



AUSTRALIAN RAIL TRACK CORPORATION LTD

Discipline: Engineering (Signalling)

Category: Standard

Facing Point Lock and Detection Testing – Combined Point Machine

SMP 30

Applicability

New South Wales	✓	CRIA (NSW CRN)	✓
-----------------	---	----------------	---

Primary Source

RIC Standard SC 00 52 00 30 SI Version 2.0
--

Document Status

Version	Date Reviewed	Prepared by	Reviewed by	Endorsed	Approved
1.3	2 June 2010	Standards	Manager Standards	Exec Manager SS&P 25/06/2010	CEO

Amendment Record

Version	Date Reviewed	Clause	Description of Amendment
1.1	1 September 2004		Reformatting to ARTC standard.
1.2	14 March 2005	Disclaimer	Minor editorial change. Footer reformatted.
1.3	2 June 2010	Various	Sections 1, 1.1 and 1.2 transferred to ESM-06-01. Document transferred to current template.

© Australian Rail Track Corporation Limited 2009

Disclaimer:

This document has been prepared by ARTC for internal use and may not be relied on by any other party without ARTC's prior written consent. Use of this document shall be subject to the terms of the relevant contract with ARTC.

ARTC and its employees shall have no liability to unauthorised users of the information for any loss, damage, cost or expense incurred or arising by reason of an unauthorised user using or relying upon the information in this document, whether caused by error, negligence, omission or misrepresentation in this document.

This document is uncontrolled when printed.

Authorised users of this document should visit ARTC's intranet or extranet (www.artc.com.au) to access the latest version of this document.

Contents

1	General	3
1.1	Facing Point Lock	3
1.2	Detection	3
1.3	Claw Locks	3
1.4	Clamp Locks	3

About This Standard

This document defines the procedures and tests to be followed when carrying out maintenance on a combined point machine, facing point lock and detector.

1 General

Refer to Section 3.1 General Procedure in ESM-06-01 Facing Point Lock and Detection Testing.

1.1 Facing Point Lock

Refer to Section 3.2 Facing Point Lock in ESM-06-01 Facing Point Lock and Detection Testing.

1.2 Detection

Refer to Section 3.3 Detection in ESM-06-01 Facing Point Lock and Detection Testing.

1.3 Claw Locks

Where points are driven and locked by claw lock assemblies, the facing point lock test shall be conducted using a no-go obstruction gauge of 4.8 mm placed between the stock rail running face and the switch in line with the drive rod.

The detection shall be gauge tested as described for conventional electric point machines.

1.4 Clamp Locks

Where points are driven and locked by clamp lock assemblies, the facing point lock test shall be conducted using the 1.6 mm and 3.2 mm obstruction gauges placed in turn between the stockrail running face and the switch in line with the lock arm.

The 2.5/4 mm obstruction gauge for the clamp lock detection test is placed between the detector blade and the detector blade lug. The detection is to be made at 2.5 mm and be open with the 4 mm gauge.