

Member State
 Associate of the CGPM
 International organization

Country	AUV	L	TF	T	PR	M	EM	EM Matrices	RI(I)	RI(II)	RI(III)
Argentina	9	4		17	3	61	156	No		33	
Australia	23	6	21	8	17	29	87	Yes	15	32	2
Austria	17	25	17	7	3	60	44	Yes	50	100	
Belarus	8	13			3		12	No	21	30	
Belgium		17	6			20	54	Yes			
Brazil	37	11		11	11	87	149	Yes	8	96	2
Bulgaria	30	10			8	23	70	Yes	7		
Canada	28	30		60	42	50	236	No	10		1
CARICOM											
Chile				10		33					
China	21	9	5	7	20	39	155	Yes	17	176	2
Chinese Taipei	23	7	6	5	33	48	151	Yes	7	78	4
Costa Rica											
Croatia						10					
Cuba						12			13	38	
Czech Republic	8	72	17		2	37	181	Yes	7	104	12
Denmark	25	11		5	8	74	64	Yes			
Ecuador											
Egypt											
Estonia											
Finland	17	60	11	17	48	31	198	Yes	31		
France	58	27		26	18	120	320	Yes	63	166	15
Germany	76	90	25	27	65	180	325	Yes	59		20
Greece		2				12	20	No			
Hong Kong, China		7	29	16		31	126	Yes			
Hungary											
IAEA									13		
India		38	11		14	19	84	Yes			
Indonesia		5		2		3	7	No			
Ireland		2	7	3		7	172	No			
IRMM										110	
Israel											
Italy	42	39	16	29	23	105	206	Yes	76	13	9
Jamaica						22					
Japan	8	24	12	14	18	80	24	Yes	12	219	9
Kazakhstan											
Kenya											

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Korea	11	5	18	9	11	47	124	Yes	12	190	6
Latvia		6				7	46	Yes	12	131	
Lithuania		9				21	18	No			
Malaysia	21	7	4	6	8	15	70	Yes			
Malta											
Mexico	40	22		15	30	110	35	Yes			
Moldova											
Netherlands, The	6	70	31	11	12	89	238	Yes	28	57	
New-Zealand		3	11	10	27	20	104	Yes			
Norway		11		13	3	22	74	Yes	22		
Panama			2			20	4	No			
Philippines											
Poland	48	34	13	15	6	71	149	Yes	5	68	
Portugal	2	7		16		29	27	Yes	43		
Romania		15			8	30	98	Yes		34	
Russia	68	19	36	130	44	59	325	Yes	161	124	44
Serbia		9	12		7		94	Yes			
Singapore		5	4	10	34	25	113	Yes			
Slovakia	6	22		13	11	53	79	Yes	30	37	9
Slovenia		21	11	7		16	159	Yes			
South Africa	38	7		20	60	47	112	No	1	36	
Spain	16	35	19	13	38	38	95	Yes	52	97	
Sri Lanka											
Sweden	33	41	17	16	29	79	190	Yes	29		
Switzerland	24	61	12	15	25	50	115	Yes	8	21	
Thailand				4		30	313	No			
The FYR Macedonia											
Tunisia											
Turkey	25	51	20	15	10	86	141	Yes			
Ukraine	15	25									
United Kingdom	42	45	12	19	129	81	319	Yes	36	116	42
United States	32	49	9	71	126	120	329	Yes	35	497	8
Uruguay				12		45	132	No			
Viet Nam											
Total by Metrology Area	857	1088	414	704	954	2403	6344		883	2603	185

12764	3671
Total General Physics	Total RI

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Country	QM / 1	QM / 2	QM / 3	QM / 4	QM / 5	QM / 6	QM / 7	QM / 8	QM / 9	QM / 10	QM / 11	QM / 12	QM / 13	QM / 14	Total by country for all metrology areas
Argentina															283
Australia	25		1		4					2	8		6		286
Austria															323
Belarus				3		1									91
Belgium															97
Brazil					2	4	4								422
Bulgaria						3									151
Canada					30					20			32		539
CARICOM															0
Chile															43
China	30	37	19	33		5				11	18	8			612
Chinese Taipei				3											365
Costa Rica															0
Croatia															10
Cuba															63
Czech Republic				14			1			14					469
Denmark						6	3								196
Ecuador															0
Egypt															0
Estonia															0
Finland				7											420
France		24	20	40	8	2					17		6		930
Germany	32	29	10	86	10	9	4	245	32	22	9	2	59	20	1436
Greece															34
Hong Kong, China															209
Hungary															0
IAEA															13
India															166
Indonesia															17
Ireland															191
IRMM	30		14		11				9	15	12	1	24		226
Israel															0
Italy				4			1	3		2					568
Jamaica															22
Japan	14	20	9	80	21	6			4	4	3		38		619
Kazakhstan															0
Kenya															0

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Korea		21	34	260		5				2	23				778
Latvia															202
Lithuania															48
Malaysia															131
Malta															0
Mexico	53	37	48	14	9	7	2	8		4	6		23		463
Moldova															0
Netherlands, The	17			220	2						1		4		786
New-Zealand															175
Norway															145
Panama															26
Philippines															0
Poland				9		13	2								433
Portugal				20											144
Romania		1													186
Russia	3	13	25	312	1	6	2	9			5		4		1390
Serbia															122
Singapore															191
Slovakia	7	26		18		11	2								324
Slovenia															214
South Africa			2	5				4			1		3		336
Spain				21											424
Sri Lanka															0
Sweden															434
Switzerland				8											339
Thailand															347
The FYR Macedonia															0
Tunisia															0
Turkey															348
Ukraine				3			3								46
United Kingdom	16	40	6	192	12			4	2	12	15	1	11		1152
United States		73	145	135	21	10	3		9	198	117	35	205	14	2241
Uruguay															189
Viet Nam															0
Total by Metrology Area	227	321	333	1487	131	88	27	273	56	306	235	47	415	34	

3980
Total Chemistry

Grand total
20415

Distribution of CMCs deleted from the KCDB Appendix C due to lack of approved Quality Systems

M	PR	EM	T	RI	L	AUV	QM	TF	Total
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APMP

AU			10 - 1 = 9						9
CN			21						21
IN			15 - 4 = 11						11
KR		33							33

Total APMP: 74

COOMET

CU	12-12 = 0				51-51 = 0				0
UA						6 - 6 = 0			0
RU			44 - 44 = 0				5* - 5 = 0		0

Total COOMET: 0

EUROMET

GR	4 + 3 - 3 = 4						8		12	
FR		1							0	
HU	50	57	85	11	104	19	6	27	5	364

Total EUROMET: 376

SADCMET

ZA		60 - 60 = 0	34 - 34 = 0						0
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Total SADCMET: 0

SIM

MX	6	17 - 15 = 2	66 - 9 = 57							65
CL	33 - 33 = 0			4 - 4 = 0						0
BR	3									3
AR					104 - 33 = 71					71
UY	4+45-45 = 4			3 - 3 = 0						4
CA		30	245 - 236 = 9	14 - 5 = 9	16 - 11 = 5	4		107 - 82 = 25		69

Total SIM: 212

Total: 662 CMCs deleted

black: deleted in July 2005, following decision of the 15th JCRB

red: deleted between September 2005 and September 2006

orange: deleted in November 2006, re-instated in May 2008 for Cuba

green: reinstated after QS approval blue: LATU (UY), CMCs deleted in August 2007, re-instated on 30 March 2008

* It corresponds to one multi-component CMC including five different analytes

 	definitively suppressed or replaced by new claims
	Countries for which the process is ended
	CMCs of Hungary deleted on 28 March 2008

The BIPM key comparison database, KCDB

Legend:

AUV	Acoustics, Ultrasound and Vibration
EM	Electricity and Magnetism
EM Matrices	Usage of the presentation in tables of uncertainty ranges
L	Length
M	Mass and Related Quantities
PR	Photometry and Radiometry
QM / 1	Chemistry; High purity chemicals
QM / 2	Chemistry; Inorganic solutions
QM / 3	Chemistry; Organic solutions
QM / 4	Chemistry; Gases
QM / 5	Chemistry; Water
QM / 6	Chemistry; pH
QM / 7	Chemistry; Electrolytic conductivity
QM / 8	Chemistry; Metal and metal alloys
QM / 9	Chemistry; Advanced materials
QM / 10	Chemistry; Biological fluids and materials
QM / 11	Chemistry; Food
QM / 12	Chemistry; Fuels
QM / 13	Chemistry; Sediments, soils, ores, and particulates
QM / 14	Chemistry; Other materials
RI(I)	Ionizing radiation; Dosimetry
RI(II)	Ionizing radiation; Radioactivity
RI(III)	Ionizing radiation; Neutron measurements
T	Thermometry
TF	Time and Frequency

Note that one Chemical CMC involving n analytes measured in one matrix (multi-component CMC) is counted as n CMCs in the Tables above. The reason for this is that n values of uncertainties are given for this n -component CMC.