

Tandem Lifting Working Group Briefing

Briefing Update for RRVs fitted with Tandem Lift Mode

For the attention of all Network Rail and Contractor staff

New RRVs used for lifting purchased after April 2010 or have been upgraded after June 2010 will usually be fitted with a "Tandem Lift mode."

Tandem Lift mode RRVs de-rate the crane when switched into the Tandem Lift Mode.

This assures that the crane is re-rated by the required percentage through the Rated Capacity Indicator (RCI) and is compliant with Network Rail Standard **NR/L2/RMVP/0200/P003** (formerly M&EE Code of Practice COP0008)

RRVs certificated to meet RIS-1530-PLT issue 2, or later that do not have a Tandem Lift mode fitted, will have the Engineering Acceptance Certificate endorsed that the RRV should not be used for Tandem Lifting operations.

Because of the improvements in safety provided by the Tandem Lift mode, you should aim to select and use RRVs which have Tandem Lift mode for carrying out Tandem Lifting operations.



Photo shows an in-cab Tandem Lift Mode key

Actions for tandem lifting operations:

Lift Planners:

- Aim to order pairs of RRVs with Tandem Lift Mode fitted whenever you are planning a tandem lifting operation.
- Make sure you use the Tandem Lift Duty Charts for the RRV selected when planning a Tandem Lifting operation using RRVs with Tandem Lift mode fitted. (You can cross-check you have this correct by manual re-rating the load and using the single-lift Duty Charts).
- You should already be ordering RRVs with compatible RCI systems (ref safety Bulletin IGC 238)

Tandem Lift Crane Controllers, Machine Operators, site supervision staff, assurance staff

- Check if both RRVs for the Tandem Lift have Tandem Lift mode fitted
- Where Tandem Lift Mode is fitted on both RRVs, Tandem Lift mode should be switched 'on' whenever the RRVs are being used for Tandem Lifting operations
- Where Tandem lift Mode is fitted to only one of the RRVs then Tandem Lift mode should be switched 'off'. (RCI should remain switched '**ON**') and the load re-rated in the normal way.
- If you have an RRV with the blue light fitted on the cab, make sure it is 'on' at all times when carrying out lifting operations as this shows the RCI is 'on' and selected for lifting.

Note:

Because the Tandem Lift mode “enforces” de-rating of the crane, you may get RCI alarms and/or ‘motion cut’ in situations where this would not normally occur with the same type of RRVs without Tandem Lift mode fitted and switched ‘on’. If this happens, stop and check the lift plan, configuration of the RRV and lifting operation to determine why this has occurred.

Do not switch ‘off’ the Tandem Lift mode switch and carry on with the lifting operation.

For assistance on the content of this briefing, please contact:

Steve Sandford

Mobile: 07843001176

e-mail: steve.sandford@networkrail.co.uk