTS</i>	<i>Not Evaluated Operating System</i>
EMS S/W MicroVote	V4.0. 4.0.21.0	Not applicable	Not applicable	Not applicable
EMS Server Dell Desktop	COTS MS SQL 2000	COTS Model DHM	XP Profession SP2	None
Laptop(s) Dell	Not applicable	COTS Model PP17L	XP Profession SP2	None
Infinity Model VP 1 Voting Panel	V4.0 Build 9. 68	Rev C	Not applicable	Not applicable
Scanner Dual Sided Chatsworth ACP 2200	COTS	COTS Model 605000-190	Not applicable	Not applicable
Printer Seiko	COTS	COTS Model DPU-414 or DPU-3445	Not applicable	Not applicable
Doubletalk Model LT3	BIOS0212	V1.0 LT RC8650	Not applicable	Not applicable
Smartcard Reader Gemplus	COTS	COTS	Not applicable	Not applicable
Smart Cards	Not applicable	COTS	Not applicable	Not applicable
Voting Booth model 2000	Not applicable	Not applicable	Not applicable	Not applicable

System Limitations

This table depicts the limits of the system has currently been exercised and the vendor calculated design limits.

Characteristic	Limiting Component	Evaluated	EMS	Infinity	ACP 2200
Maximum Ballot Positions	Ballot Design Form	150	600	600	402
Maximum Precincts in Election	Precinct Number	559	9,999	9,999	9,999
Maximum Contests in Election	Contests in Ballot Style * Ballot Styles/Election	100	300,000	2,999,700	2,009,799
Maximum Candidates/Counters in Election	Precinct Counters * Total Precincts	300	5,989,401	5,989,401	4,019,598
Maximum Candidates/Counters in Precinct	Ballot Design Form	125	599	599	402
Maximum Candidates/Counters in Activation	Ballot Design Form	125	599	599	402
Maximum Ballot Styles in Election	Ballot Style Number	270	1000	9999	1000
Maximum Contests in a Ballot Style	Ballot Design Form	50	300	300	201
Maximum Candidates in a Contest	Ballot Design Form	68	599	699	401
Maximum Count for any Precinct Element	Transact-SQL Bigint	600	Note 1	65,000	Note 1
Maximum Ballot Styles in a Precinct	Precinct Style Assignment Form	1	1	1	1
Maximum Activations per Ballot Style	Build Activations Form	15	99	30	99
Maximum Activations per Election	Act/Ballot Style * Ballot Style/Elec	1300	99,000	299,970	299,970
Maximum Number of Parties	Party Code Combinations	8	50,653	598	400
Maximum Vote For in Contest	Office Vote Limit	56	99	64	99

Note 1: 9,223,372,036,854,770,000

Functionality

This section outlines the features that the system does not provide:

VVPAT	No
Wide Area Network Functionality (No use of modems even if included in COTS devices)	No
Used as a precinct counting device?	No
Local Area Network Functionality (No use if TCP/IP, No use of IRad, No use of Wireless even though those interfaces are present on defined equipment)	No

Primary: Open Defined in VVSG 2.1.7.2	No
Names of candidates rotation: Defined in VVSG 2.1.7.2	No
Recall: Defined in VVSG 2.1.7.2	No
Ranked Voting: Defined in VVSG 2.1.7.2 (Voters rank candidates in a contest in order of choice (1,2,3,etc.) A write in vote can be ranked)	No
Ranked Vote Tabulation: Defined in VVSG 2.1.7.2	No
Voting method exclusive to multi-member boards. (Each voter may cast as many votes as there are seats to be filled and may cast two or more of those votes for a single candidate)	No
Encryption of data (Per Federal Standards -FIPS 140-2)	No

Engineering Change Orders (ECOs) Included in the Certified Product:

<i>DATE</i>	<i>ECO Identification</i>	<i>Manufacturer</i>
4/16/2001	# 1330	Carson Manufacturing Co. Inc.
6/7/2005	# 1408	Carson Manufacturing Co. Inc.
10/10/2005	# 1413	Carson Manufacturing Co. Inc.
3/14/2006	# 1420	Carson Manufacturing Co. Inc.
5/12/2006	# 1424	Carson Manufacturing Co. Inc.
4/18/2007	RC Systems Double Talk RC8650 Voice Synthesizer	RC Systems
8/22/2007	# 1437	Carson Manufacturing Co. Inc.
9/19/07	# 1438	Carson Manufacturing Co. Inc.
1/23/08	Infinity Revision C Engineering Change Notice Declaration	Carson Manufacturing Co. Inc.
4/13/2008	# 1449	Carson Manufacturing Co. Inc.
4/21/2008	ECR/ECN 101 Part Number 0431164951	MicroVote General Corp.
5/15/2008	# 1450	Carson Manufacturing Co. Inc.

5/28/2008	# 1023	RC Systems
5/28/2008	# 1024	RC Systems
5/28/2008	# 1025	RC Systems
6/5/2008	# 1026	RC Systems