BI-02.09 Regular checking and maintenance of alarms and monitors

Expectations

There are minimal alarm and monitor failures on operating mobile equipment.

Specify

Requirements:

1. Operators confirm the operation of alarms during pre-use checks (normally through lights and sounds on start-up)
2. Maintenance strategies related to alarms and monitors are in place for all vehicles on site in line with OEM requirements and site experience
3. Defect responses for absence or failure of alarms are included in operator training and lead to maintenance planners raising work orders to provide an appropriate response

Implement

1. Pre-starts are completed i line with site requirements
2. Work orders for equipment on site are completed in a timely manner - and alarms and monitors in cabins are given a higher priority - with potentially more frequent proof testing and replacement
3. Any identified defects in monitoring and alarms systems trigger a response (vehicle stand-down, urgent repair, next service repair, etc. - depending on the severity of outcomes that will arise with the absence of effective alarms)

Monitor

1. Pre-start checks are confirmed by supervisors and passed on maintenance planners
2. Maintenance planners raise (in line with strategies and reported defects) and close out work orders when confirmed as completed and prepare regular status reports on work order status for equipment on site

Credible Failure Modes Addressed

- CFM-DT-01 Liquid fuel loss of containment - not detected
- CFM-DT-04 Excessive heat is produced during mobile equipment operation - not detected
- CFM-DT-10 Detection and/or suppression system compromised - no signal on fire or potential fire situation
- CFM-LR-01 Liquid fuel loss of containment - not able to shut down or actuate fire suppression
- CFM-LR-04 Excessive heat is produced during mobile equipment operation leads to smoulder or burn - not able to extinguish
- CFM-MN-04 Inadequate Maintenance results in excessive heat during subsequent mobile equipment operations