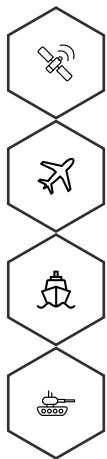


VIPAC

Engineers & Scientists

Leading Defence Force &
Commercial Qualification
Testing Services Australia

Space, Defence & Marine



Established in 1973, Vipac Engineers & Scientists has organically grown to become one of Australia's leading engineering testing laboratories and consultancies. Proudly Australian owned and operated, the company specialises in;

- > **Aircraft** - structural, noise, load, and simulation testing;
- > **Marine vehicle** - hull strength, radiated & internal noise, and speech intelligibility;
- > **Land vehicle** - systems & weapons development, remote & collision detection sensors, and condition monitoring; and
- > **Spacecraft** - microsatellite, ground station, rocketry, instrument, and payload testing.

By collaborating with Vipac, you will be taking advantage of the company's appropriately qualified personnel with security clearances up to NV1. Vipac has invaluable experience, having worked with Defence primes, the Australian Government, and on space projects.

Vipac's defence & space qualification services comprise facilities in Melbourne with onsite consulting from Brisbane, Adelaide, and Sydney. This enables the company to provide a one-stop, high-quality service. Vipac offers a suite of vibration & shock testing options in Melbourne.

Top: Vipac conducted underwater noise studies, vibration, and shock testing on the Collins-class submarine.

Left: The HMAS Anzac required noise, vibration, and shock testing and analysis. Vipac's consultants also suggested controls.



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Testing As Per Standards

Defence

- > DEF(AUST)5000
- > DEF-STAN 00-35
- > MIL-STD-167-1A
- > MIL-STD 167, 202, and 810
- > NATO

Environmental Testing

- > ASTM B117
- > AS IEC 60068.2
- > AS/IEC 60529
- > RTCA DO-160F
- > NASA GSFC-STD-7000
- > SpaceX Falcon User Guide



Services & Testing Provided

- > Dynamics & Structural Integrity Analysis
- > Computer Simulation (FEA & CFD)
- > Noise & Vibration Assessments
- > Weapons Noise Testing
- > Acceleration Testing
- > High Altitude Testing
- > High Amplitude Shock Testing
- > Hydrostatic Pressure Testing
- > Inclination Testing
- > Ingress Protection Testing
- > Mechanical Load & Fatigue Testing
- > Salt Spray & Corrosive Atmosphere Testing
- > Temperature & Humidity Testing
- > Vibration & Shock Testing
- > Monitoring (HUMS), Data Acquisition & Diagnostics



Qualifications & Certifications

- > A2LA (Certificate #5677.01) Accredited
- > NATA Accredited, IEC/ISO 17025
- > BSI ISO 45001, ISO 9001, and ISO 14001
- > Registered Australian Government RSP No. 15701
- > Member of the DISP
- > Australia's **only** ambient environmental tester for the marine sector as recognised by the ABS

