## **Contents**

Note: Names following chapter titles are the currently-assigned writers; percentages following writer names are very rough estimates of the approximate percentage of completion. Some material factored into the percentages may not yet appear in the generated report because it needs to be brought in from external sources.

	List	of To Do	Items	4	
1	Exec	cutive Su	ummary (Joe K./Susan) (0%)	5	
2	Introduction (Joe K./Susan) (25%)				
	2.1	The E2I	E VIV Project	6	
	2.2	Goals	·	6	
	2.3	People		6	
	2.4	Method	ology	6	
	2.5	Outcom	ie	6	
	2.6	Next St	eps	6	
3	Rem	ote Voti	ng (Philip) (30%)	7	
•	3.1		le	7	
	5.1		Geographic Dispersion	7	
			Accessibility	7	
			UOCAVA	7	
			Early Voting	7	
			Expectations	7	
	3.2			7	
	3.3	•	Practice	7	
	0.0		Integration with Local Elections	7	
	3.4		mings of Current Practice	7	
			Use of Communication/Internet	7	
			Accessibility and Usability	7	
			Auditing	7	
4	ESE	WIW Ex	plained (Philip/Daniel/Adam) (25%)	8	
4	E2E VIV Explained (Philip/Daniel/Adam) (25%) 4.1 IV, VIV, E2E				
	4.2			8	
			Pre-Election Phase	8	
			Voting	8	
			Post-Election Phase	8	
	4.3		mings and Expectations of E2EVIV	8	
	1.5		Access to Communication/Internet	8	
			Accessibility	8	
			Usability	8	
			Company	U	

	4.4 4.5	E2E VIV in Practice	8 8
5	Rea	red Properties of E2E Systems (Dan) (100%)	9
	5.1	Fechnical Requirements	9
		5.1.1 Functional	9
		5.1.2 Usability	10
		5.1.3 Accessibility	11
		5.1.4 Security and Authentication	11
		5.1.5 Auditing	12
		5.1.6 System Operational	13
		5.1.7 Reliability	13
		5.1.8 Interoperability	14
		5.1.9 Certification	14
	5.2	Non-functional Requirements	14
		5.2.1 Operational	14
		5.2.2 Procedural	16
		5.2.3 Legal	16
		5.2.4 Assurance	17
		5.2.5 Maintenance and Evolvability	17
	~		40
6		o Specification (Joe K./Dan) (15%)	18
	6.1	deal Functionality of an E2E System— $\mathcal{F}_{e2e}$	18
		$\mathcal{F}_{e2e}$	20
		Security Properties Not Captured by $\mathcal{F}_{e2e}$	20
7	Arcl	tecture (Joe K./Dan) (15%)	21
8	Syst	n Specification (Joe K./Dan) (15%)	22
	Veri	cation and Validation (Joe K./Dan/Adam) (20%)	23
	<b>Veri</b> 9.1	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios	<b>23</b> 23
	<b>Veri</b> 9.1 9.2	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios	23 23 23
	Veri 9.1 9.2 9.3	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies	23 23 23 23
	<b>Veri</b> 9.1 9.2	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios	23 23 23
8 9	Veri 9.1 9.2 9.3 9.4	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Cechnologies Interpreting Results	23 23 23 23 23
9	Veri 9.1 9.2 9.3 9.4 Feas	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies Interpreting Results  Dility (Unassigned) (25%)	23 23 23 23 23 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies Interpreting Results  folity (Unassigned) (25%) Fhreats and Security Risks	23 23 23 23 23 24 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies Interpreting Results  Solity (Unassigned) (25%) Fhreats and Security Risks Availability	23 23 23 23 23 24 24 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies Interpreting Results Fility (Unassigned) (25%) Threats and Security Risks Availability Usability	23 23 23 23 23 24 24 24 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Technologies Interpreting Results Dility (Unassigned) (25%) Threats and Security Risks Availability Usability Legal Frameworks and Politics	23 23 23 23 24 24 24 24 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Technologies Interpreting Results  Dility (Unassigned) (25%) Threats and Security Risks Availability Usability Legal Frameworks and Politics LEO Considerations	23 23 23 23 23 24 24 24 24 24 24 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Technologies Interpreting Results  folity (Unassigned) (25%) Threats and Security Risks Availability Usability Usability Legal Frameworks and Politics LEO Considerations Cost	23 23 23 23 24 24 24 24 24 24 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies Interpreting Results  folity (Unassigned) (25%) Fhreats and Security Risks Availability Usability Usability Legal Frameworks and Politics LEO Considerations Cost 10.6.1 Design and Development	23 23 23 23 23 24 24 24 24 24 24 24 24 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies Interpreting Results  folity (Unassigned) (25%) Fhreats and Security Risks Availability Usability Usability Legal Frameworks and Politics LEO Considerations Cost 10.6.1 Design and Development 10.6.2 Operational	23 23 23 23 23 24 24 24 24 24 24 24 24 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies Interpreting Results  folity (Unassigned) (25%) Fhreats and Security Risks Availability Usability Usability Legal Frameworks and Politics LEO Considerations Cost 10.6.1 Design and Development	23 23 23 23 23 24 24 24 24 24 24 24 24 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies Interpreting Results  folity (Unassigned) (25%) Fhreats and Security Risks Availability Usability Usability Legal Frameworks and Politics LEO Considerations Cost 10.6.1 Design and Development 10.6.2 Operational 10.6.3 Integration with Local Election Systems and Processes  usion (Joe K./Susan) (0%)	23 23 23 23 23 24 24 24 24 24 24 24 24 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies Interpreting Results  colity (Unassigned) (25%) Fhreats and Security Risks Availability Usability Usability Legal Frameworks and Politics LEO Considerations Cost 10.6.1 Design and Development 10.6.2 Operational 10.6.3 Integration with Local Election Systems and Processes	23 23 23 23 23 24 24 24 24 24 24 24 24 24 24
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5 10.6	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies Interpreting Results  folity (Unassigned) (25%) Fhreats and Security Risks Availability Usability Usability Legal Frameworks and Politics LEO Considerations Cost 10.6.1 Design and Development 10.6.2 Operational 10.6.3 Integration with Local Election Systems and Processes  usion (Joe K./Susan) (0%)	23 23 23 23 24 24 24 24 24 24 24 24 25 25 25
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5 10.6	cation and Validation (Joe K./Dan/Adam) (20%) Requirements and Scenarios Methodology Fechnologies Interpreting Results  folity (Unassigned) (25%) Intreast and Security Risks Availability Usability Usability Legal Frameworks and Politics LEO Considerations Cost I0.6.1 Design and Development I0.6.2 Operational I0.6.3 Integration with Local Election Systems and Processes  usion (Joe K./Susan) (0%) Results Recommendation (YES or NO???) Next Steps	23 23 23 23 24 24 24 24 24 24 24 25 25 25 25
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5 10.6	Requirements and Scenarios Methodology Fechnologies Interpreting Results  Mility (Unassigned) (25%) Fhreats and Security Risks Availability Usability Usabil	23 23 23 23 24 24 24 24 24 24 24 25 25 25 25 25
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5 10.6	Requirements and Scenarios Methodology Fechnologies Interpreting Results  Mility (Unassigned) (25%) Fhreats and Security Risks Availability Usability Usabil	23 23 23 23 24 24 24 24 24 24 24 24 25 25 25 25 25
9	Veri 9.1 9.2 9.3 9.4 Feas 10.1 10.2 10.3 10.4 10.5 10.6	Requirements and Scenarios Methodology Fechnologies Interpreting Results  Mility (Unassigned) (25%) Fhreats and Security Risks Availability Usability Usabil	23 23 23 23 24 24 24 24 24 24 24 25 25 25 25 25