Certified Voting Systems in Indiana
Revised June 29, 2016

Under state law, a voting system may not be marketed, sold, leased, installed, or implemented in Indiana before an application for certification of the system is approved by the Indiana Election Commission. The same restriction applies to any upgrade or change to a currently certified voting system.

Upon approval of an application by the Commission, the voting system is certified for a four year term beginning October 1, 2013 and expiring October 1, 2017.

If an application for a new voting system or an upgrade to a currently certified voting system is approved by the Commission at any time after the beginning of the four year term (in April 2015, for example), this certification nonetheless expires October 1, 2017, along with all other voting system certifications (Indiana Code 3-11-7-12; 3-11-7-15; 3-11-7-19; 3-11-7.5-4; 3-11-7.4-5; 3-11-7.5-28).

The following voting systems are currently certified in Indiana, and are listed in alphabetical order by applicant name.

An engineering change order approved before October 1, 2013 is not set forth in the detailed description of a voting system listed below.

1. **Dominion Voting**

1201 18th Street, Suite 210
Denver, CO 80202
Contact: Edwin B. Smith, III (720) 257-5209, ext 9206

AccuVote/GEMS voting system:

HARDWARE: AccuVote-TSx direct record electronic touchscreen (Model D tablet); AccuVote-OS Optical Scan (Model D)

FIRMWARE:
AccuVote-OS 1.96.6
AccuVote TSX 4.6.4 (note comment under Engineering Change Orders, below)

SOFTWARE:
Global Election Management System (GEMS) version 1.18.24 (note comment below under Engineering Change Orders, below)
AccuVote-OS Central Count version 2.0.12 (optional)
Key Card Tool, version 4.6.1
Vote Card Encoder, version 1.3.2
VC Programmer, version 4.6.1

Engineering Change Orders: SSL Certificate updates, changing only these two system components: GEMS from version 1.18.24 to 1.18.24D; and AccuVote TSX (firmware) from 4.6.4 to 4.6.4D. *NOTE: No Dominion Voting customer counties in Indiana use the ExpressPoll 4000 Card Writer version 1.1.5. It is therefore not included in this listing.*

2. **Election Systems & Software (ES&S)**

11208 John Galt Boulevard
Omaha, NE 68137
Contact: Mark Manganaro: (402) 938-1399

(A): Election Systems & Software Unity 3.0.1.0 (amended).

FIRMWARE:
AutoMARK Voter Assist Terminal (VAT) version 1.1.2258;
iVotronic DRE version 9.1.4.0 and 9.1.7.0;
Precinct Scanner Model 100, version 5.2.0.0 and version 5.2.0.2;
Central Count Scanner Model 650, version 2.1.0.0, red and green visible light source, left and right hand response;
Optech 3PE "Eagle", versions 1.28/1.50/1.02 (no modem)

SOFTWARE:
Audit Manager version 7.3.0.0;
Election Data Manager 7.4.4.0;
ESS Image Manager (including Ballot on Demand Functionality), version 7.4.2.0;

OpTech Image Manager version 4.0.0.0;
Hardware Programming Manager version 5.2.4.0;
iVotronic Image Manager version 2.0.1.0;
Data Acquisition Manager version 6.0.0.0;
Election Reporting Manager version 7.1.2.0;
AutoMARK Information Management System 1.2.18.

The certification of the Optech 3PE is limited to the installation and use of Unity 3.0.1.0 on Optech 3PE voting systems used by Indiana counties on March 20, 2006 (Clark, Crawford, Dearborn, Howard, and Montgomery). This certification does not permit the marketing, sale, lease, installation, or use of the Optech 3PE in any other Indiana county.

(B): Model Number Election Systems & Software Unity 3.4.0.0, with Model 100.

HARDWARE:
AutoMARK Voter Assist Terminal (VAT): 1.0, 1.1, 1.3.1 with PEB 1.65, 1.3.1 with PEB 1.70
Model 100: 1.3
DS 200 Precinct Scanner: 1.2
Model 650 Central County Tabulator (red and green visible light sensors, right and left response sensors): 1.1, 1.2
DS 850 Central Count Tabulator: 1.0
Plastic Ballot Box: 1.2, 1.3.
Metal Ballot Box with Diverter and Without Diverter, 1.0. 1.1, 1.2.

FIRMWARE:
AutoMARK VAT v.1.3.2907;
Model 100, v. 5.4.4.5;
DS 200, v. 1.6.1.0;
Model 650, v. 2.2.2.0;
DS 850, v. 2.2.0.0

SOFTWARE:
Audit Manager (AM) v. 7.5.2.0;
Election Data Manager (EDM) v.7.8.1.0;
ES&S Image Manager with Ballot on Demand (ESSIM), version 7.7.1.0;
AutoMARK Information Management System (AIMS), v. 1.3.257;
VAT Previewer v.1.3.2907;
Hardware Programming Manager (HPM) v.5.8.0.0;
Election Reporting Manager (ERM) version 7.8.0.0;
Log Monitor v. 1.0.0.0

Engineering change orders for the DS200 ballot box; DS200 Precinct Scanner; M650 Scanner; and M100 ballot box were approved by the Indiana Election Commission on August 15, 2014.

(C): Model Number Election Systems & Software 5.0.1.0.

HARDWARE:
AutoMARK Voter Assist Terminal (VAT): A100 v 1.0, A200, v.1.1, A300, v.1.3
DS 200 Precinct Scanner: 1.2, 1.3
DS 850 Central Count Tabulator, v. 1.0
Plastic Ballot Box: 1.2, 1.3.
Metal Ballot Box with Diverter and without Diverter, 1.0. 1.1, 1.2.

FIRMWARE:
AutoMARK A100, A200, A300 VAT v.1.8.1.0
DS 200, v. 2.7.1.0
DS 850, v. 2.4.0.0

SOFTWARE:
ElectionWare, v.4.1.0.0
Election Reporting Manager (ERM), v. 8.6.0.0
Removable Media Service, v. 1.4.0.0
Event Log Service, v. 1.5.0.0.
VAT Previewer, v. 1.8.1.0

COTS:
Operating System: Standalone EMS; Windows 7 SP1, Network: Windows Server 2006 R2
EMS/Reporting workstation: Dell OptiPlex 980 or equivalent with minimum specifications: Intel Core IS CPU 650 @3.20 GHz; 4.0 GB Installed RAM, Hard Drive Capacity, 320GB
EMS Server: Dell T710 or equivalent with minimum specifications; Intel Xeon CPU ES645 @ 2.40 GHz (2 processors), 12.0 GB Installed RAM, Hard Drive Capacity, 320 GB
EMS Client Laptop: Dell Latitude E6410 or equivalent with minimum specifications; Intel Core IS CPU M580 @ 2.67 GHz; 4.00 GB Installed RAM, Hard Drive Capacity 250 GB
Communications Server: Dell T410 or equivalent with minimum specifications; Intel Xeon CPU ES5504 @ 2.00 GHz; 4.0 GB Installed RAM, Hard Drive Capacity 300 GB
Ballot on Demand Printer: Oki C711, Oki C9600, Oki C9650
DS850 Report Printer: Oki B430dn or B431dn
DS850 Audit Log Printer: Oki Microcline 420 dot matrix printer
EMS Report Printer: COTWS Laser Jet printer
Head Phones: Industry standard 2.5mm jack
USB Flash Drive: Delkin 512 MB, 1GB, 4GB, or 8GB
Compact Flash: 1GB or higher

(D): Model Number Election Systems & Software 3.4.1.0.

HARDWARE: AutoMARK Voter Assist Terminal (VAT): 1.0, 1.1, 1.3 with PEB 1.65, 1.3. with PEB 1.70
Model 100: 1.3
DS 200 Precinct Scanner: 1.2, 1.3
Model 650 Central County Tabulator (red and green visible light sensors, right and left response sensors): 1.1, 1.2
Epson LQ-590 report and audit printer
DS 850 Central Count Tabulator: 1.0, report printer – Oki B430DN, audit printer Oki 420
Plastic Ballot Box: 1.3, 1.4.
Metal Ballot Box with Diverter and Without Diverter, 1.0. 1.1, 1.2.

FIRMWARE: AutoMARK VAT v.1.3.2907; Model 100, v. 5.4.4.5.; DS 200, v. 1.7.0.0; Model 650, v. 2.2.2.0; DS 850, v. 2.9.0.0

SOFTWARE: Audit Manager (AM) v. 7.5.2.0; Election Data Manager (EDM) v.7.8.2.0; ES&S Image Manager with Ballot on Demand (ESSIM), version 7.7.2.0; AutoMARK Information Management System (AIMS), v. 1.3.257; VAT Previewer v.1.3.2907; Hardware Programming Manager (HPM) v.5.9.0.0; Election Reporting Manager (ERM) version 7.9.0.0; Log Monitor v. 1.1.0.0

COTS: Operating System: Standalone EMS\Client: Windows7 SP1; Network: Windows Server 2008 R2; EMS\Reporting workstation: Latitude E6400 or equivalent with minimum specifications: Intel Core i5 CPU 650 @ 3.20GHz, 4.0 GB Installed RAM, Hard Drive Capacity 320 GB; Ballot on Demand Printer: Oki C711, Oki C9600, Oki C9650; EMS Report Printer: COTS Laser Jet printer; Head Phones: Industry standard 2.5 mm jack; USB Flash Drive: Delkin 512 MB, 1GB, 4 GB, or 8 GB; Compact Flash: 1GB or higher; Mouse & Keyboard: USB Standard

(E) Model Number Election Systems & Software Unity 5.2.0.0

HARDWARE: AutoMARK Voter Assist Terminal (VAT): A100 1.0; A200, v. 1.1; A200, v. 1.3; A300 v.1.3
DS 200 Precinct Scanner: 1.2, 1.3
DS 850 Central Count Tabulator: v. 1.0
Express Vote: v. 1.0
Plastic Ballot Box: 1.2, 1.3, 1.4.
Metal Ballot Box with Diverter and Without Diverter, v. 1.0. 1.1, 1.2.

FIRMWARE: AutoMARK VAT v.1.8.6.0; DS 200, v. 2.12.0.0; DS 850, v. 2.10.0.0; Express Vote: v.1.4.0.0; Express Pass, v. 1.1.0.0

SOFTWARE: ElectionWare, v.4.6.0.0 (includes paper Ballot v.4.6.0.0) with Ballot on Demand Functionality; Election Reporting Manager (ERM) version 8.11.0.0; Removable Media Service, v.1.4.5.0; ES&S Event Log Service, v.1.5.5.0; VAT Previewer, v.1.8.6.0; ExpressVote Previewer, v. 1.4.0.0

<u>COTS:</u> Operating System: Standalone EMS Windows7 SP1; Network: Windows Server 2008 R2; EMS\Reporting workstation: Latitude E6400 or equivalent: Dual Core Processor, 4 GB RAM, 150GB Hard Disk, 16X CD\DVD (min), 2 USB 2.0 ports (min); EMS Server: Dell Power Edge (or equivalent: Quad Core Processor (min), 4GB RAM (min); 320 GB hard disk (min); 16xCD\DVD (min, 2 USB 2.0 ports (min), network port; EMS Reporting laptop: Dell Latitude 6410 or equivalent; Intel Core i5, 4 GB Ram, 150GB Hard Disk (min), 16X CD\DVD (min), 2 USB 2.0 ports (min); Ballot on Demand Printer: Oki 711, Oki C9600, Oki C9650; 850 Report Printer: Oki B430dn & Oki B431dn; 850 Audit Printer: Oki Microline 420; 650 Audit & Report Printer Epson LQ-590; Head Phones: Industry standard 2.5 mm jack; USB Flash Drive: Delkin 1, 2, 4, or 8 GB; Compact Flash: Delkin 1GB; Cerberus FTP Server 6.0.7.1

Engineering Change Orders #1880, 911, 917, 919, 1741, and 2018 for hardware revisions to the DS200, DS850, and ExpressVote were approved by the Indiana Election Commission on December 11, 2015.

Engineering Change Orders #923, 927, and 1948 for hardware revisions to the Unity 3.2.0.0, Unity 3.4.0.0, Unity 3.4.1.0, EVS 5.0.1.0, and EVS 5.2.0.0 were approved by the Indiana Election Commission on June 29, 2016.

3. Hart InterCivic. Inc.

15500 Wells Port Drive
Austin, TX 78728
Contact: Eddie Perez, 512.252.6622 (o) 512.252.6466 (efax)
800.223.HART

<u>Hart InterCivic Electronic Voting System and Ballot Now Absentee Paper System direct record electronic and optical scan ballot card voting system (Version 6.2.1, consisting of the direct record electronic voting system, optical scan ballot card voting system, and optical scan central count</u>
eCM Manager 1.1.7;
BOSS 4.3.13;
Tally 4.3.10;
Ballot Now 3.3.11;
SERVO 4.2.10;
Rally 2.3.7;
JBC 4.3.1 (Hardware Number JBC 1000B);
eSlate 4.2.13 (Hardware Number eSlate3000);
eScan 1.3.14 (Hardware Number 1001-695)

4. MicroVote General Corporation

6366 Guilford Avenue
Indianapolis, Indiana 46220-1750
Contact Steve Shamo: (317) 257-4900

(A) MicroVote EMS 4.0B (Modification)

HARDWARE:
Infinity Model VP-1 Voting Panel Rev C;
Scanner Dual Sided Chatsworth ACP 2200 COTS Model 60500-190;
Printer Seiko COTS Model DPU-414 or Model DPU-3445;
Printer Dell COTS; Doubletalk Model LT3 V1.0 LT RC8650;
Smartcard Reader Gemplus COTS;
Mark Products LM64K83 LCD Display COTS;
Smart Cards COTS;
Voting Booth Model 2000;
EMS Server Dell Desktop COTS Model DHM Windows XP Profession SP2;
Laptop(s) Dell COTS Model PP17L Windows XP Profession SP2

FIRMWARE:
EMS Software MicroVote 4.0B Firmware 4.0.26.0;
Infinity Model VP 1 Voting Panel Firmware 4.00B;
Doubletalk Model LT3 Firmware BIOS 0212

SOFTWARE:
EMS Server Dell Desktop COTS MS SQL 2000 Windows XP Profession SP2;
Scanner Dual Sided Chatsworth ACP 2200 COTS;
Printer Seiko COTS;
Printer Dell COTS;
Smartcard Reader Gemplus COTS;
Mark Products LM64K83 LCD Display COTS

1. *This system shall conform to all aspects of the EAC Scope of Certification issued on August 23, 2010.*
2. *The updated Field Implementation ECO 103 shall be applied to all Infinity Voting Panels with serial numbers below 5000 in a manner approved as part of the EAC certification of MicroVote 4.0B Modification (See Wyle Labs Engineering Change Order Analysis Form for ECN 103 and MicroVote 103 Addendum Version 0.3). The updated Field Implementation ECO 1408 shall be applied to all Infinity Voting Panels with serial numbers 5000 and above. These changes shall be applied in a manner approved as part of the EAC Certification of MicroVote 4.0B Modification (see Technical Bulletin ECN 1408 Field Implementation).*

(B) MicroVote EMS 4.1 DRE and Absentee Optical Scan system

Hardware: Infinity Model VP-1 Voting Panel Rev C/D05; Scanner Dual Sided Chatsworth ACP 2200 COTS Model 60500-190; Printer Seiko COTS Model DPU-414 or Model DPU-3445; Printer Dell COTS; Doubletalk Model LT3 V1.0 LT RC8650; Smartcard Reader

PC/SC compatible USB contact reader/writer COTS; Gemplus Smartcard COTS; Voting Booth Model 2000; EMS Server Dell Desktop(s) COTS; Windows 7 Professional SP1

Firmware: Infinity 4.10-983 (4.10 displayed); Doubletalk 0212

Software: EMS 4.1.21.0; MS SQL SERVER 2012 SP1; Windows 7 PRO SP1

5. Unisyn Voting Solutions

2310 Cousteau Court
Vista, CA 92081-8346
Contact Chris Ortiz: (760) 734-3233

(A) OpenElect voting system, version 1.1

HARDWARE:
OpenElect OVO, Revision E;
OpenElect OVI (7 inch), Revision F;
OpenElect OVI-VC (15 inch), Revision A;
OpenELect OVCS, Version 1.0;
Dell and Sun Microsystems COTS hardware as specified in June 28, 2012 Indiana Election Commission minutes

FIRMWARE:
OpenElect OVO version 1.1;
OpenElect OVI (7 inch), Version 1.1;
OpenElect OVI-VC (15 inch) Version 1.1;
OpenElect OVCS Version 1.1.

SOFTWARE:
Ballot Layout Manager, Version 1.1;
Election Manager, Version 1.1;
Software Server, Version 1.1;
Election Server, Version 1.1;
Tabulator, Version 1.1;
Tabulator Client, Version 1.1;
Tabulator Reports, Version 1.1, Adjudicator, Version 1.1;
Scripter, Version 1.1;
Validator, Version 1.1;
Logger, Version 1.1;
Common, Version 1.1.

(B) OpenElect voting system, version 1.1, approved August 15, 2014

HARDWARE:
OpenElect OVO, Hardware Version 1.1;
OpenElect OVI (7 inch), Hardware Version 1.1;
OpenElect OVI-VC (15 inch), Hardware Version 1.1;
OpenElect OVI-VC (15 inch), Hardware Version 1.2;

OpenELect OVCS, Hardware Version 1.2;
Dell and Sun Microsystems COTS hardware

FIRMWARE:
OpenElect OVO version 1.2 with CentOS Linux 5.0 (See Note #3);
OpenElect OVI (7 inch), Version 1.2 with CentOS Linux 5.0 (See Note #1);
OpenElect OVI-VC (15 inch) Version 1.2 with CentOS Linux 5.0 (See Note #1);
OpenElect OVI-VC (15 inch) Version 1.2 with CentOS Linux 6.3 (See Note #2);
OVCS Version 1.2 with CentOS Linux 5.7

SOFTWARE:
Ballot Layout Manager, Version 1.2.0;
Election Manager, Version 1.2.0;
Software Server, Version 1.2.0;
Election Server, Version 1.2.0;
Tabulator, Version 1.2.0;
Tabulator Client, Version 1.2.0;
Tabulator Reports, Version 1.2.0, Adjudicator, Version 1.2.0;
Scripter, Version 1.2.0;
Validator, Version 1.2.0;
Logger, Version 1.2.0;
Common, Version 1.2.

Notes:
1. **Corresponds to Unisyn internal version number OVI OS Version 1.1.00**
2. **Corresponds to Unisyn internal version number OVI OS Version 2.0**
3. **Corresponds to Unisyn internal version number OVO OS Version 2.0**

Engineering change orders for the OpenElect version 1.1 were approved by the Indiana Election Commission on August 15, 2014.

(C) OpenElect 1.3 voting system, approved July 21, 2015:

HARDWARE:
OpenElect OVO, Revision A& E;
OpenElect OVI (7 inch), Revision F;
OpenElect OVI-VC (15 inch), Revision A and B;
OpenELect OVCS, Version 1.3;
Dell and COTS hardware: Ballot Box Version 1.1 (Metal); 1.2 (Plastic Rolling); 1.2 Corrugated; 1.3 (Plastic); & 1.3 (Plastic Rolling)

FIRMWARE:
OpenElect OVO version 1.3;
OpenElect OVI (7 inch), Version 1.3;
OpenElect OVI-VC (15 inch) Version 1.3;
OpenElect OVCS Version 1.3

SOFTWARE:
Ballot Layout Manager, Version 1.3;
Election Manager, Version 1.3;

Software Server, Version 1.3;
Election Server, Version 1.3;
Tabulator, Version 1.3;
Tabulator Client, Version 1.3;
Tabulator Reports, Version 1.3, Adjudicator, Version 1.3;
Scripter, Version 1.3;
Validator, Version 1.3;
Logger, Version 1.3;
Common, Version 1.3.

Engineering Change Order EAC 32564 for the OpenElect 1.3 voting system was approved by the Indiana Election Commission on December 11, 2015.

Engineering Change Orders for the OpenElect 1.3.4 voting system were approved by the Indiana Election Commission on June 29, 2016. These modifications concerned the Ballot Layout Manager (BLM) 1.3.4; Election Manager (EM) 1.3.4; OpenElect Voting Optical (OVO) 1.3.4; OpenElect Voting Interface (OVI) 1.3.4; OpenElect Voting Central Scan (OVCS) 1.3.4; and Tabulator 1.3.4.

PREVIOUSLY CERTIFIED VOTING SYSTEMS

Indiana Code 3-11-15-13.3(b) provides:

"A county may continue to use an optical scan ballot card voting system or an electronic voting system whose approval or certification expired on or before October 1, 2013, if the voting system: (1) was… approved by [the Indiana Election] Commission before October 1, 2013; and purchased by the county before October 1, 2013; and otherwise complies with the applicable provisions of [the Help America Vote Act] HAVA and [IC 3-11]. However, a vendor may not market, sell, lease, or install a voting system described by this subsection."