

BI-02D.01 Fit-for-purpose equipment selection and site use approval processes

Expectations

Equipment selected for site use is fit-for-purpose and delivers safe and productive outcomes - meeting all site requirements for worker ergonomics, control integrity, matched technology (to site), equipment performance and operating environment constraints.

Specify

Sites have an equipment selection process that involves maintainers and operational personnel in a team review (Risk Assessment format) and uses asset specifications when:

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

Equipment specifications ensure that mobile equipment assets meet site production and operating environment demands (including provision of systems for monitoring location (including geofencing), communicating and visibility/sight lines). The specifications also cover the use of ancillary equipment such as forklifts, scissor lifts, elevating work platforms etc. and considers suitability for the operating environment (stability, use of quick detach systems, character of the material being transported, temperature ranges, etc.)

Information on equipment use limitations from the OEM should be provided to the operators/maintainers with training modules that also check for understanding.

Implement

Senior managers including representative of operations and maintenance approve equipment selection recommendations.

A rigorous introduction to site process checks that received mobile equipment meets site requirements before it is permitted to operate. This includes ensuring that site requirements are met for:

- Brakes
- Steering
- Running gear e.g. tyres
- Control and warning/alarm systems meet requirements (including technology solutions)
- Remote control technologies have associated fail safes to prevent unintended operation
- Radios/communication systems match site requirements
- Warning devices are in place to detect fatigue, use of mobile phones/personal electronic devices and other site required systems
- Head lights
- Running lights
- Indicators
- Vehicle identification numbers that are clear and visible
- Other components meet site requirements for surface cleanliness/coatings/FRAS, strength and matching with site engineering/maintenance capabilities

Monitor

Maintenance strategies confirm the status of all mobile equipment and associated infrastructure systems.

Safety related components/checks are addressed with additional rigour (e.g. proof test requirements) and are reported on to be visible to senior personnel.