

No.	Rank	Risk	Description	Category	Root Cause	Triggers	Potential Response	Risk Owner	Probability	Impact	RRS
1.1	6	E: Team	Early formation of project team	HRI	A team is needed, and members are known, but availability is unknown.	Availability ambiguity	Start producing a contract.	Project Manager	High	Low	Acceptance
1.2	3	D: Team	Delayed formation of project team	HRI	A team is needed, and members are known, but availability is unknown.	Availability ambiguity	Give members a deadline to respond.	Project Manager	Low	Med	Mitigation
1.3	1	F: Team	Failure to form project team	HRI	A team is needed, and members are known, but availability is unknown.	Availability ambiguity	Search for new team members.	Project Manager	Low	High	Mitigation
2.1	6	E: Contract	Early completion of project contract	HRI	A contract is need to ensure member contribution and role satisfaction, but the latter is uncertain.	Role Dissatisfaction	Start producing a project plan.	Project Manager	High	Low	Acceptance
2.2	3	D: Contract	Delayed completion of project contract	HRI	A contract is need to ensure member contribution and role satisfaction, but the latter is uncertain.	Role Dissatisfaction	Sort out team roles.	Project Manager	Low	Med	Mitigation
2.3	2	F: Contract	Failed completion of project contract	HRI	A contract is need to ensure member contribution and role satisfaction, but the latter is uncertain.	Role Dissatisfaction	Attempt compromise and seek new members if needed.	Project Manager	Low	High	Mitigation
3.1	6	E: Plan	Early completion of project plan	HRI	A project plan must be constructed by team members and be submitted to the committee. Team time management skills are unknown.	Team time management skills are unknown.	Contact committee and put project plan on agenda.	Project Manager	High	Low	Acceptance
3.2	3	D: Plan	Delayed completion of project plan	HRI	A project plan must be constructed by team members and be submitted to the committee. Team time management skills are unknown.	Team time management skills are unknown.	Set a contract deadline and request progress reports.	Project Manager	Low	Medium	Mitigation
3.3	1	F: Plan	Failed completion of project plan	HRI	A project plan must be constructed by team members and be submitted to the committee. Team time management skills are unknown.	Team time management skills are unknown.	If the deadline is missed, assess team roster and resubmit next year.	Project Manager	Low	High	Mitigation
4.1	2	D: Committee	Delay in project plan approval	T	The project plan must be approved before project execution. A number of things could have affected the committee's meeting schedule.	Inclement weather, a pandemic, and personal events can all cause meeting delays.	Adjust the project charter's dates and resubmit if necessary.	Project Manager	Low	Medium	Acceptance
4.2	1	Critical Failure	Denial of project plant	HRE	The project plan must be approved before project execution.	The committee may be unhappy with the charter.	Accept feedback and resubmit next year.	Project Manager	Low	High	Acceptance

5.1	6	E: Hardware & Software	Early delivery of hardware and software	HRE	Drone hardware and delivery system software needs delivery. Availability is uncertain.	Software and hardware arrive early due to efficient development.	Start producing the WBS.	Project Manager	Low	Low	Acceptance
5.2	3	D: Hardware & Software	Delayed delivery of hardware and software	HRE	Drone hardware and delivery system software needs delivery. Availability is uncertain.	Software and or hardware delayed due to production roadblocks.	Accpet the delay and work on the WBS	Project Manager	Med	Med	Acceptance
5.3	3	I: Hardware & Software	Increase in price of hardware and software	HRE	Drone hardware and delivery system software needs delivery. Price is uncertain.	Costs differ from those found in the charter.	If possible, adjust the budget. If not, seek another solution.	Project Manager	Med	Med	Acceptance
5.4	5	De: Hardware & Software	Decrease in price of hardware and software	HRE	Drone hardware and software delivery needs delivery. Price is uncertain.	Costs differ from those found in the charter.	Note the decrease and distrubute it back into resources.	Project Manager	Low	Med	Acceptance
5.5	1	F: Hardware & Software	Failed delivery of hardware and software	HRE	Drone hardware and delivery system software needs delivery. Availability is uncertain.	Team failed to produce delivery software, or external entity fails to produce a satisfactory drone model.	Software may need to be outsourced, and a new vendor may need to be selected for drone production.	Project Manager	Low	High	Transference
6.1	6	E: WBS	Early completion of WBS	HRI	Workflow depends heavily on a sufficient WBS. Workflow is also subject to change.	Team members work well and complete a sufficient WBS in a timely manner.	Adjust the WBS according to the extra time.	Project Manager	High	Low	Acceptance
6.2	2		Delayed completion of WBS	HRI	Workflow depends heavily on a sufficient WBS. Workflow is also subject to change.	Team members miss initial deadlines.	The project manager must set second deadline, and time must be taken away from design and development.	Project Manager	Low	Med	Mitigation
6.3	2	F: WBS	Failed completion WBS	HRI	Workflow depends heavily on a sufficient WBS. Workflow is also subject to change.	Team members miss subsequent deadlines.	The second deadline has been missed, so the project manager must complete the WBS, take all the missed time out of design and development, and assess the teams shortcomings.	Project Manager	Low	High	Mitigation
7.1	2	Weather	Inclement Weather	H	Adverse weather conditions	Storm, hurricane, tornado	Constant forecast monitoring, and the suspension of operations until weather permits.	Operational Manager	Low	High	Acceptance

7.2	1	Theft	Theft of drones or their contents.	H	Wherever there is a product involved service, there is theft.	A drone or its contents are proven to have gone missing due to man-led interaction.	Track the drones geographical location and determine whether it ever arrived in the first place. Once all investigation is exhausted, send a replacement.	Operational Manager & Security Manager	High	High	Mitigation
7.3	1	Outage	Widespread loss of power.	H	An external entity or occurrence has caused an outage, inhibiting facility operations.	Power is not available.	The operational manager must employ the backup power source and do everything in their power to make sure power is restored in a timely manner.	Operational Manager	Low	High	Mitigation
7.4	2	Malfunction	Spontaneous failure	H	A flaw within the system/technology has led to an unforeseen failure.	D: WBS	Execute contingencies and seek assistance from both the tech team and technology consultant	Technology Consultant	Low	Med	Mitigation
8.1	3	Public Trust	Failure to garner public trust	PR	The public does not support our project or its execution	Resistance to drone technology and public outrage	Complete and total transparency regarding operations, preventive measures, and security protocols.	Public Relations	Med	High	Mitigation
9.1	6	E: Team	Early delivery of training resources	Tech	Training resources are needed for all involved in operations.	Ambiguous documentation.	Training can begin earlier than slated in the project schedule.	Project Manager	High	Low	Mitigation
9.2	4	D: Team	Delayed delivery of training resources	Tech	Training resources are needed for all involved in operations.	Ambiguous documentation.	Set a new deadline and request progress checks.	Project Manager	Low	Med	Mitigation
9.3	3	F: Team	Failed delivery of training resources	Tech	Training resources are needed for all involved in operations.	Ambiguous documentation.	Set a final deadline and assign dedicated team members for the creation of usable documentation and training materials.	Project Manager	Low	Med	Mitigation
10.1	2	Compliance	Failure to meet regulatory guidelines due to legal changes or lack of foresight	Legal	Compliance with outlined regulations is paramount to system operation.	Legal restrictions and or changes in regulations	Consult regulatory agencies and see where changes can be made.	Legal Advisor	High	High	Mitigation
Risk Rank		Categories		Risk Abbr							

1: Disaster	Tech: Technology	D: Delay
2: Dibacle	T: Time	De: Decrease
3: Issue	S: Security	E: Early
4: To be observed	HRE: HR Ext	F: Failure
5: Minor success	HRI: HR Int	I: Increase
6. Success	H: Hazard	
7: Major Success	PR: Public Relations	
	L: Legal	