



Health and Safety
Equipment Design, Modification, Repair and
Commissioning

Policy

To ensure that any equipment or apparatus, designed, built, repaired or modified for use of The University of Auckland is safe to operate in terms of the Health & Safety in Employment Act 1992.

Scope

Any equipment or apparatus, designed and built by or for The University of Auckland, or any modification or repair of equipment, or any new equipment, must comply with relevant legislative safety requirements, be approved by an appropriately qualified person and carry the necessary performance certification before being commissioned. This applies to all Divisions of the University where such equipment is used.

All devices/equipment/apparatus/machinery connecting to building utilities, eg. electrical wiring, telecommunications cabling, water, gas and waste plumbing, must do so via standard connectors. Under no circumstances are any part of such building utilities to be modified or otherwise interfered with without the express approval and knowledge of Property Services.

Applicable Legislation

- Health and Safety in Employment Act, 1992.
- Electricity Act, 1992 and Regulations.
- NZ Standard 3000:1997(Wiring Regulations).
- Machinery Act, 1950.
- Boilers, Lifts, and Cranes Act, 1950.
- Accident Insurance Act, 1998.

Procedure

Electrical devices

Electrically operated devices include teaching and research equipment, teaching research apparatus, electrical machinery and portable electrical appliances.

- The design, manufacture and assembly, modification, repair and commissioning of that operate at voltages higher than 32V AC or 115V DC, must comply the requirements of the Electricity Regulations 1993 and the Electrical Code of NZECP:3, 1998 (Electricity Act, 1992 and Regulations).
- Each device is to have firmly affixed in a readily accessible position a label indicating: Name of maker, Date Completed, Purpose of Device, Where to be Used.
- Prior to initial use the device is to be examined and tested for compliance with Regulation 66, Electricity Regulations 1993 by a suitably qualified person who shall sign and date the label on completion of satisfactory testing.

Mechanical Devices

Mechanical devices include teaching and research equipment, teaching and research and mechanical machinery. In the design, modification, repair and commissioning of devices attention must be given to moving parts; safe working loads, temperatures and pressures; specified working parameters (eg. pressure); and any other matters that would lead to unsafe operation of the devices.

Mechanical equipment such as pressure vessels etc. may require an engineering design report before obtaining the performance certification necessary to meet legislative requirements. Apparatus using mains gas must comply with standard gas industry practice and relevant legislation.

Monitoring

Annual workplace inspection and hazard review.

Approved:

Vice Chancellor