



RAILWAY INDUSTRY SUPPLIER QUALIFICATION SCHEME



Certificate of Audit

This is to certify that

Supplier Name
SYSTRA Limited

Supplier Number
1548

is now qualified by Audit on RISQS

Audit Expiry: 14/03/2020

A handwritten signature in black ink that reads 'G. Scott'.



RISQS Scheme Manager

Modules Covered

Industry Minimum Requirements

Supplier ID: 1548
Supplier Name: SYSTRA Limited

<u>Product Code</u>	<u>Product Name</u>	<u>Result</u>
B.C.1.1.1Q	Track Circuits (including Level Crossings) Design	✓
B.C.1.1.2Q	Track Circuit Interrupters Design	✓
B.C.1.1.3Q	Axle Counters (including Level Crossings) Design	✓
B.C.1.1.4Q	Treadles (including Level Crossings) Design	✓
B.C.1.2.1Q	Colour Light Signals Design	✓
B.C.1.2.2Q	Banner Signals Design	✓
B.C.1.2.3Q	Draw Ahead Signals Design	✓
B.C.1.2.4Q	Ground Position Light Signals Design	✓
B.C.1.2.5Q	Signal Lamps (including LEDs) & Lamp Holders Design	✓
B.C.1.2.6Q	Signal Lenses Design	✓
B.C.1.2.7Q	Points Indicators Design	✓
B.C.1.2.8Q	Right Away/Close Door Indicators (RA/CD) Design	✓
B.C.1.2.9Q	Off Indicators Design	✓
B.C.1.2.10Q	Train Ready To Start (TRTS) Design	✓
B.C.1.2.11Q	Marker Posts - Shunt & SPAD Indicators Design	✓
B.C.1.3.1Q	Level Crossing Controls Design	✓
B.C.1.3.2Q	Level Crossing Mechanical Equipment e.g. Booms & Barriers Design	✓
B.C.1.3.3Q	Level Crossing Warning Devices Design	✓
B.C.1.3.4Q	Light Units/Wig Wags Design	✓
B.C.1.3.5Q	Audible Devices - Bells Design	✓
B.C.1.3.6Q	Signage Design	✓
B.C.1.3.7Q	Predictor (New Level Crossing Train Detection System) Design	✓
B.C.1.4.1Q	HPSS Design	✓
B.C.1.4.2Q	Clamplock Points Design	✓
B.C.1.4.3Q	Point Machines Design	✓
B.C.1.4.4Q	Mechanical Backdrive Design	✓
B.C.1.4.5Q	Powerlink Backdrive Design	✓
B.C.1.4.6Q	SO (Hydraulic Backdrive) Design	✓
B.C.1.5.1Q	Patrolman Switch Design	✓
B.C.1.5.2Q	ATWS Design	✓
B.C.1.6.1Q	Route Relay Interlocking Free Wired Both Yellow Book & Western Region I	✓
B.C.1.6.2Q	West Pac 1,2,3,4 Design	✓
B.C.1.6.3Q	GEC Geographical Design	✓
B.C.1.6.4Q	SSI Design	✓
B.C.1.7.1Q	Signal Control Panel NX Design	✓
B.C.1.7.2Q	Signal Control Panel - One Switch NX Design	✓
B.C.1.7.3Q	VDU Based Systems Design	✓
B.C.1.7.4Q	IECC Signal Control & Indication Equipment Design	✓
B.C.1.7.5Q	RETB Signal Control & Indication Equipment Design	✓
B.C.1.8.1Q	Train Describers (Mechanical) Design	✓
B.C.1.8.2Q	Train Describers (Electronic) Design	✓
B.C.1.9.1Q	Ground Frames Manual Design	✓
B.C.1.9.2Q	Ground Frames Powered Design	✓
B.C.1.9.3Q	Lever Frames (Mechanical & Electro Mechanical) Design	✓
B.C.1.9.4Q	Semaphore Signals Design	✓

<u>Product Code</u>	<u>Product Name</u>	<u>Result</u>
B.C.1.9.5Q	Mechanical & Fabricated Equipment Design	✓
B.C.1.9.6Q	Block Instruments Design	✓
B.C.1.9.7Q	Token Instruments Design	✓
B.C.1.10.1Q	ATP Equipment Design	✓
B.C.1.10.2Q	AWS Track Equipment Design	✓
B.C.1.10.3Q	TPWS & Associated Equipment Design	✓
B.C.1.10.4Q	Tilt Authorisation & Speed Supervision Equipment Design	✓
B.C.1.11.1Q	Reed FDM Vital Design	✓
B.C.1.11.2Q	Reed FDM Non Vital Design	✓
B.C.1.11.3Q	TDM Design	✓
B.C.1.11.4Q	Signalling Cable Design	✓
B.C.1.12.2Q	Electronic Digital System Event Loggers Design	✓
B.C.1.12.3Q	Voltage Free Relay Event Loggers Design	✓
B.C.2.1.1Q	Telephone Exchanges (Including Switching Equipment) Design	✓
B.C.2.1.3Q	Recording Equipment Design	✓
B.C.2.1.4Q	UPS Design	✓
B.C.2.1.5Q	Battery Back-up - Rectifier Design	✓
B.C.2.1.6Q	Lineside Telephones Design	✓
B.C.2.2.1Q	Transmission Systems Design	✓
B.C.2.2.2Q	Telecommunication Housing & Enclosures - Active (Forced Ventilation/Heating) Design	✓
B.C.2.2.3Q	Telecommunication Housing & Enclosures - Passive Design	✓
B.C.2.2.4Q	Telecomm Cabling (Multiple Pair Copper) Design	✓
B.C.2.2.5Q	Telecomm Cabling (Co-Ax) Design	✓
B.C.2.2.6Q	Telecomm Cabling (Data Cabling) Design	✓
B.C.2.2.7Q	Telecomm Cabling (Fibre) Design	✓
B.C.2.2.8Q	UPS Design	✓
B.C.2.2.9Q	Battery Back-up - Rectifier Design	✓
B.C.2.3.1Q	Radio Systems Design	✓
B.C.2.3.2Q	Wireless Services Design	✓
B.C.2.4.1Q	CCTV DOO Systems Design	✓
B.C.2.4.2Q	Platform Safety Mirrors Design	✓
B.C.2.4.3Q	CCTV Surveillance Systems Design	✓
B.C.2.5Q	CIS Design	✓
B.C.3.1Q	Remote Condition Monitoring Design	✓
B.C.3.2Q	Overhead Line Monitoring Design	✓
B.C.3.3Q	Hot Axle Box Detectors Design	✓
B.C.3.4Q	Wheel Monitoring Design	✓
B.C.3.5Q	Selecting Door Opening Balises Design	✓
B.C.3.6Q	NDT Inspection Equipment Design	✓
B.C.3.7Q	TIMS Design	✓
B.C.3.8Q	Butterfly Valve Operation (Mechanical & Motorised) Design	✓
B.C.3.9Q	Bridge Strike Monitoring Design	✓
B.C.3.10Q	Rock Fall (& Other) Detectors Design	✓
B.C.3.11Q	Weather Stations Design	✓
B.C.3.12Q	Mobile Temperature Monitoring Design	✓
B.C.3.13Q	Geotechnical Monitoring Design	✓
C.B.1.1Q	Plain Line Design	✓
C.B.1.2Q	Plain Line (Absolute Geometry) Design	✓
C.B.1.3Q	Gauge Measurement (Discreet Restrictions) Design	✓
C.B.1.4Q	Gauge Measurement (Tunnels) Design	✓

<u>Product Code</u>	<u>Product Name</u>	<u>Result</u>
C.B.1.5Q	Track on Longitudinal Timbers Design	✓
C.B.1.6Q	Direct Fastening Track Systems (e.g. Slab Track/Viper) Design	✓
C.B.2.1Q	Switches & Crossings Conventional Design	✓
C.B.3Q	Track Drainage Design	✓
C.C.1.1.1Q	Timber Structures Design	✓
C.C.1.1.2Q	Metallic Structures (Including Cast Iron) & Steel Fabrication Design	✓
C.C.1.1.3Q	Masonry Structures (Including Brickwork) Design	✓
C.C.1.1.4Q	Reinforced Concrete Structures Design	✓
C.C.1.1.5Q	Fibre Reinforced Polymer (FRP) Strengthening & Renewal Design	✓
C.C.1.1.6Q	Pre-cast Concrete Structures & Pre-stressed Concrete Structures Design	✓
C.C.1.2.1Q	Tunnels Design	✓
C.C.1.2.2Q	Tunnel Linings Design	✓
C.C.1.2.3Q	Tunnel Drainage Design	✓
C.C.1.3.1Q	Metallic Structures Design	✓
C.C.1.3.2Q	Masonry Structures (Including Brickwork) Design	✓
C.C.1.3.3Q	Reinforced Concrete Structures Design	✓
C.C.1.3.4Q	Concrete-encased Plastic Pipes Design	✓
C.C.2.1Q	Gantries Design	✓
C.C.2.2Q	Cantilevers Design	✓
C.C.2.3Q	Straight Posts Design	✓
C.C.2.4Q	Equipment Foundations Design	✓
C.C.3.1.1.1N	Underbridge Assessment Service	✓
C.C.3.1.1.2N	Overbridges Assessment Service	✓
C.C.3.1.2.1N	Equipment Support Structures Service	✓
C.C.3.1.2.2N	Bridges, Culverts & Retaining Walls Service	✓
C.C.3.1.2.3N	Tunnels Service	✓
C.C.3.1.2.4N	Coastal & Estuary Defences Service	✓
C.C.3.1.2.5N	Earthworks Service	✓
C.C.3.2.12Q	Piling Design	✓
C.C.3.2.15Q	Scour Protection Design	✓
C.C.3.2.23Q	Track Support Concrete (Slab Track) Design	✓
C.C.3.2.26Q	Waterproofing Design	✓
C.C.3.4.8.1Q	Earthworks (Embankments, Cuttings etc.) Design	✓
C.C.3.4.8.3.1Q	Masonry Structures Design	✓
C.C.3.4.8.3.2Q	Concrete Structures (Mass & Reinforced) Design	✓
C.C.3.4.8.3.3Q	Reinforced Earth Structures Design	✓
C.C.3.4.8.3.4Q	Gabion Walls Design	✓
C.C.3.4.8.3.5Q	Sheet Pile Walls Design	✓
C.C.3.4.8.4Q	Ground Anchors Design	✓
C.C.3.4.8.5Q	Soil Nailing Design	✓
C.C.3.4.8.6Q	Earthworks Drainage Design	✓
C.C.3.4.8.7Q	Rock Netting Design	✓
C.C.3.4.8.8Q	Rock Scaling Design	✓
C.C.3.4.8.9Q	Rock Anchors Design	✓
C.C.3.4.8.10Q	Ground Stabilisation (including Lime) Design	✓
C.D.1.1Q	Foundations (Piled) Design	✓
C.D.1.2Q	Foundations (Conventional) Design	✓
C.D.1.3Q	Steel Frame Design	✓
C.D.1.4Q	Concrete Frame Design	✓
C.D.1.5Q	Timber Frame Design	✓

<u>Product Code</u>	<u>Product Name</u>	<u>Result</u>
C.D.2.2Q	Stairs Design	✓
C.D.2.3Q	External Walls Design	✓
C.D.2.10Q	External Works (Drainage, Including Surface, Foul & Sewerage Treatment)	✓
C.D.2.11Q	Minor Building Work (Including Ancillary Buildings & Alterations to Existing	✓
C.D.3.5Q	Electrical Installations Design	✓
C.D.4.3Q	Specialist Doors & Windows Design	✓
C.D.4.5Q	Ticket Barriers Design	✓
C.D.4.6Q	Turnstiles Design	✓
C.D.4.9Q	Modular Buildings & REBs (For Equipment Installation) Design	✓
C.D.6.1Q	Lifts Design	✓
C.D.7.1Q	Platforms Including Copers, Paving & Tarmac Design	✓
D.E.1.2Q	UPS up to 10 KVA Design	✓
D.E.1.3Q	UPS above 10 KVA Design	✓
D.E.2.1Q	Substation Switchgear (Including Control & Protection) Design	✓
D.E.2.1T	Substation Switchgear (Including Control & Protection) Commission	✓
D.E.2.1Z	Substation Switchgear (Including Control & Protection) Decommission	✓
D.E.2.2Q	HV Transformers Design	✓
D.E.2.2T	HV Transformers Commission	✓
D.E.2.2Z	HV Transformers Decommission	✓
D.E.2.3Q	HV Cabling Design	✓
D.E.2.3T	HV Cabling Commission	✓
D.E.2.3Z	HV Cabling Decommission	✓
D.E.5.1Q	Fixed Ventilation Systems Design	✓
D.E.7.1Q	Chargers for Signalling Equipment Design	✓
D.E.7.2Q	Transformers & Transformer Rectifiers Design	✓
D.E.7.3Q	Point T/J (Transformer Rectifiers) Design	✓
D.E.7.4Q	Earth Leakage Detectors Design	✓
D.E.7.5Q	Batteries Design	✓
F.C.1.1Q	Main Steelwork Design	✓
F.C.1.1T	Main Steelwork Commission	✓
F.C.1.1Z	Main Steelwork Decommission	✓
F.C.1.2Q	Small Part Steelwork Design	✓
F.C.1.2T	Small Part Steelwork Commission	✓
F.C.1.2Z	Small Part Steelwork Decommission	✓
F.C.1.4Q	Support System Design	✓
F.C.1.4T	Support System Commission	✓
F.C.1.4Z	Support System Decommission	✓
F.C.1.5Q	Wiring Design	✓
F.C.1.5T	Wiring Commission	✓
F.C.1.5Z	Wiring Decommission	✓
F.C.1.6Q	Earthing & Bonding Design	✓
F.C.1.6T	Earthing & Bonding Commission	✓
F.C.1.6Z	Earthing & Bonding Decommission	✓
F.C.1.7Q	Switching Design	✓
F.C.1.7T	Switching Commission	✓
F.C.1.7Z	Switching Decommission	✓
F.C.2.1Q	ETE Conductor Rail & Associated Cabling Design	✓
F.C.2.1T	ETE Conductor Rail & Associated Cabling Commission	✓
F.C.2.1Z	ETE Conductor Rail & Associated Cabling Decommission	✓
F.C.2.2Q	Depot Conductor Systems Design	✓

<u>Product Code</u>	<u>Product Name</u>	<u>Result</u>
F.C.2.2T	Depot Conductor Systems Commission	✓
F.C.2.2Z	Depot Conductor Systems Decommission	✓
F.C.2.3Q	ETE Negative Bonding Design	✓
F.C.2.3T	ETE Negative Bonding Commission	✓
F.C.2.3Z	ETE Negative Bonding Decommission	✓
F.C.3.1Q	Substations/Switching Stations Design	✓
F.C.3.1T	Substations/Switching Stations Commission	✓
F.C.3.1Z	Substations/Switching Stations Decommission	✓
F.C.3.2Q	HV Cabling Design	✓
F.C.3.2T	HV Cabling Commission	✓
F.C.3.2Z	HV Cabling Decommission	✓
F.C.3.3Q	Trackside Equipment Design	✓
F.C.3.3T	Trackside Equipment Commission	✓
F.C.3.3Z	Trackside Equipment Decommission	✓
F.C.4.1Q	Substations/Switching Stations/Track Paralleling Huts Design	✓
F.C.4.1T	Substations/Switching Stations/Track Paralleling Huts Commission	✓
F.C.4.1Z	Substations/Switching Stations/Track Paralleling Huts Decommission	✓
F.C.4.2Q	DC Cabling Design	✓
F.C.4.2T	DC Cabling Commission	✓
F.C.4.2Z	DC Cabling Decommission	✓
F.C.4.3Q	Trackside Equipment Design	✓
F.C.4.3T	Trackside Equipment Commission	✓
F.C.4.3Z	Trackside Equipment Decommission	✓
H.E.11.1Q	Traction SCADA Design	✓
H.E.11.1T	Traction SCADA Commission	✓
H.E.11.1Z	Traction SCADA Decommission	✓
H.E.11.2Q	Non-Traction SCADA Design	✓