

UAV (Drone) Risk Assessment & JSA





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Drone flying from helideck for photography and video purposes.

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Risk Assessment / Job Safety Analysis	
UAV (Drone) flying from helideck for photography, video and inspection purposes.	
Hazard	Control
Charging of batteries.	Cables and power supply to be checked for damage prior to charging batteries. Lithium batteries should be charged in the presence of personnel and not left unattended whilst charging.
UAV pilot slips, trips & falls.	Awareness of any helideck netting and other trip hazards such as lighting. Ensure good foot placement.
General PPE.	Correct PPE to be worn by drone pilot in area of operation. Gloves may be removed during drone operations on helideck but to be replaced immediately on completion of UAV activity.
Inclement weather.	UAV not to be flown in inclement weather, i.e., rain, sleet, snow or fog. Maximum wind speed of 17.4 knots/22 mph.
High rpm rotors during take off & landing phase.	All personnel to remain clear and vigilant during take off and landing and should remain well clear of the UAV during this activity. UAV pilot to announce to all nearby personnel when starting rotors and when planning to land the drone.
Helicopter operations.	Drone pilot to check with radio operator for known or planned aircraft / helicopter activity in the area and expected time. No UAV flying to take place during planned helicopter operations. UAV pilot to let radio operator know in advance of planned UAV activity, expected duration and on completion of activity.
Vessel operations.	UAV pilot to check with control room of nearby vessel operations and notify control room in advance of UAV activity, expected duration and on completion of activity.
Crane operations.	UAV pilot to notify crane operator in advance of drone activity, expected duration and on completion of activity. UAV flight to remain at a safe distance from crane operations.
Drops & equipment damage.	UAV not to be flown over personnel during the flight and to remain a safe distance from equipment.
Low battery warning.	UAV to be returned immediately to helideck when battery level reduced to 25%.
Unable to return to helideck.	A GPS home point must be confirmed prior to take-off and return to home settings checked. If UAV is unable to return back to the helideck, drone should be landed in a suitable safe area and powered down.
Helideck FOD.	On completion of UAV operations, helideck to be inspected of FOD prior to future helicopter operations.



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