

QHSE MANAGEMENT SYSTEM RESOURCE JOB SAFETY ANALYSIS (JSA) AND RISK ASSESSMENT (RA)

DOCUMENT NUMBER
HSE-LP-JSA & RA-V1.0

Activity Description & Location:	Driving Operations in from Roma in Queensland Onshore, Australia	Assessment No:	GN01	Rev:	1.2
		Date:	4-Mar-20		
References used: (Inc. Legal obligations)	<ul style="list-style-type: none"> Local Journey Management Plan Huracan Land Transport Standard 	Assessment Team:	J. Hollingworth, G. Humphreys		
		Company / Dept.:	Huracan / Roma		
		Frequency of Activity:	Daily		
		Persons Affected:	Huracan Crew		

OPERATION / EVENT	HAZARD	RISK	Initial Risk			CONTROLS			Residual Risk		
Steps	Energy source to cause harm / damage	Consequence of hazard – harm / damage to occur	Pr	Co	RS	Detail	Person to implement	Person to monitor	Pr	Co	RS
Driving in Queensland	Land Transport -Collision with Vehicles People or roadside equipment -Overturning of vehicle. -Injury or death -Fallen trees -Wildlife -Floods -Water over roads	Personnel Employee's Third party	Possible	Major	High (c5)	<ul style="list-style-type: none"> Regular vehicle servicing and maintenance Regular vehicle checks Use alternative public transport where practical Driver 4WD training and current Driver Commentary Biannual driver commentary Company provided information on local traffic conditions / hazards, road works, etc. Personal risk assessment of route prior to departure Follow Huracan Journey Management and Driving Policy Follow Huracan Drug and Alcohol Policy Use seat belt Airbag and safety features Driving Laws and national speed limits adhered to. Local emergency services Ensure adequate rest prior to departure Ensure to update JM every two hours and or if conditions change 	Huracan Driver	Huracan Director	Possible	Minor	Low C2



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						<ul style="list-style-type: none"> Engage 4WD off-road If dust is encountered ensure to keep a safe distance behind dust cloud, never drive through a dust cloud Drive to conditions Poor driving performance demerit system 					
Approved By: J. Hollingworth			Signature: <i>Jon Hollingworth</i>					Date: 4-Mar-20			

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NOTE: Using the Risk Matrix below, identify the Consequence & Probability of each risk occurring and enter the risk score in the Inherent column. Review the consequence, probability and risk score after appropriate controls have been agreed upon. Remember, the consequence does not change unless you eliminate the hazard (only the probability may change!)

		Consequence				
Likelihood	HEALTH AND SAFETY	First Aid Injury (FAI)	Medical Treatment (MTI)	Lost time Injury (LTI)	Permanent Disability / Fatality	Fatalities (multiple)
	FINANCIAL IMPACT	< \$20K	\$20K - \$200K	\$200K - \$2M	\$2M - \$20M	\$20M+
	REPUTATION	Minimal impact on business reputation, land holder only	Some impact on business reputation, local community exposure	Moderate impact on business reputation, local media exposure	Significant impact on business reputation, national media exposure	Critical impact on reputation, international media exposure
	ENVIRO.	Incident. No breach of regulations / EA. Minimal and short term impact to any local environment.	Minor breach of regulations / EA resulting in notification to regulator. Localised, short term, recoverable minor impact on flora and fauna	Serious breach of regulations / EA resulting in reporting to regulator, investigation, environment notice or fines. Significant localised but short term environmental impact	Major breach of legislation resulting in prosecution or litigation and regulatory intervention. Serious and long term ecological impact and environmental harm. Emergency Management activated.	Significant compliance breach resulting in prosecution / class action or loss of licence. Severe environmental harm with widespread or permanent Impact. Crisis Management activated.
		1. Insignificant	2. Minor	3. Moderate	4. Major	5. Catastrophic
A common event that is likely to occur in the industry many times per year	A. Highly Likely	Medium (A1)	Medium (A2)	High (A3)	Extreme (A4)	Extreme (A5)
An event likely to occur more than once a year in the industry	B. Likely	Low (B1)	Medium (B2)	Medium (B3)	High (B4)	Extreme (B5)
An event that may occur in the industry over 10 years	C. Possible	Low (C1)	Low (C2)	Medium (C3)	Medium (C4)	High (C5)
An event not likely to occur in the industry over 10 years	D. Unlikely	Negligible (D1)	Low (D2)	Low (D3)	Medium (D4)	Medium (D5)
An event that has not previously been experienced in the industry but may occur in exceptional circumstances	E. Remote	Negligible (E1)	Negligible (E2)	Low (E3)	Low (E4)	Medium (E5)
Hierarchy of Controls		Level 1 – Eliminate the Hazard		Level 2 – Substitute, Isolate & Engineer		Level 3 - Admin & PPE Controls
Reporting Requirements		Report Only – All Negligible Classifications		Investigate – All Low to Medium		TapRoot – High or above, or any Hi-Po