

Infrastructure Plant Manual

Module P503 – Planning for lifting operations

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0.1 Job roles

This module is applicable to the following job roles, you must familiarise yourself with all of the clauses contained within it to understand your personal responsibilities. If you intend to carry out any of these roles you must hold the relevant Sentinel competency:

- Planner
- Lift Planner
- Principal Contractor
- Plant Operator License Holders
- Crane Controller
- Appointed Person
- Crane Supervisor

0.2 Risk mitigation

This module helps mitigate the following high level risks:

- a) compliance with legislation (LOLER, PUWER, HASAW);
- b) damage to assets, e.g. RRV or its load hitting a passing train during ALO operation;
- c) overturning, e.g. RRV overturning during lifting operations;
- d) MEWPs becoming out of control, e.g. MEWP operator being crushed under a structure;
- e) collisions, e.g. collision between a RRV and an OTM
- f) staff injuries, e.g. Operator being trapped between machine and infrastructure or machine and machine.

0.3 Competence

Persons creating or authorising lift plans shall be competent to carry out the task (see NR/PLANT/0200 for who can plan and authorise lift plans).

NOTE If the person producing a lift plan is not yet competent to the level required, the lift plan will need to be verified by another person who is competent.

1 When a lift plan is required

A documented lift plan is required when using any lifting equipment defined by SI 1998 No. 2307 - *The Lifting Operations and Lifting Equipment Regulations 1998 (LOLER)*. This includes:

- On-track machines;
- On-track plant;
- road mobile cranes;
- lorry mounted knuckle boom cranes;
- mobile elevating work platforms;
- manually powered lifting equipment (e.g. jacks)

The lift plan is part of, **but additional to**, the documented safe system of work (see NR/PLANT/0200/module P502).

NOTE Routine lift plans are acceptable for routine lifting of a repetitive nature, e.g. lorries unloading the same products etc. Each lift on a worksite should be planned and documented beforehand.

2 When a crane controller is required

A crane controller is required for all lifting operations carried out on Network Rail managed infrastructure in the areas shown in Figure 1.