







Drone Swarm Requirements ID	Checklist ID	Checklist Description	Goals ID	Yes/No N/A	Verification Method	 Reviewer	 Date	Tt Comments	Tt Action(s)	 Status of action(s)	 Status
SR-1	CL-01	Is the requirement clear and unambiguous?	SG-1	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Validated
SR-2	CL-01	Is the requirement clear and unambiguous?	SG-1	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Validated
SR-3	CL-01	Is the requirement clear and unambiguous?	SG-2	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Validated
SR-4	CL-01	Is the requirement clear and unambiguous?	SG-2	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Validated
SR-5	CL-01	Is the requirement clear and unambiguous?	SG-3	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Validated

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SR-6	CL-01	Is the requirement clear and unambiguous?	SG-3	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Validated
SR-7	CL-01	Is the requirement clear and unambiguous?	SG-3	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Validated
SR-8	CL-01	Is the requirement clear and unambiguous?	SG-3	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Validated
SR-9	CL-01	Is the requirement clear and unambiguous?	SG-3	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Validated
SR-10	CL-01	Is the requirement clear and unambiguous?	SG-3	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Validated

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SR-11	CL-01	Is the requirement clear and unambiguous?	SG-3	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-29			No action needed	Validated
SR-12	CL-01	Is the requirement clear and unambiguous?	SG-4	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated
SR-13	CL-01	Is the requirement clear and unambiguous?	SG-4	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated
SR-14	CL-01	Is the requirement clear and unambiguous?	SG-4	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated
SR-15	CL-01	Is the requirement clear and unambiguous?	SG-4	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated

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SR-16	CL-01	Is the requirement clear and unambiguous?	SG-6	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated
SR-17	CL-01	Is the requirement clear and unambiguous?	SG-7	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated
SR-18	CL-01	Is the requirement clear and unambiguous?	SG-7	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated
SR-19	CL-01	Is the requirement clear and unambiguous?	SG-7	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated
SR-20	CL-01	Is the requirement clear and unambiguous?	SG-7	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated

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SR-21	CL-01	Is the requirement clear and unambiguous?	SG-9	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated
SR-22	CL-01	Is the requirement clear and unambiguous?	SG-8	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated
SR-23	CL-01	Is the requirement clear and unambiguous?	SG-11	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated
SR-24	CL-01	Is the requirement clear and unambiguous?	SG-9	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated
SR-25	CL-01	Is the requirement clear and unambiguous?	SG-10	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated

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SR-26	CL-01	Is the requirement clear and unambiguous?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-02	Is the requirement testable (can success be objectively measured)?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-03	Does the requirement contribute to a higher-level goal (traceability up)?	SG-5	Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Verified
	CL-04	Is the requirement relevant to the problem and its solution?		Yes	Traceability analysis Goals → Requirments and Checklist	Emily Zainali	2025-10-30			No action needed	Validated