

RAIL TRACK BOUND EQUIPMENT

MINIMUM STANDARDS

The Rail Track Bound Equipment Minimum Standards are structured as follows:

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

FEATURE	REQUIREMENTS
MINIMUM REQUIREMENTS – RAIL TRACK BOUND EQUIPMENT	
ENCLOSED, SEALED, AIR CONDITIONED CABIN	OEM designed and fitted cabin, with air conditioning suitable for conditions.
FIRE EXTINGUISHER + BRACKET	A minimum 4.5kg dry chemical (ABE) for all locations, within inspection/test requirements and charged. The extinguisher/s should be: - 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 Minimum 1kg dry chemical (class ABE) shall be located in the cabin and clearly identified. Note - This is a minimum requirement. Specific requirements for extinguisher type and/or capacity will be defined by certain work activities or sites.
FLASHING AMBER BEACON	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 equipment and be clearly visible in normal daylight up to a distance of 200 metres (and closing) in all directions. The beacon shall be a rotating LED type (or as per site requirement).
LOCKABLE BATTERY ISOLATION SWITCH C/W IDENTIFICATION DECAL	A means of immobilising the equipment by isolating the battery so the equipment 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
EMERGENCY STOP/S (WITH DECAL) EASILY AND SAFELY ACCESSIBLE FROM OUTSIDE PLANT	As per National Standard for Plant NOHSC: 1010 (1994), clause 14, sub section (a), (b) and (c) emergency stop devices must: (a) Be prominent, clearly and durably marked and immediately accessible to each operator of the plant; and (b) Have handles, bars or push buttons which are coloured red. (c) Not be able to be affected by electrical or electronic circuit malfunction. (d) Are of "stop and Lock-off" type: so that the plant cannot be restarted after an emergency unless the stop control has been reset. Location: Emergency stop devices shall be positioned for easy access and for nonhazardous operation by the operator.
GUARDING (ENGINE, ROTARY PARTS, HEAT SHIELDS, SOUND CLADDING)	Guarding is in place, mitigating operator exposure to moving and/or hot parts and conform to National Standard for Plant NOHSC: 1010 (1994), clause 7, 8, 9 & 10 and, in addition, Select Plant Hire Equipment Safe Guarding Standard.

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SAFETY SIGNAGE/DECALS IN PLACE FOR SWL, ACCESS/PINCH POINTS, WARNINGS, EMERGENCY, ETC.	Safe Working Load limits (SWL), warning decals near crush/pinch points, emergency exit, etc.
REGULATORS: DUST SUPPRESSION SYSTEM (INSTALLED WHERE APPLICABLE).	Regulator's shall have dust suppression units fitted in the form of water sprayer nozzles to minimise dust/debris whilst perform works.
HANDRAILS, LIFELINES OR HARNESS POINTS ON DECKS WHERE PERSONNEL ACCESS AS REQUIRED	Suitably designed hand rails (edge protection) shall be fitted to prevent falls from height occurring when utilising upper decks. They shall be a minimum of 1m high, with gaps of less than 450mm between each mid rail, toe boards installed (minimum 100mm wide), manufactured from metal. Lifelines and harness points (as well as relevant fall arrest equipment) shall conform to AS/NZS 1891.1-2020 Industrial Fall-arrest Systems & Devices – Harnesses & Ancillary Equipment and AS/NZS 5532-2013 Manufacturing Requirements for Single Point Anchor Device Used for Harness-based Work at Height
SAFE ACCESS ONTO MACHINES (THREE POINTS OF CONTACT)	Suitably designed access with hand rails shall be fitted to prevent trips and falls from height occurring when accessing plant and equipment. They shall be manufactured from metal only.
SEATBELT FITTED	Shall be operational and meet Australian Standards. A sign should be prominently displayed in every cabin, warning the operator to wear the seatbelt provided.
UHF RADIO AND AERIAL FITTED AND OPERATIONAL	An operational UHF radio shall be fitted in the operator cab and be easily accessible. A compatible aerial shall be fitted securely to the equipment.
STEEL WHEEL CHOCKS WITH SECURE CARRYING MOUNTS	Steel and compatible with equipment size and requirements. Shall be secured to equipment with bracket to prevent unintended movement when not in use.
RATED LIFTING POINT C/W IDENTIFICATION DECAL OR FORKLIFT TYNE ACCESS	OEM approved rated lifting point or forklift tyne access c/w decals. The lifting point must form a closed eye or similar form so that accidental unhooking of the equipment cannot occur.
RAIL SAFETY EQUIPMENT	The following rail safety equipment shall be readily available to the operator; • Min of 12 x detonators (in date) in lockable box • 3 x shortening clips in sealed bags • 2 x torches w/ batteries (supplied with red and green lens covers) • 3 x red flags • 2 x green flags
HORN APPROPRIATE FOR THE WORKING CONDITIONS	Horn must be a minimum 105dBA to a maximum of 115dBA.
TRAIN OPERATING CONDITIONS (TOC) MANUAL OR REGISTRATION DETAILS	Available to operator and located in cabin to advise of track speeds and operating conditions.
ADDITIONAL LORA PROCUREMENT REQUIREMENTS – RAIL TRACK BOUND EQUIPMENT	
ASSET IDENTIFICATION STICKERS (SELECT OWNED ASSETS ONLY)	Asset Decals: Black lettering on a white background, non-reflective adhesive backed decal Suggested Size: 200 x 100mm Installation: Evenly applied to LH and RH side of asset
REVERSING CAMERA	Vehicles fitted with a reverse camera must have a: • Robust camera mounted to provide adequate vision to the rear for the operator

FEATURE	REQUIREMENTS
	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.
DOCUMENTATION MINIMUM REQUIREMENTS (Paper or electronic – Must be available at the time of mobilisation)	
OPERATORS MANUAL	OEM operators manual available and in good condition, specific make and model.
PLANT RISK ASSESSMENT	Specific to make and model.
DAILY PRE-START BOOK	Specific to category of equipment.
'RIM' REGISTRATION	Rail infrastructure manager (RIM) rolling stock registration sticker, certificate or equivalent for the applicable railway.
ANNUAL INSPECTION AND SERVICE HISTORY	(Track-bound plant annual inspection report and service history (minimum of 3 months records))
REGISTRATION REQUIREMENTS	Road registration papers, sticker and plates (where applicable)
WHEEL INSPECTION REPORT	Wheel inspections every 500hrs or 6 months; whichever is first.
CHANGE MANAGEMENT	Change management documents available for any modifications

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PROJECT / SITE / CLIENT SPECIFIC REQUIREMENTS	
Items that may be required as determined by the project/site and/or client	
VHF RADIO AND AERIAL FITTED AND OPERATIONAL	An operational VHF radio shall be fitted in the operator cab and be easily accessible. A compatible aerial shall be fitted securely to the equipment.
SPILL KIT	General vehicle spill kit design to assist in small fluid (i.e. oil or coolant) spills. The spill kit bag shall be weather proof to avoid damaging contents.
TOOL BOX	Storage solution to keep equipment and tools securely and safely packed away. Note : Loaded tool box/s weight and vehicle GVM shall be considered.
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: 500 x 250mm Installation: Evenly applied to LH, RH and rear of asset
FIRST AID KIT	A complete First Aid Kit, in date. Location of the kit must be clearly signed on outside of equipment.
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 (i.e. isolator decal). Required Colour: Starter Isolator – Yellow
WEED AND 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.