

# *Achilles Link-Up Network* **Commodity Code Guide**

Version 1.1

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# Why are Product and Service codes important?

- The product codes are the primary means for buyers to source suppliers to match their contract requirements.
- Ensuring that your company registers under the product and service codes that match your capabilities is one of the most important aspects of completing the questionnaire.
- It is essential to give careful consideration and allow adequate time to review all the available product and service codes and keywords, in order to maximise your company's chances of being identified by a buyer for a relevant contract opportunity.

# How to select Product and Service codes

In the system, to select your organisation's product and service codes, you will need to navigate through a tree structure:

- **Level 1** – the highest and most general category.
- **Level 2** – subcategories giving a greater level of detail.
- **Level 3** – individual products and services – this is the level to choose to indicate what products and services your organisation can supply.

For the Achilles Link-Up community, you are required to select product and service codes at the third level. This guide provides all the product codes available to choose from.

# Link-Up Product and Service code type

The Link-Up product and service codes are defined by Product and Service activities at their final level in the hierarchy. Further information relating to those activities can be found on page 6.

### Product and Service code type

- **V – Verification:** These Link-Up codes require verification of a supplier's profile answers before publication of the applicable status.
- **A – Auditable:** In addition to the above, these codes will require an audit, which may also be triggered via alternative routes, e.g. answers to specific profile questions.

## Introduction

# Link-Up Product and Service activities

M-Manufacture	N-Service	P-Supply	Q-Design	R-Operate	S-Construction	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. Where you are supplying an operator and depending on the type of plant, you will also need to select the relevant contingent Labour code, e.g. A.A.1.8 (Plant Operators) or A.A.1.9 (OTP Operators)	Applicable to suppliers or original equipment manufacturers of on-track plant, attachments and associates 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 suppliers 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 on-site	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	

## Numerical code listings

### A.A TRANSVERSE RAILWAY SERVICES

CODE	DESCRIPTION	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	Transverse Railway Services	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.1	Contingent Workforce	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.1.1	Temporary Labour (Rail Vehicles (Passenger & Freight))	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.1.2	Temporary Labour (Electrification)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.1.3	Temporary Labour (Signalling)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.1.4	Temporary Labour (Telecomms)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.1.5	Temporary Labour (Track)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.1.6	Temporary Labour (Civils)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.1.7	Temporary Labour (Building Works)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.1.8	Temporary Labour (Plant Operators)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.1.9	Temporary Labour (OTP Operators)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.1.10	Temporary Labour (Train Driver, Route Conductors)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.1.11	Temporary Labour (Other On-train Staff)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.2	Logistics	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.2.1	Road Haulage	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.2.2	Rail Haulage	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.2.2.1	Possession Trains (Engineering Works - Rail Haulage)	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.2.2.2	Network Trains (Materials Delivery to LDCs - Rail Haulage)	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.2.2.3	Freight Trams (Coal & Steel - Rail Haulage)	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.2.2.4	Intermodal (Rail Haulage)	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.2.3	Local Distribution Centre (LDC) Logistics	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.2.3.1	Ballast Stockpiling (Local Distribution Centre)	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.2.3.2	Used Ballast Disposal (Local Distribution Centre)	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### A.A TRANSVERSE RAILWAY SERVICES

CODE	DESCRIPTION	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.2.3.3	Dismantling Used Materials (Local Distribution Centre)	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.2.4	Used Materials & Rail Clearance/Disposal	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.2.5	Maintenance Spares	V	-	V	-	-	-	-	-	-	-	-	-	-
A.A.2.6	Warehouse Management	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.3 L2	Non-Destructive Testing	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.3	Non-Destructive Testing	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.4 L2	Calibration	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.4	Calibration	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.5 L2	Oil Testing & Monitoring	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.5	Oil Testing & Monitoring	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.6 L2	Surface Coating Testing	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.6	Surface Coating Testing	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.7 L2	Materials Assesment	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.7	Materials Assesment	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.8 L2	Metallurgical Analysis	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.8	Metallurgical Analysis	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.9	Trackworker Protection	-	-	-	-	-	-	-	-	-	-	-	-	-
A.A.9.1	Provision of Protection & Warning Staff (not including LOWS)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.9.2	Machine/Crane Controllers	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.9.3	Electrical Isolation Staff (DC Conductors)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.9.4	Electrical Isolation Staff (OHLE)	-	A	-	-	-	-	-	-	-	-	-	-	-
A.A.9.5	Train/OTM Drivers as Route Conductors	-	V	-	-	-	-	-	-	-	-	-	-	-
A.A.9.6	Lookout Operated Warning Systems (LOWS), (LOWS LKT), (LOWS CTR) & Semi Automatic Train Warning Systems (SATWS)	V	A	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### A.B TRANSVERSE RAILWAY SUPPLIES

CODE	DESCRIPTION	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.B	Transverse Railway Supplies	-	-	-	-	-	-	-	-	-	-	-	-	-
A.B.1	Prescribed Operational Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
A.B.1.1	Timber Products (Including Brake Sticks)	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 Plates)	V	-	V	-	-	-	-	-	-	-	-	-	-
A.B.1.10	Other Prescribed Operational Equipment	V	-	V	-	-	-	-	-	-	-	-	-	-
A.B.2 L2	Fasteners	-	-	-	-	-	-	-	-	-	-	-	-	-
A.B.2	Fasteners	V	V	V	-	-	-	-	-	-	-	-	-	-
A.B.3 L2	Station & Building Signs	-	-	-	-	-	-	-	-	-	-	-	-	-
A.B.3	Station & Building Signs	V	-	V	-	-	-	-	-	-	-	-	-	-
A.B.4 L2	Materials & Parts (Ancillary Staff Equipment/Facilities Supplies)	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### B.B CONTROL COMMAND AND SIGNALLING - ONBOARD

CODE	DESCRIPTION	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.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 L2	Heritage Automatic Train Protection (ATP) unit	-	-	-	-	-	-	-	-	-	-	-	-	-
B.B.2	Heritage Automatic Train Protection (ATP) unit	V	-	V	A	-	-	A	V	A	A	A	A	A
B.B.3 L2	Automatic Train Operation (ATO) unit	-	-	-	-	-	-	-	-	-	-	-	-	-
B.B.3	Automatic Train Operation (ATO) unit	V	-	V	A	-	-	A	V	A	A	A	A	A
B.B.4 L2	Operations Radio System	-	-	-	-	-	-	-	-	-	-	-	-	-
B.B.4	Operations Radio System	V	-	V	V	-	-	V	V	V	V	A	A	A
B.B.5 L2	GSM-R	-	-	-	-	-	-	-	-	-	-	-	-	-
B.B.5	GSM-R	V	-	V	V	-	-	V	V	V	V	V	V	V

## Numerical code listings

### B.C CONTROL COMMAND AND SIGNALLING - TRACKSIDE

CODE	DESCRIPTION	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	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 - Train Detection Systems)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.1.2	Track Circuit Interrupters (Train Detection Systems)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.1.3	Train Detection Systems - Axle Counters (including Level Crossings)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.1.4	Treadles (including Level Crossings - Train Detection Systems)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.2	Lineside Signals & Indicators	-	-	-	-	-	-	-	-	-	-	-	-	-
B.C.1.2.1	Colour Light Signals (Lineside Signals & Indicators)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.2.2	Banner Signals (Lineside Signals & Indicators)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.2.3	Draw Ahead Signals (Lineside Signals & Indicators)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.2.4	Ground Position Light Signals (Lineside Signals & Indicators)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.2.5	Signal Lamps (including LEDs & Lamp Holders - Lineside Signals & Indicators)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.2.6	Signal Lenses (Lineside Signals & Indicators)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.2.7	Points Indicators (Lineside Signals & Indicators)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.2.8	Right Away/Close Door Indicators (RA/CD - Lineside Signals & Indicators)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.2.9	Off Indicators (Lineside Signals & Indicators)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.2.10	Train Ready To Start (TRTS - Lineside Signals & Indicators)	V	-	V	A	-	-	A	V	A	A	A	A	A

## Numerical code listings

### B.C CONTROL COMMAND AND SIGNALLING - TRACKSIDE

CODE	DESCRIPTION	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.1.2.11	Marker Posts - Shunt & SPAD Indicators (Lineside Signals & Indicators)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.3	Level Crossings	-	-	-	-	-	-	-	-	-	-	-	-	-
B.C.1.3.1	Level Crossing Controls	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.3.2	Level Crossing Mechanical Equipment e.g. Booms & Barriers	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.3.3	Level Crossing Warning Devices	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.3.4	Light Units/Wig Wags (Level Crossings)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.3.5	Audible Devices - Bells (Level Crossings)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.3.6	Signage (Level Crossings)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.3.7	Predictor (New Level Crossing Train Detection System)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.4	Points Machines	-	-	-	-	-	-	-	-	-	-	-	-	-
B.C.1.4.1	HPSS (Points Machines)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.4.2	Clamplock Points (Points Machines)	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 (Points Machines)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.4.5	Powerlink Backdrive (Points Machines)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.4.6	SO (Hydraulic Backdrive) (Points Machines)	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 (Staff Protection Systems - Permanent)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.5.2	ATWS (Staff Protection Systems - Permanent)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.6	Interlocking Systems - Excluding Mechanical	-	-	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### B.C CONTROL COMMAND AND SIGNALLING - TRACKSIDE

CODE	DESCRIPTION	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.1.6.1	Route Relay Interlocking Free Wired Both Yellow Book & Western Region (Interlocking Systems - Excluding Mechanical)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.6.2	West Pac 1,2,3,4 (Interlocking Systems - Excluding Mechanical)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.6.3	GEC Geographical (Interlocking Systems - Excluding Mechanical)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.6.4	SSI (Interlocking Systems - Excluding Mechanical)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.6.5	SIMS W (Interlocking Systems - Excluding Mechanical)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.6.6	Ansaldo (Interlocking Systems - Excluding Mechanical)	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 (Control 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 (Mechanical Signalling & Interlocking)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.9.2	Ground Frames Powered (Mechanical Signalling & Interlocking)	V	-	V	A	-	-	A	V	A	A	A	A	A

## Numerical code listings

### B.C CONTROL COMMAND AND SIGNALLING - TRACKSIDE

CODE	DESCRIPTION	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.1.9.3	Lever Frames (Mechanical & Electro Mechanical) (Mechanical Signalling & Interlocking)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.9.4	Semaphore Signals (Mechanical Signalling & Interlocking)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.9.5	Mechanical & Fabricated Equipment (Mechanical Signalling & Interlocking)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.9.6	Block Instruments (Mechanical Signalling & Interlocking)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.9.7	Token Instruments (Mechanical Signalling & Interlocking)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.10	Train Protection Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
B.C.1.10.1	ATP Equipment (Train Protection Systems)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.10.2	AWS Track Equipment (Train Protection Systems)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.10.3	TPWS & Associated Equipment (Train Protection Systems)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.10.4	Tilt Authorisation & Speed Supervision Equipment (Train Protection Systems)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.11	Transmission	-	-	-	-	-	-	-	-	-	-	-	-	-
B.C.1.11.1	Reed FDM Vital (Transmission)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.11.2	Reed FDM Non Vital (Transmission)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.11.3	TDM (Transmission)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.11.4	Signalling Cable (Transmission)	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.12	Event Logging & Condition Monitoring	-	-	-	-	-	-	-	-	-	-	-	-	-
B.C.1.12.1	Condition Monitoring	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.12.2	Electronic Digital System Event Loggers	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.12.3	Voltage Free Relay Event Loggers	V	-	V	A	-	-	A	V	A	A	A	A	A
B.C.1.13	Materials & Parts (Signalling)	V	-	V	-	-	-	-	-	-	-	-	-	-
B.C.2	Telecomms	-	-	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### B.C CONTROL COMMAND AND SIGNALLING - TRACKSIDE

CODE	DESCRIPTION	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	Operational Telecomms	-	-	-	-	-	-	-	-	-	-	-	-	-
B.C.2.1.1	Telephone Exchanges Including Switching Equipment (Operational Telecomms)	V	-	V	A	-	-	A	A	A	A	A	A	A
B.C.2.1.2	Telephone Concentrators (Including Switching Equipment) (Operational Telecomms)	V	-	V	A	-	-	A	A	A	A	A	A	A
B.C.2.1.3	Recording Equipment (Operational Telecomms)	V	-	V	A	-	-	A	A	A	A	A	A	A
B.C.2.1.4	UPS (Operational Telecomms)	V	-	V	A	-	-	A	A	A	A	A	A	A
B.C.2.1.5	Battery Back-up - Rectifier (Operational Telecomms)	V	-	V	A	-	-	A	A	A	A	A	A	A
B.C.2.1.6	Lineside Telephones (Operational Telecomms)	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.2.2.2	Telecommunication Housing & Enclosures - Active (Forced Ventilation/Heating etc.)	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 (Transmission)	V	-	V	A	-	-	A	A	A	A	A	A	A
B.C.2.2.9	Battery Back-up - Rectifier (Transmission)	V	-	V	A	-	-	A	A	A	A	A	A	A
B.C.2.2.10	Modem Services (Transmission)	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 (Radio)	V	-	V	A	-	-	A	A	A	A	A	A	A
B.C.2.3.3	Microwave Transmission Systems (Radio)	V	-	V	A	-	-	A	A	A	A	A	A	A

## Numerical code listings

### B.C CONTROL COMMAND AND SIGNALLING - TRACKSIDE

CODE	DESCRIPTION	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.2.3.4	Masts (Including Earthing & Lightening Protection - Radio)	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 (CCTV)	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.3.2	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
B.C.3.9	Bridge Strike 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.4	Signalling Design and Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-
B.C.4.1	Signalling Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
B.C.4.2	Control Tables/Reports	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### B.C CONTROL COMMAND AND SIGNALLING - TRACKSIDE

CODE	DESCRIPTION	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.4.3	Layout Risk Modelling	-	V	-	-	-	-	-	-	-	-	-	-	-
B.C.4.4	Signal Sighting	-	V	-	-	-	-	-	-	-	-	-	-	-
B.C.4.5	Development & Review of Signalling Standards	-	V	-	-	-	-	-	-	-	-	-	-	-

# Numerical code listings

## C.B TRACK

CODE	DESCRIPTION	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.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 L2	Track Drainage	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-

## Numerical code listings

### C.C STRUCTURES AND EARTHWORKS

CODE	DESCRIPTION	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	Structures and Earthworks	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.1	Bridges and Tunnels	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.1.1	Bridges	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.1.1.1	Timber Structures (Bridges)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.1.1.2	Metallic Structures (Including Cast Iron) & Steel Fabrication (Bridges)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.1.1.3	Masonry Structures (Including Brickwork) (Bridges)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.1.1.4	Reinforced Concrete Structures (Bridges)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.1.1.5	Fibre Reinforced Polymer (FRP) Strengthening & Renewal (Bridges)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.1.1.6	Pre-cast Concrete Structures & Pre-stressed Concrete Structures (Bridges)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.1.2	Tunnels	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.1.2.1	Tunnels	-	-	-	A	-	-	-	-	A	-	A	A	-
C.C.1.2.2	Tunnel Linings	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.1.2.3	Tunnel Drainage	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.1.3	Culverts, Subways & Undertrack Crossings	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.1.3.1	Metallic Structures (Culverts, Subways & Undertrack Crossings)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.1.3.2	Masonry Structures Including Brickwork (Culverts, Subways & Undertrack Crossings)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.1.3.3	Reinforced Concrete Structures (Culverts, Subways & Undertrack Crossings)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.1.3.4	Concrete-encased Plastic Pipes (Culverts, Subways & Undertrack Crossings)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.2	Equipment Support Structures	-	-	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### C.C STRUCTURES AND EARTHWORKS

CODE	DESCRIPTION	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.2.1	Gantries	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.2.2	Cantilevers	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.2.3	Straight Posts	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.2.4	Equipment Foundations	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.3	Structural Services	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.1	Structure Assessment and Examination	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.1.1	Structures Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.1.1.1	Underbridge Assessment	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.1.1.2	Overbridges Assessment	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.1.2	Structures Examination	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.1.2.1	Equipment Support Structures (Structure Assessment and Examination)	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.1.2.2	Bridges, Culverts & Retaining Walls (Structure Assessment and Examination)	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.1.2.3	Tunnels (Structure Assessment and Examination)	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.1.2.4	Coastal & Estuary Defences (Structure Assessment and Examination)	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.1.2.5	Earthworks (Structure Assessment and Examination)	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.1.2.6	CCTV Examination	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2	Specialist Services (Civils)	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.1	Roped Access (Specialist Services (Civils))	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.2	Scaffolding (Specialist Services (Civils))	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.3	Asbestos Services	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.3.1	Asbestos Testing and Consultancy (Special Assessment) (Specialist Services (Civils))	-	A	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### C.C STRUCTURES AND EARTHWORKS

CODE	DESCRIPTION	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.3.2.3.2	Asbestos Removal (Specialist Services (Civils))	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.4	Contamination Remediation (Specialist Services (Civils))	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.5	Diving (Specialist Services (Civils))	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.6	Drain Clearance & Water Jetting (Specialist Services (Civils))	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.7	Specialist Site Services (including Surveying) - Intrusive	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.8	Specialist Site Services (including Surveying)- Non-Intrusive	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.9	Concrete Services (Drilling and Cutting)	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.10	Grouting (Specialist Services (Civils))	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.11	Pigeon Control (Perching & Nesting Prevention) (Specialist Services (Civils))	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.12	Piling (Specialist Services (Civils))	-	-	V	A	-	A	A	A	A	-	A	A	A
C.C.3.2.13	Protective Treatments (Including Painting) (Specialist Services (Civils))	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.14	Scour Investigation (Specialist Services (Civils))	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.15	Scour Protection (Specialist Services (Civils))	-	-	V	A	-	A	A	A	A	-	A	A	-
C.C.3.2.16	Site investigation (Specialist Services (Civils))	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.17	Specialist Access (Platforms etc.) (Specialist Services (Civils))	-	-	V	A	-	A	A	A	A	-	A	A	A
C.C.3.2.18	Specialist Lifting & Jacking (Specialist Services (Civils))	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.19	Sprayed Concrete (Including Shotcrete) (Specialist Services (Civils))	-	-	V	A	-	A	-	A	A	-	A	A	-
C.C.3.2.20	Surfacing for Level Crossings (Specialist Services (Civils))	V	-	V	A	-	A	-	A	A	-	A	A	-

## Numerical code listings

### C.C STRUCTURES AND EARTHWORKS

CODE	DESCRIPTION	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.3.2.21	Temporary Works (Specialist Services (Civils))	-	-	V	A	-	A	A	A	A	-	A	A	A
C.C.3.2.22	Thrust Boring & Pipe Jacking (Horizontal Directional Drilling) (Specialist Services (Civils))	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.23	Track Support Concrete (Slab Track) (Specialist Services (Civils))	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.3.2.24	Ultrasonic Testing (Specialist Services (Civils))	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.25	Vibro Compaction (Specialist Services (Civils))	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.26	Waterproofing (Specialist Services (Civils))	-	-	V	A	-	A	-	A	A	-	-	-	-
C.C.3.2.27	Traffic Management/Road Closures (Specialist Services (Civils))	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.28	Portable Accommodation Including Site Welfare & Toilet Facilities (Specialist Services (Civils))	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.29	Demolition Services	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.30	Safety Boats	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.30.1	Safety Boats (unmanned) (Specialist Services (Civils))	-	A	V	-	-	-	-	-	-	-	-	-	-
C.C.3.2.30.2	Safety Boats (Manned) (Specialist Services (Civils))	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.31	Provision of unmanned Aerial Vehicles(Drones) (over 50 metres from Infrastructure) (Specialist Services (Civils))	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.2.32	Ready Mixed Concrete (Specialist Services (Civils))	-	-	V	-	-	-	-	-	-	-	-	-	-
C.C.3.3	Civil Engineering Design and Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### C.C STRUCTURES AND EARTHWORKS

CODE	DESCRIPTION	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.3.3.1	Civil Engineering Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.3.2	Development & Review of Civil Engineering Standards	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.3.3	Highway Engineering	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.4	Infrastructure Support	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.4.1	Possession Management	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.4.2	Trackworker Protection	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.4.2.7	Safe System of Work Planning (Infrastructure Support)	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.4.2.8	Temporary Automatic Track Warning Systems (TATWS) (Infrastructure Support)	V	A	-	-	-	-	-	-	-	-	-	-	-
C.C.3.4.3	Leaf Fall & Vegetation Clearance	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.4.3.1	Lineside Tree & Scrub Clearance	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.4.3.2	Vegetation Management (On Network Rail Controlled Infrastructure)	-	V	-	-	-	-	-	-	-	-	-	-	-
C.C.3.4.3.3	Weed KillingVegetation Management (Off Network Rail Controlled Infrastructure)	-	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	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### C.C STRUCTURES AND EARTHWORKS

CODE	DESCRIPTION	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.3.4.7	Infrastructure Fences, Barriers & Boundary Gates	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.4.7.1	Concrete Fences	V	-	V	V	-	V	-	V	V	-	V	V	-
C.C.3.4.7.2	Timber Fences	V	-	V	V	-	V	-	V	V	-	V	V	-
C.C.3.4.7.3	Metal Fences	V	-	V	V	-	V	-	V	V	-	V	V	-
C.C.3.4.7.4	Plastic Fences	V	-	V	V	-	V	-	V	V	-	V	V	-
C.C.3.4.7.5	Boundary Gates	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	-
C.C.3.4.7.7	Safety Barriers & Restraints	V	-	V	V	-	V	-	V	V	-	V	V	-
C.C.3.4.7.8	Noise Barriers	V	-	V	V	-	V	-	V	V	-	V	V	-
C.C.3.4.7.9	Acoustic Linings	V	-	V	V	-	V	-	V	V	-	V	V	-
C.C.3.4.7.10	Absorptive Barriers	V	-	V	V	-	V	-	V	V	-	V	V	-
C.C.3.4.7.11	Reflective Barriers	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	-
C.C.3.4.8	Earthworks	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.3.4.8.1	Earthworks (Embankments, Cuttings etc.)	-	-	-	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, Mass & Precast)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.3.4.8.2.2	Rock Armour	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.3.4.8.2.3	Groynes	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.3.4.8.2.4	Off Shore Breakwaters	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.3.4.8.2.5	Revetments (Stone & Concrete)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.3.4.8.2.6	Cliff Stabilisation (Including Rock Anchors, Netting & Scaling)	V	-	V	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	-

## Numerical code listings

### C.C STRUCTURES AND EARTHWORKS

CODE	DESCRIPTION	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.3.4.8.3.2	Concrete Structures (Mass & Reinforced)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.3.4.8.3.3	Reinforced Earth Structures	V	-	V	A	-	A	-	A	A	-	A	A	-
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
C.C.3.4.8.5	Soil Nailing	V	-	V	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
C.C.3.4.8.10	Ground Stabilisation (including Lime)	V	-	V	A	-	A	-	A	A	-	A	A	-
C.C.3.4.9	Isolations Management Service	-	A	-	-	-	-	-	-	-	-	-	-	-
C.C.4 L2	Materials & Parts (Civils)	-	-	-	-	-	-	-	-	-	-	-	-	-
C.C.4	Materials & Parts (Civils)	V	-	V	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### C.D STATIONS AND DEPOT BUILDING WORKS

CODE	DESCRIPTION	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	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.2.2	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.2.10	External Works (Drainage, Including Surface, Foul & Sewerage Treatment)	V	-	V	A	-	A	-	V	A	A	A	A	-
C.D.2.11	Minor Building Work (Including Ancillary Buildings & Alterations to Existing Buildings)	V	-	V	A	-	A	-	V	A	A	A	A	-
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

## Numerical code listings

### C.D STATIONS AND DEPOT BUILDING WORKS

CODE	DESCRIPTION	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.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 Treatment Systems, Refrigeration)	V	-	V	A	-	-	A	V	A	A	A	A	A
C.D.4	Specialist Services	-	-	-	-	-	-	-	-	-	-	-	-	-
C.D.4.1	Canopies (Stations & Depots)	V	-	V	A	-	A	A	V	A	A	A	A	-
C.D.4.2	Major Station & Concourse Roofs	V	-	V	A	-	A	A	V	A	A	A	A	-
C.D.4.3	Specialist Doors & Windows	V	-	V	A	-	-	-	V	A	-	A	A	-
C.D.4.4	Roller Shutters & Security Grills	V	-	V	A	-	-	-	V	A	A	A	A	-
C.D.4.5	Ticket Barriers	V	-	V	A	-	-	A	V	A	A	A	A	A
C.D.4.6	Turnstiles	V	-	V	A	-	-	A	V	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
C.D.4.9	Modular Buildings & REBs (For Equipment Installation)	V	-	V	A	-	-	A	V	A	A	A	A	A
C.D.5 L2	Shopfitting	-	-	-	-	-	-	-	-	-	-	-	-	-
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
C.D.6.2	Escalators	V	-	V	A	-	-	A	V	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	-
C.D.7.2	Platform Face Walls	V	-	V	A	-	A	-	A	A	-	A	A	-
C.D.7.3	Modular Platforms Including Trestle	V	-	V	A	-	A	-	A	A	-	A	A	-

## Numerical code listings

### C.D STATIONS AND DEPOT BUILDING WORKS

CODE	DESCRIPTION	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.7.4	Raised Walkways	V	-	V	A	-	A	-	A	A	-	A	A	-
C.D.7.5	Authorised Walking Routes & Access Points	V	-	V	A	-	A	-	A	A	-	A	A	-
C.D.7.6	Paths & Safe Cess	V	-	V	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	-
C.D.8.2	Car & Cycle Parks	V	-	V	V	-	V	-	V	V	-	V	V	-
C.D.8.3	Roadways	V	-	V	V	-	V	-	V	V	-	V	V	-
C.D.8.4	User & Footpath Crossing Surfacing	V	-	V	A	-	A	-	A	A	-	A	A	-
C.D.9 L2	Materials & Parts (Building Works)	-	-	-	-	-	-	-	-	-	-	-	-	-
C.D.9	Materials & Parts (Building Works)	V	-	V	-	-	-	-	-	-	-	-	-	-

### C.E INFRASTRUCTURE CONSULTANCY AND DESIGN

CODE	DESCRIPTION	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.E	Infrastructure Consultancy and Design	-	-	-	-	-	-	-	-	-	-	-	-	-
C.E.1 L2	Track Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-
C.E.1	Track Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
C.E.2 L2	Development & Review of Track Standards	-	-	-	-	-	-	-	-	-	-	-	-	-
C.E.2	Development & Review of Track Standards	-	V	-	-	-	-	-	-	-	-	-	-	-
C.E.3 L2	Level Crossing Ground Plans	-	-	-	-	-	-	-	-	-	-	-	-	-
C.E.3	Level Crossing Ground Plans	-	V	-	-	-	-	-	-	-	-	-	-	-
C.E.4 L2	Emergency and Temporary Speed Restrictions	-	-	-	-	-	-	-	-	-	-	-	-	-
C.E.4	Emergency and Temporary Speed Restrictions	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### C.F INFRASTRUCTURE ENGINEERING TRAINING

CODE	DESCRIPTION	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.F L1	Infrastructure Engineering Training	-	-	-	-	-	-	-	-	-	-	-	-	-
C.F L2	Infrastructure Engineering Training	-	-	-	-	-	-	-	-	-	-	-	-	-
C.F	Infrastructure Engineering Training	-	V	-	-	-	-	-	-	-	-	-	-	-

### D.B IN POSSESSION MACHINES

CODE	DESCRIPTION	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.B	In Possession Machines	-	-	-	-	-	-	-	-	-	-	-	-	-
D.B.1 L2	On Track Plant(OTP) with/without Operator	-	-	-	-	-	-	-	-	-	-	-	-	-
D.B.1	On Track Plant(OTP) with/without Operator	A	A	A	-	A	-	-	-	A	A	-	A	-

### D.C GENERAL PLANT (ALL OPERATED PLANT)

CODE	DESCRIPTION	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.C L1	General Plant (All Operated Plant)	-	-	-	-	-	-	-	-	-	-	-	-	-
D.C L2	General Plant (All Operated Plant)	-	-	-	-	-	-	-	-	-	-	-	-	-
D.C	General Plant (All Operated Plant)	V	V	V	-	A	-	-	-	V	V	-	V	-

## Numerical code listings

### D.D SMALL PLANT AND HAND TOOLS

CODE	DESCRIPTION	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	Small Plant and Hand Tools	-	-	-	-	-	-	-	-	-	-	-	-	-
D.D.2 L2	Small Plant	-	-	-	-	-	-	-	-	-	-	-	-	-
D.D.2	Small Plant	V	V	V	-	-	-	-	-	V	V	-	-	-
D.D.3 L2	Manually Propelled Rail Mounted Equipment (inc P-Way Trolleys)	-	-	-	-	-	-	-	-	-	-	-	-	-
D.D.3	Manually Propelled Rail Mounted Equipment (inc P-Way Trolleys)	V	A	A	-	-	-	-	-	A	A	-	A	-
D.D.4 L2	Lifting Accessories & Inspection/ Certification	-	-	-	-	-	-	-	-	-	-	-	-	-
D.D.4	Lifting Accessories & Inspection/ Certification	V	V	V	-	-	-	-	-	V	V	-	-	-
D.D.5 L2	Plant Tagging & Calibration	-	-	-	-	-	-	-	-	-	-	-	-	-
D.D.5	Plant Tagging & Calibration	-	V	-	-	-	-	-	-	-	-	-	-	-
D.D.6 L2	Trackside Lighting, Temporary & Permanent	-	-	-	-	-	-	-	-	-	-	-	-	-
D.D.6	Trackside Lighting, Temporary & Permanent	V	V	V	-	-	-	-	-	V	V	-	-	-
D.D.7 L2	Hand Tools	-	-	-	-	-	-	-	-	-	-	-	-	-
D.D.7	Hand Tools	V	V	V	-	-	-	-	-	V	V	-	-	-
D.D.8 L2	Materials & Parts (Plant & Tools)	-	-	-	-	-	-	-	-	-	-	-	-	-
D.D.8	Materials & Parts (Plant & Tools)	V	-	V	-	-	-	-	-	-	-	-	-	-
D.D.9 L2	Inspection, Test, Monitoring & Measuring Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
D.D.9	Inspection, Test, Monitoring & Measuring Equipment	-	V	V	-	-	-	-	-	V	V	-	-	-

## Numerical code listings

### D.E FIXED INFRASTRUCTURE PLANT

CODE	DESCRIPTION	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.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	-	-	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### D.E FIXED INFRASTRUCTURE PLANT

CODE	DESCRIPTION	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.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
D.E.7	Power Supplies	-	-	-	-	-	-	-	-	-	-	-	-	-
D.E.7.1	Chargers for Signalling Equipment	V	-	V	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
D.E.7.3	Point T/J (Transformer Rectifiers)	V	-	V	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
D.E.7.5	Batteries	V	-	V	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
D.E.8 L2	Materials & Parts (Fixed Infrastructure Plant)	-	-	-	-	-	-	-	-	-	-	-	-	-
D.E.8	Materials & Parts (Fixed Infrastructure Plant)	V	-	V	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### D.F VEHICLE MAINTENANCE PLANT

CODE	DESCRIPTION	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.F	Vehicle Maintenance Plant	-	-	-	-	-	-	-	-	-	-	-	-	-
D.F.1 L2	Fuel Storage & Dispensing Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
D.F.1	Fuel Storage & Dispensing Systems	V	-	V	A	-	-	A	A	A	A	A	A	A
D.F.2 L2	Fuel, Oil & Water Storage Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
D.F.2	Fuel, Oil & Water Storage Tanks	V	-	V	A	-	-	A	A	A	A	A	A	A
D.F.3 L2	Carriage Washing Machines	-	-	-	-	-	-	-	-	-	-	-	-	-
D.F.3	Carriage Washing Machines	V	-	V	A	-	-	A	A	A	A	A	A	A
D.F.4 L2	Wheel Lathes	-	-	-	-	-	-	-	-	-	-	-	-	-
D.F.4	Wheel Lathes	V	-	V	A	-	-	A	A	A	A	A	A	A
D.F.5 L2	Overhead Cranes	-	-	-	-	-	-	-	-	-	-	-	-	-
D.F.5	Overhead Cranes	V	-	V	A	-	-	A	A	A	A	A	A	A
D.F.6 L2	Vehicle Lifting Jacks	-	-	-	-	-	-	-	-	-	-	-	-	-
D.F.6	Vehicle Lifting Jacks	V	-	V	A	-	-	A	A	A	A	A	A	A
D.F.7 L2	Shore Supplies & Battery Chargers	-	-	-	-	-	-	-	-	-	-	-	-	-
D.F.7	Shore Supplies & Battery Chargers	V	-	V	A	-	-	A	A	A	A	A	A	A
D.F.8 L2	Controlled Emission Toilet Facilities	-	-	-	-	-	-	-	-	-	-	-	-	-
D.F.8	Controlled Emission Toilet Facilities	V	-	V	A	-	-	A	A	A	A	A	A	A
D.F.9 L2	Industrial Weighing Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
D.F.9	Industrial Weighing Equipment	V	-	V	A	-	-	A	A	A	A	A	A	A
D.F.10 L2	Depot Personnel Protection Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
D.F.10	Depot Personnel Protection Systems	V	-	V	A	-	-	A	A	A	A	A	A	A

## Numerical code listings

### D.G PLANT DESIGN AND CONSULTANCY

CODE	DESCRIPTION	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.G	Plant Design and Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-
D.G.1 L2	Plant Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-
D.G.1	Plant Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
D.G.2 L2	Fixed Infrastructure Plant Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-
D.G.2	Fixed Infrastructure Plant Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
D.G.3 L2	Development & Review of Plant Standards	-	-	-	-	-	-	-	-	-	-	-	-	-
D.G.3	Development & Review of Plant Standards	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### E RAIL VEHICLES

CODE	DESCRIPTION	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	Rail Vehicles	-	-	-	-	-	-	-	-	-	-	-	-	-
E.B L2	Locomotives	-	-	-	-	-	-	-	-	-	-	-	-	-
E.B	Locomotives	V	-	V	V	-	-	V	V	V	V	-	V	-
E.C L2	Loco-Hauled Coaching Stock	-	-	-	-	-	-	-	-	-	-	-	-	-
E.C	Loco-Hauled Coaching Stock	V	-	V	V	-	-	V	V	V	V	-	V	-
E.D L2	Driving Trailers	-	-	-	-	-	-	-	-	-	-	-	-	-
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 L2	Light Rail Vehicles inc. Metros and Trams	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-
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	-

## Numerical code listings

### E.J SPECIALIST RAIL VEHICLE SERVICES

CODE	DESCRIPTION	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.J	Specialist Rail Vehicle Services	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.1 L2	Train Servicing	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.1	Train Servicing	-	V	-	-	-	-	-	-	-	-	-	-	-
E.J.2 L2	Interior Train Cleaning	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.2	Interior Train Cleaning	-	V	-	-	-	-	-	-	-	-	-	-	-
E.J.3 L2	Crash Damage/Repair	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.3	Crash Damage/Repair	-	V	-	-	-	-	-	-	-	-	-	-	-
E.J.4 L2	Corrosion Repair	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.4	Corrosion Repair	-	V	-	-	-	-	-	-	-	-	-	-	-
E.J.5 L2	Painting	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.5	Painting	-	V	-	-	-	-	-	-	-	-	-	-	-
E.J.6 L2	Vinyl Wrap	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.6	Vinyl Wrap	-	V	-	-	-	-	-	-	-	-	-	-	-
E.J.7 L2	Non-Destructive Testing (Rail Vehicles)	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.7	Non-Destructive Testing (Rail Vehicles)	-	V	-	-	-	-	-	-	-	-	-	-	-
E.J.8 L2	Oil Testing & Monitoring	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.8	Oil Testing & Monitoring	-	V	-	-	-	-	-	-	-	-	-	-	-
E.J.9 L2	Condition Monitoring of Rail Vehicles	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.9	Condition Monitoring of Rail Vehicles	-	V	-	-	-	-	-	-	-	-	-	-	-
E.J.10 L2	Stabling and Storage of Rolling Stock On Private Infrastructure	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### E.J SPECIALIST RAIL VEHICLE SERVICES

CODE	DESCRIPTION	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.J.12 L2	Competent Person	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.12	Competent Person	-	V	-	-	-	-	-	-	-	-	-	-	-
E.J.13 L2	Spares management	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.13	Spares management	-	V	-	-	-	-	-	-	-	-	-	-	-
E.J.14 L2	Trainborne Infrastructure Monitoring Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
E.J.14	Trainborne Infrastructure Monitoring Equipment	-	V	V	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### E.K MATERIALS AND PARTS FOR RAIL VEHICLES

CODE	DESCRIPTION	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	Materials and Parts for Rail Vehicles	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.1	Transverse Vehicle Parts	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.1.1	Bearings	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.1.1.1	Plastic (Bearings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.1.1.2	Roller (Bearings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.1.1.3	White Metal (Bearings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.1.2	Connectors	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.1.2.1	Plugs and Sockets (Connectors)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.1.2.2	Connecting Material (Connectors)	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	-

## Numerical code listings

### E.K MATERIALS AND PARTS FOR RAIL VEHICLES

CODE	DESCRIPTION	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.1.7.3	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	-
E.K.1.7.6	Control & Display Unit	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.1.8	Pipes and Fittings	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.1.9	Rubber Components	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.1.9.1	Rubber matting	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.1.9.2	Rubber composite bushes	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	-
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	-

## Numerical code listings

### E.K MATERIALS AND PARTS FOR RAIL VEHICLES

CODE	DESCRIPTION	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.1.16	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 (Sealants and Adhesive)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.1.17.2	Thread locking adhesive (Sealants and Adhesive)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2	Vehicle Structure and Body	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.2.1	Vehicle body shell	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.2.1.1	Insulation (Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.2	Underframe (Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.3	Side walls (Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.4	Roof (Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.5	Head of vehicle (Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.6	End wall (Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.7	Intermediate horizontal structure (Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.8	Structural partitions (Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.9	Weld-on/Add-on Parts	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.2.1.9.1	Obstacle Deflectors (Weld-on/Add-on Parts - Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.9.2	Anti Climbers (Weld-on/Add-on Parts - Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.9.3	Bolsters (Weld-on/Add-on Parts - Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.10	Crash Structure (Vehicle body shell)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.1.11	Full Vehicle body shell	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.2	Windows and Windscreen	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.2.2.1	Front Windscreen	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.2.2.2	Opening windows	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.2.2.3	Glazing Units	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3	Vehicle Fitting Out and Interiors	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.3.1	Train Crew Facilities	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.3.1.1	Sunblinds (Interior & Train Crew Facilities)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.1.2	Wipers/Washing System (Interior & Train Crew Facilities)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.1.3	Windscreen heating system (Interior & Train Crew Facilities)	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 (Interior Fixtures and Fittings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.4.2	Luggage and Other Racks (Interior Fixtures and Fittings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.4.3	Rails, Handles (interior) (Interior Fixtures and Fittings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.4.4	Internal glazing and Mirrors (Interior Fixtures and Fittings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.4.5	Table (Interior Fixtures and Fittings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.4.6	Sleeping Berth (Interior Fixtures and Fittings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.4.7	Curtains and Blinds (Interior Fixtures and Fittings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.5	External Fixtures and Fittings	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.3.5.1	External Grab Handles (External Fixtures and Fittings)	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.3.5.2	Lamp Bracket and similar fittings (External Fixtures and Fittings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.5.3	Crew access side steps (External Fixtures and Fittings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.5.4	Fixed passenger stepboards (External Fixtures and Fittings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.5.5	Side skirts and fairings (External Fixtures and Fittings)	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	-
E.K.3.8	Retail and Sales Facilities	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.3.8.1	Onboard Ticket Sales/Validation Machines (Retail and Sales Facilities)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.8.2	Display Cabinets (Retail and Sales Facilities)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.8.3	Vending Machines (Retail and Sales Facilities)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.8.4	Cash Register (Retail and Sales Facilities)	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	-

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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.3.10	Emergency Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.3.10.1	Fire Extinguishing Equipment (Emergency Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.10.2	Ladder (Emergency Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.10.3	First Aid (Emergency Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.10.4	Wheelchair Ramp (Emergency Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.10.5	Track Protection Equipment (Emergency Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.3.11	Labels and Signs	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 (Bogie and single axle support structure)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.1.2	Trailer bogie (Bogie and single axle support structure)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.1.3	Bogie Frame (Bogie and single axle support structure)	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 (Bogie and single axle support structure - Auxiliary Bogie Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.4.1.4.2	Axle Brush (Bogie and single axle support structure - Auxiliary Bogie Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.1.4.3	Lifeguard (Bogie and single axle support structure - Auxiliary Bogie Equipment)	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 (Bogie and single axle support structure - Auxiliary Bogie Equipment safety add-ons)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.1.4.4.2	Hotbox detector (Bogie and single axle support structure - Auxiliary Bogie Equipment safety add-ons)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.1.4.5	Flange Lubrication System (Bogie and single axle support structure - Auxiliary Bogie Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.2	Wheel set	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.4.2.1	Axle (Wheel set)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.2.2	Wheel (Wheel set)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.2.3	Axlebox (Wheel set)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.2.4	Wheel Bearing (Wheel set)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.2.5	Gearwheel (Wheel set)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.2.6	Brake Disc (Wheel set)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.2.7	TM Sus Tube (Wheel set)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.3	Springs and Suspension Components	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.4.3.1	Adjustment (Springs and Suspension Components)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.3.2	Metal springs (Springs and Suspension Components)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.3.3	Rubber springs (Springs and Suspension Components)	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.4.3.4	Airbag (Springs and Suspension Components)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.3.5	Active Components (Springs and Suspension Components)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.3.6	Passive Components (Springs and Suspension 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 (Bogie to vehicle Attachment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.5.2	Electrical Connections (Bogie to vehicle Attachment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.5.3	Pneumatic Connections (Bogie to vehicle Attachment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.5.4	Bumpstops (Bogie to vehicle Attachment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.5.5	Anti Roll Bar (Bogie to vehicle Attachment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.6	Tilt mechanism	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.4.6.1	Actuator (Tilt mechanism)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.4.6.2	Tilt Beams and Links (Tilt mechanism)	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 (AC Overhead Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.1.2	Roof Disconnecter inc Earthing Switch (AC Overhead Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.1.3	Lightning Arrestor (AC Overhead Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.1.4	System Changeover Switch (AC Overhead Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.5.1.5	Current Transducer (AC Overhead Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.1.6	Voltage Transducer (AC Overhead Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.2	DC 3rd Rail Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.5.2.1	Third rail shoe gear (DC 3rd Rail Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.2.2	Shoe Fuse (DC 3rd Rail Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.2.3	Arc Guard (DC 3rd Rail Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.3	Power circuit breakers	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.5.3.1	HS Circuit Breaker (Power circuit breakers)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.3.2	Air Blast Circuit Breaker (Power circuit breakers)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.3.3	Vacuum Circuit Breaker (Power circuit breakers)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.4	HV transformer	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.5.4.1	Main Transformer (HV Transformer)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.4.2	Transformer Radiator (HV Transformer)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.4.3	Transformer Oil Pump (HV Transformer)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.4.4	Bucholz Switch (HV Transformer)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.4.5	Silica Gel Breather (HV Transformer)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.5	HV Cables	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.5.5.1	HT Cable (HV Cables)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.5.2	Insulators/Bushing (HV Cables)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.5.3	Roof Cable (HV Cables)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.5.5.4	Power Supply (HV Cables)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6	Power generation	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.6.1	Internal combustion engine	-	-	-	-	-	-	-	-	-	-	-	-	-

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E.K.6.1.1	Engine Mount (Internal combustion engine)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.1.2	Cylinder Head (Internal combustion engine)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.1.3	Lube Oil Pump (Internal combustion engine)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.2	Exhaust gas facility	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.6.2.1	Exhaust Bellows (Exhaust gas facility)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.2.2	Silencer (Exhaust gas facility)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.3	Fuel System	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.6.3.1	Fuel Tank (Fuel System)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.3.2	Fuel Lift Pump (Fuel System)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.3.3	High Pressure Pump (Fuel System)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.3.4	Governor (Fuel System)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.3.5	Fuel Rack (Fuel System)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.3.6	Electronic Control System (Fuel System)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.4	Air Intake	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.6.4.1	Turbo Charger (Air intake)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.4.2	Inter Cooler (Air intake)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.5	Starter Motor	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.6.5.1	Starter Control Unit (Starter Motor)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.6	Cooling System	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.6.6.1	Radiator (Cooling System)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.6.2	Water Pump (Cooling System)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.6.3	Radiator Fan (Cooling System)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.6.4	Coolant Header Tank (Cooling System)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.6.7	Traction Alternator / Generator	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.7	Propulsion and Dynamic Braking	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.7.1	Traction and braking converters	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.2	Frequency Monitoring Unit	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.7.2.1	Electronic Modules (Frequency Monitoring Unit)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.2.2	Cards (Frequency Monitoring Unit)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.3	Rectifier	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.7.3.1	Fan (Rectifier)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.3.2	Power Electronic Modules (Rectifier)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.3.3	Power Electronic Devices (Rectifier)	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 (Switchgear)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.5	Waste power dissipation/recovery	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.7.5.1	Traction and braking resistors (Waste power dissipation/recovery)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.5.2	Fans (Waste power dissipation/recovery)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.5.3	Radiator (Waste power dissipation/recovery)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.5.4	Pump (Waste power dissipation/recovery)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.6	Power storage	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.7.6.1	Traction Battery (Power Storage)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.6.2	Flywheel (Power Storage)	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	-	-	-	-	-	-	-	-	-	-	-	-	-

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E.K.7.9.1	Stator (Traction Motor)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.9.2	Rotor (Traction Motor)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.9.3	Brushgear (Traction Motor)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.9.4	Carbon Brushes (Traction Motor)	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 (Drive Shaft - Mechanical transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.10.1.2	Coupling (Drive Shaft - Mechanical transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.10.2	Gearbox (Mechanical Drive)	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.7.10.2.1	Couplings (Gearbox - Mechanical Drive, Mechanical transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.10.2.2	Sensors (Gearbox - Mechanical Drive, Mechanical transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.10.2.3	Mountings (Gearbox - Mechanical Drive, Mechanical transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.10.2.4	Torque Link (Gearbox - Mechanical Drive, Mechanical transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.10.3	Final Drive (Mechanical transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.10.4	Final Drive(For Traction Motor)	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.7.10.4.1	Gear Case (Final Drive For Traction Motor - Mechanical transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.10.4.2	Seals (Final Drive For Traction Motor - Mechanical transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.7.11	Hydraulic Traction Equipment	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/TPWS)	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.8.1.2	Electronic Train Control System (ETCS)	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.8.1.2.1	Position Sensor (Balise - Electronic Train Control System (ETCS) - Operation Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.1.2.2	ERTMS Sensor (Electronic Train Control System (ETCS) - Operation Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.1.2.3	ERTMS HMI (Electronic Train Control System (ETCS) - Operation Controls)	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 (Driving and Braking Operation Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.1.5	Power Generation Controls (Operation Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.1.6	Power Supply Controls (Operation Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.1.7	Tilt Control System	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.1.8	Couple/Uncouple Controls (Operation Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.1.9	Sanding Controls (Operation Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.2	Auxiliary Controls	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.8.2.1	Auxiliary Sensors	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.8.2.1.1	Auxiliary Sensors (Auxiliary Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.2.2	Automatic power Control (APC) System	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.8.2.2.1	Automatic power Control (APC) System (Auxiliary Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.2.3	Train Control and Management System (TCMS)	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.8.2.3.1	Train Control and Management System (TCMS) (Auxiliary Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.8.2.4	Manual Auxiliary Controls	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.8.2.4.1	Auxiliaries trip/set (Manual Auxiliary Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.2.4.2	ETS Set/Trip (Manual Auxiliary Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.2.4.3	Battery Isolating Switch (Manual Auxiliary Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.2.4.4	Lighting Controls (Manual Auxiliary Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.2.4.5	Heating Controls (Manual Auxiliary Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.8.2.4.6	Controls for Power Storage System (Manual Auxiliary Controls)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.9	Auxiliary electrical equipment and systems	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.9.1	On Board Auxiliary Power	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.9.1.1	Motor Alternator set (On Board Auxiliary Power )	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.9.1.2	Alternator (On Board Auxiliary Power)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.9.2	Low Voltage Auxiliary Electrical Supply	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.9.2.1	Power Converter (Low Voltage Auxiliary Electrical Supply)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.9.2.2	Transformer (Low Voltage Auxiliary Electrical Supply)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.9.2.3	Generator Set (Low Voltage Auxiliary Electrical Supply)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.9.3	Auxiliary and starting battery	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.9.3.1	Battery (Auxiliary/Starting)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.9.3.2	Battery Charger (Auxiliary/Starting)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.9.4	Shore Supply Connection	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.9.4.1	Shore Supply Socket (Shore Supply Connection)	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.9.4.2	Shore Supply Change Over Switch (Shore Supply Connection)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.9.5	Auxiliary Electrical Machines	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.9.5.1	Emergency power generators (Auxiliary Electrical Machines)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.9.6	Auxiliary Power Distribution & Control	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10	Monitoring, communication and safety devices	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.10.1	Measuring and protective devices	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.2	Indicating, recording, display devices	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.10.2.1	Fault indicators (Indicating, recording, display devices)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.2.2	On-train monitoring and recording (OTMR - Indicating, recording, display devices)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.2.3	Condition Monitoring (Indicating, recording, display devices)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.2.4	Juridical recorder (Indicating, recording, display devices)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.2.5	Video surveillance (Indicating, recording, display devices)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.2.6	System Data Acquisition (Indicating, recording, display devices)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.3	Safety devices	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.10.3.1	Heritage Automatic Train Protection (ATP) Unit (Safety devices)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.3.2	Horn (Safety devices)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.3.3	Fire protection system	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.10.3.3.1	Fire detection system (Fire protection system - Safety devices)	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.10.3.3.2	Fire extinguishing system (Fire protection system - Safety devices)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.4	Data transmission devices	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.5	Communication equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.10.5.1	Operations radio system (communication equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.5.2	Train crew communication system equipment	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.5.3	Passenger Emergency Communication equipment	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.5.4	Automatic Passenger Counters (communication equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.10.5.5	Track Circuit Assistor System (communication equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.11	Lighting	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.11.1	Exterior lighting equipment	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.11.2	Interior lighting equipment	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.12	Heating, ventilating and air conditioning	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.12.1	Air cooling	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.12.2	Heating System	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.12.2.1	Electric Heating System	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.12.2.2	Hot water heating system	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.12.2.2.1	Water Heater (Hot water heating system)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.12.3	HVAC control	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.12.4	Ventilation	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13	Doors, Entrances	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.13.1	External Doors	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.13.1.1	Train Door Control System (External Doors)	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.13.1.2	Local Door Control System (External Doors)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.1.3	Door Header Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.13.1.3.1	Door Header Equipment (External Doors - Pneumatic Actuator)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.1.3.2	Door Header Equipment (External Doors - Electric Actuator (Inc gearbox))	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.1.4	Door Leaf and Associated Parts	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.13.1.4.1	Door Leaf and Associated Parts (External Doors - Door Leaf)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.1.4.2	Door Leaf and Associated Parts (External Doors - Door Furniture (eg handle))	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.1.5	Door Guidance (External)	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.13.1.5.1	Track (Door Guidance & External Doors)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.1.5.2	Control Arm (Door Guidance & External Doors)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.1.6	Entrance Steps	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.13.1.6.1	Fixed steps (for passengers)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.1.6.2	Automatic Entrance steps and ramps (External Doors)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.1.6.3	Special facilities for People with Reduced Mobility	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.13.1.6.3.1	Lifts - Special facilities for people with reduced mobility (External Doors & Entrance Steps)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.1.6.3.2	Ramps - Special facilities for people with reduced mobility (External Doors & Entrance Steps)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.1.6.4	Emergency key operated entrance step (External Doors & Entrance Steps)	V	-	V	V	-	-	-	-	V	V	V	V	-

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E.K.13.1.7	Freight Loading Doors (External Doors)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.2	Internal Doors	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.13.2.1	Door control System (Internal Doors)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.2.2	Door Header Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.13.2.2.1	Pneumatic Actuator (Internal Doors - Door Header Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.2.2.2	Electric Actuator Inc. gearbox (Internal Doors - Door Header Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.2.3	Door Leaf and Associated Parts	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.13.2.3.1	Door Leaf (Internal Doors and associated parts)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.2.3.2	Door Furniture (eg handle, latch - Internal Doors, Door Leaf and Associated Parts)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.2.3.3	Passenger Door Operation Controls (Internal Doors, Door Leaf and associated parts)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.2.4	Door Guidance	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.13.2.4.1	Track (Internal Doors & Door Guidance)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.13.2.4.2	Control Arm (Internal Doors & Door Guidance)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.14	Passenger Information systems	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.14.1	Passenger Information Display	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.14.2	Entertainment	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.14.3	Advertising	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.14.4	Public Address System	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.15	Pneumatic/hydraulic systems	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.15.1	Air Compressor	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-

## Numerical code listings

### E.K MATERIALS AND PARTS FOR RAIL VEHICLES

CODE	DESCRIPTION	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.15.2	Air treatment	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.15.2.1	Aftercooler (Air treatment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.15.2.2	Air Filter (Air treatment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.15.2.3	Air Driers (Air treatment)	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 (Air distribution and control)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.15.4.2	Gauges (Air distribution and control)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.15.4.3	Governor (Pressure Switch) (Air distribution and control)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.15.4.4	Safety Valve (Air distribution and control)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.15.4.5	Pressure Reducing Valve (Air distribution and control)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.15.4.6	Automatic Drain Valve (Air distribution and control)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.15.5	(Hydraulic system) pumps	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.15.5.1	Hydraulic (Hydrostatic Motor - (Hydraulic system pumps))	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 (Hydraulic system distribution and control)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.16	Brake	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.16.2	Friction brake components	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.16.2.1	Brake Pad (Friction brake components)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.16.2.2	Brake Block (Friction brake components)	V	-	V	V	-	-	-	-	V	V	V	V	-

## Numerical code listings

### E.K MATERIALS AND PARTS FOR RAIL VEHICLES

CODE	DESCRIPTION	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.16.3	Mechanical brake force transmission	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.16.3.1	Brake Actuator (Mechanical brake force transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.16.3.2	Brake Rigging (Mechanical brake force transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.16.3.3	Calipers (Mechanical brake force transmission)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.16.3.4	Links and Pins (Mechanical brake force transmission)	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 (Vehicle Brake Control)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.16.4.2	Electronic Brake Control Unit (Vehicle Brake Control)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.16.4.3	Distributor (Vehicle Brake Control)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.16.5	Train Brake Control Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.16.5.1	Electrical Control Equipment (Train Brake Control Equipment)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.16.5.2	Pneumatic Control Equipment (Train Brake 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	-
E.K.17.2	Manual coupling devices	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.3	Semi-Permanent Coupler	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.4	Vehicle-vehicle interface for, signals, power, compressed-air	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.17.4.1	Electrical Control or Data Jumpers and Sockets (Vehicle-vehicle interface for signals, power, compressed-air)	V	-	V	V	-	-	-	-	V	V	V	V	-

## Numerical code listings

### E.K MATERIALS AND PARTS FOR RAIL VEHICLES

CODE	DESCRIPTION	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.17.4.2	Electrical Power Jumpers and Sockets (Vehicle-vehicle interface for signals, power, compressed-air)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.5	Combined Mechanical, Air and Electric Autocoupler	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.17.5.1	Compact coupling system (Combined Mechanical, Air and Electric Autocoupler)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.5.2	Scharfenberg (Combined Mechanical, Air and Electric Autocoupler)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.5.3	Wedgelock (Combined Mechanical, Air and Electric Autocoupler)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.6	Towing gear (emergency couplings)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.7	Drawgear	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.8	Buffing gear	-	-	-	-	-	-	-	-	-	-	-	-	-
E.K.17.8.1	Hydraulic buffers (Buffing gear)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.8.2	Spring buffers (Buffing gear)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.8.3	Rolling rubber buffers (Buffing gear)	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.9	Gangways	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.10	Drumswitch	V	-	V	V	-	-	-	-	V	V	V	V	-
E.K.17.11	Inter-vehicle dampers	V	-	V	V	-	-	-	-	V	V	V	V	-

## Numerical code listings

### F.B ENERGY - ONBOARD CURRENT COLLECTORS

CODE	DESCRIPTION	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
F.B	Energy - Onboard Current Collectors	-	-	-	-	-	-	-	-	-	-	-	-	-
F.B.1 L2	Roof pantograph	-	-	-	-	-	-	-	-	-	-	-	-	-
F.B.1	Roof pantograph	V	-	V	V	-	-	V	V	V	V	V	V	V
F.B.2 L2	Third rail shoe	-	-	-	-	-	-	-	-	-	-	-	-	-
F.B.2	Third rail shoe	V	-	V	V	-	-	V	V	V	V	V	V	V

## Numerical code listings

### F.C ENERGY - TRACKSIDE

CODE	DESCRIPTION	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
F.C	Energy - Trackside	-	-	-	-	-	-	-	-	-	-	-	-	-
F.C.1	OHLE Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
F.C.1.1	Main Steelwork	V	-	V	A	-	-	A	A	A	A	A	A	A
F.C.1.2	Small Part Steelwork	V	-	V	A	-	-	A	A	A	-	A	A	A
F.C.1.3	Foundations	V	-	V	A	-	-	-	A	A	-	A	A	-
F.C.1.4	Support System	V	-	V	A	-	-	A	A	A	A	A	A	A
F.C.1.5	Wiring	V	-	V	A	-	-	A	A	A	-	A	A	A
F.C.1.6	Earthing & Bonding	V	-	V	A	-	-	A	A	A	-	A	A	A
F.C.1.7	Switching	V	-	V	A	-	-	A	A	A	A	A	A	A
F.C.1.8	Materials & Parts (Switchgear)	V	-	V	-	-	-	-	-	-	-	-	-	-
F.C.1.9	Materials & Parts (Catenaries Wire)	V	-	V	-	-	-	-	-	-	-	-	-	-
F.C.1.10	Materials & Parts (Insulators)	V	-	V	-	-	-	-	-	-	-	-	-	-
F.C.2	DC Conductor Rail Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
F.C.2.1	ETE Conductor Rail & Associated Cabling	V	-	V	A	-	-	A	A	A	A	A	A	A
F.C.2.2	Depot Conductor Systems	V	-	V	A	-	-	A	A	A	A	A	A	A
F.C.2.3	ETE Negative Bonding	V	-	V	A	-	-	A	A	A	-	A	A	A
F.C.3	HV-AC Distribution Systems (Traction)	-	-	-	-	-	-	-	-	-	-	-	-	-
F.C.3.1	Substations/Switching Stations	V	-	V	A	-	-	A	A	A	A	A	A	A
F.C.3.2	HV Cabling	V	-	V	A	-	-	A	A	A	-	A	A	A
F.C.3.3	Trackside Equipment	V	-	V	A	-	-	A	A	A	A	A	A	A
F.C.4	DC Distribution Systems (Traction)	-	-	-	-	-	-	-	-	-	-	-	-	-
F.C.4.1	Substations/Switching Stations/Track Paralleling Huts	V	-	V	A	-	-	A	A	A	A	A	A	A
F.C.4.2	DC Cabling	V	-	V	A	-	-	A	A	A	-	A	A	A
F.C.4.3	Trackside Equipment	V	-	V	A	-	-	A	A	A	A	A	A	A
F.C.5	Materials and Parts	-	-	-	-	-	-	-	-	-	-	-	-	-
F.C.5.1	Materials & Parts (Cable)	V	-	V	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### F.C ENERGY - TRACKSIDE

CODE	DESCRIPTION	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
F.C.5.2	Materials & Parts (Transformer Rectifiers)	V	-	V	-	-	-	-	-	-	-	-	-	-
F.C.5.3	Materials & Parts (Ancillary Electrification Related)	V	-	V	-	-	-	-	-	-	-	-	-	-
F.C.6	Electrification Design and Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-
F.C.6.1	Electrification Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
F.C.6.2	Development & Review Electrification Standards	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### G.B OPERATIONAL PLANNING

CODE	DESCRIPTION	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
G.B	Operational Planning	-	-	-	-	-	-	-	-	-	-	-	-	-
G.B.1 L2	Assessment of Infrastructure Options	-	-	-	-	-	-	-	-	-	-	-	-	-
G.B.1	Assessment of Infrastructure Options	-	V	-	-	-	-	-	-	-	-	-	-	-
G.B.2 L2	Capacity Modelling	-	-	-	-	-	-	-	-	-	-	-	-	-
G.B.2	Capacity Modelling	-	V	-	-	-	-	-	-	-	-	-	-	-
G.B.3 L2	Network Optioneering	-	-	-	-	-	-	-	-	-	-	-	-	-
G.B.3	Network Optioneering	-	V	-	-	-	-	-	-	-	-	-	-	-
G.B.4 L2	Peak Load Management	-	-	-	-	-	-	-	-	-	-	-	-	-
G.B.4	Peak Load Management	-	V	-	-	-	-	-	-	-	-	-	-	-
G.B.5 L2	Rail Economics	-	-	-	-	-	-	-	-	-	-	-	-	-
G.B.5	Rail Economics	-	V	-	-	-	-	-	-	-	-	-	-	-
G.B.6 L2	Strategic Business Studies	-	-	-	-	-	-	-	-	-	-	-	-	-
G.B.6	Strategic Business Studies	-	V	-	-	-	-	-	-	-	-	-	-	-
G.B.7 L2	Timetable Optioneering	-	-	-	-	-	-	-	-	-	-	-	-	-
G.B.7	Timetable Optioneering	-	V	-	-	-	-	-	-	-	-	-	-	-
G.B.8 L2	Timetable Simulation	-	-	-	-	-	-	-	-	-	-	-	-	-
G.B.8	Timetable Simulation	-	V	-	-	-	-	-	-	-	-	-	-	-
G.B.9 L2	Train Performance Simulation	-	-	-	-	-	-	-	-	-	-	-	-	-
G.B.9	Train Performance Simulation	-	V	-	-	-	-	-	-	-	-	-	-	-
G.B.10 L2	Operational Planning	-	-	-	-	-	-	-	-	-	-	-	-	-
G.B.10	Operational Planning	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### G.C OPERATIONAL ICT

CODE	DESCRIPTION	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
G.C	Operational ICT	-	-	-	-	-	-	-	-	-	-	-	-	-
G.C.1 L2	Machine Validated/Smart Rail Tickets	-	-	-	-	-	-	-	-	-	-	-	-	-
G.C.1	Machine Validated/Smart Rail Tickets	V	V	V	-	-	-	-	-	-	-	-	-	-
G.C.2 L2	Ticket Issuing Machines	-	-	-	-	-	-	-	-	-	-	-	-	-
G.C.2	Ticket Issuing Machines	V	V	V	-	-	-	-	V	V	V	V	V	-
G.C.3 L2	Automatic Passenger Counters	-	-	-	-	-	-	-	-	-	-	-	-	-
G.C.3	Automatic Passenger Counters	V	V	V	-	-	-	-	V	V	V	V	V	-

### G.D RAIL REPLACEMENT TRANSPORT

CODE	DESCRIPTION	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
G.D L1	Rail Replacement Transport	-	-	-	-	-	-	-	-	-	-	-	-	-
G.D L2	Rail Replacement Transport	-	-	-	-	-	-	-	-	-	-	-	-	-
G.D	Rail Replacement Transport	-	V	-	-	-	-	-	-	-	-	-	-	-

### G.E BREAKDOWN AND RECOVERY SERVICES (RAIL)

CODE	DESCRIPTION	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
G.E L1	Breakdown and recovery services (Rail)	-	-	-	-	-	-	-	-	-	-	-	-	-
G.E L2	Breakdown and recovery services (Rail)	-	-	-	-	-	-	-	-	-	-	-	-	-
G.E	Breakdown and recovery services (Rail)	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### G.F SUBCONTRACT TRAIN CREW

CODE	DESCRIPTION	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
G.F L1	Subcontract Train Crew	-	-	-	-	-	-	-	-	-	-	-	-	-
G.F L2	Subcontract Train Crew	-	-	-	-	-	-	-	-	-	-	-	-	-
G.F	Subcontract Train Crew	-	V	-	-	-	-	-	-	-	-	-	-	-

### G.G RAILWAY OPERATIONS TRAINING

CODE	DESCRIPTION	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
G.G	Railway Operations Training	-	-	-	-	-	-	-	-	-	-	-	-	-
G.G.1 L2	Railway Operations Training	-	-	-	-	-	-	-	-	-	-	-	-	-
G.G.1	Railway Operations Training	-	V	-	-	-	-	-	-	-	-	-	-	-
G.G.2 L2	Stations Operations Training	-	-	-	-	-	-	-	-	-	-	-	-	-
G.G.2	Stations Operations Training	-	V	-	-	-	-	-	-	-	-	-	-	-
G.G.3 L2	Training Simulators	-	-	-	-	-	-	-	-	-	-	-	-	-
G.G.3	Training Simulators	V	V	V	V	-	-	-	-	V	-	-	-	-

## Numerical code listings

### H.B ROAD FLEET

CODE	DESCRIPTION	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.B	Road Fleet	-	-	-	-	-	-	-	-	-	-	-	-	-
H.B.1 L2	Vehicle Leasing	-	-	-	-	-	-	-	-	-	-	-	-	-
H.B.1	Vehicle Leasing	-	V	-	-	-	-	-	-	-	-	-	-	-
H.B.2 L2	Vehicle Rental	-	-	-	-	-	-	-	-	-	-	-	-	-
H.B.2	Vehicle Rental	-	V	-	-	-	-	-	-	-	-	-	-	-
H.B.3 L2	Fuel Management	-	-	-	-	-	-	-	-	-	-	-	-	-
H.B.3	Fuel Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.B.4 L2	Fleet Management Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.B.4	Fleet Management Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.B.5 L2	Materials & Parts for road fleet	-	-	-	-	-	-	-	-	-	-	-	-	-
H.B.5	Materials & Parts for road fleet	V	-	V	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.C PUBLIC UTILITIES

CODE	DESCRIPTION	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.C	Public Utilities	-	-	-	-	-	-	-	-	-	-	-	-	-
H.C.1 L2	Electricity	-	-	-	-	-	-	-	-	-	-	-	-	-
H.C.1	Electricity	-	V	-	-	-	-	-	-	-	-	-	-	-
H.C.2 L2	Water	-	-	-	-	-	-	-	-	-	-	-	-	-
H.C.2	Water	-	V	-	-	-	-	-	-	-	-	-	-	-
H.C.3 L2	Mains Gas	-	-	-	-	-	-	-	-	-	-	-	-	-
H.C.3	Mains Gas	-	V	-	-	-	-	-	-	-	-	-	-	-
H.C.4 L2	Oil, Gas (Delivered), Coal & Coke	-	-	-	-	-	-	-	-	-	-	-	-	-
H.C.4	Oil, Gas (Delivered), Coal & Coke	-	V	-	-	-	-	-	-	-	-	-	-	-
H.C.5	Energy & Utility Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.C.5.1	Metering Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.C.5.2	Utilities Cost Management & Reduction	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.D TRAVEL & ACCOMMODATION

CODE	DESCRIPTION	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.D	Travel & Accommodation	-	-	-	-	-	-	-	-	-	-	-	-	-
H.D.1 L2	Travel Booking Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.D.1	Travel Booking Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.D.2 L2	Conferences & Seminars	-	-	-	-	-	-	-	-	-	-	-	-	-
H.D.2	Conferences & Seminars	-	V	-	-	-	-	-	-	-	-	-	-	-
H.D.3 L2	Chauffers & Taxis	-	-	-	-	-	-	-	-	-	-	-	-	-
H.D.3	Chauffers & Taxis	-	V	-	-	-	-	-	-	-	-	-	-	-

# Numerical code listings

## H.E IT

CODE	DESCRIPTION	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.E	IT	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.1 L2	Application Development	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.1	Application Development	-	-	-	V	-	-	V	V	V	-	V	V	V
H.E.2 L2	System Integration	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.2	System Integration	-	-	-	V	-	-	V	V	V	-	V	V	V
H.E.3	IT Infrastructure Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.3.1	IT Infrastructure Services - Enterprise Operations	-	-	-	V	-	-	V	V	V	-	V	V	V
H.E.3.2	IT Airline-Oriented Distribution	-	-	-	V	-	-	V	V	V	-	V	V	V
H.E.3.3	IT Infrastructure Services - Service Desk	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.3.4	IT Infrastructure Services - Call Centre	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.3.5	IT Infrastructure Services - Network Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.3.6	IT Infrastructure Services - Application Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.3.7	IT Infrastructure Services - Security/Audit	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.4	IT Consultancy Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.4.1	Development & Review of IT Standards	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.4.2	IT Consultancy and Design	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.5	Telecomms Consultancy and Design	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.5.1	Development & Review of Telecomms Standards	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.5.2	Telecomms Technical Evaluation	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.5.3	Telecomms Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.6	IT Training	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.6.1	Desktop User Software Training	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.6.2	Software Development Training	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.6.3	Other IT Business Systems Training	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.E IT

CODE	DESCRIPTION	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.E.7	IT Hardware	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.7.1	Server Environment	V	-	V	-	-	-	-	V	-	-	-	-	-
H.E.7.2	Desktop Environment	V	-	V	-	-	-	-	V	-	-	-	-	-
H.E.7.3	Audio Visual Equipment	V	-	V	-	-	-	-	-	-	-	-	-	-
H.E.7.4	Passenger Wifi Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.8	IT Software	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.8.1	Off The Shelf Software	V	-	V	-	-	-	-	-	-	-	-	-	-
H.E.8.2	Bespoke Software	V	-	V	-	-	-	-	-	-	-	-	-	-
H.E.9 L2	IT Consumables	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.9	IT Consumables	V	-	V	-	-	-	-	-	-	-	-	-	-
H.E.10 L2	Asset Tracking System	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.10	Asset Tracking System	-	V	-	-	-	-	-	-	-	-	-	-	-
H.E.11	Supervisory Control And Data Acquisition	-	-	-	-	-	-	-	-	-	-	-	-	-
H.E.11.1	Traction SCADA	V	-	V	A	-	-	A	A	A	A	A	A	A
H.E.11.2	Non-Traction SCADA	V	-	V	A	-	-	A	A	A	A	A	A	A

## Numerical code listings

### H.F POSTAL AND TELECOMMUNICATIONS SERVICES

CODE	DESCRIPTION	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.F	Postal and Telecommunications Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.F.1	Business Voice/Data Communications	-	-	-	-	-	-	-	-	-	-	-	-	-
H.F.1.1	Fixed Voice Communication	-	V	-	-	-	-	-	-	-	-	-	-	-
H.F.1.2	Mobile Voice Communication	-	V	-	-	-	-	-	-	-	-	-	-	-
H.F.1.3	Broadband Data Communication	-	V	-	-	-	-	-	-	-	-	-	-	-
H.F.1.4	Mobile Data Communication	-	V	-	-	-	-	-	-	-	-	-	-	-
H.F.2	Distribution Services (Including Mail Courier)	-	-	-	-	-	-	-	-	-	-	-	-	-
H.F.2.1	Courier services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.F.2.2	Mail Services	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

# H.G SEWAGE, REFUSE, CLEANING AND ENVIRONMENTAL SERVICES

CODE	DESCRIPTION	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.G	Sewage, Refuse, Cleaning and Environmental services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.G.1	Environmental Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.G.1.1	General Environmental Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.1.2	Biodiversity & Ecological Studies	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.1.3	Environmental Site Investigation/Feasibility Studies	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.1.4	Environmental Impact Assessment/TWA/ Public Consultation	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.1.5	Sustainability Appraisals/BREAM	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.1.6	Waste Management Studies/License Applications	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.1.7	Noise & Vibration Studies	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.1.8	Water Quality & Pollution Studies	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.1.9	Climate Change & Air Quality Studies	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.1.10	Environmental Management Systems & Auditing	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.1.11	Pollution Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.2	Cleaning & Sanitisation Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.G.2.1	Contract Cleaning Services (Office, Station & Depot)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.2.2	Specialist Cleaning (Restricted Access)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.2.3	Laundry & Processing Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.2.4	Graffiti Removal	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.2.5	Janitorial Supplies	V	-	V	-	-	-	-	-	-	-	-	-	-
H.G.2.6	Animal Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.2.7	Pest Control	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.3	Refuse & Waste Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.G.3.1	Sewage Services	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.G SEWAGE, REFUSE, CLEANING AND ENVIRONMENTAL SERVICES

CODE	DESCRIPTION	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.G.3.2	Waste Disposal - Hazardous/Toxic	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.3.3	Waste Disposal - Non Hazardous & Non Toxic	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.3.4	Skips	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.3.5	Recycling	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.3.6	Drainage Clearance	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.3.7	Fly Tipping Removal	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.3.8	Scrap Clearance	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.3.9	Weed Killing	-	V	-	-	-	-	-	-	-	-	-	-	-
H.G.3.10	Litter Clearance	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.H HEALTH & SAFETY SERVICES & SUPPLIES

CODE	DESCRIPTION	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.H	Health & Safety Services & Supplies	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.1 L2	Occupational Health Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.1	Occupational Health Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.2 L2	Occupational Safety Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.2	Occupational Safety Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.3 L2	Psychological Advice	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.3	Psychological Advice	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.4 L2	Medical Screening & Surveillance (Sentinel)	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.4	Medical Screening & Surveillance (Sentinel)	-	A	-	-	-	-	-	-	-	-	-	-	-
H.H.5	Alcohol & Drugs Testing (Sentinel)	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.5.1	Alcohol & Drugs Testing (Sentinel)	-	A	-	-	-	-	-	-	-	-	-	-	-
H.H.5.2	For Cause Drugs and Alcohol Testing	-	A	-	-	-	-	-	-	-	-	-	-	-
H.H.6 L2	Company Doctor Service	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.6	Company Doctor Service	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.7 L2	Workplace Noise/Vibration Monitoring & Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.7	Workplace Noise/Vibration Monitoring & Assessment	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.8 L2	Workplace Environment Monitoring & Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.8	Workplace Environment Monitoring & Assessment	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.9 L2	Construction Safety Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.9	Construction Safety Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.10 L2	Development & Review of Safety Standards	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.10	Development & Review of Safety Standards	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.H HEALTH & SAFETY SERVICES & SUPPLIES

CODE	DESCRIPTION	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.H.11 L2	Authorisation/Certification	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.11	Authorisation/Certification	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.12 L2	Safety Audit	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.12	Safety Audit	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.13 L2	Fire Protection Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.13	Fire Protection Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.14 L2	Competence Management	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.14	Competence Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.15 L2	First Aid	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.15	First Aid	-	V	-	-	-	-	-	-	-	-	-	-	-
H.H.16 L2	Medical & First Aid Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.16	Medical & First Aid Equipment	V	-	V	-	-	-	-	-	-	-	-	-	-
H.H.17 L2	PPE (Including Footwear)	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.17	PPE (Including Footwear)	V	-	V	-	-	-	-	-	-	-	-	-	-
H.H.18 L2	Provision of Safety Critical Assessments (Non Sentinel)	-	-	-	-	-	-	-	-	-	-	-	-	-
H.H.18	Provision of Safety Critical Assessments (Non Sentinel)	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.J SECURITY & FIRE-FIGHTING

CODE	DESCRIPTION	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.J	Security & Fire-fighting	-	-	-	-	-	-	-	-	-	-	-	-	-
H.J.1 L2	Security Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.J.1	Security Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.J.2 L2	Security Equipment (Alarms etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-
H.J.2	Security Equipment (Alarms etc.)	V	-	V	-	-	-	-	-	-	-	-	-	-
H.J.3 L2	Fire Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.J.3	Fire Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.J.4 L2	Fire Safety Accessories & Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
H.J.4	Fire Safety Accessories & Equipment	V	-	V	-	-	-	-	-	-	-	-	-	-
H.J.6 L2	Fire Safety, Detection & Alarm Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
H.J.6	Fire Safety, Detection & Alarm Systems	V	-	V	-	-	-	-	-	-	-	-	-	-
H.J.7 L2	Railway Policing Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.J.7	Railway Policing Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.J.8 L2	Asset Protection (Anti theft)	-	-	-	-	-	-	-	-	-	-	-	-	-
H.J.8	Asset Protection (Anti theft)	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.K GENERIC CONSULTANCY/FUNCTIONAL SUPPORT

CODE	DESCRIPTION	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.K	Generic Consultancy/Functional Support	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.1 L2	Translation Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.1	Translation Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.2 L2	Management Consultancy	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.2	Management Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.3	Commercial Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.3.1	Estimating	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.3.2	Pre Contract Commercial Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.3.3	Post Contract Commercial Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.3.4	Civils & Track Estimating	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.3.5	Estate/Buildings Estimating	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.3.6	Claims	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.3.7	Supplier Qualification	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4	Financial & Insurance Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.4.1	Loss Adjustment Claims	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4.2	Insurance Cover	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4.3	Insurance Brokerage	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4.4	Insurance Brokers Fees	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4.5	Debt Recovery	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4.6	Auditing & Book Keeping	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4.7	Business Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4.8	Cash in Transit	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4.9	Banking/Investment	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4.10	Credit References	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4.11	Factors	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.4.12	Stocktaking/Asset Verification & Management	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.K GENERIC CONSULTANCY/FUNCTIONAL SUPPORT

CODE	DESCRIPTION	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.K.4.13	Financial Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5	HR Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.5.1	Relocation	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.2	Outplacement	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.3	Employee Benefit Schemes	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.4	Long Service Awards	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.5	Private Medical Insurance	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.6	Employee Assistance	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.7	Payroll Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.8	Safeguarded Travel	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.9	Pensions	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.10	Medicals & Drug Testing	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11	Recruitment Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.1	Secretarial (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.2	Finance (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.3	Information Management (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.4	Technical (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.5	Commercial (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.6	Project Management (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.7	Safety (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.8	Commercial Property (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.9	Maintenance Staff (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.10	Executive Search & Selection (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.11	HR (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.K GENERIC CONSULTANCY/FUNCTIONAL SUPPORT

CODE	DESCRIPTION	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.K.5.11.12	Government & Corporate Affairs (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.13	Legal (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.14	Hotel & Leisure Services (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.15	Planning & Estimating (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.16	Risk & Value (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.17	Six Sigma (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.18	Design & Architect Services (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.19	Strategic Change & Analysis (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.5.11.20	General (Recruitment Services)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.6 L2	Legal Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.6	Legal Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7	Advertising & Marketing Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.7.1	Advertising	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.2	Corporate Identity (Logos, Branding & Graphics)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.3	Event Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.4	Photography	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.5	Promotional Materials Including Sales Promos	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.6	Publishing	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.7	Films/Videos	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.8	Public Affairs	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.9	Modelling	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.10	Screen & Vinyl Printing	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.K GENERIC CONSULTANCY/FUNCTIONAL SUPPORT

CODE	DESCRIPTION	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.K.7.11	Signage	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.12	Direct Marketing Database Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.13	Research & Monitoring	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.14	Exhibitions	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.15	Sponsorship	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.16	E-Media Design	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.17	Copywriting Print	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.18	Media Call Centre	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.7.19	Print Management Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.8	Project Management	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.8.1	Clerk of Works	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.8.2	Programme Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.8.3	Project Planning	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.9	Quality Management	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.9.1	Quality Audit	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.9.2	Quality Management Systems	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.9.3	Quality Certification	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.9.4	Development & Review of Fixed Infrastructure Plant Standards	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.10	Research & Development	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.10.1	Acoustics	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.10.2	Scientific & Laboratory Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.10.3	Product Reliability	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.10.4	Pedestrian Simulation	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.10.5	Ergonomics & Human Factors	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.10.6	Engineering R&D	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.10.7	Weather Monitoring	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.K GENERIC CONSULTANCY/FUNCTIONAL SUPPORT

CODE	DESCRIPTION	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.K.11	Risk Management	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.11.1	Business/Strategic Risk	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.11.2	Project Risk	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.11.3	Safety Risk	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.11.4	Fire Risk	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.12	Education & Training Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.12.1	Training (Business & Management)	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.12.1.1	Management & Leadership Skills (Training - Business & Management)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.12.1.2	Project Management Training	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.12.1.3	Business Skills	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.12.1.4	Education Programmes (Training - Business & Management)	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.12.2	Health, Safety & Environment Training	-	V	-	-	-	-	-	-	-	-	-	-	-
H.K.13 L2	Value Management	-	-	-	-	-	-	-	-	-	-	-	-	-
H.K.13	Value Management	-	V	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.L FACILITIES & PROPERTY MANAGEMENT

CODE	DESCRIPTION	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.L	Facilities & Property Management	-	-	-	-	-	-	-	-	-	-	-	-	-
H.L.1	Real Estate Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.L.1.1	Auctioneer	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.1.2	Valuation Advice	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.1.3	General Property Agents	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.1.4	Service Charge Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.1.5	Archaeological Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.1.6	Town Planning	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.1.7	Land Surveying	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.1.8	Operational Property Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.1.9	Dilapidations	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.2	Building	-	-	-	-	-	-	-	-	-	-	-	-	-
H.L.2.1	Building Consultancy	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.2.2	Development & Review of Building Standards	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.3	General Building Management	-	-	-	-	-	-	-	-	-	-	-	-	-
H.L.3.1	General Building Management	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.3.2	Portable Appliance Testing	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.4 L2	Food & Catering	-	-	-	-	-	-	-	-	-	-	-	-	-
H.L.4	Food & Catering	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.5 L2	Archiving	-	-	-	-	-	-	-	-	-	-	-	-	-
H.L.5	Archiving	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.6 L2	Reprographics & Printing	-	-	-	-	-	-	-	-	-	-	-	-	-
H.L.6	Reprographics & Printing	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.7 L2	Garden Services/Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
H.L.7	Garden Services/Plants	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.8 L2	Customer Services	-	-	-	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

### H.L FACILITIES & PROPERTY MANAGEMENT

CODE	DESCRIPTION	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.L.8	Customer Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.9 L2	Photo Booths	-	-	-	-	-	-	-	-	-	-	-	-	-
H.L.9	Photo Booths	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.10 L2	Car Parking Services	-	-	-	-	-	-	-	-	-	-	-	-	-
H.L.10	Car Parking Services	-	V	-	-	-	-	-	-	-	-	-	-	-
H.L.11 L2	ATM / Coin Machines / Money Kiosk	-	-	-	-	-	-	-	-	-	-	-	-	-
H.L.11	ATM / Coin Machines / Money Kiosk	V	-	V	-	-	-	-	-	-	-	-	-	-

## Numerical code listings

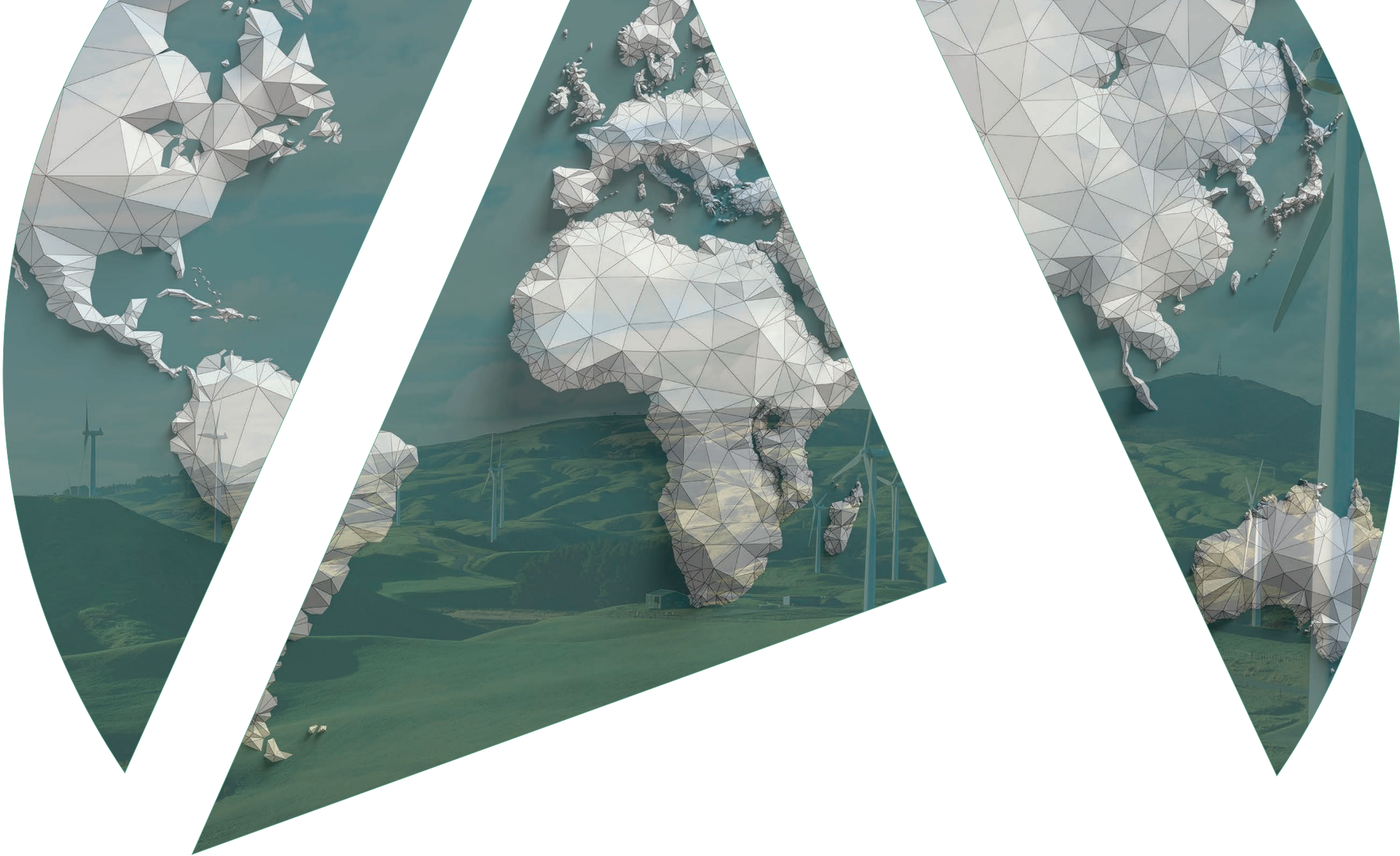
### H.M STAFF, EQUIPMENT & FACILITIES/PROPERTY SUPPLIES

CODE	DESCRIPTION	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 L2	Stationery, Books & Magazines	-	-	-	-	-	-	-	-	-	-	-	-	-
H.M.2	Stationery, Books & Magazines	V	-	V	-	-	-	-	-	-	-	-	-	-
H.M.3 L2	Kitchen & Domestic Equipment (Including White Goods)	-	-	-	-	-	-	-	-	-	-	-	-	-
H.M.3	Kitchen & Domestic Equipment (Including White Goods)	V	-	V	-	-	-	-	-	-	-	-	-	-
H.M.4 L2	Uniform Clothing	-	-	-	-	-	-	-	-	-	-	-	-	-
H.M.4	Uniform Clothing	V	-	V	-	-	-	-	-	-	-	-	-	-
H.M.5 L2	Electrical Equipment (Including TV, DVD/ VCR, Shredders)	-	-	-	-	-	-	-	-	-	-	-	-	-
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 L2	Hardware (Including Signs, Locks & Lamps)	-	-	-	-	-	-	-	-	-	-	-	-	-
H.M.7	Hardware (Including Signs, Locks & Lamps)	V	-	V	-	-	-	-	-	-	-	-	-	-

# Version history

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Version	Date	Change
1.1	01/11/2024	Brand update



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