



# **Specific Accreditation Guidance**

## **Scope of accreditation - activity and service descriptors for calibration**

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This document lists the descriptors for activities and services currently able to be accredited for calibration.

In addition to referencing ISO/IEC 17025 and the applicable activities and services listed below, scopes of accreditation will include the material/item/product calibrated, the determination, the technique used, the range/limitation and the measurement uncertainty.

Scopes of accreditation will also differentiate between calibration performed at the facility premises or those performed in-situ. In-situ calibrations include those performed at the client's premises or mobile services. The need to differentiate both services in the scopes of accreditation is that the calibration and measurement capability (CMC) will differ. The CMC includes the estimate of least measurement uncertainty for each measurement range.

The list below will be updated as new activities and/or services are accredited.

Activity	Service
Calibration	Acoustical metrology - Acoustic equipment
	Acoustical metrology - Acoustic standards and reference equipment
	Chemical metrology - Breath alcohol instruments
	Chemical metrology - Dynamic gas blenders
	Chemical metrology - Gas analysers
	Chemical metrology - Characterisation of gases
	Chemical metrology - Provision of reference values in substances
	High frequency electrical metrology - Communications, electromagnetic field strength and EMC test equipment
	DC and low frequency electrical metrology - Electrical instrument calibrators
	DC and low frequency electrical metrology - Electrical standards
	DC and low frequency electrical metrology - Electrical measurement and test equipment
	DC and low frequency electrical metrology - High-voltage/ high-current standards and equipment
	Dimensional Metrology - Engineering equipment and precision instruments

Activity	Service
	Dimensional Metrology - Length and angle standards
	Dimensional Metrology - Limit gauges and reference standards
	Dimensional Metrology - Survey and alignment equipment
	Dimensional Metrology - Measurement of jigs, fixtures, cutting tools, machine tools, gears, splines and serrations
	Dimensional Metrology - Measurement of surface topography
	Flow metrology - Environmental flow measuring devices and system
	Flow metrology - Flow measuring devices and systems
	Flow metrology - Water flow measuring devices and systems
	Force metrology - Force measuring and testing equipment
	Force metrology - Force standards
	Force metrology - Hardness standards and equipment
	Ionising radiation - Ionising radiation standards and equipment
	Magnetism - Magnetic instruments and equipment
	Mass - Determination of mass and calibration of weighing devices
	Optical metrology - Optical measuring equipment
	Optical metrology - Optical standards and reference equipment
	Optical metrology - Particle measuring devices

Activity	Service
	Pressure metrology - Pressure and vacuum measuring equipment
	Pressure metrology - Pressure standards
	Speed and velocity - Speed measuring devices
	Speed and velocity - Verification of fixed speed detector installations
	Temperature metrology - Ancillary temperature measuring equipment
	Temperature metrology - Humidity measuring equipment
	Temperature metrology - Non contact temperature measuring equipment
	Temperature metrology - Temperature measuring equipment
	Temperature metrology - Temperature standards and reference equipment
	Temperature metrology - Verification of controlled enclosures
	Time and frequency metrology - Frequency and time standards
	Time and frequency metrology - Frequency, time and waveform measuring equipment
	Torque metrology - Torque measuring and testing equipment
	Torque metrology - Torque standards
	Ultrasonics - Ultrasonic measuring equipment
	Vibration metrology - Vibration equipment
	Vibration metrology - Vibration standards and reference equipment
	Viscosity - Measurement of viscosity

<b>Activity</b>	<b>Service</b>
	Volume and density - Industrial volumetric equipment and bulk storage
	Volume and density - Laboratory volumetric glassware and measures
	Volume and density - Determination of density
	Volume and density - Nuclear density gauges

## Amendment Table

The table below provides a summary of changes made to the document with this issue.

<b>Amendment</b>
Added new Service Items for flow metrology