



# Supplier Qualification Scheme



## Certificate of Verification

*This is to certify that*

Supplier Name

**Robel Bahnbaumaschinen GmbH**

Supplier ID

**5283**

*is now a verified supplier on RISQS*

Subscription Expiry Date: 16/11/2021

*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      |