

Traceability Matrix Phase 2

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Appendix A and A(2) Category				Business Case	Appendix S - System Requirements and Testing
1.0 TECHNICAL	1.1 Technology	1.1.1 Narrowband Radio Equipment		1.3 2.2.2 3.2 3.3.1 3.6.1.2 4.1.2 4.3.1 4.3.2.1 4.4.5 Exh 3.1 Exh 4.1	3.1.1
		1.1.2 APCO Project 25	1.1.2.1 P25 Phase I	1.3 3.1.1 3.2 3.3.1 3.6 3.7 4.1.1 4.1.2 4.3.2 4.4.4 4.4.6 4.5.1 4.5.2 4.8.1 4.8.2-3 5.1 5.1-4 Exh 3.1 Exh 3.6 Exh 4.1	3.1 3.1.2 3.10 Table 1 - 6.1 (see also Appendix R)
			1.1.2.2 P25 Phase II	4.4.4 4.4.6 4.8.2-3	3.1.2 Table 1 - 1.2

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Appendix A and A(2) Category				Business Case	Appendix S - System Requirements and Testing	
		1.1.2.3 High-speed data		1.4 3.3.6.1-2 3.3.6.1-3 4.3.1 4.3.1.2 4.4.2 4.4.6 Exh 3.1 Exh 4.1	3.1.2 3.7 Table 1 - 7.1, 7.2 4.7	
		1.1.3 Analog/Digital Capability		3.3.1 4.1.1-2 4.1.2 4.3.1 4.7.1 4.9.9 5.1 Exh 4.1	3.1.1 3.1.2 3.10 3.12 Table 1 - 10.2 4.4.3 4.4.5	
	1.2 Site Infrastructure	1.2.1 Procedures		4.3.3.1	3.5 3.6 3.9 3.10 3.11 3.12.2 4.5 5.0-1	
		1.2.2 Power	1.2.2.1 Generators		3.3.2-7 3.3.3-1 3.3.3-6 3.5 Exh 3.3 Exh 3.4	5.0-2
			1.2.2.2 Fuel Capacity		3.3.2-2 3.3.3-1	5.0-2b
	1.2.2.3 UPS		3.3.4-4 Exh 3.3 Exh 3.4 Exh 3.5 Exh 3.6 Exh 4.1	5.0-2c		

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Appendix A and A(2) Category			Business Case	Appendix S - System Requirements and Testing	
		1.2.3 Physical Structures	1.2.3.1 Towers	1.4.2 2.2.2 2.2.3 3.3.2-5 3.3.3-4 3.4.1 3.4.2 4.3.2.2 4.3.4 4.4.1 4.6.1 Exh 3.2 Exh 3.3 Exh 3.4 Exh 3.5	Table 1 - 1.1 Table 1 - 2.1 Table 1 - 3.1 4.2 4.6 4.6.1 4.6.2 5.0-3a
			1.2.3.2 Grounding	3.3.2-4 3.3.3-3 Exh 3.3 Exh 3.4 Exh 3.5	Table 1 - 1.1 4.6 4.6.1 4.6.2 5.0-3b
			1.2.3.3 Shelters	3.3.2-6 3.3.3-5 Exh 3.3 Exh 3.4 Exh 3.5 4.3.4	Table 1 - 1.1 Table 1 - 2.1 Table 1 - 3.1 4.0 4.2 4.6 4.6.1 4.6.2 5.0-3c
		1.2.4 Physical Security	1.2.4.1 Building Security	4.3.4 Exh 3.3 Exh 3.4 Exh 3.5	3.6 3.9 5.0-4a
			1.2.4.2 Site Security	1.4.1 3.3.4 4.3.4 Exh 3.3 Exh 3.4 Exh 3.5	3.6 3.9 5.0-4b

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		1.2.5 Environmental	3.3.2-8 3.3.3-7 Exh 3.3 Exh 3.4 Exh 3.5	4.2 5.0-5
	1.3 Systemwide Reliability	1.3.1 Backbone Network Reliability	1.4.1 3.3.2-9 3.3.3-8 4.8.1 4.9.7 Exh 3.3 Exh 3.4 Exh 3.5	3.2 4.4.2 4.5.2 4.4 4.4.1 4.5 5.0-6
		1.3.2 Network Control Reliability	3.3.4-6 3.3.5 4.3.2 4.3.3.1 4.8.1 4.8.2-2 4.8.2-3 5.1-9 Exh 3.3 Exh 3.4 Exh 3.5	3.1.1 3.5 3.8 3.10 Table 1- 5.1 Table 1- 5.2 4.4 4.4.5 4.4.6 4.5
2.0 FUNCTIONAL	2.1 Low-speed Applications	2.1.1 Text Messaging	3.3.1-15 3.3.6.2-5 3.3.6.2-7	3.6 3.8
		2.1.2 Voice Mail	-	
		2.1.3 Database Queries	3.3.6.2-13 4.7.2.3 4.8.1 OCD 7	3.6 4.6.1
		2.1.4 Casual Use	1.4.1 3.3.1-3 3.3.6.2-1 Exh 4.1	3.9 Table 1- 9.1 Table 1- 9.2
		2.1.5 Emergency Button	2.2.4-6 3.3.1-7 Exh 4.1	3.10

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		2.1.6 Paging		1.4 2.2.4-8 3.3.6.1-4 4.4.2 Exh 4.1	3.8 Table 1 - 8.1 Table 1 - 8.2
	2.2 High-Speed Data	2.2.1 Mobile Video		1.4 2.2.4-4 3.3.6.1-2 4.3.1.2 4.3.2.4 4.3.4 4.4.2 4.4.6 Exh 4.1	
		2.2.2 Intranet/Internet Access		3.1.1 3.1.2-4 3.3.6.1-3 4.3.1.2 4.4.6	
	2.3 Transmission Security	2.3.1 Encryption		1.4.1 2.2.4-5 3.1.1 3.1.3 3.3.1-7 3.3.4-7 3.3.6.2-3 4.1.1-9 4.1.2 4.3.2 4.6.1-10 5.1-9 Exh 3.3 Exh 3.4 Exh 3.5 Exh 3.6 Exh 4.1 OCD 2 OCD 3 OCD 4 OCD 5 OCD 7	3.1.2 3.10 3.12.2

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Appendix A and A(2) Category				Business Case	Appendix S - System Requirements and Testing
		2.3.2 User Identification		1.4.1 2.2.4-3 3.3.1-4 4.1.1 Exh 4.1 OCD 3 OCD 7W	3.10
	2.4 Computer Interfaces	2.4.1 AVL		1.4.1 2.2.4-2 3.3.1 3.3.4-2 3.3.6.2-4 4.1.1-9 5.1-9 Exh 3.3 Exh 3.4 Exh 3.5 Exh 3.6 Exh 4.1 OCD 1W OCD 2W OCD 3 OCD 4W OCD 6aW OCD 7W	3.10
		2.4.2 Card Inputs		2.2.4-4 3.3.1-5 3.3.6.2-2	3.6
		2.4.3 Printing		-	3.6

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Appendix A and A(2) Category				Business Case	Appendix S - System Requirements and Testing
3.0 COVERAGE	3.1 Mobile Coverage			1.4.1 2.2.1 2.2.3 3.3.1-14 3.3.6.2-6 3.4.1 3.4.2 3.5 3.7 4.1.1 4.1.2 4.3.2 4.3.2.2 4.4.1 4.4.2 4.8.1 4.8.3 4.9.7 4.9.8-5 4.9.8-6 4.9.9 5.1-10 Exh 3.2 Exh 3.9 Exh 4.1	3.2 3.12.2 4.0 4.5.2 4.7 4.7.1 Table 1 - 2.1 Table 1 - 2.2
	3.2 Portable Coverage	3.2.1 Limited Area Portable Coverage		1.4.1 2.2.1 3.3.4-8 4.1.1 4.4.2 4.6.1-10 4.8.1 4.8.3 5.1-11 Exh 3.2 Exh 3.3 Exh 3.4 Exh 3.5 OCD 6a OCD 6aW	3.3 3.12.2 4.0 Table 1 - 3.1 Table 1 - 3.2 4.7 4.7.1 4.7.2 4.7.3 4.7.3.1 4.7.3.2 4.7.3.3 4.7.3.4 4.9

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Appendix A and A(2) Category			Business Case	Appendix S - System Requirements and Testing
		3.2.2 Statewide Portable Coverage	2.2.1 3.1.1 3.3.6.2-1 4.4.2 4.6.1-10 4.8.3 Exh 3.2 Exh 4.1 OCD 6a OCD 6aW	3.3 4.0 4.7 4.7.1 4.7.2 4.7.3 4.7.3.1 4.7.3.2 4.7.3.3 4.7.3.4 4.8 4.8.2 4.9
		3.2.3 In-Building Portable Coverage	1.4 2.2.1 3.3.6.1-5 4.4.2 4.6.1-10 4.8.3 Exh 3.2 Exh 4.1 OCD 6a OCD 6aW	3.4 3.12.2 4.0 4.7 4.7.1 4.7.2 4.7.3 4.7.3.1 4.7.3.2 4.7.3.3 4.7.3.4 4.8 4.8.2 4.9 Table 1 - 4.1 Table 1 - 4.2
	3.3 Roaming		1.4.1 2.2.4-7 2.2.4-9 3.3.1-10 4.6.1-11 Exh 4.1	3.11 4.8.2 Table 1 - 11.1 Table 1 - 11.2

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Appendix A and A(2) Category				Business Case	Appendix S - System Requirements and Testing
4.0 INTEROPERABILITY	4.1 Intrastate Interoperability	4.1.1 Day-to-Day Interoperability	4.1.1.1 Statewide Interoperability	1.2 1.3 1.4 1.4.1 2.2.1 2.2.4 3.1.1 3.3 3.3.1-1 3.3.1-11 3.6.3.4 3.7 4.1.1 4.1.2 4.3.1.1 4.3.3 4.3.3.1 4.3.3.5 4.5.1 4.5.2 4.6.1-1 4.6.3 4.7.1 4.7.7.2 4.8.1 4.8.2 4.9.9 5.1-1 5.2 Exh 3.2 Exh 4.1 Exh 4.2 Exh 4.3 OCD 1W OCD 2W OCD 3 OCD 5W OCD 7W	3.11 3.12.1 3.12.6 4.0 4.8 Table 1 - 12.1 Table 1 - 12.2

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Appendix A and A(2) Category				Business Case	Appendix S - System Requirements and Testing
			4.1.1.2 Local Interoperability	See 4.1.1.1	3.11 3.12.1 3.12.2 3.12.6 4.0 4.8 Table 1 - 12.1 Table 1 - 12.2
			4.1.1.3 Regional Interoperability	See 4.1.1.1	3.11 3.12.6 4.0 4.8 Table 1 - 12.1 Table 1 - 12.2
			4.1.1.4 State Interoperability	See 4.1.1.1	3.11 3.12.3 3.12.6 4.0 4.8 Table 1 - 12.1 Table 1 - 12.2
			4.1.1.5 Federal Interoperability	See 4.1.1.1	3.12.6 4.0 4.8 Table 1 - 12.1 Table 1 - 12.2
		4.1.2 Exclusivity		Exh 4.3	3.12.4 3.12.6
	4.2 Interstate Interoperability	4.2.1 State Networks		See 4.1.1.1	3.12.3
		4.2.2 Local Networks		See 4.1.1.1	

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Appendix A and A(2) Category				Business Case	Appendix S - System Requirements and Testing
5.0 OPERATIONAL	5.1 Improved Capacity	5.1.1 Additional Channels		1.3 2.2.1 2.2.4 3.1.1 3.3.1-1 3.3.1-9 4.1.1-4 4.1.2 4.3.1 4.3.1.1 4.3.2.1 4.4.6 4.6.1-12 4.6.1-13 4.7.1 4.8.2-4 4.9.9 5.1-8 5.1-9 Exh 4.1 Exh 4.3 OCD 7	3.13 Table 1 - 13.1 Table 1 - 13.2
		5.1.2 Channel Efficiency		2.2.1 3.1.1 3.3.1-1 3.3.1-8 4.1.1-11 4.1.2 4.3.1 4.3.1.1 4.3.2.1 4.4.3 4.4.5 4.4.6 4.6.1-13 4.7.1 4.8.2-4 4.9.9 5.1-8 Exh 4.1 Exh 4.3 OCD 1W OCD 5W OCD 6 OCD 7	3.13 4.4.2 4.4.5 4.5.2 Table 1 - 13.1 Table 1 - 13.2

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Appendix A and A(2) Category			Business Case	Appendix S - System Requirements and Testing
	5.2 Upgrade Philosophy	5.2.1 During System Upgrades	3.3.2.1-3 3.3.2.1-4 3.3.2.1-5 3.3.2.1-6 3.4.1 3.5 3.6.1.2 4.1.1-3 4.1.1-10 4.1.1-13 4.4.6 4.9.9 Exh 4.1	5.0-1
		5.2.2 Short-term	3.3.2.1-3 3.3.2.1-4 3.3.2.1-5 3.3.2.1-6 3.3.2-5 3.5 3.6.1.2 3.6.3.4 4.9.9 Exh 3.3 Exh 3.7 Exh 3.11	5.0-1