

Examples of items that require approval

The following list provides examples of the categories products and types of items that typically require Product Approval, please note that this list is not exhaustive and advice may be required to determine whether your product requires approval.

Signalling Applications

- Signals (mechanical, filament and LED colour light).
- Control Systems (lever frame, panel, VDU, ground frames/ panels)
- Interlockings (mechanical, relay, electronic, disconnection boxes)
- Apparatus Housing (location cases, equipment buildings).
- Train Detection (track circuit, axle counters, treadles)
- Point End (mechanical, clamp lock, machine, HPSS)
- Train Protection (AWS, TPWS, ATP)
- Train Describers (mechanical, electronic)
- Signalling Power Supplies (transformers, UPS, battery, power cables)
- Infrastructure Specific Relays/ Boxes (large plug in, BR930, sub-miniature cradle, shelf type, DCPI)
- Event Logging and Condition Monitoring Systems.
- Line side Signage to Support Signalling (operational and non-operational signage).

Level Crossing Applications

- Control Systems (manually controlled, automatically controlled, passive/ user worked)
- Barriers (manually controlled barriers, automatic barriers)
- Signalling and Communication (road traffic lights, pedestrian warning lights, audible warnings, crossing CCTV cameras, telephones, panel indicators, panel monitors)
- Track Bed (surface, deck, track, drainage, road markings, trespass guards, fencing, rail signage, crossing signage, gates and stiles, vegetation management, CCTV lifting equipment, lighting, electrical supplies)
- Buildings and Civils (lighting and columns, CCTV columns)
- Highway Authority (road signage)

Electrification & Power Applications

- HV Switchgear AC (oil filled, vacuum, SMOS, air, vacuum GIS).
- HV Cables (solid/ XLPE, oil filled/ paper).
- Contact Systems (OLE and components, CRE and components)
- HV Transformers (standard, auto, booster)
- DC Electrification (oil filled, vacuum, vacuum GIS, transformers/ rectifiers, LV cables)
- Electrical points and Conductor Rail Heating (systems and components, cabling)
- Tools and equipment (live line, non live line)
- Power Supplies (systems, cables, switchgear and transformers, power generation).
- Miscellaneous (electrical equipment enclosures, monitoring and control).

Telecommunications Applications

- Transmission System (transport layers optical and copper, LAN/WAN node/ data network)
- Network Management (hardware, software)
- Trunk Cabling (copper, fibre, immunisation, cable routes)
- Operational Voice Comms (concentrators, public emergency telephone systems, voice recorders, operator MMI, CSR/RETB/NRN/ORN, radio spot scheme, BSS, NSS, cab mobile, GSM-R handheld, FTS, tunnel and lineside telephone systems)
- Sub-surface Station Management Control (customer information system, public address, surveillance CCTV)
- Train Dispatch (DOO CCTV, DOO mirror)
- Power Supply (power supply chargers, earthing, UPS, rectifier, inverter, battery)

Plant Applications

- On Track Plant OTP (MEWPS, RRV, rail lifters, sleeper layers, mobile flashbutt welders, rail clippers, powered trolleys, access platforms, excavation machines, track access systems, grinders, cranes, rollers, dozers, multipurpose vehicles)
- On Track Machines OTM (tamperers, rail cutting machines, ballast cleaners, tilting wagons, multipurpose vehicles)
- Manually Propelled Powered Equipment (rail clippers/ clip removers, track jacks, rail grinders, rail stressing equipment, rail straighteners/ benders, welding machines, rail head cleaners, sleeper replacers, rail thimbles)
- Manually Propelled non Powered Equipment (hand trolleys, rail skates)
- Non Rail Mounted Plant or Machinery (chippers, dozers, cranes, scaffold, mowers, lifting beams)
- Tools and Equipment (rail saws, track measuring devices TMD's, detection systems. Cable locators, total stations, rail stressing equipment, testing and diagnostic equipment, data loggers and condition monitoring equipment, generators, train/ track warning systems, grinders, communication systems)
- Non Powered Tools and Equipment (lifting accessories, tension meters, insulated hand tools)

Track Applications

- Plain Line (rail, sleepers, ballast, formation)
- Drainage (drainage, formation)
- Monitoring Systems (temperature, inspection)
- Tools (gauges)
- Welding (track welding processes, welding peripherals)
- Miscellaneous (lubricants, grease distribution units)

S&C (Switches & Crossings) Applications

- S&C (rail, bearers, crossings, half sets sleepers, ballast, formation)
- Drainage (drainage, formation)
- Monitoring Systems (temperature, inspection)
- Tools (gauges)
- Welding (track welding processes, welding peripherals)
- Miscellaneous (lubricants, grease distribution units)