

SLI Compliance

Data, Software or TDP Minor Change Evaluation & Review Form

Vendor:	Hart InterCivic	Date:	6/12/2023
Change ID:	ECO-01605	System(s):	Verity Voting 2.7
Product:	Verity Transmit Receiving Station	Relevant Application(s):	Verity Transmit software

Put an X in the appropriate box(es):

	TDP Change
	Data Change
X	Software Change

Change Summary Description

This ECO corrects an anomaly in the Verity Transmit Receiving Station workstation in which backup (recovery) vDrives are not being automatically streamed during receipt of data within the Receiving Dashboard, even when automatic results streaming is enabled.

The following steps may be followed to reproduce the anomaly:

1. Allow automatic results streaming to vDrive is selected in the Verity Transmit Receiving Station Set Up Workstation menu.
2. The election is loaded on the Verity Transmit Receiving Station that matches a fielded Verity Transmit device.
3. A user enters the Receiving Dashboard on the Verity Transmit Receiving Station.
4. An Authorization Request code is generated on the Transmit Receiving Station and provided to the Verity Transmit device operator.
5. A backup vDrive is inserted on the Verity Transmit device for transfer to the Transmit Receiving Station.
6. The backup vDrive contents are transferred but do not stream to the transfer drive. They must be manually written from the Write Votes menu.

Reference Documents:

EAC 2005 Voluntary Voting System Guidelines (VVSG) Vol. II, Sec. 1.7.2
 EAC Voting System Testing and Certification Program Manual Ver. 3.0, Sec. 3.5.1.
 NOC 19-01: Software De Minimis Changes, 11-15-2019

Documentation used in SLI's Assessment:

ECO-01605 Summary - Transmit Streaming of Backup vDrives Correction 4005828 A00
 ECO-01605 QA Test Report for Verity 2.7.4 4005827 A00
 Verity 2.7.4 Record of Trusted Build

Manufacturer Reasoning for Minor Change Determination

The change described in this ECO is transparent to the user and restores expected behavior. These changes do not materially alter the system's reliability, functionality, capability, or operation.




Put an X in the appropriate box:

Change Evaluation		Comments
	The change affects the form, fit or function of the voting system component(s) and therefore requires further testing to be performed.	N/A
	Minor change: a change to a certified voting system's data and/or TDP, the nature of which will not materially alter the system's reliability, functionality, capability, or operation	N/A
X	Software Minor change: a change to the system's software that meets the EAC requirements as identified below.	Update Verity Transmit Receiving Station to version 2.7.4

Software minor changes should have the following general characteristics:

- (1) Update a discrete component of the system and do not impact overall system functionality.
- (2) Do not modify the counting or tally logic of a component or the system (formatting changes to reports are allowable).
- (3) Do not affect the accuracy of the component or system.
- (4) Do not negatively impact the functionality, performance, accessibility, usability, safety, or security of a component or system.
- (5) Do not alter the overall configuration of the certified system (e.g. adding ballot marking device functionality to a previously certified DRE component).
- (6) Can be reviewed and/or tested by VSTL personnel in a short amount of time (approximately less than 100 hours)

SLI Evaluation and Minor Change Determination
<p>This change affects Verity Transmit Receiving Station within the Verity Voting 2.7 system only. No other Verity products or releases are impacted by this change.</p> <p>Trusted Build was witnessed by SLI Compliance via Teams. The Source Code Package used for this build was sent to SLI for review, and hash validated using SHA2(256) as the unchanged before the Build was performed. All source code changes delivered were reviewed. No issues were noted in the changes submitted for review.</p> <p>The testing, as detailed in Hart's internal QA "ECO-01605 QA Test Report for Verity 2.7.4 4005827 A00" are all based around testing performed on the actual Trusted Build software. Testing provides sufficient coverage of the implemented changes to eliminate this anomaly in the Verity Data within the Verity Voting 2.7 system.</p> <p>All testing passed with no issues or anomalies observed.</p> <p>As required under section 3.5.1 of the EAC's Voting System Testing and Certification Program Manual Version 3.0, and in accordance with the instruction provided in <i>NOC 19-01: Software De Minimis Changes</i>, SLI Compliance considers the nature of ECO-01605 to be minor and therefore not to affect the Federal certification status for the Verity Transmit Receiving Station within the Verity Voting 2.7 system. No further testing is required.</p>
For Software minor changes only: Summary of Test Results (attach any additional documentation)
See ECO-01605 QA Test Report for Verity 2.7.4 4005827 A00 for additional details.

	Approved by/Title	Signature:	Date:
	Darrick E. Forester Voting Hardware Test Engineer		6/12/2023
	Michael D. Santos Director		6/12/2023