

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	59	156	No		33	
Australia	23	6	21	8	17	29	105	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	54	155	Yes	17	176	2
Chinese Taipei	23	7	6	5	33	48	151	Yes	7	78	4
Costa Rica						24					
Croatia						10					
Cuba						12			13	38	
Czech Republic	8	72	17		2	39	181	Yes	7	104	12
Denmark	25	11		5	8	74	64	Yes			
Ecuador											
Egypt											
Estonia											
Finland	17	57	11	17	48	31	198	Yes	31		
France	58	27		26	18	122	320	Yes	63	166	15
Germany	76	90	25	27	65	201	325	Yes	59		20
Greece		2				12	20	No			
Hong Kong, China		7	29	16		34	195	Yes			
Hungary											
IAEA									13		
India		38	11		14	19	84	Yes			
Indonesia		5		2		3	49	No			
Ireland		2	7	3		7	172	No			
IRMM										110	
Israel											
Italy	42	39	16	29	23	108	206	Yes	76	13	9
Jamaica						22					
Japan	8	24	12	14	18	80	32	Yes	12	219	9
Kazakhstan											
Kenya											

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Korea	11	5	18	9	11	47	135	Yes	12	190	6
Latvia		6				7	46	Yes			
Lithuania		9				21	18	No			
Malaysia	21	7	4	6	8	15	79	Yes	15		
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	107	Yes			
Norway		11		13	3	22	74	Yes	22		
Panama			2			20	4	No			
Philippines											
Poland	48	34	13	15	6	74	149	Yes	5	68	
Portugal	2	7		16		30	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	36	25	128	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	46	95	Yes	52	97	
Sri Lanka											
Sweden	33	41	17	16	29	80	190	Yes	29		
Switzerland	24	61	12	15	27	51	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	119	329	Yes	35	497	8
Uruguay				12		45	132	No			
Viet Nam											
Total by Metrology Area	857	1085	414	704	958	2484	6519		886	2472	185

13021	3543
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															281
Australia	25		1		4					2	8		6		304
Austria															323
Belarus				3		1									91
Belgium															97
Brazil					2	4	4								422
Bulgaria						3									151
Canada					30					30			35		552
CARICOM															0
Chile					1	1					3				48
China	56	37	19	33		5				11	18	8			653
Chinese Taipei				3											365
Costa Rica															24
Croatia															10
Cuba															63
Czech Republic				14			1			14					471
Denmark						6	3								196
Ecuador															0
Egypt															0
Estonia															0
Finland				7											417
France		24	20	40	8	2					18		6		933
Germany	32	29	10	86	10	9	4	245	32	22	10	2	59	20	1458
Greece															34
Hong Kong, China															281
Hungary															0
IAEA															13
India															166
Indonesia															59
Ireland															191
IRMM	30		14		11				9	15	12	1	24		226
Israel															0
Italy				4			1	3		2					571
Jamaica															22
Japan	14	20	10	82	21	6			4	4	3		38		630
Kazakhstan															0
Kenya															0

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Korea		21	50	260		5				2	23				805
Latvia															59
Lithuania															48
Malaysia															155
Malta															0
Mexico	53	37	49	14	9	7	2	11		4	7		23		468
Moldova															0
Netherlands, The	17			220	2						1		4		786
New-Zealand															178
Norway															145
Panama															26
Philippines															0
Poland				9		13	2								436
Portugal				20											145
Romania		1													186
Russia	3	13	25	314	1	6	2	9			5		4		1392
Serbia															122
Singapore															208
Slovakia	7	29		18		11	2								327
Slovenia															214
South Africa			2	11				4			1		3		342
Spain				23											434
Sri Lanka															0
Sweden															435
Switzerland				8											342
Thailand															347
The FYR Macedonia															0
Tunisia															0
Turkey															348
Ukraine				3			3								46
United Kingdom	16	40	6	193	12			4	2	12	15	1	11		1153
United States	10	73	145	135	21	10	3		9	198	117	35	205	14	2250
Uruguay															189
Viet Nam															0
Total by Metrology Area	263	324	351	1500	132	89	27	276	56	316	241	47	418	34	

4074
Total Chemistry

Grand total
20638

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 - 7* = 2						2
CN			21						21
IN			15 - 4 = 11						11
KR		33 - 33 = 0							0

Total APMP: 34

EURAMET

GR	4 + 3 - 3 = 4						8			12
LV					143					143
HU	60	57	85	11	104	19	6	27	5	374

Total EURAMET: 529

SIM

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

Total SIM: 212

**Total: 775
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

green: reinstated after QS approval

blue: LATU (UY), CMCs deleted in August 2007, re-instated on 30 March 2008

CMCs of Hungary deleted on 28 March 2008

CMCs of Latvia in RI deleted on 01 October 2008

* re-instatement on 30 October 2008

Definitive deletion on 21 November 2008 of the 33 greyed-out CMCs in PR from Korea

Status as on 21 November 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.