

**GUIDELINES ON REQUIREMENTS FOR SAFETY DEVICES ON MOBILE ELEVATING WORK PLATFORMS (MEWPS)
TO BECOME EFFECTIVE AFTER THE PUBLICATION OF AS1418-10 (2010)
VERSION AS OF 27 MAY 2010**

Purpose

The purpose of this document is to set out the interim requirements for safety devices on new Mobile Elevating Work Platforms (MEWPs) used in Australia.

This document is set out as follows:

- Part A – Requirements for safety devices on MEWPs
- Part B – Implementation phases on safety devices for new MEWPs in Australia
- Part C - Alternative methods to achieve design registration

Part A – Requirements for safety devices on MEWPs

The Safety Related Parts of control systems of MEWPs must be designed in accordance with the requirements of either AS4024 or IEC60261 or ISO13849. In addition MEWPs are required, as a minimum, to be fitted with the relevant safety devices specified in AS1418.10-2010 Table 2.1 and conform to the applicable reliability levels listed.

Application

These requirements as far as they relate to the reliability of safety devices for various safety functions take precedence over the requirements specified in the primary standard used in the design.

Verification of the functional requirements for safety devices:

The functional requirements of safety devices define how the safety device must operate and does not relate to the reliability level.

The functional requirements shall meet or exceed the requirements specified in AS1418.10-2010 and shall be verified by design review and functional test. Such tests shall be documented in a test report.

Verification of the specified reliability levels for safety devices:

For the purpose of Australian design verification, compliance with the specified reliability levels for safety devices can be demonstrated in one of the following ways:

1. CE Certification and EC Type examination certificate issued by an EC Notified Body. For equipment imported into Australia, the CE Certification and EC Type examination certificate must specifically refer to EN280 and include some form of verifiable link to positively identify the imported plant as the same plant items referred to in the certifications. E.g. a letter from the Notified Body to say that they have sighted the specific models that are imported into Australia.
2. An EC declaration of conformity issued by the manufacturer and provision of the EC Homologation file and supporting documentation demonstrating compliance with the above requirements. The design verifier has to examine the manufacturer's technical documentation and ensure that there is sufficient proof that the manufacturer's declaration of conformity is adequately supported.
3. Validation according to the requirements specified in AS4024, EN954-1, ISO62061 or ISO 13849.2 as applicable. (Note: These standards only cover the safety control systems and have very little to do with other design aspects of the plant e.g. stability/strength etc.)

For the purpose of Design verification or validation the verifier must satisfy the requirements for design verifiers specified in the relevant OH&S Plant Regulations.

Design Verification to AS1418.10

For new designs or modified designs conformity can be demonstrated in one of the following ways: (See Part C)

1. CE Certification and EC Type examination certificate issued by an EC notified body, and separate verification relating to the unique requirements specified in AS1418.10 (Int) 2004. The certification issued by the EC notified body must specifically refer to EN280.
2. Design verification against AS1418.10 and validation of the requirements for safety devices according to AS4024, EN954-1, ISO62061 or ISO 13849.2 as applicable.

Part C provides illustration of alternative design verification processes.

NOTE: For the purpose of Design verification or validation the verifier must satisfy the requirements for design verifiers specified in the relevant OH&S Plant regulations.

Part B – Implementation phases on safety devices for MEWPs in Australia

These requirements apply no later than the following:

- All relevant safety devices listed in AS1418.10, other than those relating to load sensing and moment sensing, are to be fitted to all MEWPs imported into or manufactured in Australia after **1 June 2010**
- Safety devices associated with load sensing and moment sensing, are to be fitted to:
 - Uninsulated MEWPs imported into or manufactured in Australia after **1 March 2011**
 - Insulated MEWPs imported into or manufactured in Australia after **1 March 2012**.

Dates are valid based on assumption that the National Regulators' Committee for High Risk Plant confirms (in writing and on public forums) the position regarding safety system requirements in February 2010

Note: Solutions for load sensing and moment sensing can be provided in a number of ways and are specified in AS1418.10.

PART C - Alternative methods to achieve design registration

