



# Certificate of Verification

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*This is to certify that*

Supplier Name

**Robel Bahnbaumaschinen GmbH**

Supplier ID

**5283**

*is now a verified supplier on RISQS*

Subscription Expiry Date: 16/11/2022

*G. Scott*

RISQS Scheme Manager



## RICCL Code Summary

**Supplier Name:** Robel Bahnbaumaschinen GmbH

**Supplier Number:** 5283

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
A.A.4N	Calibration Service	Verified
C.B.1.3M	Gauge Measurement (Discreet Restrictions) Manufacture	Verified
C.B.1.3P	Gauge Measurement (Discreet Restrictions) Supply	Verified
C.B.1.4M	Gauge Measurement (Tunnels) Manufacture	Verified
C.B.1.4P	Gauge Measurement (Tunnels) Supply	Verified
D.D.2N	Small Plant Service	Verified
D.D.2P	Small Plant Supply	Verified
D.D.2V	Small Plant Maintain	Verified
D.D.2W	Small Plant Overhaul	Verified
D.D.4N	Lifting Accessories & Inspection/Certification Service	Verified
D.D.4P	Lifting Accessories & Inspection/Certification Supply	Verified
D.D.4V	Lifting Accessories & Inspection/Certification Maintain	Verified
D.D.4W	Lifting Accessories & Inspection/Certification Overhaul	Verified
D.D.5N	Plant Tagging & Calibration Service	Verified
D.D.6N	Trackside Lighting, Temporary & Permanent Service	Verified
D.D.6P	Trackside Lighting, Temporary & Permanent Supply	Verified
D.D.6V	Trackside Lighting, Temporary & Permanent Maintain	Verified
D.D.6W	Trackside Lighting, Temporary & Permanent Overhaul	Verified
D.D.7N	Hand Tools Service	Verified
D.D.7P	Hand Tools Supply	Verified
D.D.7V	Hand Tools Maintain	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
D.D.7W	Hand Tools Overhaul	Verified
D.D.8P	Materials & Parts (Plant & Tools) Supply	Verified
D.D.9N	Inspection, Test, Monitoring & Measuring Equipment Service	Verified
D.D.9P	Inspection, Test, Monitoring & Measuring Equipment Supply	Verified
D.D.9V	Inspection, Test, Monitoring & Measuring Equipment Maintain	Verified
D.D.9W	Inspection, Test, Monitoring & Measuring Equipment Overhaul	Verified
E.H.1P	Infrastructure Maintenance, Renewal & Incident Machines Supply	Verified
E.H.1Q	Infrastructure Maintenance, Renewal & Incident Machines Design	Verified
E.H.1V	Infrastructure Maintenance, Renewal & Incident Machines Maintain	Verified
E.H.1W	Infrastructure Maintenance, Renewal & Incident Machines Overhaul	Verified
E.H.3P	Rail Vehicle Modules Supply	Verified
E.H.3Q	Rail Vehicle Modules Design	Verified
E.H.3V	Rail Vehicle Modules Maintain	Verified
E.H.3W	Rail Vehicle Modules Overhaul	Verified
E.H.4P	Rail Vehicle Mounted Cranes Supply	Verified
E.H.4Q	Rail Vehicle Mounted Cranes Design	Verified
E.H.4V	Rail Vehicle Mounted Cranes Maintain	Verified
E.H.4W	Rail Vehicle Mounted Cranes Overhaul	Verified
E.H.5P	Snow clearance fleet Supply	Verified
E.H.5Q	Snow clearance fleet Design	Verified
E.H.5V	Snow clearance fleet Maintain	Verified
E.H.5W	Snow clearance fleet Overhaul	Verified
E.K.1.1.1P	Plastic Supply	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.1.1.1V	Plastic Maintain	Verified
E.K.1.1.1W	Plastic Overhaul	Verified
E.K.1.1.2P	Roller Supply	Verified
E.K.1.1.2V	Roller Maintain	Verified
E.K.1.1.2W	Roller Overhaul	Verified
E.K.1.1.3P	White Metal Supply	Verified
E.K.1.1.3V	White Metal Maintain	Verified
E.K.1.1.3W	White Metal Overhaul	Verified
E.K.1.10.1P	Gasket Supply	Verified
E.K.1.10.2P	Dynamic seal Supply	Verified
E.K.1.11.1P	Single core cables < 5mm <sup>2</sup> Supply	Verified
E.K.1.11.1V	Single core cables < 5mm <sup>2</sup> Maintain	Verified
E.K.1.11.1W	Single core cables < 5mm <sup>2</sup> Overhaul	Verified
E.K.1.11.2P	Single core cables => 5mm <sup>2</sup> Supply	Verified
E.K.1.11.2V	Single core cables => 5mm <sup>2</sup> Maintain	Verified
E.K.1.11.2W	Single core cables => 5mm <sup>2</sup> Overhaul	Verified
E.K.1.11.3P	Multicore cables Supply	Verified
E.K.1.11.3V	Multicore cables Maintain	Verified
E.K.1.11.3W	Multicore cables Overhaul	Verified
E.K.1.11.4P	Cable Harness Supply	Verified
E.K.1.11.4V	Cable Harness Maintain	Verified
E.K.1.11.4W	Cable Harness Overhaul	Verified
E.K.1.11.5P	Cable markers Supply	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.1.11.5V	Cable markers Maintain	Verified
E.K.1.11.5W	Cable markers Overhaul	Verified
E.K.1.11.6P	Cable Ducts and Conduit Supply	Verified
E.K.1.11.6V	Cable Ducts and Conduit Maintain	Verified
E.K.1.11.6W	Cable Ducts and Conduit Overhaul	Verified
E.K.1.11.7P	General Purpose Springs and Clips Supply	Verified
E.K.1.11.7V	General Purpose Springs and Clips Maintain	Verified
E.K.1.11.7W	General Purpose Springs and Clips Overhaul	Verified
E.K.1.12P	Machined Components Supply	Verified
E.K.1.12V	Machined Components Maintain	Verified
E.K.1.12W	Machined Components Overhaul	Verified
E.K.1.13P	Fabricated Components Supply	Verified
E.K.1.13W	Fabricated Components Overhaul	Verified
E.K.1.15.1P	Coating Supply	Verified
E.K.1.15.1W	Coating Overhaul	Verified
E.K.1.15.2P	Intumescent Paint Supply	Verified
E.K.1.15.2W	Intumescent Paint Overhaul	Verified
E.K.1.16.1P	Grease Supply	Verified
E.K.1.16.1W	Grease Overhaul	Verified
E.K.1.16.2P	Oil Supply	Verified
E.K.1.16.2W	Oil Overhaul	Verified
E.K.1.17.1P	Silicone Supply	Verified
E.K.1.17.1W	Silicone Overhaul	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.1.17.2P	Thread locking adhesive Supply	Verified
E.K.1.17.2W	Thread locking adhesive Overhaul	Verified
E.K.1.2.1P	Plugs and Sockets Supply	Verified
E.K.1.2.1V	Plugs and Sockets Maintain	Verified
E.K.1.2.1W	Plugs and Sockets Overhaul	Verified
E.K.1.2.2P	Connecting Material Supply	Verified
E.K.1.2.2V	Connecting Material Maintain	Verified
E.K.1.2.2W	Connecting Material Overhaul	Verified
E.K.1.3.1P	Cabinets, Rack Systems, Frames and Panels Supply	Verified
E.K.1.3.1V	Cabinets, Rack Systems, Frames and Panels Maintain	Verified
E.K.1.3.1W	Cabinets, Rack Systems, Frames and Panels Overhaul	Verified
E.K.1.4.1P	General Purpose Fasteners Supply	Verified
E.K.1.4.2P	Critical Fasteners Supply	Verified
E.K.1.5.1P	Compressed air filters Supply	Verified
E.K.1.5.1V	Compressed air filters Maintain	Verified
E.K.1.5.1W	Compressed air filters Overhaul	Verified
E.K.1.5.2P	Atmospheric air filters Supply	Verified
E.K.1.5.2V	Atmospheric air filters Maintain	Verified
E.K.1.5.2W	Atmospheric air filters Overhaul	Verified
E.K.1.5.3P	Oil/Fuel Filters Supply	Verified
E.K.1.5.3V	Oil/Fuel Filters Maintain	Verified
E.K.1.5.3W	Oil/Fuel Filters Overhaul	Verified
E.K.1.6.1P	Compressed Air Hose Supply	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.1.6.1V	Compressed Air Hose Maintain	Verified
E.K.1.6.1W	Compressed Air Hose Overhaul	Verified
E.K.1.6.2P	Vacuum Hose Supply	Verified
E.K.1.6.2V	Vacuum Hose Maintain	Verified
E.K.1.6.2W	Vacuum Hose Overhaul	Verified
E.K.1.6.3P	Liquid Hose Supply	Verified
E.K.1.6.3V	Liquid Hose Maintain	Verified
E.K.1.6.3W	Liquid Hose Overhaul	Verified
E.K.1.6.4P	Waste hose Supply	Verified
E.K.1.6.4V	Waste hose Maintain	Verified
E.K.1.6.4W	Waste hose Overhaul	Verified
E.K.1.7.1P	Circuit Breakers Supply	Verified
E.K.1.7.1V	Circuit Breakers Maintain	Verified
E.K.1.7.1W	Circuit Breakers Overhaul	Verified
E.K.1.7.2P	Printed circuit boards Supply	Verified
E.K.1.7.2V	Printed circuit boards Maintain	Verified
E.K.1.7.2W	Printed circuit boards Overhaul	Verified
E.K.1.7.3P	Relays Supply	Verified
E.K.1.7.3V	Relays Maintain	Verified
E.K.1.7.3W	Relays Overhaul	Verified
E.K.1.7.4P	Indicators Supply	Verified
E.K.1.7.4V	Indicators Maintain	Verified
E.K.1.7.4W	Indicators Overhaul	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.1.7.5P	Switches Supply	Verified
E.K.1.7.5V	Switches Maintain	Verified
E.K.1.7.5W	Switches Overhaul	Verified
E.K.1.7.6P	Control & Display Unit Supply	Verified
E.K.1.7.6V	Control & Display Unit Maintain	Verified
E.K.1.7.6W	Control & Display Unit Overhaul	Verified
E.K.1.8P	Pipes and Fittings Supply	Verified
E.K.1.8V	Pipes and Fittings Maintain	Verified
E.K.1.8W	Pipes and Fittings Overhaul	Verified
E.K.1.9.1P	Rubber matting Supply	Verified
E.K.1.9.1V	Rubber matting Maintain	Verified
E.K.1.9.1W	Rubber matting Overhaul	Verified
E.K.1.9.2P	Rubber composite bushes Supply	Verified
E.K.1.9.2V	Rubber composite bushes Maintain	Verified
E.K.1.9.2W	Rubber composite bushes Overhaul	Verified
E.K.10.2.6P	System Data Acquisition Supply	Verified
E.K.10.2.6V	System Data Acquisition Maintain	Verified
E.K.10.2.6W	System Data Acquisition Overhaul	Verified
E.K.10.5.5P	Track Circuit Assistor System Supply	Verified
E.K.10.5.5V	Track Circuit Assistor System Maintain	Verified
E.K.10.5.5W	Track Circuit Assistor System Overhaul	Verified
E.K.11.1P	Exterior lighting equipment Supply	Verified
E.K.11.1V	Exterior lighting equipment Maintain	Verified



## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.11.1W	Exterior lighting equipment Overhaul	Verified
E.K.11.2P	Interior lighting equipment Supply	Verified
E.K.11.2V	Interior lighting equipment Maintain	Verified
E.K.11.2W	Interior lighting equipment Overhaul	Verified
E.K.14.1P	Passenger Information Display Supply	Verified
E.K.14.1V	Passenger Information Display Maintain	Verified
E.K.14.1W	Passenger Information Display Overhaul	Verified
E.K.15.1.1P	Main Air Compressor Supply	Verified
E.K.15.1.1V	Main Air Compressor Maintain	Verified
E.K.15.1.1W	Main Air Compressor Overhaul	Verified
E.K.15.1.2P	Auxiliary Air Compressor Supply	Verified
E.K.15.1.2V	Auxiliary Air Compressor Maintain	Verified
E.K.15.1.2W	Auxiliary Air Compressor Overhaul	Verified
E.K.15.2.1P	Aftercooler Supply	Verified
E.K.15.2.1V	Aftercooler Maintain	Verified
E.K.15.2.1W	Aftercooler Overhaul	Verified
E.K.15.2.2P	Air Filter Supply	Verified
E.K.15.2.2V	Air Filter Maintain	Verified
E.K.15.2.2W	Air Filter Overhaul	Verified
E.K.15.2.3P	Air Driers Supply	Verified
E.K.15.2.3V	Air Driers Maintain	Verified
E.K.15.2.3W	Air Driers Overhaul	Verified
E.K.15.3P	Air Reservoir Supply	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.15.3V	Air Reservoir Maintain	Verified
E.K.15.3W	Air Reservoir Overhaul	Verified
E.K.15.4.1P	Valves Supply	Verified
E.K.15.4.1V	Valves Maintain	Verified
E.K.15.4.1W	Valves Overhaul	Verified
E.K.15.4.2P	Gauges Supply	Verified
E.K.15.4.2V	Gauges Maintain	Verified
E.K.15.4.2W	Gauges Overhaul	Verified
E.K.15.4.3P	Governor (Pressure Switch) Supply	Verified
E.K.15.4.3V	Governor (Pressure Switch) Maintain	Verified
E.K.15.4.3W	Governor (Pressure Switch) Overhaul	Verified
E.K.15.4.4P	Safety Valve Supply	Verified
E.K.15.4.4V	Safety Valve Maintain	Verified
E.K.15.4.4W	Safety Valve Overhaul	Verified
E.K.15.4.5P	Pressure Reducing Valve Supply	Verified
E.K.15.4.5V	Pressure Reducing Valve Maintain	Verified
E.K.15.4.5W	Pressure Reducing Valve Overhaul	Verified
E.K.15.4.6P	Automatic Drain Valve Supply	Verified
E.K.15.4.6V	Automatic Drain Valve Maintain	Verified
E.K.15.4.6W	Automatic Drain Valve Overhaul	Verified
E.K.15.5.1P	Hydraulic (Hydrostatic) Motor Supply	Verified
E.K.15.5.1V	Hydraulic (Hydrostatic) Motor Maintain	Verified
E.K.15.5.1W	Hydraulic (Hydrostatic) Motor Overhaul	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.15.6P	(Hydraulic system) treatment Supply	Verified
E.K.15.6V	(Hydraulic system) treatment Maintain	Verified
E.K.15.6W	(Hydraulic system) treatment Overhaul	Verified
E.K.15.7P	(Hydraulic system) storage Supply	Verified
E.K.15.7V	(Hydraulic system) storage Maintain	Verified
E.K.15.7W	(Hydraulic system) storage Overhaul	Verified
E.K.15.8.1P	Valves Supply	Verified
E.K.15.8.1V	Valves Maintain	Verified
E.K.15.8.1W	Valves Overhaul	Verified
E.K.16.1P	Supplementary Brake Equipment Supply	Verified
E.K.16.1V	Supplementary Brake Equipment Maintain	Verified
E.K.16.1W	Supplementary Brake Equipment Overhaul	Verified
E.K.16.2.1P	Brake Pad Supply	Verified
E.K.16.2.1V	Brake Pad Maintain	Verified
E.K.16.2.1W	Brake Pad Overhaul	Verified
E.K.16.2.2P	Brake Block Supply	Verified
E.K.16.2.2V	Brake Block Maintain	Verified
E.K.16.2.2W	Brake Block Overhaul	Verified
E.K.16.3.1P	Brake Actuator Supply	Verified
E.K.16.3.1V	Brake Actuator Maintain	Verified
E.K.16.3.1W	Brake Actuator Overhaul	Verified
E.K.16.3.2P	Brake Rigging Supply	Verified
E.K.16.3.2V	Brake Rigging Maintain	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.16.3.2W	Brake Rigging Overhaul	Verified
E.K.16.3.3P	Calipers Supply	Verified
E.K.16.3.3V	Calipers Maintain	Verified
E.K.16.3.3W	Calipers Overhaul	Verified
E.K.16.3.4P	Links and Pins Supply	Verified
E.K.16.3.4V	Links and Pins Maintain	Verified
E.K.16.3.4W	Links and Pins Overhaul	Verified
E.K.16.4.1P	Wheel slip/slide protection (WSP) equipment Supply	Verified
E.K.16.4.1V	Wheel slip/slide protection (WSP) equipment Maintain	Verified
E.K.16.4.1W	Wheel slip/slide protection (WSP) equipment Overhaul	Verified
E.K.16.4.2P	Electronic Brake Control Unit Supply	Verified
E.K.16.4.2V	Electronic Brake Control Unit Maintain	Verified
E.K.16.4.2W	Electronic Brake Control Unit Overhaul	Verified
E.K.16.5.1P	Electrical Control Equipment Supply	Verified
E.K.16.5.1V	Electrical Control Equipment Maintain	Verified
E.K.16.5.1W	Electrical Control Equipment Overhaul	Verified
E.K.16.5.2P	Pneumatic Control Equipment Supply	Verified
E.K.16.5.2V	Pneumatic Control Equipment Maintain	Verified
E.K.16.5.2W	Pneumatic Control Equipment Overhaul	Verified
E.K.17.10P	Drumswitch Supply	Verified
E.K.17.10V	Drumswitch Maintain	Verified
E.K.17.10W	Drumswitch Overhaul	Verified
E.K.17.11P	Inter-vehicle dampers Supply	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.17.11V	Inter-vehicle dampers Maintain	Verified
E.K.17.11W	Inter-vehicle dampers Overhaul	Verified
E.K.17.1P	Automatic (mechanical) coupling devices Supply	Verified
E.K.17.1V	Automatic (mechanical) coupling devices Maintain	Verified
E.K.17.1W	Automatic (mechanical) coupling devices Overhaul	Verified
E.K.17.2P	Manual coupling devices Supply	Verified
E.K.17.2V	Manual coupling devices Maintain	Verified
E.K.17.2W	Manual coupling devices Overhaul	Verified
E.K.17.3P	Semi-Permanent Coupler Supply	Verified
E.K.17.3V	Semi-Permanent Coupler Maintain	Verified
E.K.17.3W	Semi-Permanent Coupler Overhaul	Verified
E.K.17.4.1P	Electrical Control or Data Jumpers and Sockets Supply	Verified
E.K.17.4.1V	Electrical Control or Data Jumpers and Sockets Maintain	Verified
E.K.17.4.1W	Electrical Control or Data Jumpers and Sockets Overhaul	Verified
E.K.17.4.2P	Electrical Power Jumpers and Sockets Supply	Verified
E.K.17.4.2V	Electrical Power Jumpers and Sockets Maintain	Verified
E.K.17.4.2W	Electrical Power Jumpers and Sockets Overhaul	Verified
E.K.17.6P	Towing gear (emergency couplings) Supply	Verified
E.K.17.6V	Towing gear (emergency couplings) Maintain	Verified
E.K.17.6W	Towing gear (emergency couplings) Overhaul	Verified
E.K.17.7P	Drawgear Supply	Verified
E.K.17.7V	Drawgear Maintain	Verified
E.K.17.7W	Drawgear Overhaul	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.17.8.1P	Hydraulic buffers Supply	Verified
E.K.17.8.1V	Hydraulic buffers Maintain	Verified
E.K.17.8.1W	Hydraulic buffers Overhaul	Verified
E.K.17.8.2P	Spring buffers Supply	Verified
E.K.17.8.2V	Spring buffers Maintain	Verified
E.K.17.8.2W	Spring buffers Overhaul	Verified
E.K.17.8.3P	Rolling rubber buffers Supply	Verified
E.K.17.8.3V	Rolling rubber buffers Maintain	Verified
E.K.17.8.3W	Rolling rubber buffers Overhaul	Verified
E.K.17.9P	Gangways Supply	Verified
E.K.17.9V	Gangways Maintain	Verified
E.K.17.9W	Gangways Overhaul	Verified
E.K.2.1.10P	Crash Structure Supply	Verified
E.K.2.1.10W	Crash Structure Overhaul	Verified
E.K.2.1.11P	Full Vehicle body shell Supply	Verified
E.K.2.1.11W	Full Vehicle body shell Overhaul	Verified
E.K.2.1.2P	Underframe Supply	Verified
E.K.2.1.2W	Underframe Overhaul	Verified
E.K.2.1.3P	Side walls Supply	Verified
E.K.2.1.3W	Side walls Overhaul	Verified
E.K.2.1.4P	Roof Supply	Verified
E.K.2.1.4W	Roof Overhaul	Verified
E.K.2.1.5P	Head of vehicle Supply	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.2.1.5W	Head of vehicle Overhaul	Verified
E.K.2.1.6P	End wall Supply	Verified
E.K.2.1.6W	End wall Overhaul	Verified
E.K.2.1.7P	Intermediate horizontal structure Supply	Verified
E.K.2.1.7W	Intermediate horizontal structure Overhaul	Verified
E.K.2.1.8P	Structural partitions Supply	Verified
E.K.2.1.8W	Structural partitions Overhaul	Verified
E.K.2.1.9.1P	Obstacle Deflectors Supply	Verified
E.K.2.1.9.1W	Obstacle Deflectors Overhaul	Verified
E.K.2.1.9.2P	Anti Climbers Supply	Verified
E.K.2.1.9.2W	Anti Climbers Overhaul	Verified
E.K.2.1.9.3P	Bolsters Supply	Verified
E.K.2.1.9.3W	Bolsters Overhaul	Verified
E.K.3.11P	Labels and Signs Supply	Verified
E.K.3.11V	Labels and Signs Maintain	Verified
E.K.3.11W	Labels and Signs Overhaul	Verified
E.K.4.1.1P	Traction bogie Supply	Verified
E.K.4.1.1V	Traction bogie Maintain	Verified
E.K.4.1.1W	Traction bogie Overhaul	Verified
E.K.4.1.2P	Trailer bogie Supply	Verified
E.K.4.1.2W	Trailer bogie Overhaul	Verified
E.K.4.1.3P	Bogie Frame Supply	Verified
E.K.4.1.3W	Bogie Frame Overhaul	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.4.1.4.1P	Earthing Return and Bonding Supply	Verified
E.K.4.1.4.1V	Earthing Return and Bonding Maintain	Verified
E.K.4.1.4.1W	Earthing Return and Bonding Overhaul	Verified
E.K.4.1.4.2P	Axle Brush Supply	Verified
E.K.4.1.4.2V	Axle Brush Maintain	Verified
E.K.4.1.4.2W	Axle Brush Overhaul	Verified
E.K.4.1.4.3P	Lifeguard Supply	Verified
E.K.4.1.4.3V	Lifeguard Maintain	Verified
E.K.4.1.4.3W	Lifeguard Overhaul	Verified
E.K.4.1.4.4.1P	Sanding Delivery equipment Supply	Verified
E.K.4.1.4.4.1V	Sanding Delivery equipment Maintain	Verified
E.K.4.1.4.4.1W	Sanding Delivery equipment Overhaul	Verified
E.K.4.1.4.4.2P	Hotbox detector Supply	Verified
E.K.4.1.4.4.2V	Hotbox detector Maintain	Verified
E.K.4.1.4.4.2W	Hotbox detector Overhaul	Verified
E.K.4.1.4.5P	Flange Lubrication System Supply	Verified
E.K.4.1.4.5V	Flange Lubrication System Maintain	Verified
E.K.4.1.4.5W	Flange Lubrication System Overhaul	Verified
E.K.4.2.1P	Axle Supply	Verified
E.K.4.2.1W	Axle Overhaul	Verified
E.K.4.2.2P	Wheel Supply	Verified
E.K.4.2.2W	Wheel Overhaul	Verified
E.K.4.2.3P	Axlebox Supply	Verified



## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.4.2.3W	Axlebox Overhaul	Verified
E.K.4.2.4P	Wheel Bearing Supply	Verified
E.K.4.2.4W	Wheel Bearing Overhaul	Verified
E.K.4.2.5P	Gearwheel Supply	Verified
E.K.4.2.5W	Gearwheel Overhaul	Verified
E.K.4.2.6P	Brake Disc Supply	Verified
E.K.4.2.6W	Brake Disc Overhaul	Verified
E.K.4.2.7P	TM Sus Tube Supply	Verified
E.K.4.2.7W	TM Sus Tube Overhaul	Verified
E.K.4.3.1P	Adjustment Supply	Verified
E.K.4.3.1V	Adjustment Maintain	Verified
E.K.4.3.1W	Adjustment Overhaul	Verified
E.K.4.3.2P	Metal springs Supply	Verified
E.K.4.3.2V	Metal springs Maintain	Verified
E.K.4.3.2W	Metal springs Overhaul	Verified
E.K.4.3.3P	Rubber springs Supply	Verified
E.K.4.3.3V	Rubber springs Maintain	Verified
E.K.4.3.3W	Rubber springs Overhaul	Verified
E.K.4.3.4P	Airbag Supply	Verified
E.K.4.3.4V	Airbag Maintain	Verified
E.K.4.3.4W	Airbag Overhaul	Verified
E.K.4.3.5P	Active Components Supply	Verified
E.K.4.3.5V	Active Components Maintain	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.4.3.5W	Active Components Overhaul	Verified
E.K.4.3.6P	Passive Components Supply	Verified
E.K.4.3.6V	Passive Components Maintain	Verified
E.K.4.3.6W	Passive Components Overhaul	Verified
E.K.4.4P	Dampers Supply	Verified
E.K.4.4V	Dampers Maintain	Verified
E.K.4.4W	Dampers Overhaul	Verified
E.K.4.5.5P	Anti Roll Bar Supply	Verified
E.K.4.5.5V	Anti Roll Bar Maintain	Verified
E.K.4.5.5W	Anti Roll Bar Overhaul	Verified
E.K.5.5.1P	HT Cable Supply	Verified
E.K.5.5.1V	HT Cable Maintain	Verified
E.K.5.5.1W	HT Cable Overhaul	Verified
E.K.5.5.2P	Insulators/Bushing Supply	Verified
E.K.5.5.2V	Insulators/Bushing Maintain	Verified
E.K.5.5.2W	Insulators/Bushing Overhaul	Verified
E.K.5.5.4P	Power Supply Supply	Verified
E.K.5.5.4V	Power Supply Maintain	Verified
E.K.5.5.4W	Power Supply Overhaul	Verified
E.K.6.1.1P	Engine Mount Supply	Verified
E.K.6.1.1V	Engine Mount Maintain	Verified
E.K.6.1.1W	Engine Mount Overhaul	Verified
E.K.6.3.1P	Fuel Tank Supply	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.6.3.1V	Fuel Tank Maintain	Verified
E.K.6.3.1W	Fuel Tank Overhaul	Verified
E.K.6.3.2P	Fuel Lift Pump Supply	Verified
E.K.6.3.2V	Fuel Lift Pump Maintain	Verified
E.K.6.3.2W	Fuel Lift Pump Overhaul	Verified
E.K.6.3.3P	High Pressure Pump Supply	Verified
E.K.6.3.3V	High Pressure Pump Maintain	Verified
E.K.6.3.3W	High Pressure Pump Overhaul	Verified
E.K.6.3.4P	Governor Supply	Verified
E.K.6.3.4V	Governor Maintain	Verified
E.K.6.3.4W	Governor Overhaul	Verified
E.K.6.3.5P	Fuel Rack Supply	Verified
E.K.6.3.5V	Fuel Rack Maintain	Verified
E.K.6.3.5W	Fuel Rack Overhaul	Verified
E.K.6.3.6P	Electronic Control System Supply	Verified
E.K.6.3.6V	Electronic Control System Maintain	Verified
E.K.6.3.6W	Electronic Control System Overhaul	Verified
E.K.6.6.1P	Radiator Supply	Verified
E.K.6.6.1V	Radiator Maintain	Verified
E.K.6.6.1W	Radiator Overhaul	Verified
E.K.6.6.2P	Water Pump Supply	Verified
E.K.6.6.2V	Water Pump Maintain	Verified
E.K.6.6.2W	Water Pump Overhaul	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.6.6.3P	Radiator Fan Supply	Verified
E.K.6.6.3V	Radiator Fan Maintain	Verified
E.K.6.6.3W	Radiator Fan Overhaul	Verified
E.K.6.6.4P	Coolant Header Tank Supply	Verified
E.K.6.6.4V	Coolant Header Tank Maintain	Verified
E.K.6.6.4W	Coolant Header Tank Overhaul	Verified
E.K.6.7P	Traction Alternator / Generator Supply	Verified
E.K.6.7V	Traction Alternator / Generator Maintain	Verified
E.K.6.7W	Traction Alternator / Generator Overhaul	Verified
E.K.7.10.3P	Final Drive Supply	Verified
E.K.7.10.3V	Final Drive Maintain	Verified
E.K.7.10.3W	Final Drive Overhaul	Verified
E.K.7.11P	Hydraulic Traction Equipment Supply	Verified
E.K.7.11V	Hydraulic Traction Equipment Maintain	Verified
E.K.7.11W	Hydraulic Traction Equipment Overhaul	Verified
E.K.7.1P	Traction and braking converters Supply	Verified
E.K.7.1V	Traction and braking converters Maintain	Verified
E.K.7.1W	Traction and braking converters Overhaul	Verified
E.K.7.4.1P	Contactors and Simple switchgear Supply	Verified
E.K.7.4.1V	Contactors and Simple switchgear Maintain	Verified
E.K.7.4.1W	Contactors and Simple switchgear Overhaul	Verified
E.K.7.4.2P	Cam Shafts and Tap Changer Supply	Verified
E.K.7.4.2V	Cam Shafts and Tap Changer Maintain	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.7.4.2W	Cam Shafts and Tap Changer Overhaul	Verified
E.K.7.5.1P	Traction and braking resistors Supply	Verified
E.K.7.5.1V	Traction and braking resistors Maintain	Verified
E.K.7.5.1W	Traction and braking resistors Overhaul	Verified
E.K.7.5.2P	Fans Supply	Verified
E.K.7.5.2V	Fans Maintain	Verified
E.K.7.5.2W	Fans Overhaul	Verified
E.K.7.5.3P	Radiator Supply	Verified
E.K.7.5.3V	Radiator Maintain	Verified
E.K.7.5.3W	Radiator Overhaul	Verified
E.K.7.5.4P	Pump Supply	Verified
E.K.7.5.4V	Pump Maintain	Verified
E.K.7.5.4W	Pump Overhaul	Verified
E.K.7.6.1P	Traction Battery Supply	Verified
E.K.7.6.1V	Traction Battery Maintain	Verified
E.K.7.6.1W	Traction Battery Overhaul	Verified
E.K.7.6.2P	Flywheel Supply	Verified
E.K.7.6.2V	Flywheel Maintain	Verified
E.K.7.6.2W	Flywheel Overhaul	Verified
E.K.7.7P	Transformer Supply	Verified
E.K.7.7V	Transformer Maintain	Verified
E.K.7.7W	Transformer Overhaul	Verified
E.K.7.8P	Traction Smoothing Choke (DC Choke) Supply	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.7.8V	Traction Smoothing Choke (DC Choke) Maintain	Verified
E.K.7.8W	Traction Smoothing Choke (DC Choke) Overhaul	Verified
E.K.7.9.1P	Stator Supply	Verified
E.K.7.9.1V	Stator Maintain	Verified
E.K.7.9.1W	Stator Overhaul	Verified
E.K.7.9.2P	Rotor Supply	Verified
E.K.7.9.2V	Rotor Maintain	Verified
E.K.7.9.2W	Rotor Overhaul	Verified
E.K.7.9.3P	Brushgear Supply	Verified
E.K.7.9.3V	Brushgear Maintain	Verified
E.K.7.9.3W	Brushgear Overhaul	Verified
E.K.7.9.4P	Carbon Brushes Supply	Verified
E.K.7.9.4V	Carbon Brushes Maintain	Verified
E.K.7.9.4W	Carbon Brushes Overhaul	Verified
E.K.8.1.1P	Automatic (Train Protection) Warning System (AWS/TPWS) Supply	Verified
E.K.8.1.1V	Automatic (Train Protection) Warning System (AWS/TPWS) Maintain	Verified
E.K.8.1.1W	Automatic (Train Protection) Warning System (AWS/TPWS) Overhaul	Verified
E.K.8.1.3P	Automatic Train Operation (ATO) Supply	Verified
E.K.8.1.3V	Automatic Train Operation (ATO) Maintain	Verified
E.K.8.1.3W	Automatic Train Operation (ATO) Overhaul	Verified
E.K.8.1.4.1P	DSD/Vigilance System Supply	Verified
E.K.8.1.4.1V	DSD/Vigilance System Maintain	Verified
E.K.8.1.4.1W	DSD/Vigilance System Overhaul	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.8.1.5P	Power Generation Controls Supply	Verified
E.K.8.1.5V	Power Generation Controls Maintain	Verified
E.K.8.1.5W	Power Generation Controls Overhaul	Verified
E.K.8.1.6P	Power Supply Controls Supply	Verified
E.K.8.1.6V	Power Supply Controls Maintain	Verified
E.K.8.1.6W	Power Supply Controls Overhaul	Verified
E.K.8.1.7P	Tilt Control System Supply	Verified
E.K.8.1.7V	Tilt Control System Maintain	Verified
E.K.8.1.7W	Tilt Control System Overhaul	Verified
E.K.8.1.8P	Couple/Uncouple Controls Supply	Verified
E.K.8.1.8V	Couple/Uncouple Controls Maintain	Verified
E.K.8.1.8W	Couple/Uncouple Controls Overhaul	Verified
E.K.8.1.9P	Sanding Controls Supply	Verified
E.K.8.1.9V	Sanding Controls Maintain	Verified
E.K.8.1.9W	Sanding Controls Overhaul	Verified
E.K.8.2.4.6P	Controls for Power Storage System Supply	Verified
E.K.8.2.4.6V	Controls for Power Storage System Maintain	Verified
E.K.8.2.4.6W	Controls for Power Storage System Overhaul	Verified
E.K.9.1.1P	Motor Alternator (MA Set) Supply	Verified
E.K.9.1.1V	Motor Alternator (MA Set) Maintain	Verified
E.K.9.1.1W	Motor Alternator (MA Set) Overhaul	Verified
E.K.9.1.2P	Auxiliary Alternator Supply	Verified
E.K.9.1.2V	Auxiliary Alternator Maintain	Verified

## RICCL Code Summary

<u>RICCL Code</u>	<u>Name</u>	<u>Status</u>
E.K.9.1.2W	Auxiliary Alternator Overhaul	Verified
E.K.9.2.1P	Auxiliary Power Converter Supply	Verified
E.K.9.2.1V	Auxiliary Power Converter Maintain	Verified
E.K.9.2.1W	Auxiliary Power Converter Overhaul	Verified
E.K.9.3.1P	Battery Supply	Verified
E.K.9.3.1V	Battery Maintain	Verified
E.K.9.3.1W	Battery Overhaul	Verified
E.K.9.3.2P	Battery Charger Supply	Verified
E.K.9.3.2V	Battery Charger Maintain	Verified
E.K.9.3.2W	Battery Charger Overhaul	Verified