

# John C. Stennis Space Center Measurement Standards and Calibration Laboratory

## Calibration Capabilities

Stennis Space Center's **Measurement Standards and Calibration Laboratory (MS&CL)**, a technical services contractor operated facility, provides total quality managed calibration, measurement and repair services for test and measurement equipment users. The 22,600 square foot laboratory facility contains some of the most modern equipped facilities available for electronic, physical and mechanical calibration, measurement, and repair service. A staff of professional technicians with an average of nearly 20 years of test equipment calibration and repair experience round out this impressive list of capabilities.

## Calibration Management and Logistics

- Maintenance of instruments at peak performance
- Recall Notification
- Interval Analysis
- Database Management System – Standards managed with out-of-tolerance escalation notification.
- ISO-9001 Certified Quality System
- In Place Calibration services available for certain disciplines
- Delivery and scheduling services

## Equipment

We service a wide range of equipment calibration including oscilloscopes, multimeters, power meters, attenuators, spectrum analyzers, signal generators, gage blocks, mass sets and balances, linear measuring equipment, temperature and humidity devices, gas and water flow meters, pressure transducers and pressure gauges, load cells, and torque wrenches.

## Measurement Scope

The Stennis MS&CL calibration scope includes but is not limited to:

Acoustics – Sound Level  
Angular Frequency (rpm)

Capacitance

Current (ac/dc)

Dimensional

- Coating
- Flatness
- Hardness
- Inside Measurement
- Length
- Mass
- Optical Angle
- Pitch Diameter
- Roundness
- Surface Finish

Flow - Gaseous, Liquid, Wind  
Gas Detectors

Time / Frequency

Humidity (Relative & Absolute)

Inductance

Magnetics

Pressure

Resistance

Specific Gravity

Temperature

Torque

Vacuum

Voltage (ac/dc)

Volume

## Experience

The MS&CL has experience supporting NASA, other government agencies, and private industry. Current customers include Stennis Space Center (SSC), the U.S. NAVY, numerous Nuclear Power Facilities, and other resident SSC agencies. Laboratory procedures and processes are compliant with NCSL Z540.1.



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