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[NR/PLANT/0200](#) Issue 7

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- [NR/PLANT/0200 F017](#)
- [NR/PLANT/0200 F018](#)
- [NR/PLANT/0200 F019](#)
- [NR/PLANT/0200 F020](#)
- [NR/PLANT/0200 F021](#)
- [NR/PLANT/0200 F022](#)
- [NR/PLANT/0200 F023](#)
- [NR/PLANT/0200 F024](#)
- [NR/PLANT/0200 F025](#)

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Plant 0200

NR/PLANT/0200

Infrastructure Plant Manual

Publication Date: 05 December 2015

Ref:	NR/PLANT/0200
Issue:	7
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User information

This Network Rail document contains colour-coding according to the following Red–Amber–Green classification.

Red requirements – no variations permitted

- Red requirements are to be complied with and achieved at all times.
- Red requirements are presented in a red box.
- Red requirements are monitored for compliance.
- Non-compliances will be investigated and corrective actions enforced.

Amber requirements – variations permitted subject to approved risk analysis and mitigation

- Amber requirements are to be complied with unless an approved variation is in place.
- Amber requirements are presented with an amber sidebar.
- Amber requirements are monitored for compliance.
- Variations can only be approved through the national non-compliance process.
- Non-approved variations will be investigated and corrective actions enforced.

Green guidance – to be used unless alternative solutions are followed

- Guidance should be followed unless an alternative solution produces a better result.
- Guidance is presented with a dotted green sidebar.
- Guidance is not monitored for compliance.
- Alternative solutions should be documented to demonstrate effective control.

Amendment marks

- First document amendments are presented with a single black line to the right of the affected text.
- Second document amendments are presented with a double black line to the right of the affected text.

Ref:	NR/PLANT/0200
Issue:	7
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Reference documentation

AEDE00007XX	Unimog Access platform fault finding guide
AP 0001	M&EE group audit protocol for supply of possession only rail vehicles with and without operators
BS 6166-3: 1988	Lifting slings - Part 3: Guide to selection and safe use of lifting slings for multi-purposes
BS 7121-1:2006	Code of practice for safe use of cranes – Part 1: General
BS 8460	Safe use of MEWPs - Code of practice
BS EN 13977	Railway applications – Track - Safety requirements for portable machines and trolleys for construction and maintenance
BS EN 280	Mobile elevating work platforms - design calculations – stability criteria - construction - safety - examinations and tests
BS EN ISO 5674	Tractors and machinery for agriculture and forestry. Guards for power take-off (PTO) drive-shafts. Strength and wear tests and acceptance criteria
BS7121	
CPA 1002	Construction plant-hire association – Best practice guidance for MEWPs, avoiding trapping/crushing injuries to people in the platform.
CPA 1101	Construction plant-hire association - Safe use of telehandlers in construction.
EH40/2005	Workplace exposure limits (COSHH)
GE/RT8000	Rule Book
GE/RT8000/HB10	Rule Book; Handbook 10 Duties of the COSS and person in charge when using a hand trolley
GE/RT8000/HB15	Rule Book; Handbook 15 Duties of the machine controller (MC) and on-track plant operator
GE/RT8000/HB16	Rule Book; Handbook 16 AC electrified lines
GE/RT8000/HB17	Rule Book; Handbook 17 DC electrified lines
GE/RT8000/HB2	Rule Book; Handbook 2 Instructions for track workers who use emergency protection equipment
GE/RT8000/HB7	Rule Book; Handbook 7 General duties of a controller of site safety
GE/RT8000/HB8	Rule Book; Handbook 8 IWA, COSS or PC blocking a line
GE/RT8000/OTM	Rule Book; Module OTM working of on-track machines (OTM)
GE/RT8000/SS2	Rule Book; Module SS2 shunting
GE/RT8250	Reporting high risk defects
GI/RT7033	Lineside operational safety signs
GM/RT2004	Rail vehicle maintenance
GM/RT2400	Engineering design and construction of on-track machines
GM/RT2466	Railway wheelsets

Ref:	NR/PLANT/0200
Issue:	7
Date:	05 December 2015
Compliance date:	07 March 2016

GMGN2497	Guidance on railway wheelset tread, gauging and damage identification
GO/RT3056 Section K	Working manual for rail staff: Freight train operations - Vehicles requiring special conditions of travel
GO/RT3451	Train movement – staff suitability and fitness requirements
HSE CIS58	The selection and management of mobile elevating work platforms
HSE GS6	Avoidance of danger from overhead electric power lines
HSE HSG47	Avoiding danger from underground services
HSE L5	Approved Code of Practice for the Control of Substances Hazardous to Health Regulations 2002
HSE OC234/16	Guidance on the safe use of magnetic lifting devices
HSE SIM 02/2007/01	Safe use of quick hitch devices on excavators
HSG 144	The safe use of vehicles on construction sites
NR/L1/INI/CP1010	Policy on working safely in the vicinity of buried services (formerly NR/L1/AMG/1010)
NR/L1/TRK/05200	Vegetation
NR/L2/CTM/200	Competence and training in on-track plant and on-track machine operation
NR/L2/CTM/205	Competence and training for the maintenance of traction and rolling stock and on-track machines
NR/L2/CTM/220	Competence and training in portable, transportable and mobile plant operation
NR/L2/EBM/STP001	Managing standards
NR/L2/ELP/27238	Maintenance specification for fixed plant equipment (formerly NR/SP/ELP/27238)
NR/L2/INV/002	Accident and incident reporting and investigation
NR/L2/NDS/203	Loading and securing of infrastructure traffic
NR/L2/OHS/00124	Competence specific medical fitness requirements
NR/L2/OHS/019	Safety of people working on or near the line
NR/L2/OHS/022	Working safely at height
NR/L2/RMVP/0090	Management of maintenance for traction and rolling stock, on track machines and on track plant
NR/L2/RMVP/0172	Management of the control and calibration of inspection, measuring and test equipment
NR/PLANT/0200_F015	Maintenance parking brake test record – trailer or attachment
NR/PLANT/0200_F016	On-track plant reference brake test report
NR/PLANT/0200_F017	On-track plant routine brake test report
NR/PLANT/0200_F018	Maintenance brake test record - trolley
NR/PLANT/0200_F021	Plant monitoring record form
NR/PLANT/0200_F022	Safety related plant defect reporting form
NR/PLANT/0200_F023	Checks following fitment of a module/attachment

Ref:	NR/PLANT/0200
Issue:	7
Date:	05 December 2015
Compliance date:	07 March 2016

NR/PLANT/0200_F024	Unimog alert incident record form
NR/PLANT/0200_F025	Unimog RPSE inspection check sheet
NR/L2/RMVP/1332	Wheelset and axle bearing manual
NR/L2/RSE/100	Network Rail acceptance panel processes
NR/L2/RSE/100/05	Product introduction and change
NR/L2/RVE/01327	Depot facilities
NR/L2/SIG/19608	Level crossing infrastructure inspection & maintenance (Formerly NR/SP/SIG/19608)
NR/L2/TRK/001	Inspection and maintenance of permanent way
NR/L2/TRK/2049	Track design handbook (formerly NR/SP/TRK/0049)
NR/L2/TRK/2102	Design and construction of track (formerly NR/SP/TRK/102 & RT/CE/S/102)
NR/L2/TRK/4040	Level crossing surface systems (formerly RT/CE/S/040)
NR/L2/TRK/5100	Management of fencing and other boundary measures (Formerly NR/SP/TRK/05100)
NR/L2/TRK/5201	Management of lineside vegetation
NR/L3/ELP/27237 - Work Instruction NR/OLE F04	Overhead line work instructions - The installation and removal of traction bonding on all electrified lines
NR/L3/INF02226/Schedules	
NR/L3/INI/CP0036	The provision of welfare facilities (NR/PRC/MPI/CP0036)
NR/L3/INI/CP0044	Work package planning process
NR/L3/INV/3001	Reporting and investigation manual
NR/L3/MTC/RCS0216/GA08	Ground penetration and excavations
NR/L3/NDS/047	
NR/L3/NDS/047/TMC08	Train operations manual - OTP machine/crane controller checklist
NR/L3/NDS/047/TMR19	Action to be taken in the event of an accident with a possession-only rail vehicle
NR/L3/NDS/048	
NR/L3/NDS/048/TMM003	Train operations manual - OTP machine/crane controller checklist
NR/L3/OCS/111	Weekly operating notice – format and content (formerly NR/L3/OPS/111)
NR/L3/RMVP/0201	Calibration work instruction manual
NR/PLANT/0200_F019	Brake Testing 'First of Type' Trolley
NR/PLANT/0200_F020	Brake Testing 'First of Type' Ironman
NR/SP/ELP/29987	Working on or about 25 kV AC electrified lines
NR/SP/TRK/102	Track construction standard
NR/WI/ELP/3091	DC electrified lines working instructions
ORR Railway Safety Publication 1	Developing and maintaining staff competence.

Ref:	NR/PLANT/0200
Issue:	7
Date:	05 December 2015
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PAS 55 -1 (2008)	Asset Management - Part 1: Specification for the optimised management of physical assets
PAS 55 -2 (2008)	Asset Management - Part 2: Guidelines for the application of PAS 55-1
RIS-1530-PLT	Rail industry standard for engineering acceptance of on-track plant and associated equipment
RIS-1700-PLT	Rail industry standard for safe use of plant for infrastructure work
RIS-1701-PLT	Rail industry standard for portable and transportable plant used for infrastructure work
RIS-1702-PLT	Rail industry standard for the design of on-track machines in working mode (Publication planned December 2012)
SI 1998 No. 2306	Provision and Use of Work Equipment Regulations
SI 1998 No. 2307	The lifting operations and lifting equipment regulations 1998 (LOLER)
SI 2002 No. 2677	Control of substances hazardous to health regulations 2002 (COSHH) plus amendments 2003 No 978 and 2004 No 3386
SI 2005 No. 735	The work at height regulations 2005
SI 2006 No. 397	The railways (interoperability) regulations 2006
SI 2006 No. 599	The railways and other guidance transport systems (safety) regulations 2006. (ROGS)
SI 2008 No. 1597	Supply of machinery (safety) regulations 2008
SMF/ME/0462	OTP under live OLE authorisation form
SMF/PL/0253	Authorised OTP Work Plan form
	The Health & Safety at Work etc Act 1974 (HASWA)

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Ref:	NR/PLANT/0200
Issue:	7
Date:	05 December 2015
Compliance date:	07 March 2016

Contents

1 Purpose	8
2 Scope	8
3 Roles and responsibilities	8
4 Risk Mitigation	11
5 Definitions	12
6 Arrangement of manual	21
7 Index of modules	22
Appendix A Incorporation of previous documents	24
Table 1 – Industry terminology associated with lifting operations.	8
Table 2 – Modules that are applicable to Job Roles.	10
Table 3 – Modules that mitigate high level risks.	11
Table 4 – Framework of infrastructure plant manual	21

Ref:	NR/PLANT/0200
Issue:	7
Date:	05 December 2015
Compliance date:	07 March 2016

1 Purpose

This manual details requirements and guidance when using plant for the installation, renewal and maintenance of Network Rail's managed infrastructure.

Application of this manual will support a safe working environment, compliance with statutory legislation and Network Rail's Health and Safety Management System.

2 Scope

This manual applies to all Network Rail functions and its Contractors when using plant described as;

- a) on-track machines;
- b) on-track plant;
- c) portable and transportable plant;
- d) mobile plant and road vehicles.

For infrastructure related activities, including but not limited to the installation, renewal, maintenance, inspection and measurement of the infrastructure and its components.

3 Roles and responsibilities

Table 1 identifies the competence required when working on Network Rail managed infrastructure and equivalent industry terms when involved with lifting operations.

NOTE: RIS-1700-PLT is not mandated for use on Network Rail managed infrastructure and has not been shown in Table 1.

Activity	Competence when working on Network Rail managed infrastructure	Equivalent competence / terminology used in;	
		LOLER	Construction Industry - BS7121
Produces and authorises lift plan	Lift Planner	Competent Person	Appointed Person
Amends and authorises lift plan on site	Lift Planner	Competent Person	Appointed Person
Safe control of lifting operations	Crane Controller	'Appropriately Supervised'	Crane Supervisor
Attaches/removes an accessory for lifting	Crane Controller or Slinger	Load Handler	Slinger/Signaller
Relays crane controller commands	Slinger	No equivalent term specified	Slinger/Signaller
Provides guidance for the movement of vehicles off track when manoeuvring	Banksman <i>Does not include lifting operations</i>	No equivalent term specified	Banksman <i>Does not include lifting operations</i>

Table 1 – Industry terminology associated with lifting operations.