



Modifications to Certified Systems Summary (VVSG 2005)

Instructions

The purpose of this form is to assess modifications made to a certified system as mandated by VVSG Volume II, Section 1.7.2
For each requirement, fill in all relevant information as it is gathered.

Manufacturer Information

Manufacturer Name	Hart Intercivic
System Under Test	Verity 2.0

Assessor Information

Assessor and Job Title	M. Santos, Test Manager
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VVSG Req. No.	VVSG Requirement Text	Analysis
Vol: II 1.7.2	Modifications to Certified Systems Changes introduced after the system has completed certified testing will necessitate further review.	
Vol: II 1.7.2.1	General Requirements for Modifications The accredited test lab will determine tests necessary to certify the modified system based on a review of the nature and scope of changes, and other submitted information including the system documentation, vendor test documentation, configuration management records, and quality assurance information. Based on this review, the accredited test lab may:	
a.	Determine that a review of all change documentation against the baseline materials is sufficient for recommendation for certification	Analysis of changes implemented to Verity 2.0 indicate that review of change documentation is not sufficient in order to determine a recommendation for certification.
b.	Determine that all changes must be retested against the previously certified version. This will include review of changes to source code, review of all updates to the TDP, and performance of system level and functional tests	Analysis of changes implemented to Verity 2.0 indicate that all changes must be retested against the previously certified version. This includes review of changes to source code, review of all updates to the TDP, and performance of system level and functional tests. There are 2 primary changes to Verity 2.0. The first of these include the introduction of Verity Data , which is the new mechanism for introducing the election definition into Verity, as opposed to xml import files used in Verity 1.0. This introduced application does get vetted by Verity Build prior to passing information along into the election day activities of the voting system.



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		The second major introduction into Verity 2.0 is the inclusion of Verity Controller/Touch/Touch with Access, which introduces a chained Controller/DRE configuration into the Verity offering. This is a relatively isolate introduction as it is isolated by the input of data from Verity vDrive and post election output to Verity vDrive. The feature does however need to be vetted for each election type and will be subjected as such. Hardware, accuracy, security and performance aspects will also need to be reviewed.
c.	Determine that the scope of the changes is substantial and will require a complete retest of the hardware, software, and/or telecommunications	No telecommunications are involved in Verity 2.0. While Verity Scan, Verity Touch Writer, Verity Central and Verity Count are only moderately updated and/or affected by implemented changes, each will be subjected to significant re-testing.
Vol: II 1.7.2.1	Basis for Limited Testing Determinations The accredited test lab may determine that a modified system will be subject only to limited certification testing if the vendor demonstrates that the change does not affect demonstrated compliance with these <i>Guidelines</i> for:	
a.	Performance of voting system functions	Performance of voting system functions are not affected by implemented changes.
b.	Voting system security and privacy	Voting system security and privacy aspects are not affected.
c.	Overall flow of system control	Overall flow of system control is not affected.
d.	The manner in which ballots are defined and interpreted, or voting data are processed	The manner of how ballots are interpreted is not affected. The manner of how ballots are defined is affected (Data), as is how voting data is processed (Verity Controller/Touch/Touch with Access, in the precinct setting).

End of Modification to Certified System Summary