

# BI-02A.01 Fit for purpose equipment selection processes - General

*(Accountable - Engineering Manager (Site) (Unassigned))*

## Expectations

Equipment selected for site use is fit for purpose and delivers safe and productive outcomes.

## Specify

Sites have an equipment selection process that uses asset specifications when:

- Purchasing new or used equipment
- Transferring equipment to site
- Hiring equipment
- Assessing contractor equipment

## Implement

Suppliers confirm the equipment meets specifications, for relevant company and industry standards. Site specifications to prevent or mitigate equipment fires include:

- Enclosed braking systems
- Fire resistant V-belts
- Tyres selected to suit their intended application
- Operator cabs that inhibit fire and provide a sheltered location (based on engineering study applying an Escape, Shelter and Emergency Recovery Analysis (ESERA) approach)
- At least two exits from the operator's cab

- Fireproof engine compartment covers
- Minimal use of non- metallic materials that burn and produce toxic smoke
- Heat shields and insulation for hot components and elements creating extreme heat
- Insulation and protection of electrical components and wiring
- Portable powder fire extinguishers
- Automatic on-board fire suppression systems that can be manually activated
- Steel lines for lubrication and hydraulic systems
- Remote operation capability in the event of an actual or potential equipment fire

## Monitor

All equipment in use is approved and documented. The details of equipment being used are listed in asset registers.

OEM provided asset documentation is added to Plant Safety File. Maintenance planners review *introduction to site records* and add work orders for the maintenance of key systems.