

Engineering Procedure

Signalling (Manual J)

CRN SP 000

MANUAL J – COVER PAGE AND INDEX

Version 1.7

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Document control

Revision	Date of Approval	Summary of change
V2.0	March 2005	SC 00 52 00 00 SI Manual J – Cover Page and Index
V1.0	July 2011	Conversion to CRN Signalling Standard CRN SP 000
V1.1	October 2012	Update of CRN SP 007 (V2.0) & CRN SP 025 (V1.1)
V1.2	January 2013	Update of CRN SP 007 (V2.1)
V1.3	May 2015	Update of CRN SP 024, CRN SP 047, CRN SP 040, CRN SP 034, CRN SP 041 & CRN SP 046 and remove CRN SP 015, CRN SP 032, CRN SP 033 & CRN SP 039.
V1.4	June 2015	Update of CRN SP 001, CRN SP 012, CRN SP 013, CRN SP 027, CRN SP 031, CRN SP 034, CRN SP 036, CRN SP 045 and CRN SP 051
V1.5	July 2015	Update of CRN SP 002, CRN SP 003, CRN SP 006, CRN SP 007, CRN SP 017, CRN SP 022, CRN SP 023, CRN SP 025, CRN SP 026, CRN SP 037, CRN SP 042, CRN SP 043, CRN SP 044, CRN SP 049, CRN SP 052 Withdrawn CRN SP 018
V1.6	August 2015	Update of CRN SP 004, CRN SP 005, CRN SP 008, CRN SP 010, CRN SP 011, CRN SP 014, CRN SP 021, CRN SP 029 and CRN SP 030 Withdrawn CRN SP 009, CRN SP 020 and CRN SP 035
V1.7	January 2017	Update of CRN SP 000, CRN SP 001, CRN SP 002, CRN SP 003, CRN SP 004, CRN SP 005, CRN SP 006, CRN SP 007, CRN SP 034 and CRN SP 049.

Summary of changes from previous version

Section	Summary of change
1	Update of CRN SP 000, CRN SP 001, CRN SP 002, CRN SP 003, CRN SP 004, CRN SP 005, CRN SP 006, CRN SP 007, CRN SP 034 and CRN SP 049.

1 Signalling Safeworking - Manual J

This Manual outlines the requirements to be followed when maintaining, interfering with and attending to failed conditions of the operational signalling infrastructure and systems.

The Manual includes 51 sections detailing the Safeworking and safety critical maintenance requirements to be followed when dealing with the various situations as listed below. 8 sections have been withdrawn as they are no longer relevant to the CRN – these will be retained as archives and available upon request as information only.

Document No	Title	Version	Date
CRN SP 000	Manual J – Cover Page and Index	1.7	Jan 2017
CRN SP 001	Introduction to Signalling Maintenance Procedures	1.2	Jan 2017
CRN SP 002	Bridging or False Feeding of Signalling Circuits	1.2	Jan 2017
CRN SP 003	Accidents or Derailments - Action to be Taken	1.2	Jan 2017
CRN SP 004	Failures	1.3	Jan 2017
CRN SP 005	Damage to Signalling Equipment Including Cables	1.2	Jan 2017
CRN SP 006	Release of Track Locking or Indication Locking	1.2	Jan 2017
CRN SP 007	Apparatus Seldom Used	2.3	Jan 2017
CRN SP 008	Booking Signalling Equipment Out of Use	1.0	July 2011
CRN SP 009	Disconnection of Signalling Apparatus	1.0	July 2011
CRN SP 010	Testing and Certifying Equipment During Maintenance	1.0	July 2011
CRN SP 011	Like for Like Renewals	1.0	July 2011
CRN SP 012	Repair/Replacement of Signalling Wires	1.1	May 2015
CRN SP 013	Field Paralleling of Signalling Contacts	1.1	May 2015
CRN SP 014	Document Control of Signal Plans and Circuit Books Issued to the Field	1.0	July 2011
CRN SP 015	+++++ withdrawn +++++		
CRN SP 016	Notification of Whereabouts and Liaison with Signallers	1.0	July 2011
CRN SP 017	Maintenance Responsibilities, Frequencies, Recording	1.1	June 2015
CRN SP 018	+++++ withdrawn +++++		
CRN SP 019	+++++ withdrawn +++++		
CRN SP 020	+++++ withdrawn +++++		
CRN SP 021	Minor Signalling Works on Maintenance Areas Involving Installing, Removal or Altering Signalling Equipment	1.0	July 2011
CRN SP 022	Testing of Interlockings	1.1	June 2015
CRN SP 023	Insulation Inspection and Testing	1.1	June 2015
CRN SP 024	Vital Signalling Relays	1.1	Apl 2015
CRN SP 025	Track Circuits	1.2	June 2015
CRN SP 026	Rerailing - Precautions to be Taken	1.1	June 2015
CRN SP 027	Traction Return (1500V DC)	1.1	May 2015

CRN SP 028	+++++ withdrawn +++++		
CRN SP 029	Facing Point Lock and Detection Testing- Mechanical	1.0	July 2011
CRN SP 030	Facing Point Lock and Detection Testing on Power Operated Points	1.0	July 2011
CRN SP 031	Maintenance of Signal Sighting Including Indicators and Signals	1.1	May 2015
CRN SP 032	+++++ withdrawn +++++		
CRN SP 033	+++++ withdrawn +++++		
CRN SP 034	Custody, Storage, Dispatch and Use of Staffs and Keys	2.1	Jan 2017
CRN SP 035	Use of Master Keys, XL Keys ,Staffs and Operators Keys	1.0	July 2011
CRN SP 036	Level Crossings	1.2	May 2015
CRN SP 037	Microtrax Coded Track Circuits	1.1	June 2015
CRN SP 038	Microlok Computer Based Interlocking	1.0	July 2011
CRN SP 039	+++++ withdrawn +++++		
CRN SP 040	Use of Radios Near Electronic Systems	1.1	May 2015
CRN SP 041	Pole Route	1.1	Apl 2015
CRN SP 042	Safety Issues for Signalling Personnel	1.1	June 2015
CRN SP 043	Irregularity Inspection and Testing	1.1	June 2015
CRN SP 044	General Signalling Maintenance Management, Administration and Supervision Responsibilities	1.1	June 2015
CRN SP 045	Surveillance Inspections	1.1	May 2015
CRN SP 046	Temporary Monitoring and Logging Equipment	1.1	Apl 2015
CRN SP 047	Calibration of Tools and Instruments for Signalling Applications	1.1	Mar 2015
CRN SP 048	Signalling Locations and Equip Locks and Keys	1.0	July 2011
CRN SP 049	Signal Engineering Waivers	1.3	Jan 2017
CRN SP 051	Axle Counters including Resetting Procedures	1.1	May 2015
CRN SP 052	Grade Predictors	1.1	June 2015