

nd Measurement Capability (CMC) Declarations

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					Reference Standard used in calibration		List of Comparisons supporting this measurement/calibration service	Comments to be published via the web page	Administration				
Quantity/Class	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage Factor	Level of Confidence	Is the expanded uncertainty a relative one?	Standard	Source of traceability			NMI Service Identifier	Service Category	NMI	Review Status	Review Comments
Frequency	Frequency counter: Stopwatches, Tachometers	Measurement of the resonance frequency of its time base	0.1	10 ⁵	Hz	Mesurement time	≥1 h	10 ⁻¹⁰	Hz/Hz	2	95%	Yes	Rubidium counter CNT-85R, Quartz counter HP5345A, with time bases disciplined to Cesium Standard	INM	SIM Stopwatch calibration intercomparison - 2010		INM-L08-01	2.3.1	INM Colombia		
Frequency	Frequency meter: Tachometers	Direct measurement	0.1	10 ⁴	Hz	Mesurement time	≥1 h	10 ⁻¹⁰	Hz/Hz	2	95%	Yes	Optical Pulses disciplined to Cesium Standard	INM			INM-L08-02	2.3.2	INM Colombia		
Frequency	General frequency source	Direct measurement	0.1	10 ⁹	Hz	Mesurement time	≥20 h	10 ⁻¹⁰	Hz/Hz	2	95%	Yes	Rubidium counter CNT-85R, Quartz counter HP5345A, with time bases disciplined to Cesium Standard	INM			INM-L08-03	2.2.1	INM Colombia		
Frequency	Frequency counter	Measurement of the resonance frequency of its time base, direct measurement	0.1	10 ⁹	Hz	Mesurement time	≥20 h	10 ⁻¹⁰	Hz/Hz	2	95%	Yes	Rubidium counter CNT-85R, Quartz counter HP5345A, with time bases disciplined to Cesium Standard	INM			INM-L08-04	2.3.1	INM Colombia		
Frequency	Frequency meter	Measurement of the resonance frequency of its time base, direct measurement	0.1	10 ⁹	Hz	Mesurement time	≥20 h	10 ⁻¹⁰	Hz/Hz	2	95%	Yes	Rubidium counter CNT-85R, Quartz counter HP5345A, with time bases disciplined to Cesium Standard	INM			INM-L08-05	2.3.2	INM Colombia		
Frequency	Local frequency standard	Measurement of phase difference	100	100	kHz	Mesurement time	≥20 h	6x10 ⁻¹³	Hz/Hz	2	95%	Yes	Cesium Clock Primary Standard	INM	SIM Common-View GPS Comparison Network		INM-L08-06	2.1.1	INM Colombia		
Frequency	Local frequency standard	Measurement of phase difference	1	1	MHz	Mesurement time	≥20 h	6x10 ⁻¹³	Hz/Hz	2	95%	Yes	Cesium Clock Primary Standard	INM	SIM Common-View GPS Comparison Network		INM-L08-07	2.1.1	INM Colombia		
Frequency	Local frequency standard	Measurement of phase difference	5	5	MHz	Mesurement time	≥20 h	6x10 ⁻¹³	Hz/Hz	2	95%	Yes	Cesium Clock Primary Standard	INM	SIM Common-View GPS Comparison Network		INM-L08-08	2.1.1	INM Colombia		
Frequency	Local frequency standard	Measurement of phase difference	10	10	MHz	Mesurement time	≥20 h	6x10 ⁻¹³	Hz/Hz	2	95%	Yes	Cesium Clock Primary Standard	INM	SIM Common-View GPS Comparison Network		INM-L08-09	2.1.1	INM Colombia		