

Elections ACT

Upgrade of eVACS® for the 2020 ACT Legislative Assembly Election

Interface Specification – Voting

**Document Status: Final
Version 1.0
December 2020**



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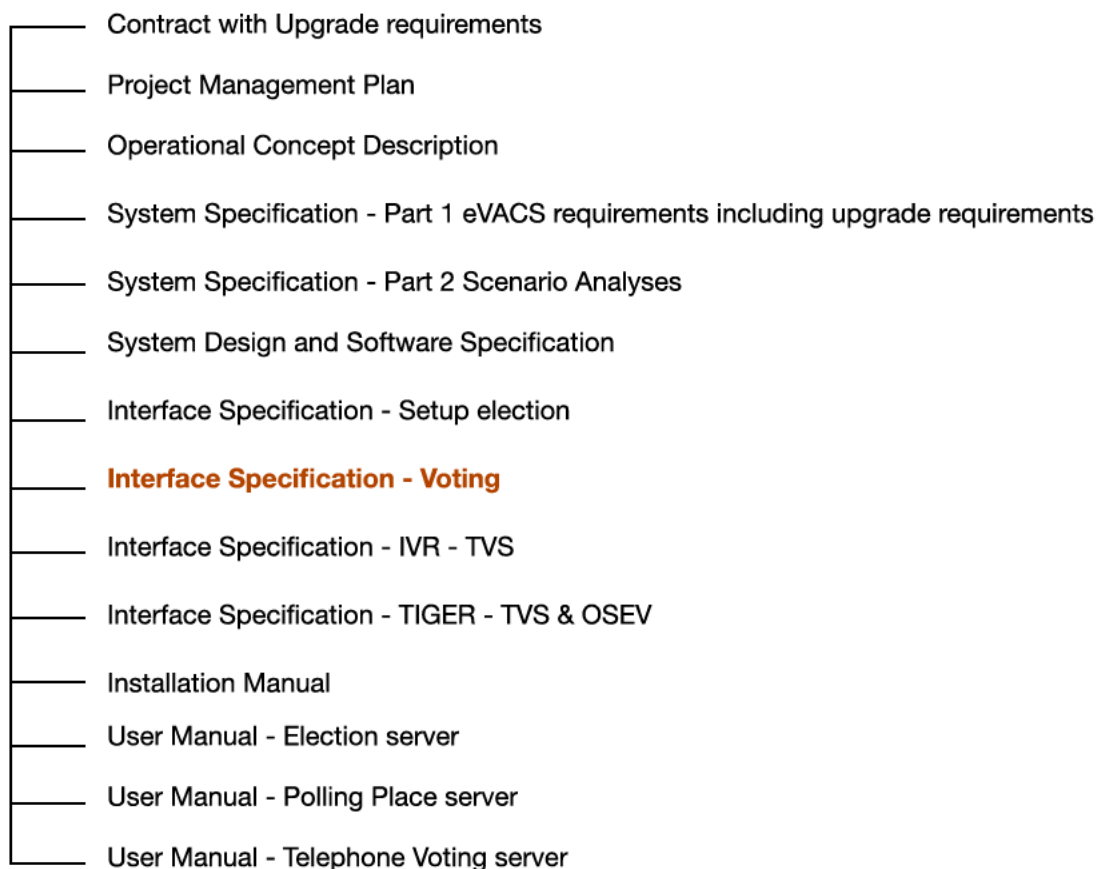
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eVACS®

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Where used in this Interface Specification, eVACS has the same meaning as eVACS®.

eVACS® Upgraded Documentation Tree



Document Control Information

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Modifications

Date of this Revision	Version	Comment	Author	Reviewer	Release
2019-11-15	0.1	Initial Draft	CJB	CVB	
2019-11-24	0.2	Expansion, plus edits after review	CJB		
2020-06-21	0.3	Requirements included	CJB		
2020-12-30	1.0	Details for Data Entry removed from documentation tree	CJB		2021-02-15

Distribution

Name and Appointment	Document Name	Date of Issue	Version
Jiv Sekhon, eVACS Project Manager, EACT	IS Voting Server-Voting Client	2021-02-15	1.0

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1. Introduction

1.1 Document Purpose

This 'Interface Specification – Voting' document contains the requirements to achieve the interface between the Voting Client and Voting Server components of the upgraded eVACS®. The Interface Specification supplements the System Specification, and the System Design and Software Specification documents.

The intended audience of the document is Elections ACT and the eVACS® Upgraded Project Team.

1.2 Referenced documents

In the remainder of the document, a citation of the form [1] is a reference to document 1 listed in this section.

1. Department of Defence, United State of America, Software Development and Documentation, MIL-STD-498, 1994
2. Software Improvements Pty Ltd, eVACS® Systems Specification Parts 1 and 2, 2019
3. Software Improvements Pty Ltd, eVACS® System Design and Software Specification, 2019

1.3 Acronyms

CJB	Carol Boughton
CVB	Clive Boughton
D	Demonstration QM
eVACS/ eVACS®	electronic Voting and Counting System
I	Interface or Inspection if a QM
IRS	Interface Requirements Specification
MA	Master Admin card with QR code
QM	Qualification Method (s)
QR	Quick Response
QR code	QR code is the trademark for a type of matrix barcode, or two-dimensional barcode
SDSS	System Design and Software Specification
SSS	System Specification
VC	Voting Client
VS	Voting Server

1.4 Definitions

Schedule 2.2(a)(xi)



2. Requirements

2.1 Interface identification and diagram

The voting client – voting server interface (I-VC-VS) (Figure 1) supports the Event-Action lists in Part 2 [2], for touch screen voting and the B&VI system.



Figure 1 – Voting Client to Voting Server interface

2.2 I-VC-VS

Schedule 2.2(a)(xi)



Table 3 – Interface requirements cross referenced to SSS requirements

IRS Label	SSS Requirements
IRS-V-R-2.2.1a	SSS-R-A.2-1, SSS-R-A.2-2
IRS-V-R-2.2.1b	SSS-R-A.2-26, SSS-R-A.2-27, SSS-R-A.2-28
IRS-V-R-2.2.2	SSS-R-A.2-3
IRS-V-R-2.2.3	
IRS-V-R-2.2.4	SSS-R-A.2-4
IRS-V-R-2.2.5a	SSS-R-A.2-6, SSS-R-A.2-19
IRS-V-R-2.2.5b	SSS-R-A.2-46
IRS-V-R-2.2.6	SSS-R-A.2-5, SSS-R-A.2-6
IRS-V-R-2.2.7	SSS-R-A.2-5
IRS-V-R-2.2.8	SSS-R-A.2-6
IRS-V-R-2.2.9	SSS-R-A.2-5, SSS-R-A.2-8
IRS-V-R-2.2.10	SSS-R-A.2-5
IRS-V-R-2.2.11	SSS-R-A.2-7, SSS-R-A.2-9
IRS-V-R-2.2.12	SSS-R-A.2-11
IRS-V-R-2.2.13	SSS-R-A.2-17
IRS-V-R-2.2.14	SSS-R-A.2-17
IRS-V-R-2.2.15	SSS-R-A.2-18
IRS-V-R-2.2.16	SSS-R-A.2-21, SSS-R-A.2-22
IRS-V-R-2.2.17	See section 3.4 in Part 1 [2]
IRS-V-R-2.2.18	SSS-R-3.2-70
IRS-V-R-2.2.19	See section 3.4 in Part 1 [2]
IRS-V-R-2.2.20	SSS-R-A.2-29

2.3 Precedence and criticality of requirements

All requirements have equal weight.

3. Qualification provisions

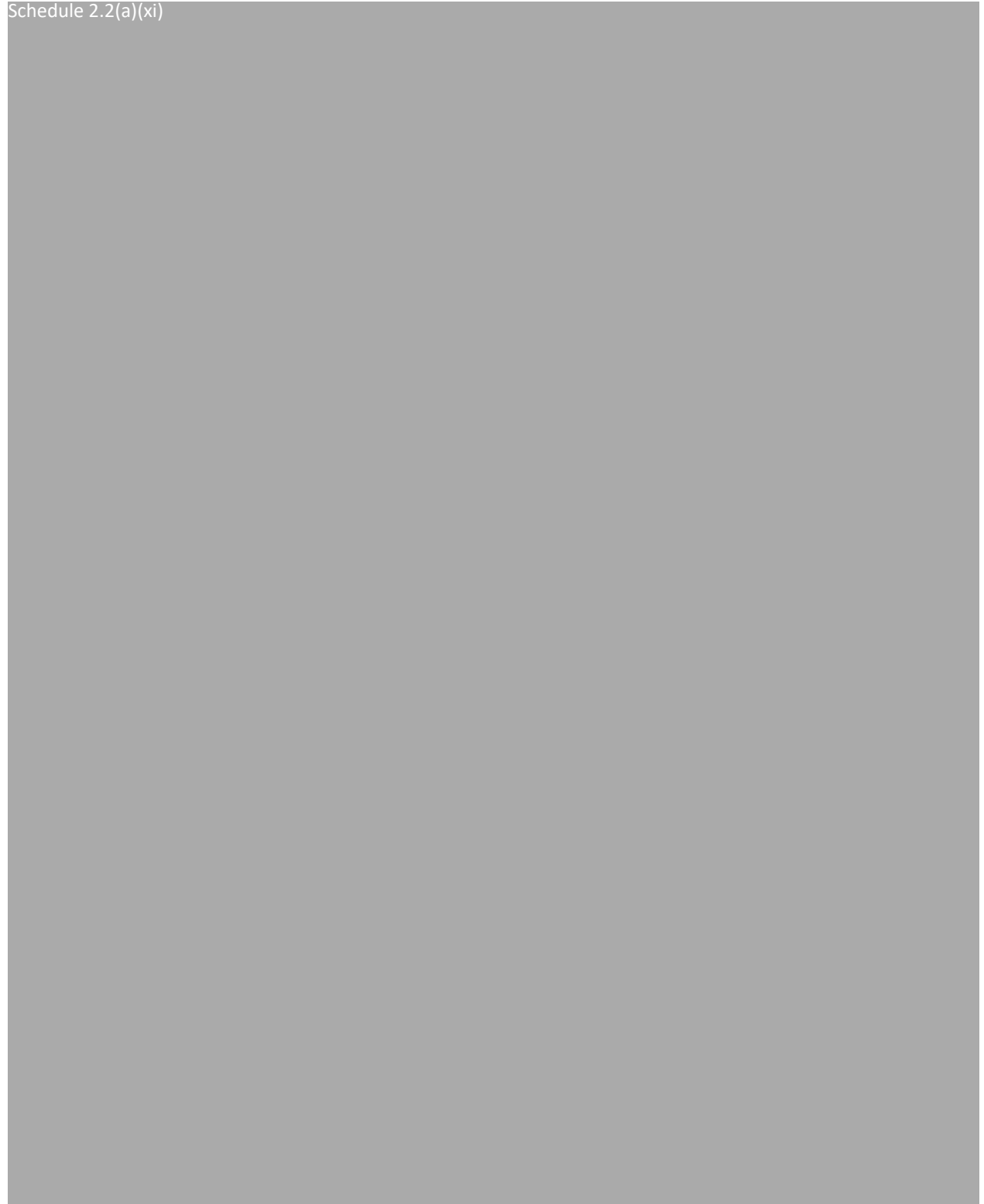
The QM column in Tables 1 and 2 assigns the qualification methods to each requirement to be used to ensure that the requirement has been met.

Qualifications methods used are:

- Demonstration (D): The operation of interfacing entities that relies on observable functional operation not requiring the use of instrumentation, special test equipment, or subsequent analysis.
- Inspection (I): The visual examination of interfacing entities, documentation, etc.

Appendix 1 – List of interface requirements for voting at polling places

Schedule 2.2(a)(xi)



- E N D O F D O C U M E N T -