

	COOMET informational material	COOMET I/LM/3:2003
	Survey of technical requirements in the field of legal metrology in COOMET member-countries	
<p><i>Approved at the 4th meeting of Technical Committee TC 2 “Legal Metrology” Jalta, the Ukraine, 28 of April 2003</i></p>		

The present informational material has been prepared within COOMET project 204/DE-a/00 «Harmonization of technical requirements in legal metrology». This COOMET project involves an analysis of technical requirements concerning infrastructure in the field of legal metrology is carried out as well as survey of metrological control over measuring instruments, which is carried out in COOMET member countries.

Fields of mandatory surveillance of measuring instruments

	Belarus	Bulgaria	Cuba	Germany	Kyrgyzia	Moldova	Russia	Slovakia
commercial transactions	x	x	x	x	x	x	x	x
official transactions	x		x	x	x	x	x	x
health care	x	x	x	x	x	x	x	x
radiation protection	x	x	x	x	x	x	x	x
environmental conversation	x	x	x	x	x	x	x	x
safety standards at work	x	x	x	x	x	x	x	x
other fields					veterinarian medicine accounts	transport and construction		

Statement to staff

	Belarus	Bulgaria	Cuba	Germany	Kyrgyzia	Moldova	Russia	Slovakia
staff for type approval / per million inhabitants	8		1,18	1,2	69	1.8	10	6
staff for surveillance (verification, inspection) per million inhabitants	200	53,4	2,1	16,2	12	8,9	74	80
qualifications of staff for type approval in % <ul style="list-style-type: none"> • university • polytechnic • college of technology • skilled worker 	100	100	60	70	2	100	73,2	90
		-	23	25	-		10,2	10
	-	-	-	5	-		10,9	-
	-	-	17	-	-		5,7	-
qualifications of staff for surveillance in % <ul style="list-style-type: none"> • university • polytechnic • college of technology • skilled worker 	40	57	46	9,9	100	62	36	10
	60	7	41	32,3	-		1	20
	-	34	-	30,3	-	38	53	40
	-	-	13	27,3	-		10	30

Type approval and surveillance (verification, inspections)

	Belarus	Bulgaria	Cuba	Germany	Kyrgyzia	Moldova	Russia	Slovakia
simple length measures	x	x	x	x	x	x	x	x
area measuring instruments	x		x	x	x	x	-	x
liquid volume measuring instruments								
• storage tanks	x	x	x			x	-	-/x
• cold water meters	x	x	x	}x	}x	x	x	x
• petrol pumps	x	x	x			-	x	x
• heating oil	x	-					x	-
density meters	x	x	x	x	x	x/-	x	x
warm water meters	x	x		x	x	x	x	x
gas volume meters	x	x	x	x	x	x	x	x
gas chromatograph	x	-		x	x	x	x	-
electricity meters	x	x	x	x		x	x	x
non-automatic weighing instruments	x	x	x	x	x	x	x	-/x
automatic weighing instruments								
• check weighers	-	-	x			-/x		
• weigh/price labellers	x	x	x			x/x		
• hopper weighers	-	x	x	}x	}x	-/x	}x	}x
• belt weighers	x	-	x			-/x		
• rail weighbridges	x	x	-					
medical measuring instruments				Law for medical products				
• clinical thermometers				(x)		-/x		x
• blood pressure measures	x	x		(x)		x	}x	x
• medical syringes	x	-		(x)	}x	-		-
• tonometers	x	-	}x	(x)		-		-
glass measuring instruments	x	-	x	x	x	-/x	x	x
thermometers	x	x	x	x	x	x	x	x
sound level meters	x	x		x	x	-	x	x
alcoholmeters	x	x	-/x	x	-	x	x	x
radar meters for traffic and other speed measuring instruments	x	x		x	x	-/x	x	x
exhaust emission meters	x	x		x		x	x	x
taximeters	x	x		x	-	x	x	x
tyre pressure gauge	x	-	x	x	-	-	x	x
chronometers	x	x	x	x	x	x/-	x	-
radiation measuring instruments	x	x	x	x	-	x/-	x	x

nonmarking means no declaration, type approval / surveillance

Verification validity duration (in years)

	Belarus	Bulgaria	Cuba	Germany	Kyrgyzia	Moldova	Russia	Slovakia
simple length measures	0,5 - 2	1	2	∞	1	1	1	5
area measuring instruments	1 - 2	1	2	∞	1	1	-	1
liquid volume measuring instruments								
• storage tanks	1	1	5	12	1		-	5 - 10
• cold water meters	2 - 4	5		6	1	2 - 5	2 - 6	6
• petrol pumps	1	0,5	2	2	1 - 2	0,5	1	2
• heating oil	1	-		2	1 - 2		1 - 4	-
density meters	2	-	2	2			1	-
warm water meters	2 - 4	5		5	1 - 2	2 - 5	2 - 4	4
gas volume meters	2 - 8	2		8, 12 and 16	1 - 2	5	6 and 10	5 and 10
gas chromatograph	1	-		1	1	1	1	-
electricity meters	2, 4, 8	4 - 8	1	8, 12 and 16	4 - 16	4 - 8	6, 8 and 10	5, 12 and 16
non-automatic weighing instruments	1	0,5 - 2	1	2 - 4	1	1	1	2
automatic weighing instruments								
• check weighers	1	-	1	1				
• weigh/price labellers	1	0,5	1	1 и 2				
• hopper weighers	1	0,5	2	2	}1	}1	}1	}2
• belt weighers	1	-	2	2				
• rail weighbridges	1	0,5	-	3				
medical measuring instruments								
• clinical thermometers	-	x		-		1		2
• blood pressure measures	1	-		-	}1	1	}1	2
• medical syringes	-	-	}1	-				-
• tonometers	1	-		-				-
glass measuring instruments	-	-		∞	1		1	-
thermometers	1 and 4	1	2	6 and 15	1	2	1 - 4	2 and 4
sound level meters	1	1		2	1		1	2
alcoholmeters	0,5	-	2	0,5		5	0,5 - 1	1
radar meters for traffic and other speed measuring instruments	2	2		1	2	2	2	1
exhaust emission meters	0,5	0,5		1	0,5	0,5 - 1	1	1
taximeters	1	1	1	1	-	1	1	2
tyre pressure gauge	1 and 5	-		1	-		1	1
chronometers	1	1	2	1	1	1	1	-
radiation measuring instruments	1	1 - 2	1	1	-	1	1	2

nonmarking means no declaration