

Report Number	Category	Manufacturer	Product Description	Approval Conditions	Approval Category	Approval Status	Approved By	Type Approval Number	Approval Date	Expiry Date
CRN STP 001	Level Crossing	Precision Timer Co, Inc	Precision Timer Co-Series 606 Solid State Recycle Timer	Yes	Significant	Approved	Review Panel & Manager Standards		18/09/2012	n/a
n/a	Level Crossing	Western Cullen Hayes	Electronic Level Crossing Bell - 0777-CFR	Nil	Minor	Approved	Principal Signal Engineer	14 / 0001	11/02/2014	n/a
13 / 0001	MLI / Signal	Invensys	QEC1 12V LED Lamp proving relay	Nil	Significant	Approved	Principal Signal Engineer	14 / 0002	11/02/2014	n/a
13 / 0002	Vital Data Radio Link	Tranzeo	Tranzeo TR-902	Nil	Significant	Approved	Principal Signal Engineer	14 / 0003	12/05/2014	n/a
14 / 0004	Axle Counter	Frauscher	Frauscher FAdC Axle Counter	Direct cable installations only	Minor	Approved	Principal Signal Engineer	14 / 0004	01/08/2014	n/a
14 / 0005	Axle Counter	Frauscher	Frauscher FAdC Axle Counter including the COM_AdC communication module	Nil	Significant	Approved	Principal Signal Engineer	14 / 0005	24/11/2014	n/a
14 / 0006	Level Crossing	Safetran (Siemens)	Safetran S60 Level Crossing Barrier Machine	Nil	Minor	Approved	Principal Signal Engineer	14 / 0006	28/11/2014	n/a
15 / 0001	Level Crossing	Precision Timer Co, Inc	Precision Timer Co-Series 606 Solid State Recycle Timer	Nil	Minor	Approved	Principal Signal Engineer	15 / 0001	03/03/2015	n/a
15 / 0002	Cable Route	Rocla Concrete Products	Rocla DN1200 CPO cable chamber using ACCP design 2 piece Gal lid	Nil	Minor	Interim	Principal Signal Engineer	15 / 0002	16/04/2015	16/07/2015
15 / 0003	Signalling Relay	SelectRail	BRB 930 Series Q Type Relays	Non-electronic versions only	Minor	Interim	Principal Signal Engineer	15 / 0003	17/04/2015	17/07/2015
15 / 0004	Telemetry	Kingfisher	CP-12 and MC-12 RTU Modules	Nil	Minor	Interim	Principal Signal Engineer	15 / 0004	20/05/2015	20/07/2015
15 / 0005	Cable Route	Rocla Concrete Products	Rocla DN1200 CPO cable chamber using ACCP design 2 piece Gal lid	Nil	Minor	Approved	Principal Signal Engineer	15 / 0005	16/07/2015	n/a
15 / 0006	Signalling Relay	SelectRail	BRB 930 Series Q Type Relays	Non-electronic versions only	Minor	Approved	Principal Signal Engineer	15 / 0006	17/07/2015	n/a
15 / 0007	Telemetry	Kingfisher	CP-12 and MC-12 RTU Modules	Nil	Minor	Approved	Principal Signal Engineer	15 / 0007	20/07/2015	n/a
15 / 0008	Telemetry	Moxa Inc	AWK-5222-EU IEEE 802.11a/b/g dual-RF AP/bridge/client, EU band, 0-60 degrees C operating temperature	Field Trial at Warral LX	Minor	Interim	Principal Signal Engineer	15 / 0008	06/08/2015	06/11/2015
15 / 0009	Telemetry	Moxa Inc	AWK-5222-EU IEEE 802.11a/b/g dual-RF AP/bridge/client, EU band, 0-60 degrees C operating temperature	Nil	Minor	Approved	Principal Signal Engineer	15 / 0009	08/10/2015	n/a
15 / 0010	Power Supply	Exelectronics	Adjustable Voltage PSU and Battery Charger (Store 74 replacement)	Field Trial at a number of CRN sites	Minor	Interim	Principal Signal Engineer	15 / 0010	22/11/2015	22/05/2016
15 / 0011	Phoenix Train Control System	Ansaldo-STS	Update to Phoenix Train Control System to included 'Coded Blocks' as part of the Track Blocking functionality.	Nil	Major	Approved	Principal Signal Engineer	15 / 0011	14/03/2016	n/a
17 / 0001	Points Detection	John Holland CRN	Dark Territory Ground Frame Monitor	Nil	Minor	Non-Vital and Indication use only	Principal Signal Engineer	17 / 0001	01/02/2017	30/06/2018
17 / 0002	Relays	Mors Smitt UK	BR 930 Series Q Type Relays and BR 928 Q relay bases	Non-electronic versions only	Minor	Approved	Principal Signal Engineer	17 / 0002	22/02/2017	n/a
17 / 0003	Level Crossing	Aldridge Signals Pty Ltd	Aldridge level crossing red LED FL03 Replacement	Nil	Minor	Approved	Principal Signal Engineer	17 / 0003	01/03/2017	n/a

