



AUSTRALIAN RAIL TRACK CORPORATION LTD

*This document has been adopted by the ARTC with the permission of the NSW Government and will continue to apply under the authority of the ARTC General Manager Infrastructure, Strategy & Performance until further notice*

**Discipline**  
**Engineering Standard – NSW**

**Category**  
**Signalling**

**Title**  
**Cleanliness and Lubrication of Mechanical Signalling Equipment**

**Reference Number**  
**SMP 19 – (RIC Standard: SC 00 52 00 19 SI)**

**Document Control**

<b>Status</b>	<b>Date</b>	<b>Prepared</b>	<b>Reviewed</b>	<b>Endorsed</b>	<b>Approved</b>
Issue 1 Revision 1	Mar 05	Standards and Systems	Standards Engineer	GM Infrastructure Strategy & Performance	Safety Committee
		Refer to Reference Number	H Olsen	M Owens	Refer to minutes of meeting 12/08/04

## **Disclaimer**

Australian Rail Track Corporation has used its best endeavors to ensure that the content, layout and text of this document is accurate, complete and suitable for its stated purpose. It makes no warranties, express or implied, that compliance with the contents of this document shall be sufficient to ensure safe systems of work or operation. Australian Rail Track Corporation will not be liable to pay compensation in respect of the content or subsequent use of this document for any other purpose than its stated purpose or for any purpose other than that for which it was prepared except where it can be shown to have acted in bad faith or there has been willful default.

## **Document Approval**

The technical content of this document has been approved by the relevant ARTC engineering authority and has also been endorsed by the ARTC Safety Committee.

## **Document Supply and Control**

The Primary Version of this document is the electronic version that is available and accessible on the Australian Rail Track Corporation Internet and Intranet website.

It is the document user's sole responsibility to ensure that copies are checked for currency against the Primary Version prior to its use.

## **Copyright**

The information in this document is Copyright protected. Apart from the reproduction without alteration of this document for personal use, non-profit purposes or for any fair dealing as permitted under the Copyright Act 1968, no part of this document may be reproduced, altered, stored or transmitted by any person without the prior written consent of ARTC.

## About This Standard

This Standard defines the signalling procedures to be implemented for the cleaning and lubricating of mechanical signalling equipment.

## Document History

**Primary Source** – ARTC Standard SC 00 52 00 19 SI Version 2.0

### List of Amendments –

<b>ISSUE</b>	<b>DATE</b>	<b>CLAUSE</b>	<b>DESCRIPTION</b>
1.1	14/03/2005	Disclaimer	Minor editorial change

# Contents

<b>1 GENERAL .....</b>	<b>6</b>
1.1 CLEANING .....	6
1.2 INTERLOCKING MACHINES AT INTERMEDIATE SIDINGS, INCLUDING DRAWER LOCKS ...	6

---

# 1 General

All mechanisms and connections shall be kept free from dirt and grit to reduce wear and help to reveal defects in their early stages.

## 1.1 Cleaning

Mechanical signalling equipment and connections, as applicable, shall be cleaned as explained below.

The cleaning should be done by means of knife or scraper and dry brush. After all dirt has been removed, the connections shall be lightly oiled. Any excess oil should be wiped off with a cloth or small brush.

Cotton waste shall not be used for applying or removing oil.

On sections where dusty conditions are experienced and in railway yards where various minerals are handled, the foregoing procedure shall be modified to suit circumstances, at the discretion of the Signal Engineer. The surface of the connections should be painted with a suitable paint and oil applied only to the joints, pins etc.

**All ballast, grit or dust or rubbish accumulating about connections shall be moved away, so that the connections work freely. Wet or damp conditions due to ineffective drainage, causing problems with equipment or connections, shall be reported to the civil staff.**

**Where required, points chairs are to be cleaned during routine maintenance or as rostered.**

Steel wool must not be used in any area where there is electrical signalling apparatus or circuits.

## 1.2 Interlocking Machines at Intermediate Sidings, including Drawer Locks

These machines are to be oiled and cleaned by the signalling maintainer in the same way as the machines in signal boxes.

For this purpose, the lock faces of the Annett locks and the covers of the drawer locks may be removed but great care must be taken not to interfere with the locking mechanism.

Each time a cover has been removed and replaced the Annett Lock or Drawer Lock, as the case may be, must be carefully tested.