

## **CFM-DE-31 New generation of mobile equipment - fire potential and pathways not recognized**

The fire risks from new technology are not well understood or inadequately assessed, for example:

- electric or part electric vehicles using downhill regeneration
- next generation diesel engines (Tier 4 - T4F)
- new technology for vehicle control and its integration with shutdown and suppression systems
- remotely operated equipment etc.

This Credible Failure mode is addressed by:

- 🛡️ BI-01.52 Skilled and experienced personnel are accountable for selection of mobile equipment
- 🛡️ BI-01.53 Skilled and experienced personnel are accountable for maintaining fire detection and suppression systems on mobile equipment
- 🛡️ BI-02.01 Introduction of equipment to site process
- 🛡️ BI-02.50 Plant Safety Files - requirement to register and track plant components and certificates
- 🛡️ BI-02A.01 Fit for purpose equipment selection processes - General
- 🛡️ BI-02A.30 OEM Designs provide for installation of fire detection and suppression systems
- 🛡️ BI-02A.46 Fire suppression specification for mobile equipment
- 🛡️ BI-02A.53 Operator display specifications are detailed for mobile equipment
- 🛡️ BI-02A.60 Specification for an OEM Fire protection evaluation for mobile equipment
- 🛡️ BI-02A.61 Standards register relevant for mobile equipment