

RISQS-GD-001 - Product and Service Guide (RICCL Brochure)



Version	Date Issued	Change
Issue 1		Initial issue
Issue 2	23-April-2019	New RISQS Logo
Issue 3	23-Sept-2020	H.H.5 Drugs and Alcohol Testing split into two RICCL Codes - H.H.5.1 Alcohol & Drugs Testing (Sentinel) and H.H.5.2 For Cause Drugs and Alcohol Testing D.B.1. On Track Plant (OTP) with/without Operator – Manufacturing – change from Verifiable to Auditable to align with the requirements of NR/L2/SCO/302 Amended title

Explaining RISQS Product and Service Codes (RICCL)

Product and Service Codes

The product and service codes used within RISQS are taken directly from the Rail Industry Commodity Classification List or “RICCL”.

By selecting the codes that reflect their business activities, suppliers make themselves available for selection within buyer searches.

What is RICCL?

The Railway Industry Commodity Classification List includes all commodities that are purchased to support GB railway operations and provides a common vocabulary for the benefit of both buyers and suppliers who are participants in railway supply.

It aligns with international standards (especially ISO 81346) while utilising the best of existing models. This will allow “mapping” from existing systems to the new structure.

Structure

The Commodity Classification System is a hierarchical classification system used by the railway industry. All entities are identified with a structured alpha-numeric code which both indicates its location in the list and uniquely classifies it.

The Commodity Classification System is split into eight sub-systems. Each subsystem consists of its classes. These could be termed as its ‘children’. Each class is part of its subsystem; this could be termed its ‘parent’. The prefixes A-H identify which sub-system a commodity belongs to.

RICCL Levels

- A Transverse Railway Services and Supplies
- B Control Command and Signalling
- C Infrastructure
- D Plant
- E Rail Vehicles
- F Energy
- G Operations and Traffic Management
- H General Business Supplies & Services

Further information can be found here: www.risqs.org

RISQS Product & Services Activities

M-Manufacture	N-Provide Service	P-Supply	Q-Design	R-Operate	S-Construct/Build	T-Commission
Applicable to original manufacturers of products, on-track plant, attachments and associated equipment	Applicable to providers of a complete service including consultancy and to owners of plant who hire to others. Please note that where you are supplying an operator, and dependent on the type plant, you will also need to hold the relevant contingent Labour code A.A.1.8 (Plant Operators) or A.A.1.9 (OTP Operators).	Applicable to suppliers/ original equipment manufacturers of on-track plant, attachments and associated safety critical equipment.	Applicable to suppliers providing outline or detailed design services.	Applicable to suppliers engaged in the control and management of on-track plant operations.	Applicable to suppliers who undertake building or civil engineering works "on-site" including the construction, disassembling and dismantling of assets	Applicable to suppliers who undertake commissioning of installations and construction work
U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission	
Applicable to supplier who undertake the removal and disposal of assets including materials and parts.	Applicable to suppliers offering the service of maintenance, repair and cleaning of assets and plant including on-track plant to others.	Applicable to suppliers offering the service of refurbishment of assets and plant off site including on-track plant to others.	Applicable to suppliers who undertake installation works "onsite"	Applicable to suppliers offering the service of modification, upgrading and retrofitting of buildings, structures, or on-track plant to others.	Applicable to suppliers who undertake decommissioning of installations and construction work	

What are Product and Service Activities?

The RICCL product and service codes used by RISQS are defined by Product & Service Activities at their final level in the hierarchy. Further information relating to those activities can be found above.

Product Code Type

V – Verification: these RICCL codes require verification of a supplier's RISQS profile answers before publication of the applicable status.

A – Auditable: in addition to the above, these codes will require a RISQS audit. Please note, a RISQS audit may also be triggered via alternative routes eg. answers to specific profile questions.

Contact RISQS

If you have any questions regarding these activities, please contact the RISQS team on **(0) 800 4101 300** or email **info@risqs.org**

Special Assessments:

Requirement of and Recognition of Third-Party Authorisations, Licenses, Certification

For products or services that have a mandatory requirement it is now required that a supplier hold the relevant authorisation, license, or certification for the below product codes in order to offer these services through RISQS. The respective attestations are to be made available to RISQS and will be requested by the data checking team.

Environment Agency issued license for:

H.G.3.2 - Waste Disposal - Hazardous/Toxic - SERVICE

H.G.3.3 - Waste Disposal – Non-Hazardous & Non-Toxic - SERVICE

A.A.2.3.2 - Used Ballast Disposal - SERVICE

A.A.2.4 - Used Materials & Rail Clearance/Disposal – SERVICE

NSAR membership for:

A.B.5.6 - Track Safety Training – SERVICE

CAA Permission for Aerial Work and hold certification from a CAA approved National Qualified Entity (NQE) for:

C.C.3.2.31 - Provision of Unmanned Aerial Vehicles (Drones) over 50 meters from infrastructure – SERVICE

Holder of POS for:

D.B.1 - On-Track-Plant (OTP) with/without operator - OPERATE

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission	
	A.A.9.5			Train/OTM Drivers as Route Conductors								-	V	-	-	-	-	-	-	-	-	-	-	-
	A.A.9.6			Lookout Operated Warning Systems (LOWS), (LOWS LKT), (LOW								V	A	-	-	-	-	-	-	-	-	-	-	-
	A.B	Transverse Railway Supplies																						
	A.B.1	Prescribed Operational Equipment																						
	A.B.1.1			Timber Products (Including Brake Sticks)								V	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.1.10			Other Prescribed Operational Equipment								V	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.1.2			Wooden Handle Staves								V	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.1.3			Padlocks & Associated Fittings								V	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.1.4			Locks & Latches								V	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.1.5			Batteries								V	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.1.6			Horns & Whistles								V	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.1.7			Lamps & Spares								V	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.1.8			Flags								V	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.1.9			Lineside Signs (Including Signalling, Electrification & Track Datum f								V	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.2			Fasteners								V	V	V	-	-	-	-	-	-	-	-	-	-
	A.B.3			Station & Building Signs								V	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.4			Materials & Parts (Ancillary Staff Equipment/Facilities Supplies)								-	-	V	-	-	-	-	-	-	-	-	-	-
	A.B.5			Safety Management (Specific to Railway)																				
	A.B.5.1			Railway Safety Consultancy								-	V	-	-	-	-	-	-	-	-	-	-	-
	A.B.5.2			Development & Review of Safety Standards								-	V	-	-	-	-	-	-	-	-	-	-	-
	A.B.5.3			Submissions to HMRI/ORR								-	V	-	-	-	-	-	-	-	-	-	-	-
	A.B.5.4			Accident/Incident Investigation								-	V	-	-	-	-	-	-	-	-	-	-	-
	A.B.5.5			Safety Management System Review								-	V	-	-	-	-	-	-	-	-	-	-	-
	A.B.5.6			Track Safety Training (NSAR)								-	V	-	-	-	-	-	-	-	-	-	-	-
B - Control Command and Signalling																								
	B.B	Control Command and Signalling - Onboard																						
	B.B.1	Electronic Control System (ETCS)																						
	B.B.1.1			European Vital Computer (EVC)								V	-	V	V	-	-	V	V	V	V	V	V	V
	B.B.1.2			Specific Transmission Module (STM)								V	-	V	V	-	-	V	V	V	V	V	V	V
	B.B.1.3			Juridical Recorder Unit (JRU)								V	-	V	V	-	-	V	V	V	V	V	V	V
	B.B.1.4			Train Interface Unit (TIU)								V	-	V	V	-	-	V	V	V	V	V	V	V
	B.B.2			Heritage Automatic Train Protection (ATP) unit								V	-	V	A	-	-	A	V	A	A	A	A	A
	B.B.3			Automatic Train Operation (ATO) unit								V	-	V	A	-	-	A	V	A	A	A	A	A
	B.B.4			Operations Radio System								V	-	V	V	-	-	V	V	V	V	A	A	A
	B.B.5			GSM-R								V	-	V	V	-	-	V	V	V	V	V	V	V
	B.C	Control Command and Signalling - Trackside																						
	B.C.1	Signalling																						
	B.C.1.1			Train Detection Systems																				
	B.C.1.1.1			Track Circuits (including Level Crossings)								V	-	V	A	-	-	A	V	A	A	A	A	A

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission
	B.C.1.4.1				HPSS						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.4.2				Clamplock Points						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.4.3				Point Machines						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.4.4				Mechanical Backdrive						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.4.5				Powerlink Backdrive						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.4.6				SO (Hydraulic Backdrive)						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.5			Staff Protection Systems - Permanent																			
	B.C.1.5.1				Patrolman Switch						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.5.2				ATWS						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.6			Interlocking Systems - Excluding Mechanical																			
	B.C.1.6.1				Route Relay Interlocking Free Wired Both Yellow Book &						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.6.2				West Pac 1,2,3,4						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.6.3				GEC Geographical						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.6.4				SSI						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.6.5				SIMS W						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.6.6				Ansaldo						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.7			Control Systems																			
	B.C.1.7.1				Signal Control Panel NX						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.7.2				Signal Control Panel - One Switch NX						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.7.3				VDU Based Systems						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.7.4				IECC Signal Control & Indication Equipment						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.7.5				RETB Signal Control & Indication Equipment						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.8			Train Describers																			
	B.C.1.8.1				Train Describers (Mechanical)						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.8.2				Train Describers (Electronic)						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.9			Mechanical Signalling & Interlocking																			
	B.C.1.9.1				Ground Frames Manual						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.9.2				Ground Frames Powered						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.9.3				Lever Frames (Mechanical & Electro Mechanical)						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.9.4				Semaphore Signals						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.9.5				Mechanical & Fabricated Equipment						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.9.6				Block Instruments						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.1.9.7				Token Instruments						V	-	V	A	-	-	A	V	A	A	A	A	A
	B.C.2		Telecomms																				
	B.C.2.1			Operational Telecomms																			
	B.C.2.1.1				Telephone Exchanges (Including Switching Equipment)						V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.1.2				Telephone Concentrators (Including Switching Equipment)						V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.1.3				Recording Equipment						V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.1.4				UPS						V	-	V	A	-	-	A	A	A	A	A	A	A

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission	
	B.C.2.1.5				Battery Back-up - Rectifier							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.1.6				Lineside Telephones							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.2			Transmission																				
	B.C.2.2.1				Transmission Systems							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.2.10				Modem Services							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.2.2				Telecommunication Housing & Enclosures - Active (Force)							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.2.3				Telecommunication Housing & Enclosures - Passive							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.2.4				Telecomm Cabling (Multiple Pair Copper)							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.2.5				Telecomm Cabling (Co-Ax)							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.2.6				Telecomm Cabling (Data Cabling)							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.2.7				Telecomm Cabling (Fibre)							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.2.8				UPS							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.2.9				Battery Back-up - Rectifier							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.3			Radio																				
	B.C.2.3.1				Radio Systems							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.3.2				Wireless Services							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.3.3				Microwave Transmission Systems							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.3.4				Masts (Including Earthing & Lightning Protection)							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.4			CCTV																				
	B.C.2.4.1				CCTV DOO Systems							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.4.2				Platform Safety Mirrors							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.4.3				CCTV Surveillance Systems							V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.5			CIS								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.2.6			Materials & Parts (Telecomms)																				
	B.C.2.6.1				Materials & Parts (Telecomms)							V	-	V	-	-	-	-	-	-	-	-	-	-
	B.C.2.6.2				Telecomms Bearer Circuits							V	-	V	-	-	-	-	A	-	-	-	-	-
	B.C.3		Remote Monitoring Systems																					
	B.C.3.1			Remote Condition Monitoring								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.3.10			Rock Fall (& Other) Detectors								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.3.11			Weather Stations								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.3.12			Mobile Temperature Monitoring								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.3.13			Geotechnical Monitoring								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.3.2			Overhead Line Monitoring								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.3.3			Hot Axle Box Detectors								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.3.4			Wheel Monitoring								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.3.5			Selecting Door Opening Balises								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.3.6			NDT Inspection Equipment								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.3.7			TIMS								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.3.8			Butterfly Valve Operation (Mechanical & Motorised)								V	-	V	A	-	-	A	A	A	A	A	A	A

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission	
	B.C.3.9			Bridge Strike Monitoring								V	-	V	A	-	-	A	A	A	A	A	A	A
	B.C.4		Signalling Design and Consultancy																					
	B.C.4.1			Signalling Consultancy								-	V	-	-	-	-	-	-	-	-	-	-	-
	B.C.4.2			Control Tables/Reports								-	V	-	-	-	-	-	-	-	-	-	-	-
	B.C.4.3			Layout Risk Modelling								-	V	-	-	-	-	-	-	-	-	-	-	-
	B.C.4.4			Signal Sighting								-	V	-	-	-	-	-	-	-	-	-	-	-
	B.C.4.5			Development & Review of Signalling Standards								-	V	-	-	-	-	-	-	-	-	-	-	-
C - Infrastructure																								
	C.B	Track																						
	C.B.1		Plain Line Track																					
	C.B.1.1			Plain Line								V	-	V	A	-	-	A	A	A	A	A	A	A
	C.B.1.2			Plain Line (Absolute Geometry)								V	-	V	A	-	-	A	A	A	A	A	A	A
	C.B.1.3			Gauge Measurement (Discreet Restrictions)								V	-	V	A	-	-	A	A	A	A	A	A	A
	C.B.1.4			Gauge Measurement (Tunnels)								V	-	V	A	-	-	A	A	A	A	A	A	A
	C.B.1.5			Track on Longitudinal Timbers								V	-	V	A	-	-	A	A	A	A	A	A	A
	C.B.1.6			Direct Fastening Track Systems (e.g. Slab Track/Viper)								V	-	V	A	-	-	A	A	A	A	A	A	A
	C.B.1.7			Track Subgrade Investigation								-	V	-	-	-	-	-	-	-	-	-	-	-
	C.B.2		Switches & Crossings																					
	C.B.2.1			Switches & Crossings Conventional								V	-	V	A	-	-	A	A	A	A	A	A	A
	C.B.2.2			Switches & Crossings (Absolute Geometry)								V	-	V	A	-	-	A	A	A	A	A	A	A
	C.B.2.3			Switches & Crossings (Modular Systems)								V	-	V	A	-	-	A	A	A	A	A	A	A
	C.B.2.4			S&C Subgrade Investigation								-	V	-	-	-	-	-	-	-	-	-	-	-
	C.B.3		Track Drainage									V	-	V	A	-	-	A	A	A	-	A	A	A
	C.B.4		Cable Route Works (Including Troughing & Ducts)																					
	C.B.4.1			Cable Pulling and Laying								-	V	-	-	-	-	-	-	-	-	-	-	-
	C.B.4.2			Troughing Services								-	A	-	-	-	-	-	-	-	-	-	-	-
	C.B.5		Materials and Parts																					
	C.B.5.1			Materials & Parts (Rail)								V	-	V	-	-	-	-	-	-	-	-	-	-
	C.B.5.2			Materials & Parts (Switch & Crossing Units)								V	-	V	-	-	-	-	-	-	-	-	-	-
	C.B.5.3			Materials & Parts (Sleepers)								V	-	V	-	-	-	-	-	-	-	-	-	-
	C.B.5.4			Materials & Parts (Track Support)								V	-	V	-	-	-	-	-	-	-	-	-	-
	C.B.5.5			Materials & Parts (Troughing)								V	-	V	-	-	-	-	-	-	-	-	-	-
	C.B.5.6			Materials & Parts (Ancillary Track Related)								V	-	V	-	-	-	-	-	-	-	-	-	-
	C.B.5.7			Detonators (Track Protection)								V	-	V	-	-	-	-	V	-	-	-	-	-
	C.C	Structures and Earthworks																						
	C.C.1		Bridges and Tunnels																					
	C.C.1.1			Bridges																				
	C.C.1.1.1			Timber Structures								V	-	V	A	-	A	-	A	A	-	A	A	-
	C.C.1.1.2			Metallic Structures (Including Cast Iron) & Steel Fabrication								V	-	V	A	-	A	-	A	A	-	A	A	-

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission			
	C.C.3.4.3.3					Weed KillingVegetation Management (Off Netw					-	V	-	-	-	-	-	-	-	-	-	-	-	-		
	C.C.3.4.4				Fatality Management					-	V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	C.C.3.4.5				Rail Conditioning Services																					
	C.C.3.4.5.1					Thermic Welding					-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	
	C.C.3.4.5.2					Arc Welding					-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	
	C.C.3.4.5.3					Flash Butt Welding					-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	
	C.C.3.4.5.4					Rail Stressing					-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	
	C.C.3.4.5.5					Stress Assessment (Verse Testing)					-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	
	C.C.3.4.5.6					Ultrasonic Testing (Non Train-Borne)					-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	
	C.C.3.4.6				Rail Adhesion Services																					
	C.C.3.4.6.1					Rail Lubrication Applicators					V	-	V	A	-	A	-	A	A	-	A	A	-	-	-	
	C.C.3.4.6.2					Rail Grinding (Non Train-Borne)					-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	
	C.C.3.4.7				Infrastructure Fences, Barriers & Boundary Gates																					
	C.C.3.4.7.1					Concrete Fences					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.7.10					Absorptive Barriers					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.7.11					Reflective Barriers					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.7.12					Access Way & Steps					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.7.2					Timber Fences					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.7.3					Metal Fences					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.7.4					Plastic Fences					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.7.5					Boundary Gates					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.7.6					Level Crossing Stiles, Gates & Barriers					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.7.7					Safety Barriers & Restraints					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.7.8					Noise Barriers					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.7.9					Acoustic Linings					V	-	V	V	-	V	-	V	V	-	V	V	-	V	V	-
	C.C.3.4.8				Earthworks																					
	C.C.3.4.8.1					Earthworks (Embankments, Cuttings etc.)					-	-	-	A	-	-	-	A	A	-	A	A	-	A	A	-
	C.C.3.4.8.10					Ground Stabilisation (including Lime)					V	-	V	A	-	A	-	A	A	-	A	A	-	A	A	-
	C.C.3.4.8.2				Coastal/Estuary Defences																					
	C.C.3.4.8.2.1					Concrete Sea Walls (Reinforced, Mas					V	-	V	A	-	A	-	A	A	-	A	A	-	A	A	-
	C.C.3.4.8.2.2					Rock Armour					V	-	V	A	-	A	-	A	A	-	A	A	-	A	A	-
	C.C.3.4.8.2.3					Groynes					V	-	V	A	-	A	-	A	A	-	A	A	-	A	A	-
	C.C.3.4.8.2.4					Off Shore Breakwaters					V	-	V	A	-	A	-	A	A	-	A	A	-	A	A	-
	C.C.3.4.8.2.5					Revetments (Stone & Concrete)					V	-	V	A	-	A	-	A	A	-	A	A	-	A	A	-
	C.C.3.4.8.2.6					Cliff Stabilisation (Including Rock Anch					V	-	V	A	-	A	-	A	A	-	A	A	-	A	A	-
	C.C.3.4.8.3				Retaining Walls																					
	C.C.3.4.8.3.1					Masonry Structures					V	-	V	A	-	A	-	A	A	-	A	A	-	A	A	-
	C.C.3.4.8.3.2					Concrete Structures (Mass & Reinforc					V	-	V	A	-	A	-	A	A	-	A	A	-	A	A	-
	C.C.3.4.8.3.3					Reinforced Earth Structures					V	-	V	A	-	A	-	A	A	-	A	A	-	A	A	-

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission
	C.C.3.4.8.3.4						Gabion Walls				V	-	V	A	-	A	-	A	A	-	A	A	-
	C.C.3.4.8.3.5						Sheet Pile Walls				V	-	V	A	-	A	-	A	A	-	A	A	-
	C.C.3.4.8.4						Ground Anchors				V	-	V	A	-	A	A	A	A	-	A	A	A
	C.C.3.4.8.5						Soil Nailing				V	-	V	A	-	A	A	A	A	-	A	A	A
	C.C.3.4.8.6						Earthworks Drainage				V	-	V	A	-	A	-	A	A	-	A	A	-
	C.C.3.4.8.7						Rock Netting				V	-	V	A	-	A	-	A	A	-	A	A	-
	C.C.3.4.8.8						Rock Scaling				V	-	V	A	-	A	-	A	A	-	A	A	-
	C.C.3.4.8.9						Rock Anchors				V	-	V	A	-	A	A	A	A	-	A	A	A
	C.C.3.4.9						Isolations Management Service				-	A	-	-	-	-	-	-	-	-	-	-	-
	C.C.4		Materials & Parts (Civils)								V	-	V	-	-	-	-	-	-	-	-	-	-
	C.D	Stations and Depot Building Works																					
	C.D.1	Substructure & Superstructure																					
	C.D.1.1			Foundations (Piled)							V	-	V	A	-	A	-	V	A	-	A	A	-
	C.D.1.2			Foundations (Conventional)							V	-	V	A	-	A	-	V	A	-	A	A	-
	C.D.1.3			Steel Frame							V	-	V	A	-	A	-	V	A	-	A	A	-
	C.D.1.4			Concrete Frame							V	-	V	A	-	A	-	V	A	-	A	A	-
	C.D.1.5			Timber Frame							V	-	V	A	-	A	-	V	A	-	A	A	-
	C.D.2	Building Work																					
	C.D.2.1			Roofing							V	-	V	A	-	A	-	V	A	A	A	A	-
	C.D.2.10			External Works (Drainage, Including Surface, Foul & Sewerage Tre							V	-	V	A	-	A	-	V	A	A	A	A	-
	C.D.2.11			Minor Building Work (Including Ancillary Buildings & Alterations to E							V	-	V	A	-	A	-	V	A	A	A	A	-
	C.D.2.2			Stairs							V	-	V	A	-	A	-	V	A	A	A	A	-
	C.D.2.3			External Walls							V	-	V	A	-	A	-	V	A	A	A	A	-
	C.D.2.4			Windows & External Doors							V	-	V	V	-	V	-	V	V	V	V	V	-
	C.D.2.5			Internal Walls & Partitions							V	-	V	V	-	V	-	V	V	V	V	V	-
	C.D.2.6			Internal Doors							V	-	V	V	-	V	-	V	V	V	V	V	-
	C.D.2.7			Internal Finishes (Wall, Floor & Ceiling)							V	-	V	V	-	V	-	V	V	V	V	V	-
	C.D.2.8			Fittings & Furnishings							V	-	V	V	-	V	-	V	V	V	V	V	-
	C.D.2.9			External Works (Paving & Landscaping)							V	-	V	V	-	V	-	V	V	V	V	V	-
	C.D.3	Building Services																					
	C.D.3.1			Sanitary Appliances & Disposal Installations							V	-	V	V	-	-	V	V	V	-	V	V	V
	C.D.3.2			Water Installations							V	-	V	V	-	-	V	V	V	-	V	V	V
	C.D.3.3			Space Heating & Air Treatment (Central & Local)							V	-	V	V	-	-	V	V	V	-	V	V	V
	C.D.3.4			Forced Ventilation Systems							V	-	V	A	-	-	A	V	A	A	A	A	A
	C.D.3.5			Electrical Installations							V	-	V	A	-	-	A	V	A	A	A	A	A
	C.D.3.6			Gas Installations							V	-	V	A	-	-	A	V	A	A	A	A	A
	C.D.3.7			Protective Installations							V	-	V	A	-	-	A	V	A	A	A	A	A
	C.D.3.8			Communications Installations							V	-	V	V	-	-	V	V	V	-	V	V	V
	C.D.3.9			Special Installations (Including Window Cleaning Cradles, Water Tr							V	-	V	A	-	-	A	V	A	A	A	A	A

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission	
	C.D.4		Specialist Services																					
	C.D.4.1			Canopies (Stations & Depots)							V	-	V	A	-	A	A	V	A	A	A	A	A	-
	C.D.4.2			Major Station & Concourse Roofs							V	-	V	A	-	A	A	V	A	A	A	A	A	-
	C.D.4.3			Specialist Doors & Windows							V	-	V	A	-	-	-	V	A	-	A	A	A	-
	C.D.4.4			Roller Shutters & Security Grills							V	-	V	A	-	-	-	V	A	A	A	A	A	-
	C.D.4.5			Ticket Barriers							V	-	V	A	-	-	A	V	A	A	A	A	A	A
	C.D.4.6			Turnstiles							V	-	V	A	-	-	A	V	A	A	A	A	A	A
	C.D.4.7			Steeplejack Services							-	A	-	-	-	-	-	-	-	-	-	-	-	-
	C.D.4.8			Exhaust Extraction							V	-	V	A	-	-	A	V	A	A	A	A	A	A
	C.D.4.9			Modular Buildings & REBs (For Equipment Installation)							V	-	V	A	-	-	A	V	A	A	A	A	A	A
	C.D.5		Shopfitting								-	V	-	-	-	-	-	-	-	-	-	-	-	-
	C.D.6		Lifts & Escalators																					
	C.D.6.1			Lifts							V	-	V	A	-	-	A	V	A	A	A	A	A	A
	C.D.6.2			Escalators							V	-	V	A	-	-	A	V	A	A	A	A	A	A
	C.D.7		Operational Walkways & Platforms																					
	C.D.7.1			Platforms Including Copers, Paving & Tarmac							V	-	V	A	-	A	-	A	A	A	A	A	A	-
	C.D.7.2			Platform Face Walls							V	-	V	A	-	A	-	A	A	-	A	A	A	-
	C.D.7.3			Modular Platforms Including Trestle							V	-	V	A	-	A	-	A	A	-	A	A	A	-
	C.D.7.4			Raised Walkways							V	-	V	A	-	A	-	A	A	-	A	A	A	-
	C.D.7.5			Authorised Walking Routes & Access Points							V	-	V	A	-	A	-	A	A	-	A	A	A	-
	C.D.7.6			Paths & Safe Cess							V	-	V	A	-	A	-	A	A	-	A	A	A	-
	C.D.8		Hardstandings & Roadways																					
	C.D.8.1			Road & Pathway Dressings							V	-	V	V	-	V	-	V	V	-	V	V	V	-
	C.D.8.2			Car & Cycle Parks							V	-	V	V	-	V	-	V	V	-	V	V	V	-
	C.D.8.3			Roadways							V	-	V	V	-	V	-	V	V	-	V	V	V	-
	C.D.8.4			User & Footpath Crossing Surfacing							V	-	V	A	-	A	-	A	A	-	A	A	A	-
	C.D.9		Materials & Parts (Building Works)								V	-	V	-	-	-	-	-	-	-	-	-	-	-
	C.E		Infrastructure Consultancy and Design																					
	C.E.1		Track Consultancy								-	V	-	-	-	-	-	-	-	-	-	-	-	-
	C.E.2		Development & Review of Track Standards								-	V	-	-	-	-	-	-	-	-	-	-	-	-
	C.E.3		Level Crossing Ground Plans								-	V	-	-	-	-	-	-	-	-	-	-	-	-
	C.E.4		Emergency and Temporary Speed Restrictions								-	V	-	A	-	-	-	-	-	-	-	-	-	-
	C.F		Infrastructure Engineering Training								-	V	-	-	-	-	-	-	-	-	-	-	-	-
D - Plant																								
	D.B		In Possession Machines																					
	D.B.1		On Track Plant(OTP) with/without Operator								A	A	A	-	A	-	-	-	A	A	-	A	-	
	D.C		General Plant (All Operated Plant)								V	V	V	-	A	-	-	-	V	V	-	V	-	
	D.D		Small Plant and Hand Tools																					
	D.D.2		Small Plant								V	V	V	-	-	-	-	-	V	V	-	-	-	

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission			
	D.D.3		Manually Propelled Rail Mounted Equipment (inc P-Way Trolleys)									V	A	A	-	-	-	-	-	A	A	-	A	-		
	D.D.4		Lifting Accessories & Inspection/Certification									V	V	V	-	-	-	-	-	V	V	-	-	-		
	D.D.5		Plant Tagging & Calibration									-	V	-	-	-	-	-	-	-	-	-	-	-		
	D.D.6		Trackside Lighting, Temporary & Permanent									V	V	V	-	-	-	-	-	V	V	-	-	-		
	D.D.7		Hand Tools									V	V	V	-	-	-	-	-	V	V	-	-	-		
	D.D.8		Materials & Parts (Plant & Tools)									V	-	V	-	-	-	-	-	-	-	-	-	-		
	D.D.9		Inspection, Test, Monitoring & Measuring Equipment									-	V	V	-	-	-	-	-	V	V	-	-	-		
	D.E	Fixed Infrastructure Plant																								
	D.E.1	Power Supply and LV Distribution Systems																								
	D.E.1.1		LV Switchgear											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.1.2		UPS up to 10 KVA											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.1.3		UPS above 10 KVA											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.1.4		UPS Batteries											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.1.5		Diesel Generators (Permanent)											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.1.6		Temporary Generation/Construction Power Supplies											V	-	V	A	-	-	A	A	A	-	A	A	A
	D.E.1.7		LV Distribution Cabling											V	-	V	A	-	-	A	A	A	-	A	A	A
	D.E.2	Non Traction HV Electrical Sub-stations & Compounds																								
	D.E.2.1		Substation Switchgear (Including Control & Protection)											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.2.2		HV Transformers											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.2.3		HV Cabling											V	-	V	A	-	-	A	A	A	-	A	A	A
	D.E.3	Operational Lighting																								
	D.E.3.1		Lighting Equipment (Including Luminaires & Control Equipment)											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.3.2		Lighting Support Equipment (Including Winch Mechanisms)											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.4	Points Heating																								
	D.E.4.1		Gas Points Heating Systems											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.4.2		Electric Points Heating Systems											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.4.3		Conductor Rail Heating Systems											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.5	Tunnel Ventilation																								
	D.E.5.1		Fixed Ventilation Systems											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.5.2		Portable Ventilation Systems											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.6	Operational Plant																								
	D.E.6.1		Pumps (Plus Merseyrail & Sudbrook)											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.6.2		Pump Control Systems											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.6.3		Water Treatment Systems											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.6.4		Moving Bridge Control Systems											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.6.5		Track Dosing Systems											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.6.6		Compressed Air Systems											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.6.7		Lifting Equipment (Winches & Hoists)											V	-	V	A	-	-	A	A	A	A	A	A	A
	D.E.6.8		Buffer Stops (Mechanical)											V	-	V	A	-	-	A	A	A	A	A	A	A

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	D.E.7		Power Supplies																						
	D.E.7.1			Chargers for Signalling Equipment								V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.E.7.2			Transformers & Transformer Rectifiers								V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.E.7.3			Point T/J (Transformer Rectifiers)								V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.E.7.4			Earth Leakage Detectors								V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.E.7.5			Batteries								V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.E.7.6			U.P.S.								V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.E.8		Materials & Parts (Fixed Infrastructure Plant)									V	-	V	-	-	-	-	-	-	-	-	-	-	-
	D.F	Vehicle Maintenance Plant																							
	D.F.1		Fuel Storage & Dispensing Systems									V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.F.10		Depot Personnel Protection Systems									V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.F.2		Fuel, Oil & Water Storage Tanks									V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.F.3		Carriage Washing Machines									V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.F.4		Wheel Lathes									V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.F.5		Overhead Cranes									V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.F.6		Vehicle Lifting Jacks									V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.F.7		Shore Supplies & Battery Chargers									V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.F.8		Controlled Emission Toilet Facilities									V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.F.9		Industrial Weighing Equipment									V	-	V	A	-	-	A	A	A	A	A	A	A	A
	D.G	Plant Design and Consultancy																							
	D.G.1		Plant Consultancy									-	V	-	-	-	-	-	-	-	-	-	-	-	-
	D.G.2		Fixed Infrastructure Plant Consultancy									-	V	-	-	-	-	-	-	-	-	-	-	-	-
	D.G.3		Development & Review of Plant Standards									-	V	-	-	-	-	-	-	-	-	-	-	-	-
E - Rail Vehicles																									
	E.B	Locomotives										V	-	V	V	-	-	V	V	V	V	-	V	-	
	E.C	Loco-Hauled Coaching Stock										V	-	V	V	-	-	V	V	V	V	-	V	-	
	E.D	Driving Trailers										V	-	V	V	-	-	V	V	V	V	-	V	-	
	E.E	Multiple Units																							
	E.E.1		Diesel Multiple Units									V	-	V	V	-	-	V	V	V	V	-	V	-	
	E.E.2		Electrical Multiple Units									V	-	V	V	-	-	V	V	V	V	-	V	-	
	E.E.3		Diesel-Electric Multiple Units									V	-	V	V	-	-	V	V	V	V	-	V	-	
	E.F	Light Rail Vehicles inc. Metros and Trams										V	-	V	V	-	-	V	V	V	V	-	V	-	
	E.G	Wagons and Freight Vehicles																							
	E.G.1		Freight Load Securing									V	-	V	V	-	-	-	V	V	V	V	V	-	
	E.G.2		Freight Loading and unloading facilities									V	-	V	V	-	-	-	V	V	V	V	V	-	
	E.G.3		Freight Wagons									V	-	V	V	-	-	V	V	V	V	-	V	-	
	E.G.4		Rail Delivery/Collection Vehicles									V	-	V	V	-	-	V	V	V	V	-	V	-	
	E.G.5		Ballast/Spoil Wagons									V	-	V	V	-	-	V	V	V	V	-	V	-	

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission	
	E.G.6		Other Material/Plant Handling Wagons									V	-	V	V	-	-	V	V	V	V	-	V	-
	E.H	Infrastructure Maintenance, Renewal & Incident Vehicles																						
	E.H.1		Infrastructure Maintenance, Renewal & Incident Machines									V	-	V	V	V	-	V	V	V	V	-	V	-
	E.H.2		Multi Purpose Vehicles (MPVs)									V	-	V	V	V	-	V	V	V	V	-	V	-
	E.H.3		Rail Vehicle Modules									V	-	V	V	V	-	V	V	V	V	-	V	-
	E.H.4		Rail Vehicle Mounted Cranes									V	-	V	V	V	-	V	V	V	V	-	V	-
	E.H.5		Snow clearance fleet									V	-	V	V	V	-	V	V	V	V	-	V	-
	E.J	Specialist Rail Vehicle Services																						
	E.J.1		Train Servicing									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.10		Stabling and Storage of Rolling Stock On Private Infrastructure									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.11		Rail Vehicles Design and Consultancy Services																					
	E.J.11.1		Development & Review of Rail Vehicle (Infrastructure) Standards									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.11.2		Rail Vehicles Design and Consultancy									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.12		Competent Person									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.13		Spares management									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.14		Trainborne Infrastructure Monitoring Equipment									-	V	V	-	-	-	-	-	-	-	-	-	-
	E.J.2		Interior Train Cleaning									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.3		Crash Damage/Repair									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.4		Corrosion Repair									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.5		Painting									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.6		Vinyl Wrap									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.7		Non-Destructive Testing (Rail Vehicles)									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.8		Oil Testing & Monitoring									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.J.9		Condition Monitoring of Rail Vehicles									-	V	-	-	-	-	-	-	-	-	-	-	-
	E.K	Materials and Parts for Rail Vehicles																						
	E.K.1	Transverse Vehicle Parts																						
	E.K.1.1		Bearings																					
	E.K.1.1.1			Plastic								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.1.2			Roller								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.1.3			White Metal								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.10		Seals and Gaskets																					
	E.K.1.10.1			Gasket								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.10.2			Dynamic seal								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.11		Cable																					
	E.K.1.11.1			Single core cables < 5mm2								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.11.2			Single core cables => 5mm2								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.11.3			Multicore cables								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.11.4			Cable Harness								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.11.5			Cable markers								V	-	V	V	-	-	-	-	V	V	V	V	-

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission	
	E.K.1.11.6				Cable Ducts and Conduit							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.11.7				General Purpose Springs and Clips							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.12			Machined Components								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.13			Fabricated Components								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.14			Timber Products																				
	E.K.1.14.1				Plywood						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.14.2				Fire resistant plywood						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.15			Paint and Varnish																				
	E.K.1.15.1				Coating						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.15.2				Intumescent Paint						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.16			Lubricants																				
	E.K.1.16.1				Grease						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.16.2				Oil						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.17			Sealants and Adhesive																				
	E.K.1.17.1				Silicone						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.17.2				Thread locking adhesive						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.2			Connectors																				
	E.K.1.2.1				Plugs and Sockets						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.2.2				Connecting Material						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.3			Cabinets, Rack systems and Enclosures																				
	E.K.1.3.1				Cabinets, Rack Systems, Frames and Panels							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.4			Fastener																				
	E.K.1.4.1				General Purpose Fasteners							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.1.4.2				Critical Fasteners						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.5			Filters																				
	E.K.1.5.1				Compressed air filters						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.5.2				Atmospheric air filters						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.5.3				Oil/Fuel Filters						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.6			Hoses																				
	E.K.1.6.1				Compressed Air Hose						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.6.2				Vacuum Hose						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.6.3				Liquid Hose						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.6.4				Waste hose						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.7			Electrical Components/Assemblies																				
	E.K.1.7.1				Circuit Breakers						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.7.2				Printed circuit boards						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.7.3				Relays						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.7.4				Indicators						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.1.7.5				Switches						V	-	V	V	-	-	-	-	V	V	V	V	-	

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission	
	E.K.15.1.1				Main Air Compressor							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.1.2				Auxiliary Air Compressor							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.2			Air treatment																				
	E.K.15.2.1				Aftercooler							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.2.2				Air Filter							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.2.3				Air Driers							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.3			Air Reservoir								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.4			Air distribution and control																				
	E.K.15.4.1				Valves							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.4.2				Gauges							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.4.3				Governor (Pressure Switch)							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.4.4				Safety Valve							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.4.5				Pressure Reducing Valve							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.4.6				Automatic Drain Valve							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.5			(Hydraulic system) pumps																				
	E.K.15.5.1				Hydraulic (Hydrostatic) Motor							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.6			(Hydraulic system) treatment								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.7			(Hydraulic system) storage								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.15.8			(Hydraulic system) distribution and control																				
	E.K.15.8.1				Valves							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16		Brake																					
	E.K.16.1			Supplementary Brake Equipment								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16.2			Friction brake components																				
	E.K.16.2.1				Brake Pad							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16.2.2				Brake Block							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16.3			Mechanical brake force transmission																				
	E.K.16.3.1				Brake Actuator							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16.3.2				Brake Rigging							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16.3.3				Calipers							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16.3.4				Links and Pins							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16.4			Vehicle Brake Control																				
	E.K.16.4.1				Wheel slip/slide protection (WSP) equipment							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16.4.2				Electronic Brake Control Unit							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16.4.3				Distributor							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16.5			Train Brake Control Equipment																				
	E.K.16.5.1				Electrical Control Equipment							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.16.5.2				Pneumatic Control Equipment							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.17		Vehicle linkage devices																					
	E.K.17.1			Automatic (mechanical) coupling devices								V	-	V	V	-	-	-	-	V	V	V	V	-

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission	
	E.K.3.1			Train Crew Facilities																				
	E.K.3.1.1				Sunblinds						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.1.2				Wipers/Washing System						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.1.3				Windscreen heating system						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.10			Emergency Equipment																				
	E.K.3.10.1				Fire Extinguishing Equipment						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.10.2				Ladder						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.10.3				First Aid						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.10.4				Wheelchair Ramp						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.10.5				Track Protection Equipment						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.11			Labels and Signs							V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.2			Floor																				
	E.K.3.2.1				Floor Boarding						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.2.2				Floor Covering						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.3			Interior Panelling & Partitions							V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.4			Interior Fixtures and Fittings																				
	E.K.3.4.1				Litter Bins						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.4.2				Luggage and Other Racks						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.4.3				Rails, Handles (interior)						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.4.4				Internal glazing and Mirrors						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.4.5				Table						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.4.6				Sleeping Berth						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.4.7				Curtains and Blinds						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.5			External Fixtures and Fittings																				
	E.K.3.5.1				External Grab Handles						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.5.2				Lamp Bracket and similar fittings						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.5.3				Crew access side steps						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.5.4				Fixed passenger stepboards						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.5.5				Side skirts and fairings						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.6			Passenger & Cab Seat																				
	E.K.3.6.1				Passenger seat						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.6.2				Driver seat						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.7			Toilet and Sanitation Facilities																				
	E.K.3.7.1				Hand Washing Facilities						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.7.2				Water Storage						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.7.3				Flush Toilet						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.7.4				Vacuum Toilet (including control unit)						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.7.5				Effluent Tank						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.3.7.6				Baby Changing Table						V	-	V	V	-	-	-	-	V	V	V	V	-	

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	E.K.3.8			Retail and Sales Facilities																				
	E.K.3.8.1				Onboard Ticket Sales/Validation Machines							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.3.8.2				Display Cabinets							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.3.8.3				Vending Machines							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.3.8.4				Cash Register							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.3.9			Catering Equipment																				
	E.K.3.9.1				Catering module (Trolley)							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.3.9.2				Drinking Water Storage							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.3.9.3				Sinks and Worktops							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.3.9.4				Water Heater							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.3.9.5				Gas Cooking Equipment							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.3.9.6				Electric Cooking Equipment							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.3.9.7				Refrigeration							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.3.9.8				Dishwasher							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4		Running Gear																					
	E.K.4.1			Bogie (and single axle support) structure																				
	E.K.4.1.1				Traction bogie							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.1.2				Trailer bogie							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.1.3				Bogie Frame							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.1.4			Auxiliary Bogie Equipment																				
	E.K.4.1.4.1				Earthing Return and Bonding							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.1.4.2				Axle Brush							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.1.4.3				Lifeguard							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.1.4.4				Safety add-ons																			
	E.K.4.1.4.4.1				Sanding Delivery equipment							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.1.4.4.2				Hotbox detector							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.1.4.5				Flange Lubrication System							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.2			Wheel set																				
	E.K.4.2.1				Axle							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.2.2				Wheel							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.2.3				Axlebox							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.2.4				Wheel Bearing							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.2.5				Gearwheel							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.2.6				Brake Disc							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.2.7				TM Sus Tube							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.3			Springs and Suspension Components																				
	E.K.4.3.1				Adjustment							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.3.2				Metal springs							V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.3.3				Rubber springs							V	-	V	V	-	-	-	-	V	V	V	V	-

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission
	E.K.4.3.4				Airbag						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.3.5				Active Components						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.3.6				Passive Components						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.4				Dampers						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.5				Bogie to Vehicle Attachment																		
	E.K.4.5.1				Bogie Centre Connection						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.5.2				Electrical Connections						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.5.3				Pneumatic Connections						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.5.4				Bumpstops						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.5.5				Anti Roll Bar						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.6				Tilt mechanism																		
	E.K.4.6.1				Actuator						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.4.6.2				Tilt Beams and Links						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5				Traction Power System																		
	E.K.5.1				AC Overhead Equipment																		
	E.K.5.1.1				Pantograph						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.1.2				Roof Disconnecter inc Earthing Switch						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.1.3				Lightning Arrestor						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.1.4				System Changeover Switch						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.1.5				Current Transducer						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.1.6				Voltage Transducer						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.2				DC 3rd Rail Equipment																		
	E.K.5.2.1				Third rail shoe gear						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.2.2				Shoe Fuse						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.2.3				Arc Guard						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.3				Power circuit breakers																		
	E.K.5.3.1				HS Circuit Breaker						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.3.2				Air Blast Circuit Breaker						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.3.3				Vacuum Circuit Breaker						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.4				HV transformer																		
	E.K.5.4.1				Main Transformer						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.4.2				Transformer Radiator						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.4.3				Transformer Oil Pump						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.4.4				Bucholz Switch						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.4.5				Silica Gel Breather						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.5				HV Cables																		
	E.K.5.5.1				HT Cable						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.5.2				Insulators/Bushing						V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.5.5.3				Roof Cable						V	-	V	V	-	-	-	-	V	V	V	V	-

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission	
	E.K.5.5.4			Power Supply								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6		Power generation																					
	E.K.6.1			Internal combustion engine																				
	E.K.6.1.1			Engine Mount								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.1.2			Cylinder Head								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.1.3			Lube Oil Pump								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.2			Exhaust gas facility																				
	E.K.6.2.1			Exhaust Bellows								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.2.2			Silencer								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.3			Fuel System																				
	E.K.6.3.1			Fuel Tank								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.3.2			Fuel Lift Pump								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.3.3			High Pressure Pump								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.3.4			Governor								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.3.5			Fuel Rack								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.3.6			Electronic Control System								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.4			Air Intake																				
	E.K.6.4.1			Turbo Charger								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.4.2			Inter Cooler								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.5			Starter Motor																				
	E.K.6.5.1			Starter Control Unit								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.6			Cooling System																				
	E.K.6.6.1			Radiator								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.6.2			Water Pump								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.6.3			Radiator Fan								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.6.4			Coolant Header Tank								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.6.7			Traction Alternator / Generator								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.7		Propulsion and Dynamic Braking																					
	E.K.7.1			Traction and braking converters								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.7.10			Mechanical transmission																				
	E.K.7.10.1			Drive Shaft																				
	E.K.7.10.1.1			Shaft								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.7.10.1.2			Coupling								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.7.10.2			Gear Box (Mechanical Drive)																				
	E.K.7.10.2.1			Couplings								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.7.10.2.2			Sensors								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.7.10.2.3			Mountings								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.7.10.2.4			Torque Link								V	-	V	V	-	-	-	-	V	V	V	V	-
	E.K.7.10.3			Final Drive								V	-	V	V	-	-	-	-	V	V	V	V	-

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission	
	E.K.7.10.4				Final Drive(For Traction Motor)																			
	E.K.7.10.4.1					Gear Case					V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.10.4.2					Seals					V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.11			Hydraulic Traction Equipment							V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.2			Frequency Monitoring Unit																				
	E.K.7.2.1				Electronic Modules						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.2.2				Cards						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.3			Rectifier																				
	E.K.7.3.1				Fan						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.3.2				Power Electronic Modules						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.3.3				Power Electronic Devices						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.4			Switchgear																				
	E.K.7.4.1				Contactors and Simple switchgear						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.4.2				Cam Shafts and Tap Changer						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.5			Waste power dissipation/recovery																				
	E.K.7.5.1				Traction and braking resistors						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.5.2				Fans						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.5.3				Radiator						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.5.4				Pump						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.6			Power storage																				
	E.K.7.6.1				Traction Battery						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.6.2				Flywheel						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.7			Transformer							V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.8			Traction Smoothing Choke (DC Choke)							V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.9			Traction motor																				
	E.K.7.9.1				Stator						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.9.2				Rotor						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.9.3				Brushgear						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.7.9.4				Carbon Brushes						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.8		Train Control																					
	E.K.8.1			Operation Controls																				
	E.K.8.1.1				Automatic (Train Protection) Warning System (AWS/TPW)						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.8.1.2			Electronic Train Control System (ETCS)																				
	E.K.8.1.2.1				Position Sensor (Balise)						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.8.1.2.2				ERTMS Sensor						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.8.1.2.3				ERTMS HMI						V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.8.1.3			Automatic Train Operation (ATO)							V	-	V	V	-	-	-	-	V	V	V	V	-	
	E.K.8.1.4			Driving and braking controls																				
	E.K.8.1.4.1				DSD/Vigilance System						V	-	V	V	-	-	-	-	V	V	V	V	-	

Product	RICCL Code	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	T-Commission	U-Dispose	V-Maintain	W-Overhaul	X-Install	Y-Modify	Z-Decommission		
	H.M	Staff, Equipment & Facilities/Property Supplies																							
	H.M.1	Furniture & Ancillary Equipment																							
	H.M.1.1			Office Furniture							V	-	V	-	-	-	-	-	-	-	-	-	-	-	
	H.M.1.2			Other Furniture							V	-	V	-	-	-	-	-	-	-	-	-	-	-	
	H.M.1.3			Ancillary Items							V	-	V	-	-	-	-	-	-	-	-	-	-	-	
	H.M.2	Stationery, Books & Magazines										V	-	V	-	-	-	-	-	-	-	-	-	-	-
	H.M.3	Kitchen & Domestic Equipment (Including White Goods)										V	-	V	-	-	-	-	-	-	-	-	-	-	-
	H.M.4	Uniform Clothing										V	-	V	-	-	-	-	-	-	-	-	-	-	-
	H.M.5	Electrical Equipment (Including TV, DVD/VCR, Shredders)										V	-	V	-	-	-	-	-	-	-	-	-	-	-
	H.M.6	Chemicals, Coatings & Lubricants																							
	H.M.6.1			Chemicals, Coatings & Lubricants							V	-	V	-	-	-	-	-	-	-	-	-	-	-	
	H.M.6.2			Insulation Coatings							-	V	-	-	-	-	-	-	-	-	-	-	-	-	
	H.M.7	Hardware (Including Signs, Locks & Lamps)										V	-	V	-	-	-	-	-	-	-	-	-	-	-
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