

LIGHT VEHICLE

MINIMUM STANDARDS

The Light Vehicle Minimum Standards are structured as follows:

MINIMUM REQUIREMENTS	Required for all light vehicles irrespective of the owner (LORA, Hire Company, Supply Chain Partner)
LORA PROCUREMENT REQUIREMENTS	Required for all light vehicles procured by LORA
MINIMUM DOCUMENT REQUIREMENTS	Documentation required for all light vehicles
PROJECT/SITE SPECIFIC REQUIREMENTS	Project/site specific requirements for light vehicles as determined by the project risk assessment

FEATURE	REQUIREMENTS
MINIMUM REQUIREMENTS – LIGHT VEHICLES	
DUAL AIRBAGS	OEM driver and passenger airbags shall be fitted
ANTI-LOCK BRAKING SYSTEM (ABS)	OEM Anti-lock Braking System shall be fitted
AIR CONDITIONING	Air conditioning shall be fitted
FIRST AID KIT	A complete First Aid Kit, Class B and in date. Location of the kit must be clearly signed on outside of equipment.
STANDARD JACKING & TYRE CHANGING EQUIPMENT	OEM supplied equipment and tools available for tyre changes (jack, wheel brace, etc.)
REVERSE CAMERA	<p>Vehicles fitted with a reverse camera must have a:</p> <ul style="list-style-type: none"> Robust camera mounted to provide adequate vision to the rear for the operator Monitor of an adequate clarity which must be mounted so as not to hinder operator's forward vision or distract operator <p>Reverse camera and monitor shall only be installed by the OEM or a qualified technician.</p>
REVERSE ALARM (SQUAWK OR BEEP)	The alarm shall activate each time the vehicle is placed in reverse when the amber beacon activated. The alarm must be squawk type alarm unless otherwise specified by the project.
UHF RADIO AND AERIAL	An operational UHF radio shall be fitted in vehicle cab, a compatible aerial shall be fitted securely to the vehicle (i.e. bull bar). Where deemed necessary by the supplier, project or at a client's request, VHF units shall be installed.
FIRE EXTINGUISHER & BRACKET	<p>A minimum 1kg dry chemical (ABE) fire extinguisher shall be fitted for all light vehicles and a minimum 2.5kg (ABE) for remote locations, within inspection/test requirements and charged. The extinguisher/s should be:</p> <ul style="list-style-type: none"> Fitted in a secure, easily accessible location Fitted with legible instructions and coloured correctly (i.e. red with white band) Fitted with a pressure gauge and hose to assist accessing awkward areas Maintained in accordance with AS 1851 <p>Note: This is a minimum requirement. Specific requirements for extinguisher type and/or capacity will be defined by certain work activities or sites.</p>
AMBER BEACON	<p>At least one amber beacon is fitted, with easily accessible on/off toggle switch to operate. The beacon shall be mounted as near as possible to the top of the vehicle and be clearly visible in normal daylight up to 200 metres (and closing) in all directions. Required to be seen from a 360° radius at a 45° angle.</p>
DRIVE TYPE	Four-wheel drive (4x4) available for unsealed roads or off road applications

FEATURE	REQUIREMENTS
ADDITIONAL LORA PROCUREMENT REQUIREMENTS – LIGHT VEHICLES	
IN VEHICLE MONITORING SYSTEM (IVMS)	<p>As part of Laing O'Rourke's preventative maintenance and incident strategy, all Laing O'Rourke commercial vehicles shall be fitted with IVMS hardware. These units report events that have been specifically set, which include:</p> <ul style="list-style-type: none"> • Fatigue • Speed • Harsh acceleration, braking and idle • Excessive revving • Possible accident • Seat belts <p>Light vehicles being used for LOR project delivery must be fit for purpose. IVMS must be fitted to all Laing O'Rourke light vehicles.</p>
REVERSE CAMERA	<ul style="list-style-type: none"> • Robust camera mounted to provide adequate vision to the rear for the operator • Monitor of an adequate clarity which must be mounted so as not to hinder operator's forward vision or distract operator <p>Reverse camera and monitor shall only be installed by the OEM or a qualified technician.</p> <p>Rear parking sensors to be fitted to all light vehicles.</p>
UHF RADIO AND AERIAL	<p>An operational GME TX3550 or similar GME UHF radio shall be fitted in vehicle cab, a compatible aerial shall be fitted securely to the vehicle (i.e. bull bar). Where deemed necessary by the supplier, project or at a client's request, VHF units shall be installed.</p>
LOCKABLE BATTERY ISOLATION SWITCH C/W IDENTIFICATION DECAL	<p>A means of immobilising the vehicle by isolating the battery so the vehicle cannot be started and/or operated by an unauthorised person. The isolation switch must be mounted within the engine compartment, lockable, resistant to weather and identification decal to be fitted.</p> <p>Required Colour: Battery Isolator – Red</p>
FIRE EXTINGUISHER & BRACKET	<p>A minimum 1kg dry chemical (ABE) fire extinguisher shall be fitted for all light vehicles and a minimum 2.5kg (ABE) for remote locations, within inspection/test requirements and charged. The extinguisher/s should be:</p> <ul style="list-style-type: none"> • Fitted in a secure, easily accessible location • Fitted with legible instructions and coloured correctly (i.e. red with white band) • Fitted with a pressure gauge and hose to assist accessing awkward areas • Maintained in accordance with AS 1851 <p>Note: This is a minimum requirement. Specific requirements for extinguisher type and/or capacity will be defined by certain work activities or sites.</p> <p>Decal mounted to the outside of vehicle to show location of fire extinguisher.</p>
FIRST AID KIT	<p>A complete First Aid Kit, Class B and in date. Location of the kit must be clearly signed on outside of equipment.</p> <p>Decal mounted to the outside of vehicle to show location of first aid kit.</p>
FLOOR MATS	<p>Front and rear rubber floor mats either aftermarket or OEM design. Additionally, a rubber mat fitted to the floor of the tray or tub to assist in restricting cargo movement.</p>
SEAT COVERS	<p>Removable, durable, seat covers shall be fitted to all seats.</p>
ASSET IDENTIFICATION STICKERS (SELECT OWNED ASSETS ONLY)	<p>Asset Decals: Black lettering on a white background, non-reflective adhesive backed decal</p> <p>Suggested Size: Minimum 50mm lettering</p> <p>Suggested Installation: Evenly applied to LH and RH front panel immediately in front of side mirrors</p>
TARE & GVM WEIGHT DECALS	<p>Provides the vehicle's Tare and GVM weight information to the operator and others.</p> <p>Weight Decals: Black lettering on a white background, non-reflective adhesive backed decal</p> <p>Suggested Size: 50mm lettering</p> <p>Installation: Evenly applied to LH and RH side of asset</p>

FEATURE	REQUIREMENTS
REFLECTIVE TAPE	Material: The tape shall be weather resistant with a reflective surface and adhesive back Size: Minimum 50mm wide Installation: One strip evenly applied to LH and RH side White 3M Diamond Grade.
BULL BAR	Australian Design Rules (ADR) compliant bull bar shall be air bag compatible, commercial grade and fitted with turn signals.
TOWBAR	Australian Design Rules (ADR) compliant with legible manufacturer identification and specification decal/plate. Fitted by qualified persons.
HIGH MOUNTED TAILLIGHTS	ADR compliant high mount lights, IONIC brand or equivalent (approved by Select) with brake, turn signal features and include reverse lights. These shall be mounted to the highest point of the vehicle and face rearwards for the purpose of alerting other road users to vehicle movement.
DAYTIME LIGHTS	ADR compliant automatic headlight activation kits, or factory optioned day running lights, shall be wired through the ignition switch or by other means so the day running lights come on automatically when the vehicle is started.
TONNEAU COVER	Provides load restraint, fitted to tray and open backed vehicles to secure loose objects and protect the vehicle's occupants or others from projectiles.
MESH LOAD GUARD	An ADR compliant load guard shall be fitted to all procured tray body utilities and in addition a cargo barrier is to be fitted behind the rear seats in vehicles where the cargo area is within the vehicle.
HANDBRAKE ALARM	An alarm will sound if the vehicle door is opened, and the handbrake is not applied.
DOCUMENTATION MINIMUM REQUIREMENTS (Paper or electronic – must be available at the time of mobilisation)	
ROAD REGISTRATION	Registration paperwork, and decal* (if applicable to the state of registration)
OPERATORS MANUAL / SAFETY INFORMATION	OEM operators manual specific to make and model to be in the vehicle. Must include the safe operating instructions for the vehicle.
SERVICE HISTORY	Noted Last Service interval within date and current (attached to windscreen/ Service book within glove box)
DAILY PRE-START BOOK	Specific to category of equipment.
PROJECT / SITE / CLIENT SPECIFIC REQUIREMENTS Items that may be required as determined by the project/site and/or client	
RISK ASSESSMENT	Specific to make and model of equipment.
IN VEHICLE MONITORING SYSTEM (IVMS)	As part of Laing O'Rourke's preventative maintenance and incident strategy, all Laing O'Rourke commercial vehicles shall be fitted with IVMS hardware. These units report events that have been specifically set, which include: <ul style="list-style-type: none"> • Fatigue • Speed • Harsh acceleration, braking and idle • Excessive revving • Possible accident • Seat belts <p>Light vehicles being used for LOR project delivery must be fit for purpose. IVMS must be fitted to all Laing O'Rourke light vehicles. IVMS must be fitted to other vehicles on Laing O'Rourke projects, where the requirement has been identified in the Project Risk Assessment. The following must be considered when conducting the risk assessment:</p> <ul style="list-style-type: none"> • Would the location / position of the vehicle need to be monitored in the event of an emergency? (e.g. vehicle being use to undertake remote work, lone worker using vehicle etc.) • Will the light vehicle be used an integral part of undertaking the work? (e.g. traffic control, driving to multiple locations to supervise/inspect/undertake work etc.) • Will monitoring distance travelled and driver behaviour (i.e. speed, braking etc.) be required as part of managing fatigue? • Could the vehicle exceed speed limits when being used for/on the project? (e.g. being driven on public roads, haul roads, large open space etc.)

FEATURE	REQUIREMENTS
	The requirement for IVMS must be documented in the Project / client requirement section of the premobilisation document.
DRIVE TYPE	Four-wheel drive (4X4) available on all Light Vehicles used on unsealed roads or in off-road conditions.
LOCKABLE BATTERY ISOLATION SWITCH C/W IDENTIFICATION DECAL	A means of immobilising the vehicle by isolating the battery so the vehicle cannot be started and/or operated by an unauthorised person. The isolation switch must be lockable, resistant to weather and clearly identified (i.e. isolator decal). Required Colour: Battery Isolator – Red
OPERATOR PROTECTIVE STRUCTURE	Rollover protective structure meeting ADR and performance requirements, required on light vehicles that do not have an ANCAP 5 rating. Compliance label must be permanently fitted to structure, legible and contain following information: <ul style="list-style-type: none"> Name and address of manufacturer Identification number/serial no. of guard (if any) Year of construction (i.e. year manufacturing process completed) Maximum vehicle mass for which ROPS meets performance requirements of the standard Vehicle make, model, or VIN the ROPS is intended Reference to the relevant standard to which the guard conforms Any other information deemed relevant by the manufacturer
TARE & GVM WEIGHT DECALS	Provides the vehicle's Tare and GVM weight information to the operator and others. Weight Decals: Black lettering on a white background, non-reflective adhesive backed decal Suggested Size: 50mm lettering Installation: Evenly applied to LH and RH side of asset
UHF RADIO AND AERIAL	An operational UHF radio shall be fitted in vehicle cab, a compatible aerial shall be fitted securely to the vehicle (i.e. bull bar). Where deemed necessary by the supplier, project or at a client's request, VHF units shall be installed.
REFLECTIVE TAPE	Material: The tape shall be weather resistant with a reflective surface and adhesive back Size: Minimum 50mm wide Installation: One strip evenly applied to LH and RH side
WHEEL CHOCKS WITH SECURE CARRYING MOUNTS (FOR RUBBER TYRED EQUIPMENT)	Suitably sized for vehicle requirements. Shall be secured to vehicle with bracket to prevent unintended movement.
BULL BAR	Australian Design Rules (ADR) compliant bull bar shall be air bag compatible, commercial grade and fitted with turn signals.
REVERSE ALARM (BEEP OR SQUAWK)	Fitted to central, unobstructed area of vehicle and rearwards facing. The alarm's noise level range shall be 87 to 112 dB(a) measured at a distance of 1 metre from the alarm.
HIGH MOUNTED TAILLIGHTS	ADR compliant high mount lights with brake, turn signal features and include reverse lights. These shall be mounted to the highest point of the vehicle and face rearwards for the purpose of alerting other road users to vehicle movement.
WHEEL NUT INDICATORS	Fitted to wheel nuts to help identify any loose nuts, preventing the possibility of wheel detachment. Indicators should be "long neck" design and yellow in colour.
SECURED SPARE TYRE (SECONDARY)	In good condition and suitable for vehicle. The secondary spare tyre shall be secured to vehicle tray or load guard but should not impair the operator's vision.
MESH LOAD GUARD (VEHICLE TYPE DEPENDENT)	ADR compliant load guards shall be construction from strong material (i.e. steel), of strong mesh design and secured to tray/tub body to protect the vehicle's occupants from projectiles in the event of an accident.
AUTOMATIC HEADLIGHT ACTIVATION (LOW BEAM)	ADR compliant automatic headlight activation kits (OEM/aftermarket) significantly increase vehicle visibility. The low beam headlights shall be wired through the ignition switch or by other means, so the headlights come on automatically when the vehicle is started.

FEATURE	REQUIREMENTS
MINE FLAG (MINIMUM HEIGHT FROM GROUND OF 3M)	A detachable mine flag (whip flag) shall be fitted to the highest and most visible point of the vehicle (i.e. light bar). Features: <ul style="list-style-type: none"> • Constructed from strong material (i.e. fibreglass) • High Vis markings • Red LED for night driving (located at highest point of flag) • Quick release coupler
DRIVING LIGHTS	Driving lights assist the driver while operating at night, dawn or dusk. They shall be ADR compliant and securely fitted to the bull bar with an easily accessible on/off toggle switch to operate.
TRAFFIC TRIANGLES (SET OF THREE)	Traffic triangles, designed to be used in the event of vehicle break down. Shall be secured in vehicle to prevent unintended movement.
HANDBRAKE ALARM	A handbrake alarm is designed to sound if the vehicle's handbrake is engaged whilst being operated and shall only be installed by the OEM or a qualified technician.
WORKING LIGHTS	They shall only be installed by qualified and competent persons and securely fitted to the vehicle with an easily accessible on/off toggle switch to operate.
SPILL KIT	General vehicle spill kit design to assist in small fluid (i.e. oil or coolant) spills. The spill kit bag shall be weatherproof to avoid damaging contents.
CARGO NET / TONNEAU COVER	Provides load restraint, fitted to tray and open backed vehicles to secure loose objects and protect the vehicle's occupants or others from projectiles.
TOOLBOX	Storage solution to keep equipment and tools securely and safety packed away. Note: Loaded toolbox/s weight and vehicle GVM shall be considered.
LADDER RACKS	Ladder storage solution. Note: Ladder/s weight and vehicle GVM shall be considered.
REVERSING CAMERA	Supply Chain Partner light vehicles fitted with a reverse camera must have a: <ul style="list-style-type: none"> • Robust camera mounted to provide adequate vision to the rear for the operator • Monitor of an adequate clarity which must be mounted so as not to hinder operator's forward vision or distract operator Reverse camera and monitor shall only be installed by the OEM or a qualified technician.
WEED & SEED	A statutory declaration for all Plant and Equipment that they are clean and free from weed and seeds. This is to confirm that the Plant and Equipment has not gone through areas with weed and in particular (parthenium weed or giant rat's-tail grass). If the item has gone through areas of this weed, a clean down certificate will be required.
VEHICLE RECOVERY KIT	Designated driver or passenger shall be competent to use the recovery equipment. The vehicle recovery kit shall have: <ul style="list-style-type: none"> • Snatch strap (suitable to vehicle weight) • D shackles (suitable to vehicle weight) • Recovery gloves • High vis vest • Tyre gauge • Recoil dampener
TOW BALL	Shall be ADR compliant, rated for vehicle towing capacity and fitted by qualified persons, OEM or aftermarket suitable. Towing capacity will be marked and visible to the user.
PINTLE HOOK & RECEIVER	Shall be ADR compliant, rated for vehicle towing capacity and fitted by qualified persons, OEM or aftermarket suitable.
CALL SIGNS (HIGH VIS OR STANDARD)	Used for communication purposes between road users. Call Sign Decals: Typically, black lettering on a reflective yellow high vis background (high vis version) or black lettering on silver or white non-reflective background (standard, non-mine spec) Suggested Size: 200mm high Installation: Evenly applied to LH, RH and rear of asset
LOCKABLE STARTER ISOLATION SWITCH C/W IDENTIFICATION DECAL	A means of immobilising the equipment starter. The isolation switch must be lockable, resistant to weather and clearly identified. Required Colour: Starter Isolator – Yellow