



DEFENCE TESTING

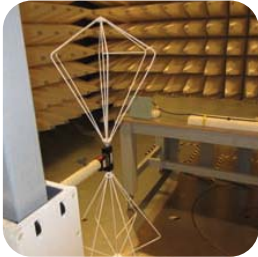


ALL YOUR TESTING AND CERTIFICATION IN ONE LOCATION

EMC Testing | Environmental Testing | Mechanical Testing | Long-life Testing
Acoustic Testing | Electrical Testing | Consulting Services

Austest Laboratories provides:

- The most comprehensive range of defence testing services
- Largest commercially available electrodynamic vibration and shock capability in the country
- State-of-the art EMC/EMI test facilities
- Temperature, Humidity, Altitude, Pressure, Salt-fog and Solar test chambers
- Formal accreditation for major defence standards such as: MIL-STD-461, MIL-STD-810, MIL-STD-167, MIL-STD-202, DEF STAN 00-35, RTCA DO-160 etc.



EMC

- Radio frequency interference emissions and susceptibility
- Surges, ESD and transient burst susceptibility
- In-situ testing
- On site surveys

Mechanical Testing

- Vibration (payloads up to 2,000 kg)
- Classical shock and SRS (up to 20,000 g)
- Drop, topple and roll
- Impact
- Inclination
- Altitude (level flight and rapid change)
- Pressure and sealing
- Steady state acceleration
- Fatigue
- Static load, bending, stress-strain, flexure
- Enclosure (rain, dust, immersion etc.)
- Combined environmental testing



Climatic Testing

- Temperature
- Humidity
- Thermal shock



Acoustics

- Airborne noise
- Structureborne noise
- On-site measurements



Accelerated Ageing

- Salt (Corrosive) Atmospheres
- UV-A and UV-B radiation
- Solar radiation
- Combined testing (solar/temperature/humidity/rain)

Electrical safety

- Measurement & control equipment
- Information Technology equipment
- Generic electrical safety

Design and consulting

- EMC advisory services & product modifications
- Vibration and shock consulting
- Design of cushions and resilient mounts
- Vibration measurement and diagnostics
- Acoustic design and noise mitigation
- Test fixtures design and manufacturing

Some of the defence test standards we offer are:

MIL-STD-461F* | MIL-STD-167-1A* | DEF-STAN 00-35* | MIL-HDBK-2036* MIL-STD-810G*-
MIL-STD-202G* | MIL-STD-883* | RTCA/DO-160* | MIL-STD-1474

* including previous versions



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Please consult A2LA Certificate Numbers 2765.02 for a complete listing of accredited services.

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