Amusement rides and devices
Area of Practice / Area of Engineering

Amusement rides and devices engineering deals with certification in line with the relevant Australian Standard of design, construction, operation, inspection, testing, service and maintenance associated with fixed and mobile amusement rides.

This includes work covered by AS3533 Amusement Rides and Devices and Passenger Ropeways or similar covered by AS 4722:2018 and within the scope of CSA Z98-14. It is for engineers whose practice includes any aspect of amusement devices and passenger ropeways.

Some of the indicative activities undertaken that may be undertaken when practising amusement devices and passenger ropeways engineering are:

- asset management
- civil works
- commissioning new equipment
- construction
- consultancy
- design
- development
- electrical and control systems
- inspection
- maintenance and repairs
- mechanical equipment
- modification
- operations
- risk assessment and mitigation strategies
- software management and integrity
- structures

These activities could take place in any of the following amusement devices and passenger ropeways engineering domains

- fixed rides and devices in amusement parks
- mobile amusement rides and devices
- ski lifts

- rope ways
- cable rails
- sky rails
- ziplines and challenge courses
- bungy jumping facilities
- artificial climbing structures
- water slides.

To find out more about amusement rides and devices visit our Engineering communities page.

How to apply

This area of practice is available to those who want to become Chartered and is available to all occupational categories. Learn more about becoming Chartered and how to apply.

If you want to add amusement rides and devices engineering as an additional area of practice, email us to enquire about the process.

Registration eligibility

Amusement rides and devices engineers may need to hold statutory registration in an Area of Engineering in accordance with relevant legislation. Check the State registration page for more information.