

State of Wisconsin\Government Accountability Board

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JUDGE TIMOTHY L. VOCKE
Chair

KEVIN J. KENNEDY
Director and General Counsel

MEMORANDUM

DATE: April 18, 2013

TO: Wisconsin County Clerks
Wisconsin Municipal Clerks
City of Milwaukee Election Commission
Milwaukee County Election Commission

FROM: Michael Haas
Elections Division Administrator

Sherri Ann Charleston
Voting Equipment Elections Specialist

SUBJECT: Approval of Election Systems and Software (ES&S) Unity 3.4.0.0 Electronic Voting System

The Government Accountability Board approved Election Systems & Software's (ES&S) Unity 3.4.0.0 Voting System at its March 20, 2013 meeting. Unity 3.4.0.0 is a paper-based Election Management System (EMS) for end-to-end election management. Unity EMS allows jurisdictions to create and maintain a central database of election information, format and print paper ballots on demand, program election equipment, and collect and report election results. The Unity 3.4.0.0 EMS can be used to program the AutoMARK Voter Assist Terminal, the DS200 digital scan ballot tabulator, and the M100 optical scan precinct tabulator. The DS200 that was approved as a part of the 3.4.0.0 does not include landline modem functionality to support the modeming of unofficial results from the polling place to a central location on election night.

Prior to its approval, the ES&S voting equipment and materials were reviewed by G.A.B. staff and the Election Administration Council, an advisory panel of local election officials and community advocates. The vendor set up and demonstrated a series of mock elections: a partisan primary, a mock general election with both a presidential and gubernatorial vote, and a mock nonpartisan election combined with a presidential preference vote. Staff determined that the Unity 3.4.0.0 Election Management System could successfully program the AutoMARK Voter Assist Terminal, the DS200 digital scan ballot tabulator, and the M100 precinct tabulator.

G.A.B. staff tested and the Board approved the following hardware versions for the ES&S Unity 3.4.0.0.

Equipment	Hardware Version(s)	Firmware Version	Type
DS200	1.2	1.6.1.0	Precinct Tabulator
AutoMark Voter Assist Terminal (VAT)	1.0 1.1 1.3.1 with Print Engineering Board 1.65 1.3.1 with Print Engineering Board 1.70	1.3.2907	Ballot Marking Device
M100		5.4.4.5	Precinct Tabulator

Staff also reviewed and the Board approved the following software, which is included in the Unity 3.4.0.0 suite:

Software	Version Number
Audit Manager	7.5.2.0
Election Data Manager	7.8.1.0
ESS Image Manager	7.7.1.0
Hardware Programming Manager	5.8.0.0
Election Reporting Manager	7.8.0.0
AutoMark Information Management System (AIMS)	1.3.257
VAT Previewer	1.32907
Log Monitor	1.0.0.0

At its August 28, 2012 Board meeting, the Board previously approved the Unity Election Management Suite, version 3.2.0.0 Rev 3, which includes the DS200 digital scanner, version 1.6.1.0, and AutoMARK Voter Assist Terminal versions 1.3.2906 and 1.3.1. The DS200 and AutoMARK in Unity 3.4.0.0 use identical firmware to what was previously certified with 3.2.0.0 Rev 3.

ES&S upgraded the M100 optical precinct ballot scanner and tabulator to function with the Unity 3.4.0.0 package. Specifically, ES&S expanded the number of precincts that could be counted on Election Day from 10 to a maximum of 18. Early voting precincts were also expanded from 10 to a maximum of 450. Finally, ES&S enhanced support for 2007 Daylight Savings Rules, audit log messaging, and voter/poll worker messaging.

The ES&S Unity 3.4.0.0 Voting System approved in March is not approved for use with earlier ES&S voting systems. Use of the Unity 3.4.0.0 Election Management Software will require that earlier versions of the M100 precinct tabulator and the AutoMARK Voter Assist Terminal be updated to reflect the new configurations.

In October, the U.S. Election Assistance Commission (U.S. EAC) certified that the ES&S Unity 3.4.0.0 system meets the 2002 Voting System Standards established by the U.S. EAC. State law requires that voting equipment be approved by the G.A.B. before it can be used in Wisconsin.