



VUL-FRM-10-09-Light Vehicle Inspection

Call Sign:	
Make:	
Model:	
Serial Number:	
Equipment Owner:	
Inspector:	
Date of Inspection:	



Compliance Audit

Question	Pass	Fail	N/A	Details (if Fail, N/A or Required)
Air Conditioning System	☐	☐	☐	
Equipment with enclosed cabins must have air conditioning systems that are operational and effective.				
Blind Spots Removed	☐	☐	☐	
Ensure driver has clear field of vision and no obstruction from ancillary equipment (stickers on windows/radios/GPS) If fitted with visual aids (side mirrors, reverse cameras), must be operational and effective.				
Cabin Dust Seals	☐	☐	☐	
Check door and window seals are in place and also for cracking and misalignment / tears / gaps.				
Controls and Interlock Safety Devices	☐	☐	☐	
Where applicable, functionally test all controls and interlocks.				
Height of Equipment	☐	☐	☐	
Label inside operators' cabin/transportable building to indicate the maximum height of the equipment (both travel height and maximum working height if applicable). Inspector must validate the height of the vehicle/equipment/transportable building to confirm the measurement indicated on the label.				
Inverters 240V	☐	☐	☐	
Inverters on vehicles and mobile equipment must be fitted with RCD protection and have a current RCD test tag.				
Instrumentation, metering and gauges	☐	☐	☐	
Instrumentation, metering and gauges are clearly visible, adequate and operational.				
Lights, indicators and lighting	☐	☐	☐	
Internal cab lighting must be effective for safe operation including emergency stops, access and controls. External lights (headlights, tail lights and indicators) must be clearly visible, adequate and operational. Lenses must be clean and capable to perform their intended function.				
Operating manual	☐	☐	☐	
A copy of the equipment operating manual is available, this could be in the equipment or in the site office.				



Question	Pass	Fail	N/A	Details (if Fail, N/A or Required)
Signage	☐	☐	☐	
All machine controls and service points must be provided with clear signage to indicate function. Check that the equipment is fitted with clearly visible permanent markings, signs, compliance and identification plates on safety devices and systems including, but not limited to: ROPS; FOPS; pressure vessels; fire suppression systems; emergency exits; electrical cubicles/enclosure panels; accumulator reliefs, tow, confined space; crush points; rotating and hot parts; E-stops; pressure reliefs; spring under compression chambers; limits of operation in cab; hearing protection in noisy environments; unique Hi-Vis plant ID. All vehicles and trailers having inflated tyres must have a tyre supplier placard. Where a hazard could exist from misinterpretation of a symbol, the meaning of the symbol must be clarified in writing.				
Steering	☐	☐	☐	
Check for excessive play or abnormal feel/noise. If fitted, check ancillary steering is functional.				
Two-Way Radio	☐	☐	☐	
As a minimum, all vehicles and mobile equipment must have a site compliant, programmable and operational two-way radio, fitted to the equipment. It is the responsibility of the equipment owner to ensure the radio installed is approved for use on the operating site.				
Warning Device	☐	☐	☐	
Mobile equipment must be fitted with manually operated audible warning device e.g. horn. Equipment fitted with air-horns must also be fitted with a secondary horn (electric). An automatically operating reversing alarm must be fitted and operational.				
Park Brake Alarm	☐	☐	☐	
Check function of audible and/or visual 'Park Brake Not Activated' alarm. This alarm is to be interlocked with the door or operator seat/seatbelt.				
Seatbelts and Seating	☐	☐	☐	
Ensure all seats are in a roadworthy condition and have three-point inertia reel seat belts fitted, undamaged and functional.				
Brake Controller	☐	☐	☐	
Where fitted, cabin-mounted brake controllers are to be labelled, operational and within reach of the driver.				



Question	Pass	Fail	N/A	Details (if Fail, N/A or Required)
Occupant Protection	☐	☐	☐	
Additional items mounted within the cab must not obstruct access, egress, deployment of air bags or other safety devices. Items must be secured as to not become loose in the event of a vehicle incident.				
5 Star ANCAP or ROPS	☐	☐	☐	
All light vehicles $\leq 3.5\text{t}$ GVM must be 5-star ANCAP rated, otherwise it must be fitted with a ROPS system. (If fitted with a ROPS system, refer to the ROPS section below) Installation of aftermarket modifications that would impact the safety features of a 5-star ANCAP vehicle require SSE approval. Accepted modification are listed under the 'Modification' section.				
Brackets, Pins and Hinge Points	☐	☐	☐	
Carry out a functional inspection to identify loose brackets, pins and hinge points and locking mechanisms; e.g., dozer belly guards, bonnets, doors and tilt cabins. Check that pin retainers are in place and that the pins are not slipping out. Check that all mounting bolts are secure by visual inspection.				
Diesel Fuel Only	☐	☐	☐	
Petrol powered equipment is restricted on site.				
Modifications	☐	☐	☐	
Additional equipment fitted to Light Vehicles must be assessed to ensure the maximum vehicle allowable mass is not exceeded. Permitted modifications for light vehicles include: - Fitment of trays, side steps, canopies, driving lights, isolation switches, additional batteries, roof racks, flashing roof lights, fire extinguishers, two-way radios, spare wheels, long-range fuel tanks, snorkels, reversing alarms, airbag compliant seat covers, headlights on/tail light function kits. See the applicable section in this standard for the following permitted modifications: - Cargo barriers, bullbars, suspension lifts, tow bars and tyres. Any additional modifications must follow the approved exemption process. Compliance plates must be provided for any additional modified equipment.				

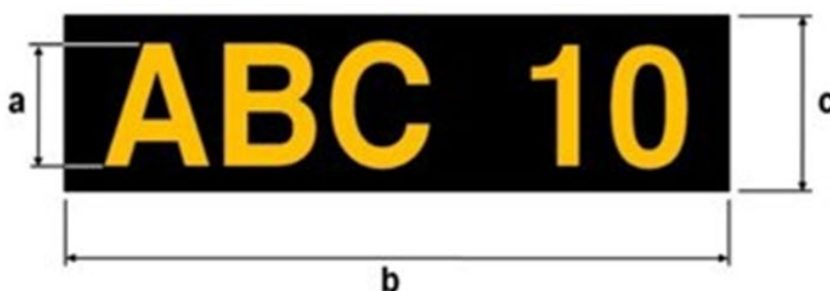


Question	Pass	Fail	N/A	Details (if Fail, N/A or Required)
High Visibility Call Sign	☐	☐	☐	

Identification must be clearly visible at all times. Identification numbers must be located on both sides and rear of the vehicle/equipment and must meet the following requirements:

- Reflective yellow or green coloured letters and numbers on a black background, as close as practicable to the format detailed below.
- A type face of Helvetica Narrow Bold, with standard spacing (no compression).

Use	a (letters)	b (width)	c (height)
Light vehicles Buses Medium Vehicles	200mm	-	260mm
Mobile equipment less than 120T	290mm	-	370mm
Mobile equipment 120T or greater	400mm	-	500mm



- Space between letters and numbers must be an ém' space (relates to typography).
- All mobile equipment must be identifiable from 360 degrees in accordance with the table above.

Where it is impractical for rear facing call signs to meet the size requirements above, the largest allowable size shall be selected such that it is still readable from a 50m distance. When fitted on road registrable vehicles they must be made from non-reflective material.

Auxiliary equipment not requiring positive radio contact (complete list provided in Definitions section) only require plant identification numbers, and are not required to meet the sign size requirements listed in the above table.



Question	Pass	Fail	N/A	Details (if Fail, N/A or Required)
Reflective Yellow Tape	☐	☐	☐	
The vehicle must have reflective yellow tape on both sides, minimum of 50mm width. Reflective tape must be positioned to indicate the overall length of machine.				
High Visibility Flag	☐	☐	☐	
For vehicle less than 3.4m in height a high visibility flag will be fitted. All flags must be a minimum of 3.4m up to a maximum of 4.2m from the ground and must be removable for public road usage.				
Structural Damage Inspection	☐	☐	☐	
Visual check for cracks, deformation or excessive rust.				
Towing System	☐	☐	☐	
Towing equipment must have the coupling (hitch) maximum towing capacity clearly indicated via a placard or label. Ensure that there are connection points for safety chains. Ensure draw bar is securely mounted and not cracked. Where any part of the coupling or drawbar is removable ensure the bolts, studs, nuts etc. fastening those parts must have a locking device such as U clip, split pin, spring washer or nylon nut. Rudd lugs are not permitted on Vulcan Mine as towing points.				
Windscreens, Windows, Mirrors and Wipers	☐	☐	☐	
Check that the windscreen does not have any significant cracks or damage. Check operation of wipers and water spray are effective. Windows must be fitted with OEM specification glass (minimum).				
High Visibility Colour	☐	☐	☐	
The base colour of the light vehicle must be white.				
Load Securing Devices	☐	☐	☐	
Any equipment with open compartments capable of carrying a load must have restraint attachment points.				
Split Rims	☐	☐	☐	
Split rims are prohibited.				



Question	Pass	Fail	N/A	Details (if Fail, N/A or Required)
Suspension	☐	☐	☐	
Raising the height of the vehicle may be performed providing the overall increase in vehicle height is not more than 75mm (QCOP v4.2 Code LS9). This may be achieved as a single modification such as the installation of a 50mm lift kit, or by a combination of smaller lifts as described below: • Suspension modification, (50mm maximum change of vehicle height); • Changes to tyre size (maximum change in tyre size diameter of 50mm); or • A combination of the above that results in a change of vehicle height not exceeding 75mm. Note: fitting of tyres with larger diameter increases vehicle height by half that amount. For example, tyres with 50mm larger diameter increase ride height by 25mm. In addition to the above-mentioned criteria, modified suspension systems: • must maintain at least two thirds of the original suspension travel in either direction; • coil springs remain in locating seats on full suspension droop; • the normal relationship between the front and rear suspension heights is not unduly affected; • replacement springs have the same or greater load capacity as the original springs; • suspension coil springs are not shortened by cutting or heating; • leaf spring suspensions are not raised by the use of extended shackles, adjustable metal plates or by placing the leaf springs to the opposite side of the axle. Airbag or air pressurised shock absorber helper springs may be fitted in addition to the original suspension.				
Bullbars	☐	☐	☐	
Where fitted, equipment owners need to provide evidence (certificate/document of proof) that bullbar fitment does not interfere with the intent of the occupant protection provisions specified in ADR 69/00. For vehicles manufactured to comply with Australian Design Rules 69 and/or 73, only bullbars meeting the following criteria are suitable: • Those that are certified as being suitable for that vehicle by the manufacturer of the vehicle, or • The bulbar manufacturer has demonstrated that it does not interfere with the critical air bag timing mechanism or has adversely affected compliance with the ADRs. • Bullbars must not obstruct the driver's vision or the viewing angles of any lights. Where lights are obstructed, appropriate additional lights must be fitted. • To reduce the effects on vehicle balance and tyre wear, bullbars should not add significant load to the vehicle's front suspension. • Surfaces of the bar that could reflect light from the vehicle's headlights. Bullbars must be designed and fitted as per the requirements of Australian Standard AS 4876.1.				
Roll Over Protection Structure (ROPS)	☐	☐	☐	
All LV >3.5T GVM or without an ANCAP 5 Rating must be fitted with ROPS. All ROPS structures must be designed, manufactured and installed as per National Code of Practice (NCOP7, LK8/LK9/LK10) and must have a compliance plate mounted on the structure. If fitted to light vehicles <3.5t GVM With an ANCAP 5 rating, roll hoops integrated into the headboard of utilities trays are acceptable and will not affect the ANCAP rating of the vehicle. Roll hoops that extend forward of the headboard and above the occupant's cabin space will not be acceptable. The VIN number on compliance plate must match vehicle compliance number.				



Question	Pass	Fail	N/A	Details (if Fail, N/A or Required)
Battery System	☐	☐	☐	
Battery boxes, where fitted, must be ventilated, drained and of robust construction; terminals clean and bracket secure; leads properly secured and not showing signs of heat or abrasion; (+) terminal insulated (one battery fitted), or all terminals insulated (battery bank). The location of batteries must be clear of all ignition sources. Surface mobile equipment must have Valve Regulated Lead Acid (VRLA) batteries (also called 'sealed' or 'maintenance free' batteries) installed.				
Engine/Drive Motor	☐	☐	☐	
Check engine/drive motor for no leaks. Check mounts, wiring, and piping are secure. Check that the exhaust system is secure, free from damage/leaks and is fit for purpose. Check that exposed rotating parts that are easily accessible (not behind a cover, under the machine, or under the bonnet in the case of Light Vehicles) have protection fitted to protect against inadvertent contact.				
Extra Low Voltage (ELV) <50Volts AC or <120 Volts DC	☐	☐	☐	
Exposed copper wiring is prohibited. Single insulation at connection plugs is permitted up to 100mm provided that there is adequate support and protection against damage. Electrical connections must be rated a minimum of IP2X. Check that all exposed terminals are protected from arcing. Check that all operator interfaces are ELV. Check that all connections are terminated so that they cannot loosen or overheat under normal conditions of service. Check that disconnected cables have been removed or properly terminated. If equipment is above ELV an Electrical Inspection must be completed.				
Glands / Bushing of Cables	☐	☐	☐	
Check where wiring is threaded through conduits, partition walls etc. They should be adequately glanded or bushed so that wiring and cabling does not come in contact with any surfaces that may degrade the sheathing or insulation of any wiring. All wiring should be positioned / secured such that the potential to rub onto vibrating or abrasive surfaces is minimised.				
Radiator Pressure Relief System	☐	☐	☐	
The radiator must have a method for relieving pressure build-up prior to the removal of the radiator cap, such as a pressure relief cap, expansion tank, two stage caps or similar. All venting must be away from personnel. This requirement is not applicable for electric drive equipment.				



Question	Pass	Fail	N/A	Details (if Fail, N/A or Required)
Maintenance and Inspection Records	☐	☐	☐	
Equipment is to be routinely maintained and records kept to ensure that it remains “fit-for-purpose”. Example copies of documentation must be provided as evidence that the equipment is part of an ongoing maintenance program and references the OEM maintenance recommendations, such as: • pre-start inspection sheet with defects identified; • completed service sheets with defects repaired; and • evidence of service history within the previous 12 months. Not applicable for brand new equipment or equipment that has been purchased without previous maintenance (a full equipment inspection must be completed prior to compliance) records undergoing an initial inspection. All guards must require the use of a tool to remove and replace or be fitted with an interlock to stop motion. The tool can be an implement such as a key or wrench to operate a fastener, in accordance with AS/NZS 4024.1601. Where inspection or cleaning covers are provided and their removal exposes dangerous parts of the machine which are within reach, such covers must be clearly labelled "DANGER – Isolate drive before removing cover".				



Completion

Score (0/1) 0%			
Question	Yes	No	Details
Have any of the listed requirements been marked as a "fail"?	☐	☐	
General recommendations/comments			
Paragraph of equipment			
Please provide photos of all 4 sides of the equipment, in addition to the photos taken for individual compliance item evidence.			
Name:	Signature:		Date: