

RISK ASSESSMENT

Pre-Start Hazard Assessment (PHA) – Light Vehicle Operation

Form Reference:	ISO-BMS-RA-013
Plant/Vehicle/Machine Type:	Light Vehicle / Toyota Hilux Dual Cab 4x4
Project/Location:	

Purpose & Scope: This Pre-Start Hazard Assessment (PHA) identifies the tasks, hazards, and required control measures for the safe operation of this vehicle across Consolidated Group of Companies (CG/CTS/JG) sites, including Pilbara mining and civil construction environments. It must be read, understood, and signed by every operator prior to first use, and reviewed whenever conditions, plant, or the system of work change.

ALL OPERATORS MUST SIGN BELOW TO ACKNOWLEDGE THEY HAVE READ AND UNDERSTOOD THIS PHA, AT LEAST ONCE, PRIOR TO THE OPERATION OF THIS MACHINE.

Name	Date	Time	Signature

Approval & Sign-Off

Supervisor/s Responsible for this Document:	
Full Name:	
Location/Project ID:	
Date:	
Signature:	

Follow-Up Review Triggers

Follow-up trigger – review this PHA on change to: use of plant, system of work, plant environment, new information, or plant modification.	Y	N
Is the plant designed to perform the task?	☐	☐
Has the plant been modified from the original condition?	☐	☐

Follow-up trigger – review this PHA on change to: use of plant, system of work, plant environment, new information, or plant modification.	Y	N
Is the plant in good working condition and free of leaks, damage, mud and vegetation build-up?	☐	☐
All identified action items closed out/addressed (plant checks)?	☐	☐
Is the plant safe to operate? (on completion of PHA and any action closures)	☐	☐

Task, Hazard & Control Assessment

Task	Hazard	Initial Risk	Current Control Measures	Residual Risk	Responsible
PRE-START					
Operator competency & fitness for work	Unqualified, unlicensed, unfit, or fatigued operator	H17	- Operator holds current VOC (Verification of Competency) for this specific plant item and has completed site induction. - Fit for Work declaration completed; zero tolerance for alcohol and non-prescription drugs. - No operation while affected by fatigue, medication, drugs or alcohol - report to supervisor immediately if unfit.	L4	Operator
Pre-start inspection	Undetected plant defect leading to failure during operation	H17	- Complete documented pre-start/prestart book covering the items specific to this plant (see below), guards, isolators, e-stops, reversing alarm, beacon, fire extinguisher, first aid kit and spill kit. - Regular scheduled servicing/maintenance per manufacturer's schedule; defects tagged out and reported - do not operate a tagged/defective item. - Registration/inspection current where applicable.	M8	Operator
TRAVEL & ROAD USE					
Travel on site roads and public roads	Collision with other vehicles, plant, or pedestrians	H17	- Current driver's licence held and site-specific induction/journey management completed. - Obey posted speed limits and site traffic management plan; headlights on and UHF radio monitored on site. - Seatbelt worn at all times; no handheld mobile phone use while driving.	M8	Driver
Fatigue on long or remote transits	Driver fatigue leading to loss of control	H14	- Journey management plan completed for long-distance or remote transits; rest breaks taken per fatigue management plan. - Rotate drivers or stop and rest if signs of fatigue present.	L5	Driver

Task	Hazard	Initial Risk	Current Control Measures	Residual Risk	Responsible
Remote area travel / breakdown	Being stranded without communication or supplies in remote Pilbara locations	H14	- Vehicle carries adequate water, first aid kit, and communication (UHF/satellite phone) for the route travelled. - Trip intentions logged with site/supervisor before departing on remote routes; check-in schedule maintained.	M9	Driver
Wildlife/fauna strike	Collision with fauna, particularly at dawn/dusk on unsealed access roads	M8	- Reduced speed during low-light periods and in known fauna corridors. - Report fauna strikes to supervisor; do not swerve harshly - maintain control of the vehicle.	L4	Driver
LOADING & TOWING					
Load securing in ute tray	Load shift or items falling from the tray during transit	M8	- Loads secured with rated straps/tie-downs; tray canopy or tailgate secured before travel. - Payload kept within the vehicle's rated GVM - refer to compliance plate.	L4	Driver
Towing (trailer or plant trailer)	Trailer sway, disconnection, or overload while towing	H14	- Tow ball, safety chains and electrical connections checked before departure; trailer load within the vehicle's rated towing capacity. - Trailer brakes (where fitted) checked and functional; reduced speed while towing.	M9	Driver
VEHICLE CONDITION					
Tyre condition	Tyre failure from incorrect pressure, wear, or damage - particularly relevant on unsealed Pilbara roads	H14	- Tyre pressure and tread condition checked at pre-start; spare tyre, jack and tools confirmed on board. - Reduced speed on unsealed/corrugated roads to reduce tyre stress.	M9	Driver
Reversing and parking	Struck-by or collision injury while reversing or parking	M8	- Reverse-parking used where practicable to avoid reversing when departing; 360-degree check completed before reversing. - Handbrake applied and wheels chocked on inclines where required.	L4	Driver

Post-Task Activities

Post-Task Activities	Y	N
Ensure all tools are collected & returned to store/workshop.	☐	☐
Remove all waste materials from the area & place in the appropriate bins.	☐	☐
Report any damaged equipment.	☐	☐

Post-Task Activities	Y	N
Remove any barricades erected if no longer required.	☐	☐
Leave area clear of hazards.	☐	☐
Check area for hydrocarbon spillages.	☐	☐
Remove isolations and complete any permits/certificates if applicable.	☐	☐
Clean the cabin for the next person on shift to ensure a healthy work environment.	☐	☐

Additional Notes

Important: Every person on site must read this document and be familiarised with the underlying risks associated with operating this vehicle. It is the site supervisor's responsibility to check every team member has been briefed and has signed to acknowledge. Please add a note for any new risk identified during operation.

Risk Matrix

Likelihood \ Consequence	1 Insignificant No injury / near miss	2 Minor First aid / medical treatment	3 Significant LTI or restricted work duties	4 Major Fatality or serious permanent injury	5 Catastrophic Multiple fatalities – 50 or more health effects
Almost certain – Expected to happen	H11	H16	E20	E24	E25
Likely – Could happen frequently	M7	H12	H17	E22	E23
Possible – Could happen occasionally	L4	M8	H13	H18	E21
Unlikely – May occur sometime	L2	L5	M9	H14	E19
Rare – May only occur in exceptional circumstances	L1	L3	M6	H10	H15

Risk Rating – Actions Required After Ranking Risk

E STOP	H REVIEW	M PROCEED	L PROCEED
Eliminate or reduce the hazard to acceptable level (e.g. Medium or Low) in order to proceed	Controls to reduce hazard as far as reasonably practicable	With stated controls and supervision	And monitor for changes in conditions

Control the Risk – Hierarchy of Controls

Hierarchy of Controls	Examples of Controls
Elimination	• Design change, change of construction methodology
Substitution	• Use safer substance/chemical • Environmental catchments/sedimentation pools
Isolation	• Guards on power tools; effective screens, barriers and edge protection • Enclose noisy machinery; environmental swales, booms or barriers, paint washout station

Hierarchy of Controls	Examples of Controls
Engineering	• Earth leakage device (safety switch) on electrical sources • Use a machine to lift heavy objects; use scaffold rather than a ladder as a working platform
Administration	• Change work practices and safe work method procedures • Tagging and testing procedures or waste sorting
PPE	• Hard hats, glasses, hearing protection, hi-vis vests, safety boots/shoes • (Note: PPE should be the last option to protect people)