

*This document is under review, if you have any input, please email safety@unsw.edu.au.

The purpose of the HS Design and Modification Guidelines is to ensure a process of identifying potential hazards in the design and modification phases and eliminating the risk or ensuring control measures are appropriately implemented to prevent injury or illness. This is applicable for any equipment, experiments or construction projects where the absence of such control measures will have an adverse impact on health and safety.

Qualifications, experience and skill requirements for design personnel are to meet any legislative, code of practice or national standard requirements. Design personnel should be selected based on competencies as defined under these requirements this may include external or internal roles within the University. Design personnel may include individuals or a team.

The WHS Act 2011 sets out the duties of a person conducting businesses or undertaking that design pl

Legislative or additional requirements pertaining to HS requirements must be identified in writing with the project plan,

must complete a risk management plan including assessm

Staff or students responsible for designing or modifying equipment or processes for teaching or research purposes



- Gantry cranes with a safe working load greater than 5 tonnes or bridge cranes with a safe working load of
 greater than 10 tonnes, and any gantry crane or bridge crane which is designed to handle molten metal or
 Schedule 10 hazardous chemicals
- Vehicle hoists
- Mast climbing work platforms
- Mobile cranes with a rated capacity of greater than 10 tonnes
- heritage boiler
- crane or hoist that is manually powered
- elevating work platform that is a scissor lift or vertically moving
- tow truck.
- Boilers categorised as hazard level A, B or C according to criteria in Section 2.1 of AS 4343 Pressure equipment hazard levels.
- Pressure vessels categorised as hazard level A, B or C according to the criteria in Section 2.1 of AS 4343 Pressure equipment hazard levels, except for gas cylinders; LP Gas fuel vessels for automotive use, and
 serially produced vessels.
- Tower cranes including self-erecting tower cranes.
- Lifts, including escalators and moving walkways.
- Building maintenance units.
- Amusement devices covered by Section 2.1 of AS 3533.1:2009 Amusement Rides and Devices, except for certain Class 1 structures (see below).
- Concrete placement units with delivery booms.
- Mobile cranes with a rated capacity of greater than 10 tonnes.



1.0	Director, Human resources	01/10/2010	01/10/2010	New Document
				Complete rewrite and renaming of the Plant design guideline.
2.0	Director, Human resources	29/04/2013	29/04/2013	

