



## Modifications to Certified Systems Summary (VVSG 2005)

The purpose of this form is to assess modifications made to a certified system as mandated by VVSG Volume II, Section 1.7.2 .

### Manufacturer Information

<b>Manufacturer Name</b>	Hart Intercivic
<b>System Under Test</b>	Verity Voting 2.3

### Assessor Information

<b>Assessor and Job Title</b>	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 2.3 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	Analysis of changes implemented to Verity Voting 2.3 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,



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	the TDP, and performance of system level and functional tests	and performance of system level and functional tests.
c.	Determine that the scope of the changes is substantial and will require a complete retest of the hardware, software, and/or telecommunications	The scope of changes is substantial, please see Attachment J – System Modifications.. Determination is for particular testing for each modification, but a complete retest is not required. Please see Attachment G – As Run Hart Verity 2.3 EAC Modification Test Plan.
<b>Vol: II 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. With the introduction of Verity Voting Touch Writer Duo, voting data is processed differently. VV TW Duo produces a Print Vote Record, as opposed to a marked ballot, as does Touch Writer. This has resulted in a modified Verity Voting Scan implemented, such that Verity Scan has two modes, one that can process ballots and one that can process print vote records. Scan cannot process both types simultaneously, rather only one type at a time.

End of Modification of Certified System Analysis