

Length, Serbia, DMDM (Directorate of Measures and Precious Metals)

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					NMI Internal Service Identifier	Comments
Class	Instrument or Artifact: Measurand	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?		
Laser radiation	Stabilized laser of the mise en pratique: vacuum wavelength	Optical beat frequency	633	633	nm			0.04	fm	2	95%	No	1	Approved on 22 March 2005
Laser radiation	Stabilized laser of the mise en pratique: absolute frequency	Optical beat frequency	474	474	THz			24	kHz	2	95%	No	2	Approved on 22 March 2005
Laser radiation	Other stabilized laser: vacuum wavelength	Optical beat frequency	633	633	nm			1E-09		2	95%	Yes	3	Approved on 22 March 2005
End standards	Gauge block: central length L	Interferometry, exact fraction	0.5	100	mm			Q[20, 0.2L], L in mm	nm	2	95%	No	4	Approved on 22 March 2005
End standards	Gauge block: central length L	Mechanical comparison to gauge block	0.5	100	mm			Q[50, 0.5L], L in mm	nm	2	95%	No	5	Approved on 22 March 2005
Angle by circle dividers	Optical polygon: face angle	Goniometer	0	360	°			0.2	"	2	95%	No	7	Approved on 22 March 2005
Angle by circular dividers	Rotary table, heads and goniometers: angle	Standard polygon and autocollimator	15	360	°			0.2	"	2	95%	No	8	Approved on 22 March 2005
Angle instruments	Autocollimator: error of indicated angle	Goniometer	0	according to the autocollimator	'			0.2	"	2	95%	No	9	Approved on 22 March 2005
Angle artefacts	Angle block: included angle	Goniometer	0	360	°			0.2	"	2	95%	No	10	Approved on 22 March 2005