**National Statement of Competence for a – Please Select a Role**

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| **Testing and Certification** | **Install** | **Maintain** | **Track Circuits** | **Install** | **Maintain** |
| Apparatus Function Test | Proficiency | Proficiency | Track Cct AC | Proficiency | Proficiency |
| Apparatus Inspection (Relay / Equipment / Wire Analysis / Server / Workstation / Telemetry) | Proficiency | Proficiency | Track Cct DC | Proficiency | Proficiency |
| Aspect Sequence Test | Proficiency | Proficiency | Track Cct GE Electrocode EC4 | Proficiency | Proficiency |
| Bell Continuity Test | Proficiency | Proficiency | Track Cct GE Electrocode EC5 | Proficiency | Proficiency |
| Circuit Function Test (incl Conduct Contact Proving) | Proficiency | Proficiency | Track Cct HVI | Proficiency | Proficiency |
| Circuit Strap and Function Test | Proficiency | Proficiency | Track Cct Siemens FS 2600 | Proficiency | Proficiency |
| Contact Proving Test | Proficiency | Proficiency | Track Cct Siemens PSO 4000 | Proficiency | Proficiency |
| Correlation Check | Proficiency | Proficiency | Track Cct Siemens PSO II | Proficiency | Proficiency |
| Documentation Check | Proficiency | Proficiency | Track Cct Siemens PSO III | Proficiency | Proficiency |
| Hand Trace | Proficiency | Proficiency | Track Cct Siemens SMTC | Proficiency | Proficiency |
| Insulation & Earth Leakage Tests | Proficiency | Proficiency | Track Cct UM71 / FS2500 / ML / ET200 | Proficiency | Proficiency |
| Level Crossing Sighting and Focusing | Proficiency | Proficiency | CBTC Trackside Equipment | Proficiency | Proficiency |
| Mechanical Locking Test | Proficiency | Proficiency | Track Cct USS Microtrax | Proficiency | Proficiency |
| Null Count | Proficiency | Proficiency | Traction Bonding 1500v DC systems | Proficiency | Proficiency |
| Point Lock & Detection Test | Proficiency | Proficiency | Traction Bonding 25Kv AC systems | Proficiency | Proficiency |
| Points Correspondence Test | Proficiency | Proficiency | TPWS Trackside Equipment | Proficiency | Proficiency |
| Points Out Of Correspondence Test | Proficiency | Proficiency | Trainstop JA / JAH / JAV / JAE | Proficiency | Proficiency |
| Signal Sighting Test & Focusing | Proficiency | Proficiency | Wheel Sensor Treadle Man / Electronic | Proficiency | Proficiency |
| Test to Control Tables | Proficiency | Proficiency | TPWS On-board Equipment | Proficiency | Proficiency |
| Through Circuit Function Test | Proficiency | Proficiency | Control Systems - Sigview TVS | Proficiency | Proficiency |
| Through System Function Test | Proficiency | Proficiency | **Interlocking** | **Install** | **Maintain** |
| Wire Count | Proficiency | Proficiency | Interlocking Relay Q / AC shelf / AC plug-in | Proficiency | Proficiency |
| **Level Crossing** | **Install** | **Maintain** | Interlocking Route Set Q / AC plug-in | Proficiency | Proficiency |
| Level Crossing Equipment Pedestrian Crossing | Proficiency | Proficiency | Interlocking Siemens Westrace MK1 / Mk2 | Proficiency | Proficiency |
| Level Crossing Equipment Road Crossing | Proficiency | Proficiency | Interlocking Microlok II | Proficiency | Proficiency |
| Level Crossing Monitor Broderson | Proficiency | Proficiency | Interlocking SSI Alstom Smartlock 400 | Proficiency | Proficiency |
| Level Crossing Monitor Cerberus | Proficiency | Proficiency | Interlocking SSI Mk1/Mk2 /Mk3 | Proficiency | Proficiency |
| Level Crossing Monitor Hima | Proficiency | Proficiency | Interlocking SSI Siemens Westlock | Proficiency | Proficiency |
| Level Crossing Monitor Sears | Proficiency | Proficiency | Interlocking Microlok II / HIMA / GRS VPI | Proficiency | Proficiency |
| Level Crossing Predicter XP-4 | Proficiency | Proficiency | Interlocking Vital Shelf Relays | Proficiency | Proficiency |
| Level Crossing Sighting Test & Focusing | Proficiency | Proficiency | Interlocking VPI | Proficiency | Proficiency |
| Locate Signalling Services | Proficiency | Proficiency | Interlocking / ATP - Westect | Proficiency | Proficiency |
| LX System GCP 3000 / GCP 4000 / GCP 5000 | Proficiency | Proficiency | Interlocking Hitachi WSP 1G/2G | Proficiency | Proficiency |
| LX System HXP 1 / HXP 3 | Proficiency | Proficiency | Interlocking / RBC Hitachi WSP 1G / 2G | Proficiency | Proficiency |

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| **Points Machine** | **Install** | **Maintain** | Interlocking Electric / Ordinary Train Staff | Proficiency | Proficiency |
| Point Mechanical | Proficiency | Proficiency | Interlocking Electro-Mechanical | Proficiency | Proficiency |
| Points Machine 84M / S700 | Proficiency | Proficiency | Interlocking GE ElectrologIXS | Proficiency | Proficiency |
| Points Machine GEC HW2000 / 4121 / 4400 | Proficiency | Proficiency | Interlocking Harmon VHLC | Proficiency | Proficiency |
| Points Machine M2 / M3A / M23A / M70 / SureLock | Proficiency | Proficiency | Interlocking HIMA | Proficiency | Proficiency |
| Points Machine Nippon 302A / 1200 / 1211 / 1401 | Proficiency | Proficiency | Mechanical Interlocking Ground Frames <=8 Levers | Proficiency | Proficiency |
| Points Machine Vossloh MCEM91 | Proficiency | Proficiency | Mechanical Interlocking Main Frames > 8 Levers | Proficiency | Proficiency |
| Points Machine Vostalpine Unistar HR | Proficiency | Proficiency | **Control Systems and ATP Systems** | **Install** | **Maintain** |
| Points Mechanical Bolt FPL / Eco Mment FPL | Proficiency | Proficiency | Control Systems Hard Wired Non-Vital Systems | Proficiency | Proficiency |
| Points System Electro Pneumatic SB / ES / A / S / T | Proficiency | Proficiency | Control Systems Hitachi TMS | Proficiency | Proficiency |
| Points System SPX ClampLock Mk1 / Mk2 / Mk3 | Proficiency | Proficiency | Control Systems VICOS | Proficiency | Proficiency |
| Railhead Locking - Claw / Spherolock / Clamp Lock | Proficiency | Proficiency | Elec Release SB / W'house / HLM | Proficiency | Proficiency |
| **Others** | **Install** | **Maintain** | Electrical Release | Proficiency | Proficiency |
| Power Supply, Power Supply Isolation | Proficiency | Proficiency | ATP Trackside Equipment / Balise data install | Proficiency | Proficiency |
| Power Supply Polarity Test & Phase Test | Proficiency | Proficiency | ETCS L1 Server / Workstation Equipment | Proficiency | Proficiency |
| ATMS Trackside TIU | Proficiency | Proficiency | ETCS L1 Trackside Equipment | Proficiency | Proficiency |
| AWS Trackside Equipment | Proficiency | Proficiency | ETCS L2 Server / Workstation Equipment | Proficiency | Proficiency |
| Axle Counter Bombardier EBI2000 | Proficiency | Proficiency | ETCS L2 Trackside Equipment | Proficiency | Proficiency |
| Axle Counter Frauscher FAdC / ACS2000 | Proficiency | Proficiency | ETCS Server / Workstation Equipment | Proficiency | Proficiency |
| Axle Counter Siemens ACM100 / ACM200 / ACM250 | Proficiency | Proficiency | Control Systems - Westcad / Westrol | Proficiency | Proficiency |
| Axle Counter Siemens AzS350 / AzS600 | Proficiency | Proficiency | Control Systems - ATRICS | Proficiency | Proficiency |
| Axle Counter Thales AzLM / AzLS | Proficiency | Proficiency | Control Systems - Phoenix | Proficiency | Proficiency |
| CBTC On-board Equipment | Proficiency | Proficiency | Control Systems - UTC | Proficiency | Proficiency |
| CBTC Server / workstation Equipment | Proficiency | Proficiency | **Signals** | **Install** | **Maintain** |
| Comms iMAC | Proficiency | Proficiency | Signal Sighting and focusing | Proficiency | Proficiency |
| Comms Kingfisher | Proficiency | Proficiency | Signal / Indicator Lamp / LED / Fibre Optic | Proficiency | Proficiency |
| Comms Microlok Vital Radio | Proficiency | Proficiency | Signal / Indicator Mechanical | Proficiency | Proficiency |
| Comms Moscad | Proficiency | Proficiency |  |  |  |
| Comms Rugged Com RS400 family / RS910 | Proficiency | Proficiency |  |  |  |
| Comms Westinghouse S2 | Proficiency | Proficiency |  |  |  |
| Comms SCADA 2000 / Dupline / IMAC / Kingfisher | Proficiency | Proficiency |  |  |  |
| Comms Westermo MRD family | Proficiency | Proficiency |  |  |  |

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| **Proficiency Definitions** | |
| **N** – Not yet competent or exposed – this level can be used to populate the SoC for the RIW Cardholder's awareness but does not require assessment to use this proficiency level. | |
| **P1** – A RIW Cardholder has limited knowledge obtained through either formal training or experience. The RIW Cardholder requires supervision in more complex tasks and activities to allow that person to gain relevant experience. May perform simple tasks unsupervised where previous experience can be demonstrated. | |
| **P2** – A RIW Cardholder who has sufficient knowledge through either formal training and/or experience allowing to work unsupervised in tasks and activities within the relevant experience. | |
| **RIW Cardholder** | |
| Name: | RIW Number: |
| Signature: | Date: |
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| **Certification by Assessor:** | |
| Name: | RIW Number: |
| Signature: | RIW Role: |
| Date: |