

DATE:

NVLAP LAB CODE:

**NVLAP CALIBRATION LABORATORIES PROGRAM-SPECIFIC APPLICATION
PARAMETER SELECTION LIST**

Instructions

New laboratories: Check each calibration laboratory parameter for which you are requesting accreditation. Use separate sheets to list uncertainties desired, if necessary.

Renewal laboratories: A renewing laboratory may submit, in lieu of this application form, a copy of its current scope of accreditation marked “no change” or with any changes, additions, or deletions appropriately annotated.

DIMENSIONAL

<i>NVLAP Code</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>
_____ 20/D01	Angular	_____
_____ 20/D02	API and Ring Gages	_____
_____ 20/D03	Gage Blocks	_____
_____ 20/D04	Laser Frequency/Wavelength	_____
_____ 20/D05	Length & Diameter; Step Gages	_____
_____ 20/D06	Line Standards	_____
_____ 20/D07	Measuring Wires	_____
_____ 20/D08	Optical Reference Planes	_____
_____ 20/D09	Roundness	_____
_____ 20/D10	Sieves	_____
_____ 20/D11	Spherical Diameter; Plug/Ring Gages	_____
_____ 20/D12	Surface Texture	_____
_____ 20/D13	Surveying Rods and Tapes	_____
_____ 20/D14	Threaded Plug & Ring Gages	_____
_____ 20/D15	Two Dimensional Gages	_____
_____ 20/D16	Coordinate Measuring Machines	_____
_____ 20/D17	Film Thickness Standards	_____
_____ 20/D18	Gears	_____
_____ 20/D19	Angle of Optical Rotation	_____

DATE:

NVLAP LAB CODE:

ELECTROMAGNETICS - DC/LOW FREQUENCY

<i>NVLAP Code</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>
____ 20/E01	Voltage/Current Converters (to 1 MHz)	_____
____ 20/E02	AC Resistance and Current	_____
____ 20/E03	Capacitance Dividers	_____
____ 20/E04	Current Transformers	_____
____ 20/E05	DC Resistance and Current	_____
____ 20/E06	DC Voltage	_____
____ 20/E07	High Voltage Resistors	_____
____ 20/E08	Inductive Dividers	_____
____ 20/E09	LF AC Voltage	_____
____ 20/E10	LF Capacitance	_____
____ 20/E11	LF Inductance	_____
____ 20/E12	LF Power/Energy	_____
____ 20/E13	Magnetics	_____
____ 20/E14	Mixed Dividers	_____
____ 20/E15	Phase Meters	_____
____ 20/E16	Power-Frequency Capacitors	_____
____ 20/E17	Pulse Waveform	_____
____ 20/E18	Resistance Dividers	_____
____ 20/E19	Voltage Transformers	_____
____ 20/E20	Oscilloscopes	_____
____ 20/E21	Electrical Conductance	_____

DATE:

NVLAP LAB CODE:

ELECTROMAGNETICS - DC/LOW FREQUENCY (continued)

General Purpose Measuring and Test Equipment (M & TE)
(Describe below)

<i>For NVLAP Use Only</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>

DATE:

NVLAP LAB CODE:

ELECTROMAGNETICS - RF/MICROWAVE

<i>NVLAP Code</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>
____ 20/R01	Coaxial Air Line Standards	_____
____ 20/R02	Coaxial/Waveguide Terminations	_____
____ 20/R03	Dielectric Materials	_____
____ 20/R04	Electromagnetic Field Strength	_____
____ 20/R05	HF Capacitance	_____
____ 20/R06	HF Inductance	_____
____ 20/R07	High Frequency Resistors	_____
____ 20/R08	Microwave Antenna Parameters	_____
____ 20/R09	Noise Temperature	_____
____ 20/R10	Q-Standards	_____
____ 20/R11	RF-DC Voltage/Current Converters	_____
____ 20/R12	RF/Microwave Bolometer Units	_____
____ 20/R13	RF/Microwave Attenuators	_____
____ 20/R14	RF/Microwave Phase Shifters	_____
____ 20/R15	VHF Omnidirectional Range	_____
____ 20/R16	Group Delay	_____
____ 20/R17	RF/Microwave Power Meters	_____

DATE:

NVLAP LAB CODE:

ELECTROMAGNETICS - RF/MICROWAVE (continued)

General Purpose Measuring and Test Equipment (M & TE)
(Describe below)

<i>For NVLAP Use Only</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>

DATE:

NVLAP LAB CODE:

IONIZING RADIATION

<i>NVLAP Code</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>
<input type="text"/> 20/I01	Dosimetry of X-Rays, Gamma-Rays, and Electrons	<input type="text"/>
<input type="text"/> 20/I02	High-Dose Dosimetry	<input type="text"/>
<input type="text"/> 20/I03	Neutron Sources and Dosimeters	<input type="text"/>
<input type="text"/> 20/I04	Radioactive Sources	<input type="text"/>

General Purpose Measuring and Test Equipment (M & TE)
(Describe below)

<i>For NVLAP Use Only</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>
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DATE:

NVLAP LAB CODE:

MECHANICAL

NVLAP Code	Parameter Short Title	Range(s) and Uncertainty Desired
____ 20/M01	Acoustic	_____
____ 20/M02	Acoustic Emission Transducers	_____
____ 20/M03	Airspeed	_____
____ 20/M04	Cryogenic Flow Rate	_____
____ 20/M05	Flow Rate	_____
____ 20/M06	Force	_____
____ 20/M07	Hydrometers	_____
____ 20/M08	Mass	_____
____ 20/M09	Ultrasonic Reference Block	_____
____ 20/M10	Ultrasonic Transducer	_____
____ 20/M11	Vibration	_____
____ 20/M12	Volume and Density	_____
____ 20/M13	Hardness	_____
____ 20/M14	Speed Indicators	_____
____ 20/M15	Torque	_____

General Purpose Measuring and Test Equipment (M & TE)
(Describe below)

For NVLAP Use Only	Parameter Short Title	Range(s) and Uncertainty Desired
	_____	_____
	_____	_____
	_____	_____
	_____	_____
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	_____	_____
	_____	_____

DATE:

NVLAP LAB CODE:

OPTICAL RADIATION

<i>NVLAP Code</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>
____ 20/O01	Laser Power Energy	_____
____ 20/O02	Photometric	_____
____ 20/O03	Radiometric	_____
____ 20/O04	Spectrophotometric	_____
____ 20/O05	UV Radiometric-Standard Detectors	_____
____ 20/O06	UV Radiometric-Standard Sources	_____
____ 20/O07	Photovoltaic Devices	_____

General Purpose Measuring and Test Equipment (M & TE)
(Describe below)

<i>For NVLAP Use Only</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>
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DATE:

NVLAP LAB CODE:

THERMODYNAMIC

<i>NVLAP Code</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>
____ 20/T01	Heat Flux Gages	_____
____ 20/T02	Humidity	_____
____ 20/T03	Laboratory Thermometers, Digital and Analog	_____
____ 20/T04	Leak Artifacts	_____
____ 20/T05	Pressure	_____
____ 20/T06	Radiation Thermometry	_____
____ 20/T07	Resistance Thermometry	_____
____ 20/T08	Temperature Indicators	_____
____ 20/T09	Vacuum & Low Pressure Gages	_____
____ 20/T10	Vacuum & Low Pressure Transducers	_____
____ 20/T11	Thermocouples	_____

General Purpose Measuring and Test Equipment (M & TE)
(Describe below)

<i>For NVLAP Use Only</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>
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DATE:

NVLAP LAB CODE:

TIME AND FREQUENCY

<i>NVLAP Code</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>
____ 20/F01	Frequency Dissemination	_____
____ 20/F02	Time Dissemination	_____
____ 20/F03	Oscillator Characterization	_____
____ 20/F04	Pulse Waveform	_____
____ 20/F05	Stopwatches and Timers	_____

General Purpose Measuring and Test Equipment (M & TE)
(Describe below)

<i>For NVLAP Use Only</i>	<i>Parameter Short Title</i>	<i>Range(s) and Uncertainty Desired</i>
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RECOGNITION OF COMPLIANCE TO ANSI/NCSL Z540-1-1994, PART I

A few of the general requirements prescribed in ANSI/NCSL Z540-1-1994, *Calibration Laboratories and Measuring and Test Equipment - General Requirements*, Part I are not directly addressed in ISO/IEC 17025:2005 and, therefore, are not addressed in NIST Handbook 150: *NVLAP Procedures and General Requirements* (2006 edition). Laboratories wishing to be evaluated for their compliance to Z540-1, in addition to the requirements of NIST Handbook 150, should indicate their desires below.

The additional requirements may be found in the Supplemental Checklist for Verification of Compliance to ANSI/NCSL Z540-1-1994, Part I.

<i>NVLAP Code</i>	<i>Short Title</i>
____ 20/A01	ANSI/NCSL Z540-1-1994; Part I Compliant