

SLI Compliance Data, Software or TDP Minor Change Evaluation & Review Form

Vendor:	Hart InterCivic	Date:	6/12/2023
Change ID:	ECO-01598	System(s):	Verity Voting 2.7
Product:	Verity Data	Relevant Application(s):	Verity Data software

Put an X in the appropriate box(es):

	TDP Change
	Data Change
X	Software Change

Change Summary Description

Hart internal testing found that the Party Selection contest for Straight Party elections may not appear on printed ballots when certain conditions are met.

The following conditions must apply for the anomaly to appear:

1. Using a Straight Party Election with the rule "Remove unused parties from selector."
2. The Party Selector contest is associated to all precincts.
3. When there are precincts associated to the Party Selector with contests which are straight party, but do not have choices associated to all parties OR which are not straight party but do have choices associated to parties.
4. Ballots are printed or exported at the same time as other precincts *with* straight party contests.

ECO-01598 makes a correction to the Verity Data product to correct this error.

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-01598 Summary - Party Selector Missing Anomaly Correction 4005823 A00
 ECO-01598 QA Test Report for Verity 2.7.3 4005826 A00
 Verity 2.7.3 Record of Trusted Build
 2.7.3_All_HashExports.7z

Manufacturer Reasoning for Minor Change Determination

The changes described in this ECO update an anomaly in Verity Data software that presents when printing or exporting ballots from Verity Build. All changes are transparent to the user and restore expected behavior. These changes do not materially alter the system's reliability, functionality, capability, or operation.



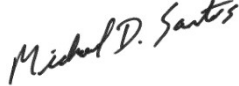
Put an X in the appropriate box:

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 Data to version 2.7.3, impacting only the following workstation images: <ul style="list-style-type: none"> ▪ DataBuild Server ▪ DataBuild Client ▪ DataBuild Standalone ▪ DataBuild Count

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 proposed change affects Verity Data 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-01598 QA Test Report for Verity 2.7.3 4005826 A00" is 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-01598 to be minor and therefore not to affect the Federal certification status for the Verity Data 2.7 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-01598 QA Test Report for Verity 2.7.3 4005826 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

