

No: NRS_307

Network Rail Safety Bulletin

Correct Use of Movement Limiting Devices fitted to 360 Excavator Road Rail Vehicles

**For the attention of:
Network Rail employees, Principal Contractors, Contractors and Plant Hire Suppliers.**

360 degree Excavator Road Rail Vehicles (RRVs) may be fitted with a range of different Movement Limiting Devices (MLDs) which may be used as part of a safe system to stop an RRV from hitting Trains, and infrastructure such as Overhead Power lines.

Some MLDs are mechanical in nature (fig1) and others are electronic and incorporated into the Rated Capacity Indicator (RCI) (fig2).

MLDs approved by Network Rail specifically for use under Live Overhead Line Equipment (OLE) or Adjacent Line Open Operations (ALO) are specifically designed so that the movement limiting device when used **must be locked** to prevent accidental or deliberate deactivation or reconfiguration by an unauthorised person.

Where the MLD is locked with a Key, then this should be removed from the device and held by the Machine/Crane Controller or placed in a suitable Key Safe/Box (fig3) located on the machine (not in the cab).



fig1



fig2



fig3

ACTION: RRV Operators, Machine & Crane Controllers and those undertaking the task of ALO Site Coordinator

- Must check that Movement Limiting Devices have been set up in accordance with the work plan for the RRV.
- Must check the correct operations of Movement Limiting Devices in a safe environment prior to on-tracking the machine.
- Once the check is complete, the key (where fitted) must be removed to prevent accidental or deliberate deactivation or reconfiguration by an unauthorised person.

NB: A list of RRV excavators that are fitted with reliable, high integrity MLDs is held on the Safety Central website; <http://www.safety.networkrail.co.uk/>