

## 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 Voting 2.2.1

### Assessor Information

Assessor and Job Title	M. Santos, Test Manager
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VVSG Req. No.	VVSG Requirement Text	Analysis
<b>Vol: II 1.7.2</b>	<b>Modifications to Certified Systems</b> Changes introduced after the system has completed certified testing will necessitate further review.	
<b>Vol: II 1.7.2.1</b>	<b>General Requirements for Modifications</b> 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 Voting 2.2.1 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 Voting 2.2.1 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 is 1 primary change to Verity Voting 2.2.1. In an <n of m> race (e.g., Vote for Two, Vote for Three), in addition to counting valid individual marks, if unmarked choices affiliated with the Straight Party selection can be counted without ambiguity, up to the total “m” number of valid choices, then those votes are also counted, in addition to the marked choice. However, if there would be ambiguity

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		about which one of the “leftover” choices would be assigned to the Straight Party affiliation, then no Straight Party votes are counted.
c.	Determine that the scope of the changes is substantial and will require a complete retest of the hardware, software, and/or telecommunications	The modification of Straight Party voting, is isolated from most other aspects of the system, Verity Scan will need a complete test effort to its functionality as well as any aspects of Verity Central and Verity Count, which relate to Straight Party voting.
<b>Vol: II</b> <b>1.7.2.1</b>	<b>Basis for Limited Testing Determinations</b> 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 defined and interpreted is not affected. The manner of how voting data is processed (Verity Scan, Verity Central and Verity Count) actual data processing is affected for Straight Party voting.

End of Modification to Certified System Summary