



UNITED STATES  
ELECTION ASSISTANCE  
COMMISSION

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## Engineering Change Orders

## 2024 - Anti-Virus & Windows Updates Engineering Change Orders 2024

Jan 1st, 2024- Dec 31st, 2024

Reviewed - Rick Weible 9/4/2025



**NONE HAVE BEEN FILED OR CERTIFIED BY ANY VENDOR**

**There have been no antivirus updates or patches to any software to secure ensure that our elections would be secure during the primary or for the 2024 General Election.**

Windows Updates	AntiVirus Update	ECO	Manufacturer	Testing Lab	Impacted Device/System	Date Approved	Notes
No	No	<a href="#">CBG-165</a>	<a href="#">Clear Ballot Group, Inc.</a>	<a href="#">Pro V&amp;V</a>	DesignStation and CountStation; ClearVote 2.3	1/9/2024	This ECO adds a Dell OptiPlex XE4 device as a COTS DesignStation and CountStation to ClearVote 2.3 due to the end of production life status for the current model (Dell Optiplex XE3).
No	No	<a href="#">DVS-100936</a>	<a href="#">Dominion Voting Systems Corp</a>	<a href="#">Pro V&amp;V</a>	Impacted System: Democracy Suite 5.17 Impacted Device: ImageCast X	9/24/2024	An updated user manual with optional instructions to update the firmware. Per the Customer Advisory Notice, during installation or removal of election project files, the ICX may display an error message stating, "System becomes unstable. You need to re-image Android operating system and re-install ICX application." To prevent this error, new User Manuals are being submitted that outlines steps to update the SSD firmware.
No	No	<a href="#">DVS-100961</a>	<a href="#">Dominion Voting Systems Corp</a>	<a href="#">Pro V&amp;V</a>	EMS servers for Dominion Democracy Suite 5.17	2/26/2024	This ECO added a Dell PowerEdge R660 as an alternate to the existing Dell PowerEdge R640 Standard EMS Server. The R640 has become commercially unavailable for purchase.
No	No	<a href="#">DVS-100974</a>	<a href="#">Dominion Voting Systems Corp</a>	<a href="#">Pro V&amp;V</a>	Democracy Suite 5.5-B Democracy Suite 5.5-C Democracy Suite 5.5-D Democracy Suite 5.17	3/20/2024	This ECO documents the addition of the Apacer 8GB SDHC (AJ3.148FSA.00105) memory device as an alternate source to improve commercial availability.
No	No	<a href="#">DVS-100975</a>	<a href="#">Dominion Voting Systems Corp</a>	<a href="#">Pro V&amp;V</a>	Democracy Suite 5.5-B Democracy Suite 5.5-C Democracy Suite 5.5-D Democracy Suite 5.17	3/20/2024	This ECO documents the addition of the Apacer 8GB Micro SDHC (AK3.148FSA.00105) memory device as an alternate source to improve commercial availability.
No	No	<a href="#">DVS-100982</a>	<a href="#">Dominion Voting Systems Corp</a>	<a href="#">Pro V&amp;V</a>	All D-Suite system configurations that include the HiPro scanner workstation or the Canon scanner workstation.	3/28/2024	This ECO documents the addition of the DELL P2424HT touch monitor as a display device for the ICC HiPro scanner workstation and the ICC Canon Workstation due to the various predecessors reaching the end of their commercial availability. Per the ECO, this product can be used as a replacement in new or existing installations for all D-Suite system configurations that include the HiPro scanner workstation or the Canon scanner workstation.
No	No	<a href="#">DVS-101007</a>	<a href="#">Dominion Voting Systems Corp</a>	<a href="#">Pro V&amp;V</a>	Device: IOGEAR USB 3.0 High-Speed Multi-Card Reader; Systems: Democracy Suite 5.5, Democracy Suite 5.5-A, Democracy Suite 5.5-B, Democracy Suite 5.5-C, Democracy Suite 5.5-D, and Democracy Suite 5.17.	10/15/2024	This minor change adding IOGEAR USB 3.0 High-Speed Multi-Card Reader to expand the list of Compact Flash / SD Memory Readers does not alter the system's reliability, functionality, capability, or operation. Based on the information provided, it has been determined that no further testing is necessary.
No	No	<a href="#">ECO-01645</a>	<a href="#">Hart InterCivic, Inc.</a>	<a href="#">SLI Compliance, a Division of Gaming Laboratories International, LLC</a>	Verity Voting 2.7	3/12/2024	This ECO corrects an anomaly in the Verity Central workstation software where the time required to scan a batch, defined as the time to start a batch scan until the "Scan Complete" dialog appears, progressively increases as more ballots are scanned when the ballots have unique IDs and duplicate checking is enforced.

No	No	<a href="#">ESS-1154</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	DS300 Ballot Box Scanner for EVS 6.3.0.0.	3/8/2024	This ECO introduces modifications to the DS300 Ballot Box to improve the usability and manufacturability of the Ballot Box.
No	No	<a href="#">ESS-1156</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	DS950 Scanner for EVS 6.0.6.0, EVS 6.2.0.0 and EVS 6.3.0.0.	2/14/2024	This ECO adds an extension to the DS950 tray sensor arm, preventing a motor drive error.
No	No	<a href="#">ESS-1164</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	Impacted System: EVS 6.3.0.0, EVS 6.4.0.0, EVS 6.5.0.0 Impacted Devices: DS300	10/1/2024	This ECO includes a DS300 Ballot Bin Handle Kit. This Ballot Bin Handle Kit is intended to repair the mounting integrity of the handle in a field environment.
No	No	<a href="#">ESS-1165</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	Tote Bin DS200/DS300 EVS 5.2.4.0, EVS 6.0.2.0, EVS 6.0.2.1, EVS 6.0.4.0, EVS 6.0.4.3, EVS 6.0.6.0, EVS 6.1.0.0, EVS 6.1.1.0, EVS 6.2.0.0, EVS 6.3.0.0, EVS Expressvote XL on EVS 6.0.0.0, EVS 6.0.2.0, EVS 6.0.2.1, EVS 6.0.3.0, EVS 6.0.4.0, EVS 6.0.4.3, EVS 6.0.6.0, EVS 6.1.0.0, EVS 6.1.1.0, EVS 6.2.0.0, EVS 6.3.0.0, and EVS 6.4.0.0	5/15/2024	This ECO introduces security upgrades to the Tote Bin. Per the submitted ECO, the upgrades consist of adding a security gasketing kit on the Tote Bin to prevent access while locked, as detailed in the submitted technical documentation. The purpose of the security gasketing is to prevent cards and/or ballots from entering through the gaps along the hinge area of the Tote Bin
No	No	<a href="#">ESS-1168</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>		4/4/2024	Introduction of latest ESD mitigation to older EVS releases.
No	No	<a href="#">ESS-1174</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	DS300 Scanner for the EVS 6.3.0.0 and EVS 6.4.0.0	4/3/2024	This ECO introduces a modification to the DS300 thermal report printer door and motor cable bracket. This modification prevents the deformation of the thermal report printer and a larger variation tolerance for the report printer door.
No	No	<a href="#">ESS-1176</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	DS850 Scanner using EVS 6.4.0.0	4/15/2024	Add Brother HL-EX415DWVS Printer to DS850 as Brother printer HL-L6400DWVS is end-of-life.
No	No	<a href="#">ESS-1177</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	Add Brother HL-EX415DWVS Printer to DS450 using EVS 6.3.0.0 and EVS 6.4.0.0	4/15/2024	Add Brother HL-EX415DWVS Printer to DS450 using EVS 6.3.0.0 and EVS 6.4.0.0
No	No	<a href="#">ESS-1178</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	Add Brother HL-EX415DWVS Printer to DS950 for EVS 6.0.6.0, EVS 6.2.0.0, EVS 6.3.0.0 and EVS 6.4.0.0	4/15/2024	Add Brother HL-EX415DWVS Printer to DS950 for EVS 6.0.6.0, EVS 6.2.0.0, EVS 6.3.0.0 and EVS 6.4.0.0
No	No	<a href="#">ESS-1184</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	Expressvote XL with EVS 6.0.0.0, EVS 6.0.2.0, EVS 6.0.2.1, EVS 6.0.3.0, EVS 6.0.4.0, EVS 6.0.4.3, EVS 6.0.6.0, EVS 6.1.0.0, EVS 6.1.1.0, EVS 6.2.0.0, EVS 6.3.0.0 and 6.4.0.0.	8/2/2024	Change Bin Floor Insert Assembly
No	No	<a href="#">ESS-1187</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	The DS300 ballot boxes for the: EVS 6.3.0.0., EVS 6.4.0.0., EVS 6.5.0.0.	8/26/2024	This ECO adds a front bumper for the DS300 ballot box to protect the device during shipping and storage.
No	No	<a href="#">ESS-1188</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	EVS 6.5.0.0	9/16/2024	Moved file created during of installation of Electionware Additional Reporting from the semi-static file list to the dynamic file list. This ECO introduces a modification that moves C:\Program Files\Election Systems And Software\Electionware Additional Reporting 1.1.0.1\back-end\configuration.ini from the semi-static file list to the dynamic file list.

No	No	<a href="#">ESS ECO-1167</a>	<a href="#">Election Systems &amp; Software, Inc. (ES&amp;S)</a>	<a href="#">Pro V&amp;V</a>	EVS 6.3.0.0.	4/9/2024	This ECO covers the addition of the semi-static file "C:\ProgramData\Electionware\install.log" to the EMS Standalone, Client, and Server configurations and validation file lists. These minor changes do not adversely impact the systems reliability, functionality, capability, or operation. Based on the information provided, it has been determined that no further testing is necessary.
No	No	<a href="#">HRT-01531</a>	<a href="#">Hart InterCivic, Inc.</a>	<a href="#">SLI Compliance, a Division of Gaming Laboratories International, LLC</a>	All EAC certified Hart InterCivic, Inc. Verity systems.	1/16/2024	ECO-01531 changes include updates due to supply chain constraints, corrections to part numbers, and manufacturing improvements to their ballot box. These minor changes do not adversely impact system reliability, functionality, capability, safety, security, or operation. Based on the information provided, it has been determined that no further testing is necessary.
No	No	<a href="#">HRT-01646</a>	<a href="#">Hart InterCivic, Inc.</a>	<a href="#">SLI Compliance, a Division of Gaming Laboratories International, LLC</a>	Verity 2.7 Verity Data	3/14/2024	This ECO corrects three errors within the translation text for the Chinese and Vietnamese language elections.
No	No	<a href="#">HRT-01649</a>	<a href="#">Hart InterCivic, Inc.</a>	<a href="#">SLI Compliance, a Division of Gaming Laboratories International, LLC</a>	All Verity Releases	6/6/2024	The End-of-Life notice of the Brother PJ-723 thermal printer used within the Verity Touch Writer Duo series of devices. The product model is replaced with an equivalent model, the PJ-823. The End-of-Life notice of the Advantech CFast card used within all Verity devices. The 16GB model is no longer manufactured and is being replaced with the equivalent 32GB model from the same manufacturer. The Touch Writer Duo Printer Bracket plastic is updated to improve assembly during manufacturing.
No	No	<a href="#">HRT-01658</a>	<a href="#">Hart InterCivic, Inc.</a>	<a href="#">Pro V&amp;V</a>	Verity Touch Writer, Verity Print and Verity workstations using Verity Voting 2.7	6/27/2024	Add Brother HL-EX415DW COTS Printer to replace Brother HL-L6400DWVS COTS which is end of life.
No	No	<a href="#">MVT-139</a>	<a href="#">MicroVote General Corp.</a>	<a href="#">Pro V&amp;V</a>	All EMS Versions: - MicroVote EMS 4.0 - MicroVote EMS 4.0-B - MicroVote EMS 4.1 - MicroVote EMS 4.2 - MicroVote EMS 4.3-A - MicroVote EMS 4.4 - MicroVote EMS 4.41	8/14/2024	This ECN documents the addition of an alternate component to all MicroVote EMS versions. Previously certified Seiko printer DPU3445 is end-of-life. Seiko printer DPU-S445 is the replacement model. Per MicroVote, the Seiko DPU-S445 has been successfully used to print tally tapes internally.

Source: [https://www.eac.gov/voting-equipment/engineering-change-orders?title=&field\\_date\\_approved\\_by\\_eac=2024-01-01&field\\_date\\_approved\\_by\\_eac\\_1=2024-12-31](https://www.eac.gov/voting-equipment/engineering-change-orders?title=&field_date_approved_by_eac=2024-01-01&field_date_approved_by_eac_1=2024-12-31)

Dashboard

Current Threats

Threat Intelligence Feeds

Tests and Services

Tools

New malware this year

93,683,430

In 2024

New malware in the last ...

3,559,218

In the last 14 days.

Total Malware

1,435,033,536

Since 1984

Latest detection

Hiddenad

2 minutes ago

ABOUT MALWARE AND PUA

With Malware and PUA, the AV-TEST Institute provides an overview of the overall situation regarding malware and potentially malicious software. The samples are categorized according to operating system, malware name or historical development.  
[Dismiss hint](#)

Spam

Blackhat URLs

Flare Whitelist

Malware & PUA

Overview

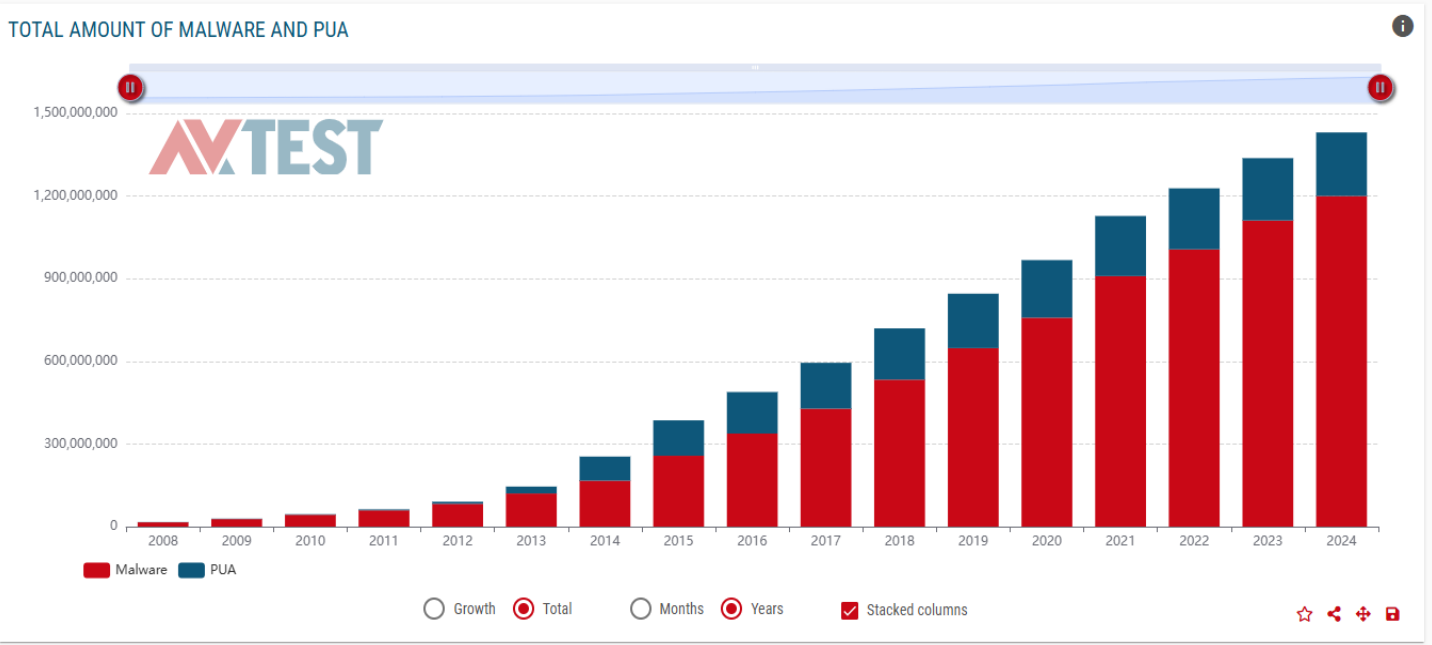
Statistics

Latest malware

IoT

Flare Android

NEED MORE DATA?  
Contact us!



Source: <https://portal.av-atlas.org/malware>

7.4.2 of the Voluntary Voting System Guide 1.0 (2005) states:  
"Voting systems shall deploy protection against the many forms of threats to which they may be exposed such as file and macro viruses, worms, Trojan horses, and logic bombs. Vendors shall develop and document the procedures to be followed to ensure that such protection is maintained in a current status."  
[https://www.eac.gov/sites/default/files/eac\\_assets/1/28/VVSG.1.0\\_Volume\\_1.PDF](https://www.eac.gov/sites/default/files/eac_assets/1/28/VVSG.1.0_Volume_1.PDF)