

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		
ID	Sections	Diagrams
SG-09		
SG-10		
SG-11		

drone_swarm_requirements		
ID	Sections	Diagrams
SR-15		
SR-16		
SR-17		
SR-18		
SR-19		
SR-20		
SR-21		
SR-23		
SR-24		
SR-25		
SR-05		
SR-01		
SR-22		
SR-26		

system_requirements		
ID	Sections	Diagrams
PM-20		
PM-21		
SSR-01		
SSR-02		
SSR-03		
SSR-04		
SSR-05		
SSR-06		
SSR-07		
SSR-08		
SSR-09		
SSR-10		
SSR-11		
SSR-12		
SSR-13		
SSR-14		
SSR-15		
SSR-16		
SSR-17		
SSR-18		
SSR-19		
SSR-20		
SSR-21		
SSR-22		
SSR-23		
SSR-24		
SSR-25		
SSR-26		
PM-14B		
PM-14C		

subsystem_requirements		
ID	Sections	Diagrams
INF-05		
INF-06		
INF-07		
INF-08		
INF-09		
MSG-01		
MSG-02		
MSG-03		
MSG-04		
MSG-05		
MSG-06		
MSG-07		
MSG-08		
MSG-09		
MSG-10		
MSG-11		
MSG-12		
MSG-13		
MSG-14		
MSG-15		
MSG-16		
MSG-17		
MSG-18		
MSG-19		
MSG-20		
SIS-01		
SIS-02		
SIS-03		
SIS-04		
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		