Volume/Chapter	Status	Necessary Changes
Volume I	No Requirements	
Volume 2 Table of Contents Chapter 1: Introduction 1.1 Scope and Applicability 1.2 Audience Chapter 2: Definitions	Partial	Change VV to voter verifiable
Volume 3		
Chapter 1: Introduction 1.1 Scope and Applicability 1.2 Audience	No Requirements	
Chapter 2: Conformance Clause 2.1 Scope and Applicability 2.2 Structure of Requirements 2.3 Normative Language 2.4 Conformance Designations 2.5 Implementation Statement 2.6 Classes 2.6.1 Voting device terminology 2.6.2 Classes overview 2.6.3 Classes identified in implementation statement 2.6.4 Semantics of classes 2.7 Extensions 2.8 Innovation Class Submissions	Yes	
Chapter 3: Usability, Accessibility, and Privacy Requirements 3.1 Overview 3.1.1 Purpose 3.1.2 Special Terminology 3.1.3 Interaction of Usability and Accessibility Requirements	Partial	Except for: ■ (3.2.2-D) Cast Ballot recommend. ■ Performance Numbers ■ Language consistency on partial vision

3.2 General Usability Requirements 3.2.1 Performance Requirements 3.2.2 Functional Capabilities 3.2.3 Privacy 3.2.4 Cognitive Issues 3.2.5 Perceptual Issues 3.2.6 Interaction Issues 3.2.7 Alternative Languages 3.2.8 Usability for Poll Workers 3.3 Accessibility Requirements 3.3.1 General 3.3.2 Partial Vision 3.3.3 Blindness 3.3.4 Dexterity 3.3.5 Mobility 3.3.6 Hearing 3.3.7 Cognition 3.3.8 English Proficiency 3.3.9 Speech		
Chapter 4: Security and Audit Architecture Requirements 4.1 Introduction/Scope 4.1.1 Auditing Procedures Affect Equipment Requirements 4.2 Requirements for Supporting Auditing Procedures 4.2.1 Pollbook Audit 4.2.2 Hand Audit of Paper Record 4.2.3 Reconciling Machine/Precinct and Final Totals 4.2.4 Spot Parallel Testing 4.2.5 Observational Testing 4.2.6 Full Parallel Testing	Yes	
Chapter 5: Electronic Records Requirements 5.1 Introduction/Scope 5.2 Requirements on Electronic Records and Report 5.2.1 Requirements on All Records Produced by Voting	Yes	To be presented Tuesday

Equipment 5.2.2 Requirements on Records Produced by Voting Machines and Scanners 5.2.3 Requirements on Records Produced by Tabulation Center Computers		
Chapter 6: Voter Verifiable Paper Records Requirements 6.1 Introduction/Scope 6.1.1 Voter Verification and Auditing 6.2 General Requirements on Voter Verified Paper Records 6.3 VVPAT Systems 6.3.1 Introduction and Definitions 6.3.2 VVPAT Components and Definitions 6.3.3 Requirements on VVPAT Printer/Voting Machine Interactions 6.3.4 Protocol of Operation Requirements 6.3.5 Paper Human-Readable CVR Contents 6.3.6 Requirements on Supporting Linking Electronic and Paper CVRs 6.3.7 Paper-Roll VVPAT Privacy and Audit-Support Requirements 6.4 PCOS Systems 6.4.1 Introduction and Scope 6.4.2 Scanner Requirements	Partial	Except for: ■ Cut sheet summaries (6.3.5.1.E) ■ PCOS batching (6.4) ■ Human-machine readable (6.2.B) ■ Changed VVPAT comparison to "IF MACHINE…"
Chapter 7: Cryptography Requirements 7.1 Introduction/Scope 7.1.1 General Cryptographic Implementation 7.1.2 Digital Signature Generation for Audit Records 7.1.3 Key management for audit signature keys 7.1.4 Election Signature Key (ESK)	Yes	
Chapter 8: Setup Validation Requirements 8.1 Introduction/Scope	Yes	

8.2 Background 8.2.1 Inspection of software installed on voting equipment 8.2.2 Inspection of voting equipment registers and variables 8.2.3 Inspection of the voting system's other properties 8.2.4 Personnel and logistics of voting equipment inspections 8.3 Voting equipment setup validation requirements 8.3.1 Voting equipment setup validation process requirement 8.3.2 Voting equipment software inspection requirements 8.3.3 Voting equipment register and variable inspection requirements 8.3.4 Voting equipment properties inspection requirements 8.3.5 References		
Chapter 9: Software Distribution and Installation Requirements 9.1 Introduction/Scope 9.2 Background 9.2.1 Types of voting system software 9.2.2 Distribution of voting system software 9.3 Software Distribution Requirements 9.3.1 General Documentation Requirements 9.3.2 Software Distribution Package Requirements 9.3.3 Voting System Software Build Requirements 9.3.4 Voting System Test Laboratories (VSTL) Software Distribution Packages 9.3.5 Repository Software Distribution Packages 9.3.6 Jurisdiction Software Distribution Packages 9.4 Software Installation Requirements 9.5 References	Partial	Except for: ■ Placement of 9.3.3 – 9.3.6 ■
Chapter 10: Access Control Requirements 10.1 Introduction/Scope	Partial	Except for: ■ Limited operating systems

10.2 Access control requirements 10.2.1 General access control requirements 10.2.2 Access control documentation requirements 10.2.3 Access control identification requirements 10.2.4 Access control authentication requirements 10.2.5 Access control authorization requirements 10.2.6 Remote access control enforcement requirements		■
Chapter 11: System Integrity Management Requirements 1.1 Introduction/Scope 1.2.1 Error Condition Requirements 1.2.2 Electronic Device Requirements 1.2.3 Removable Media Requirements 1.2.4 Backup and Recovery Requirements 1.2.5 Malicious Software Protection Requirements 1.2.6 References	No	Need vote on general direction
Chapter 12: Communications Requirements 1.2 Introduction/Scope 1.3 Communication Security Requirements 1.2.1 Physical Communication Security Requirements 1.2.2 Data Transmission Security Requirements 1.2.3 Logical Communication Security Requirements 1.2.4 References	No	Need vote on general direction
Chapter 13: System Event Logging Requirements 13.1 Introduction/Scope 13.2 System Event Logging Requirements 13.2.1 General System Event Logging Requirements 13.2.2 System Event Logging Documentation Requirements 13.2.3 System Event Log Management Requirements 13.2.4 System Event Log Protection Requirements 13.2.5 References	Yes	
Chapter 14: Physical Security Requirements	No	

14.1 Introduction/Scope 14.2 Physical Security Requirements for Voting Systems 14.3 References:		
Chapter 15: Security Documentation Requirements 15.1 Introduction/Scope 15.2 Security documentation requirements 15.2.1 General security documentation requirements 15.2.2 Access control documentation requirements 15.2.3 XYZ documentation requirements	Yes (Partial)	How much is public
Chapter 16: General Requirements 16.1 General Design Requirements 16.2 Voting Variations 16.3 Hardware and Software Performance, General Requirements 16.3.1 Reliability 16.3.2 Accuracy/error rate 16.3.3 Electromagnetic Compatibility (EMC) Immunity 16.3.4 Electromagnetic Compatibility (EMC) Emission Limits 16.3.5 Other Requirements 16.4 Workmanship 16.4.1 Software engineering practices 16.4.2 Quality assurance and configuration management 16.4.3 General build quality 16.4.4 Durability 16.4.5 Maintainability 16.4.6 Temperature and humidity 16.4.7 Equipment transportation and storage 16.5 Archival Requirements 16.5.1 Archivalness of media 16.5.2 Procedures required for correct system functioning 16.5.3 Period of retention (informative) 16.6 Integratability	Yes (Partial)	Misfeeds for EBMs Moved from Chapter 17

Chapter 17: Requirements by Voting Activity 17.1 Election Programming 17.2 Ballot Preparation, Formatting, and Production 17.2.1 Procedures required for correct system functioning 17.3 Equipment Preparation 17.4 Equipment Setup for Security and Integrity 17.4.1 Setup for end-to-end cryptographic systems 17.4.2 Logic and accuracy testing 17.4.3 Setup validation 17.4.4 Procedures required for correct system functioning 17.5 Opening Polls 17.6 Casting 17.6.1 Ballot activation 17.6.2 General voting functionality 17.6.3 Voting variations 17.6.4 Recording votes 17.6.5 Redundant records 17.6.6 Respecting limits 17.6.7 Procedures required for correct system functioning 17.7 Closing Polls 17.7.1 Procedures required for correct system functioning 17.8 Counting 17.8.1 Integrity 17.8.2 Voting variations 17.8.3 Ballot separation 17.8.4 Misfed ballots 17.8.5 Accuracy 17.8.6 Consolidation 17.8.7 Procedures required for correct system functioning 17.9 Reporting 17.9.1 General reporting functionality 17.9.2 Audit, status, and readiness reports 17.9.3 Vote data reports 17.9.4 Procedures required for correct system functioning	Yes	

Chapter 18: Reference Models 18.1 Process Model (informative) 18.1.1 Introduction 18.1.2 Diagrams 18.1.3 Translation of diagrams 18.2 Vote-Capture Device State Model (informative) 18.3 Logic Model (normative) 18.3.1 Domain of discourse 18.3.2 General constraints 18.3.3 Cumulative voting 18.3.4 N of M contests (including 1-of-M) 18.4 Role Model	Yes	18.4 currently in Access Chapter
Volume 4	Yes	Some material to be moved from other chapters
Chapter 1: Introduction 1.1 Scope and Applicability 1.2 Audience		
Chapter 2: Quality Assurance and Configuration Management Data Package (vendor) 2.1 Quality and Configuration Management Manual		
Chapter 3: Technical Data Package (vendor) 3.1 Scope 3.1.1 Content and format 3.1.2 Other uses for documentation 3.1.3 Protection of proprietary information 3.2 Implementation Statement 3.3 System Hardware Specification 3.3.1 System hardware characteristics 3.3.2 Design and construction 3.3.3 Hardwired logic 3.4 Application Logic Design and Specification 3.4.1 Purpose and scope		

3.4.2 Applicable documents 3.4.3 Application logic overview 3.4.4 Application logic standards and conventions 3.4.5 Application logic operating environment 3.4.6 Application logic functional specification 3.4.7 Programming specifications 3.4.8 System database 3.4.9 Interfaces 3.4.10 Appendices 3.5 System Security Specifications 3.6 System Test and Verification Specification 3.6.1 Development test specifications 3.6.2 National certification test specifications 3.7 System Change Notes 3.8 Configuration for Testing		
Chapter 4: Voting Equipment User Documentation (vendor) 4.1 System Overview 4.1.1 System description 4.1.2 System performance 4.2 System Functionality Description 4.3 System Security Specification 4.4 System Operations Manual 4.4.1 Introduction 4.4.2 Operational environment 4.4.3 System installation and test specification 4.4.4 Operational features 4.4.5 Operating procedures 4.4.6 Documentation for poll workers 4.4.7 Operations support 4.4.8 Transportation and storage 4.4.9 Appendices 4.5 System Maintenance Manual 4.5.1 Introduction		

4.5.2 Maintenance procedures 4.5.3 Maintenance equipment 4.5.4 Parts and materials 4.5.5 Maintenance facilities and support 4.5.6 Appendices 4.6 Personnel Deployment and Training Requirements 4.6.1 Personnel 4.6.2 Training		
Chapter 5: Certification Test Plan (test lab) 5.1 Requirements		
Chapter 6: Test Report for Certification Authority (test lab) 6.1 Requirements		
Chapter 7: Public Information Package (test lab) 7.1 Requirements		
Volume 5	Yes	Will add in “shake and bake” Needs 5.4 and 5.5
Chapter 1: Introduction 1.1 Scope and Applicability 1.2 Audience		
Chapter 2: Conformity Assessment Process 2.1 Overview 2.2 Rules of Engagement 2.3 Scope of Assessment 2.4 Testing Sequence 2.5 Pre-Test Activities 2.5.1 Initiation of testing 2.5.2 Pre-test preparation 2.6 Certification Testing 2.6.1 Certification test plan		

2.6.2 Certification test conditions 2.6.3 Certification test fixtures 2.6.4 Certification test data requirements 2.6.5 Certification test practices 2.7 Post-Test Activities 2.7.1 Witness of final system build 2.7.2 Final test report 2.8 Resolution of Testing Issues		
Chapter 3: Introduction to General Testing Approaches 3.1 Inspection 3.2 Functional Testing 3.3 Performance Testing (Benchmarking) 3.4 Vulnerability Testing		
Chapter 4: Documentation and Design Reviews (Inspections) 4.1 Initial Review of Documentation 4.2 Physical Configuration Audit 4.3 Verification of Design Requirements 4.4 Vendor Practices for Quality Assurance and Configuration Management 4.4.1 Examination of Quality Assurance and Configuration Management Data Package 4.4.2 Examination of Voting Systems Submitted for Testing 4.5 Accessibility 4.6 Source Code Review 4.6.1 Workmanship 4.6.2 Security 4.7 Logic Verification		
Chapter 5: Test Methods 5.1 Hardware 5.1.1 Electromagnetic Compatibility (EMC) Immunity 5.1.2 Electromagnetic Compatibility (EMC) Emissions Limits		

5.1.3 Other (non-EMC) Industry-mandated Requirements 5.2 Functional Testing 5.2.1 General guidelines 5.2.2 Structural coverage (white box testing) 5.2.3 Functional coverage (black box testing) 5.2.4 Security coverage 5.3 Benchmarks 5.3.1 General method 5.3.2 Reliability 5.3.3 Accuracy 5.3.4 Probability of misfeed 5.4 Usability (Performance-Based Testing) 5.5 Open-Ended Vulnerability Testing		