



AUSTRALIAN RAIL TRACK CORPORATION LTD

Discipline: Engineering

Category: Procedure

Speed Restriction Management

PP-163

Applicability

ARTC Network Wide	✓
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Document Status

Version	Date Reviewed	Prepared by	Reviewed by	Endorsed	Approved
1.6	29 Jul 13	Standards	Stakeholders	Manager Standards	General Manager Technical Standards & Environment. 02/08/2013

Amendment Record

Version	Date Reviewed	Clause	Description of Amendment
1.4	15 Aug 06	Various	Minor amendments to include NSW requirements. Forms removed from procedure, reformatted and published separately as PP163F-01 and PP163F-02
1.5	09 Jan 09		Update to more accurately reflect current practice and remove superseded references such as Market Fax.
1.6	29 Jul 13		Addition of section 6.6 Amendments to Temporary Speed Restrictions and Amendments section added to PP163F-01 and the form updated.

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1 Purpose

This procedure provides guidelines for the management of speed restrictions on ARTC owned, leased or managed track.

2 Scope

This procedure covers the management of speed restrictions by ARTC and its Area Maintenance Contractors.

3 Reference Documents

- Department of Transport and Regional Services Code of Practice – Operations and Safeworking Volume 3, Part 1 Rules
- ARTC Track and Civil Code of Practice
- ARTC Safeworking Standards
- SP-03-11 Safe Notice Preparation and Distribution

4 Definitions

Term or acronym	Description
Maintainer	ARTC infrastructure staff or contractors who detect and repair any defective infrastructure asset
TrackSpeed	Database used for registering speed 'on' and 'off' of a particular section of track in NSW
NatRAMS	National Rail Access Management System used throughout ARTC and contains Speed Restriction Information for the Western Jurisdiction and Victoria

5 Responsibility

The following ARTC officers contribute to the management of the speed restriction process:

- Delivery Managers
- Contract or Project Managers;
- Data Controller;
- Manager Standards and Systems
- Network Controller;
- Train Transit Manager;
- Planning Adviser
- Team Manager
- Asset Data Administrator

6 Temporary Speed Restrictions

6.1 Identify and Document Fault

Infrastructure defects can be detected within the rail corridor during a planned inspection or work process. All defects that require a Temporary Speed Restriction shall be reported to train control by the person or persons identifying the defect.

When a train crew reports a fault, the Network Controller shall notify the relevant Maintainer and prepare a Train Control Report. The Train Transit Manager authorises the Train Control Report and distributes it to the Maintainer of the respective corridor.

It is the responsibility of Team Managers (TM) and Asset Data Administrators (ADA) to maintain records of added, amended and lifted speed restrictions.

6.2 Categorise Defect and Response

The Maintainer categorises the infrastructure defect condition based on criteria provided in ARTC Track and Civil Code of Practice/ARTC Engineering Standards and determines the speed restriction based on the defect level. The Maintainer estimates response times to conduct an unscheduled inspection and/or repair the defect and records this information on PP163F-01, Speed Restriction Notification.

6.3 Apply Speed Restriction and Notify Train Control

The Maintainer notifies the Network Controller of the location, maximum speed and any other relevant details of the restriction. The Network Controller shall notify the crew of every train passing through the area of speed restriction until the speed restriction is published. The Maintainer positions speed boards around the fault site as soon as practicable (usually within 24 hours). The Maintainer must notify the Network Controller immediately of any Amendments to Temporary Speed Restrictions via the PP163F-01 Speed Restriction Notification form to ensure Train crews are adequately informed.

6.4 Generate Speed Restriction Notification and Update NatRAMS/TrackSpeed

The Maintainer submits PP163F-01 Speed Restriction Notification to the ARTC Data Administrator.

For Western Jurisdiction and Victoria the ARTC Data Administrator enters the information into NatRAMS for access by network users via WebRAMS.

For NSW 'TrackSpeed' is updated and stored as a weekly report on the S Drive by the respective corridor administrator.

6.5 Removal of Speed Restrictions

When the infrastructure defect has been rectified, the Maintainer removes the speed restriction by submitting PP163F-01 Speed Restriction Notification, which is then removed from NatRAMS or TrackSpeed.

6.6 Amendment of Speed Restrictions

When the speed restriction is required to be modified, the maintainer is to fill out the "amendment" section on PP163F-01 Speed Restriction Notification. The maintainer is also to record the original TSR number and description in the "speed restriction added" section on the same form. This form is then submitted to the ARTC Data Administrator.

An existing speed restriction can only be modified if the kilometre limits do not exceed the kilometres within the segment in which the speed restriction has been originally placed. If the

kilometre limits do exceed the kilometres the speed restriction will be "removed" and a new one will be created.

If the limits of the Temporary Speed Restriction do not include any portion of the original Temporary Speed Restriction, a new TSR must be created.

7 Planned Speed Restrictions

7.1 Request for Speed Restriction

The need for Speed Restrictions should be identified early in the planning of a project. Required speed restrictions should be identified and approved as part of the project scope development. PP163F-01 Speed Restriction Notification is submitted (as per Sections 6.4, 6.5 and 6.6). For project contractors, this process may be coordinated through the Area Maintenance Contractor or as agreed prior to work commencing.

A Train Notice/SAFE Notice is issued prior to works commencing and, where possible, this notice will provide information relating to project works, including details of speed restrictions.

Planned speed restrictions are to be reviewed by the relevant Delivery or Project Manager on a regular basis.

7.2 Approval and Distribution

A copy of PP163F-01 Speed Restriction Notification is circulated to the relevant Project Manager, Area Maintenance Manager and the relevant Area Maintainer.

8 Speed Restriction Reporting

The Performance Engineer is responsible for preparing the Speed Restriction Report which consolidates all temporary speed restrictions on the ARTC owned, leased and managed network (except the Inland Route). This report will be compiled from information included in NatRAMS and TrackSpeed.

The report will detail:

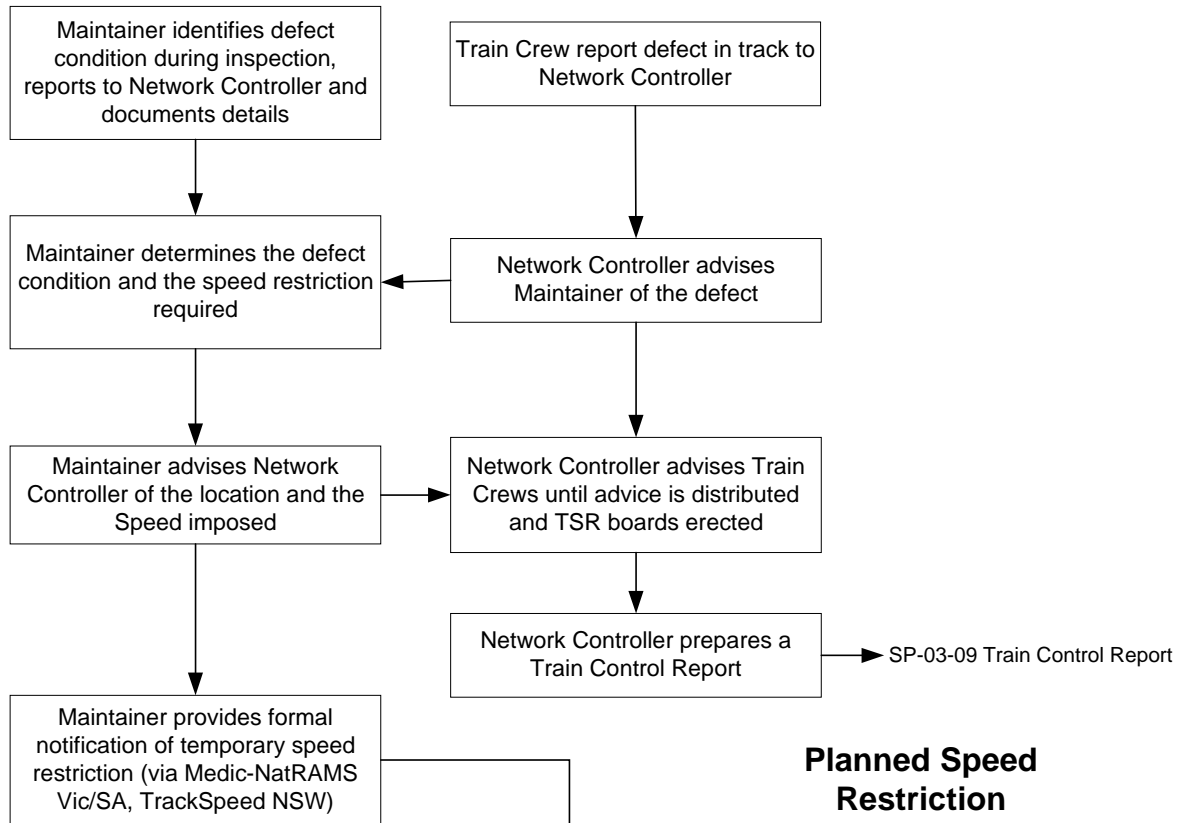
- TSR Number
- Location
- Length of TSR
- TSR time effect on trains of various classification
- Reason for TSR
- Planned removal date

The report shall be issued to all General Managers and the Chief Executive Officer for their subsequent distribution.

Frequency of preparation and issue is per calendar month as a minimum.

9 Flowchart

Temporary Speed Restriction



Planned Speed Restriction

