

## Traceability Matrix: Requirements to System Design Elements

Based on system architect & designer's interpretation of sources: *database\_dump.json*, 2025-12-05, 21:48, and  
System Design Description (CE-04, version 2.0)

goals			drone_swarm_requirements			system_requirements			subsystem_requirements		
ID	Sections	Diagrams	ID	Sections	Diagrams	ID	Sections	Diagrams	ID	Sections	Diagrams
G-01	3.6, 4.3, 4.4.1, 4.4.3, 4.4.4, 4.4.5, 4.4.6, 4.4.7, 4.4.8, 4.4.9, 4.4.10, 4.4.11, 5.2.1, 5.2.2, 5.2.3, 5.4.1, 5.5.1, 5.5.2, 5.5.3, 5.7, 5.8, 6.3.1, 6.3.2, 6.3.3, 6.4, 6.5.1, 6.5.2, 6.6, 6.8.1, 6.8.2, 7.4.2, 7.5, 7.6.1, 7.6.2, 7.9, 8.1, 8.2.1, 8.2.2, 8.2.3, 8.3, 8.4, 8.4.1	SD-03, SD-05, SD-06, SD-07, SD-08, SD-17, SD-18, SD-19, SD-20, SD-22, SD-23, SD-24, SD-25, SD-26, SD-27, SD-28, SD-29, SD-30	SW-01	3.6, 4.3, 4.4.1, 4.4.3, 4.4.4, 4.4.5, 4.4.6, 4.4.7, 4.4.8, 4.4.9, 4.4.10, 4.4.11, 5.2.1, 5.2.2, 5.2.3, 5.4.1, 5.5.1, 5.5.2, 5.5.3, 5.7, 5.8, 6.3.1, 6.3.2, 6.3.3, 6.4, 6.5.1, 6.5.2, 6.6, 6.8.1, 6.8.2, 7.4.2, 7.5, 7.6.1, 7.6.2, 7.9, 8.1, 8.2.1, 8.2.2, 8.2.3, 8.3, 8.4, 8.4.1	SD-03, SD-05, SD-06, SD-07, SD-08, SD-17, SD-18, SD-19, SD-20, SD-22, SD-23, SD-24, SD-25, SD-26, SD-27, SD-28, SD-29, SD-30	PM-01	3.6, 4.3, 4.4.5, 4.4.6, 4.4.7, 4.4.8, 4.4.9, 4.4.10, 4.4.11, 5.2.1, 5.2.2, 5.2.3, 5.5.1, 5.5.3, 6.3.1, 6.3.2, 6.4, 6.5.1, 6.8.1, 6.8.2, 7.4.2, 7.5, 7.6.1, 7.6.2, 7.9, 8.3, 8.4.1	SD-22, SD-30, SD-23, SD-24, SD-25, SD-17, SD-19, SD-28, SD-18, SD-26, SD-27	CON-01		
G-02			SW-02			PM-02	4.3, 4.4.1, 4.4.3, 4.4.4, 4.4.5, 4.4.6, 4.4.7, 4.4.10, 4.4.11, 5.2.1, 5.2.3, 5.5.1, 5.5.2, 5.8, 6.3.2, 6.4, 7.4.2, 7.5, 7.9, 8.3	SD-03, SD-20, SD-29, SD-22, SD-30, SD-23, SD-25, SD-17, SD-19, SD-28,	CON-02		
G-03			SW-03			PM-03	3.6, 4.3, 4.4.3, 4.4.5, 4.4.9, 5.5.1, 5.8, 6.3.3, 6.4, 6.5.2, 6.8.1, 7.4.2, 7.5, 7.9, 8.1, 8.2.1, 8.2.2, 8.2.3, 8.4	SD-20, SD-22, SD-17, SD-19, SD-28,	CON-03		
G-04			SW-04			PM-04	4.3, 4.4.8, 4.4.9, 4.4.11, 5.2.1, 5.4.1, 6.3.1, 6.4, 6.5.1, 6.8.1, 7.6.1, 8.3, 8.4.1	SD-17, SD-18, SD-26, SD-27	CON-04		
G-05			SW-05			PM-05	5.5.3, 5.7, 8.4.1	SD-05, SD-06, SD-07, SD-08, SD-18, SD-26, SD-27	CON-05		
G-06			SW-06			PM-06	4.3, 4.4.8, 4.4.9, 5.4.1, 5.5.1, 6.3.3, 6.4, 6.6, 6.8.1, 6.8.2, 7.4.2, 7.5, 7.6.1, 7.9, 8.3, 8.4.1	SD-17, SD-19, SD-28, SD-18, SD-26, SD-27	CON-06		
G-07			SW-07			PM-07			CON-07		
G-08			SR-02			PM-08			CON-08		
G-09			SR-03			PM-09			CON-09		
G-10			SR-04			PM-10			CON-10		
G-11			SR-06			PM-11			CON-11		
SG-01			SR-07			PM-12			CON-12		
SG-02			SR-08			PM-13			CON-13		
SG-03			SR-09			PM-14			CON-14		
SG-04			SR-10			PM-15			CON-15		
SG-05			SR-11			PM-16			INF-01		
SG-06			SR-12			PM-17			INF-02		
SG-07			SR-13			PM-18			INF-03		
SG-08			SR-14			PM-19			INF-04		

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goals			drone_swarm_requirements			system_requirements			subsystem_requirements		
ID	Sections	Diagrams	ID	Sections	Diagrams	ID	Sections	Diagrams	ID	Sections	Diagrams
SG-09			SR-15			PM-20			INF-05		
SG-10			SR-16			PM-21			INF-06		
SG-11			SR-17			SSR-01			INF-07		
			SR-18			SSR-02			INF-08		
			SR-19			SSR-03			INF-09		
			SR-20			SSR-04			MSG-01		
			SR-21			SSR-05			MSG-02		
			SR-23			SSR-06			MSG-03		
			SR-24			SSR-07			MSG-04		
			SR-25			SSR-08			MSG-05		
			SR-05			SSR-09			MSG-06		
			SR-01			SSR-10			MSG-07		
			SR-22			SSR-11			MSG-08		
			SR-26			SSR-12			MSG-09		
						SSR-13			MSG-10		
						SSR-14			MSG-11		
						SSR-15			MSG-12		
						SSR-16			MSG-13		
						SSR-17			MSG-14		
						SSR-18			MSG-15		
						SSR-19			MSG-16		
						SSR-20			MSG-17		
						SSR-21			MSG-18		
						SSR-22			MSG-19		
						SSR-23			MSG-20		
						SSR-24			SIS-01		
						SSR-25			SIS-02		
						SSR-26			SIS-03		
						PM-14B			SIS-04		
						PM-14C			SIS-05		
									SIS-06		
									TAL-01		
									TAL-02		
									TAL-03		
									TAL-04		
									TAL-05		
									TAL-06		
									TAL-07		
									TAL-08		
									TAL-08A		
									TAL-09		
									TAL-10		
									TAL-11		