

Ballast - Regulate - Mechanical

Scope

Includes: Regulating ballast using OTMs, RRVs
Excludes: Regulating ballast by hand

Preparation

Tools, equipment and plant items required but not limited to:

- Approved rail thermometer
- Approved back-to-back radios
- Shovels

Work planning considerations:

- Weather precaution and rail temperature
- Pre-work site inspection
- Type of OTM and associated movements
- Type of RRV, attachments and access
- Ballast regulation mileages incorporating specific locations and quantity of ballast to be redistributed
- Signalling requirements
- Support staff
- Traction requirements
- Proximity to DC electrified lines, other equipment and structures

Method

1. Check rail temperature is within operating limits.
2. Brief all persons involved, including the machine operator/driver, about the methodology and exact locations of ballast regulation.
3. Ensure competent person appointed in charge of plant movements prior to work starting.
4. Ensure clear communication with the machine operator/driver.
5. Prior to starting work mark up all cables and other track-mounted equipment that will require the brushes or ploughs to be lifted as the machine passes by.
6. Carry out ballast regulation removing excess ballast and leaving a compliant profile.
7. Utilise support staff to clear away any excess ballast from cables and other track mounted equipment.
8. After ballast regulation completed carry out inspection to ensure all infrastructure equipment free of excess ballast and working correctly.
9. Complete site record report.

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References

Supports Ellipse Standard job

- 009122 Ballast - Regulate - Mechanical

If applicable refer to the following directly associated documents:

- NR/SP/TRK/001 Inspection and Maintenance of Permanent Way
- NR/SP/TRK/102 Track Construction Standards
- NR/PRC/MTC/TK0002 Planning of Maintenance Works using OTMs
- NR/PRC/MTC/TK0003 Control of OTMs
- NR/PRC/MTC/TK0004 Preparation for use of OTMs
- NR/PRC/MTC/TK0005 Post Work Activities following works using OTMs
- NR/GN/TRK/7001/TWI3B014 How to prepare track for the ballast regulator
- NR/GN/TRK/7001/TWI3B016 How to regulate ballast by machine

- Risk Control Sheets:
 - NR/L3/MTC/0002/TK000 Generic Track Risks
 - NR/L3/MTC/0002/TK103 Working with ballast – Regulate, glue shoulder, clean contaminant & wet beds