

Member State
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Country	AUV				Mass and Related Quantities										Length			PR	T	TF	EM		
	A	W	V	Total	Mass 1	Dens 2	Pres 3	F 4	Torq 5	Visc 6	H 7	Grav 8	FF 9	Total	Laser	Dim Met	Total	Total	Total	Total	Total	Matrices	
Albania					7									7									
Azerbaijan																							
Argentina	5		4	9	29	16	13	11					4	73	1	11	12	4	17	9	78	21	
Australia	13		10	23	18	2	4	5						29		6	6	17	26	21	80	27	
Austria	17		6	23	9	2	7	4		7	4	1	28	62	5	22	27	4	23	17	36	10	
Bangladesh																							
Belarus	25			25	6		1			2	1			10	2	14	16	11	37	31	39	6	
Belgium					10		2	0						12	3	11	14		20	4	6	3	
Bolivia																							
Bosnia and Herzegovina					8									8					9	15			
Botswana																							
Brazil	57		31	88	27	4	14	5	1	22			4	77	8	19	27	11	11	13	63	29	
Bulgaria	12		18	30	8		15			1				24	3	16	19	7	32	16	58	33	
Canada	18	2	8	28	32	8	9						3	52	10	9	19	71	64	7	73	22	
CARICOM																							
Chile					24			9						33		1	1		10		26	13	
China	22	3	31	56	10	4	8	3	1	15	14		12	67	2	78	80	27	42	28	180	81	
Chinese Taipei	21		18	39	9		12	4			3		21	49	3	55	58	45	27	9	49	20	
Colombia																			37	13			
Costa Rica					24														8	11	16	14	
Croatia							10							10	3	19	22		32		21	12	
Cuba													12	12					8		17		
Czech Republic	4		4	8	10		11	4	1				20	46	15	66	81	40	72	17	81	58	
Denmark	29		2	31	7		14	4					36	61		14	14	8	23		54	8	
Ecuador					20									20									
Egypt					7		6	4	1	5				23	2		2			4	2	1	
ESA																							
Estonia																			4				
Finland	17		13	30	8	2	14	3	3			1	3	34	11	49	60	53	44	11	104	39	
France	57		6	63	10	12	19	8	5	31			20	105	5	22	27	30	101	11	131	59	
Georgia					5									5					9		16	2	
Germany	18	5	53	76	10	22	23	11	4	67	24		42	203	4	92	96	83	117	25	164	57	
Ghana																							
Greece					9								15	24	2	2	4		54		38	12	
Hong Kong, China	15			15	9	6	6	4	3		6			34	2	11	13		30	29	66	43	
Hungary	6			6	8	14	16	8			5		8	59	3	15	18	57	46	5	85	5	
IAEA																							
India	23		11	34	16	2	17	6	1	6	3		3	54	2	45	47	14	4	11	74	32	
Indonesia	15			15	24		3							27		5	5		15		20	10	

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Iran																							
Iraq																							
Ireland	4			4	7									7		13	13		33	7	36	23	
IRMM																							
Israel																							
Italy	23	2	17	42	8	7	14	7		0	15	1	16	68	7	35	42	23	97	12	119	53	
Jamaica					22									22									
Japan	4		4	8	12	7	11	3	3	28	3		28	95	7	38	45	49	44	31	55	41	
Kazakhstan					6						8			14	3	3	6		9	25			
Kenya	3		6	9																			
Korea	33		8	41	9	8	11	5	2		8		7	50	6	35	41	41	74	24	90	36	
Latvia					7									7		6	6				16	2	
Lithuania					7		5						8	20		9	9		17	16	16	6	
Luxembourg																							
Macedonia, the FYR					7								6	13					8				
Malaysia	8		13	21	7		8							15	4	3	7	8	6	4	33	10	
Malta																							
Mauritius																							
Mexico	23	1	16	40	28	20	18	15	4	11			15	111	2	32	34		15		150	54	
Moldova																			40				
Mongolia																							
Montenegro													1	1					18				
Namibia																							
Netherlands, The					7	2	5	0		40			30	84	9	63	72	33	76	26	203	42	
New-Zealand					9	3	8							20	3	18	21	30	14	11	81	16	
Norway					9								13	22	4	7	11	3	46		28	16	
Pakistan																							
Oman																							
Panama					20									20									
Paraguay					23		1							24						10	7	5	
Peru					19	1	2	1					7	30		1	1		43	4	12	5	
Philippines					21									21					10				
Poland	15		33	48	8	5	8	4		31	4		10	70	7	43	50	15	69	30	48	30	
Portugal			2	2	6	1	6	2		7			11	33	4	11	15	3	47		12	6	
Qatar																							
Romania	8			8	9		7	3		7	4			30	1	20	21	17	44	9	39	20	
Russia	35	7	30	72	8	2	13	18		11	9		5	66	1	22	23	110	137	36	326	10	
Saudi Arabia																							
Serbia	12			12	10								13	23	3	12	15	11	37	12	40	20	
Seychelles																							
Singapore					6		8	4					4	25	2	35	37	40	81	16	47	33	
Slovakia					7		5			25			10	47	3	15	18	11	82	16	41	13	
Slovenia					7		9						4	20	3	21	24		61	11	87	29	
South Africa	15		29	44	24		11	10					5	50	1	30	31	60	34	8	112		
Spain	18		22	40	10	7	25	4	3				3	52	3	39	42	56	69	19	75	28	
Sri Lanka																							
Sudan																							

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	A	W	V	Total	Mass 1	Dens 2	Pres 3	F 4	Torq 5	Visc 6	H 7	Grav 8	FF 9	Total	Laser	Dim Met	Total	Total	Total	Total	Total	Matrices
Sweden	20		13	33	11	8	14	4					23	60	3	38	41	29	54	19	143	26
Switzerland	21		3	24	10	16	8	4	2			1	10	51	3	67	70	53	23	12	91	46
Syrian Arab Republic																						
Thailand	18			18	8		11				3			22	2	32	34	5	40	8	21	16
Tunisia																				10	4	4
Turkey	16	1	8	25	8	3	12	6		47			10	86	5	71	76	9	50	20	119	52
Ukraine	29			29	5					2	1		3	11	2	25	27		63	30	57	11
United Arab Emirates																						
United Kingdom	0	11		11	9	8	11	6					13	47	10	46	56	136	62	12	173	55
United States	15	1	16	32	38	7	22	15			17		9	108	1	48	49	114	89	11	321	13
Uruguay					35	11							4	50		1	1		27		132	
Viet Nam					6		3						4	13	2	7	9		4	5		
WMO																						
Yemen																						
Zambia																						
Zimbabwe																						
	694	33	435	1162	817	210	480	204	34	365	135	4	511	2760	187	1428	1615	1338	2545	761	4311	
14492	1162			2760										1615			1338	2545	761	4311		
Total General Physics	Total AUV			Total M										Total L			Total PR	Total T	Total TF	Total EM		

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Country	Ionizing Radiation				Chemistry (QM)															Total by country for all metrology areas	
	RI(I) 1	RI(II) 2	RI(III) 3	Total	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	QM / 15		Total
Albania																					7
Azerbaijan																					0
Argentina		48		48		5	6		3			3	3		6		9			35	285
Australia	15	32	2	49	68		3	11	18					11	11		6			128	379
Austria	52	100		152				7												7	351
Bangladesh																					0
Belarus	21	30		51				13		2	1									16	236
Belgium																					56
Bolivia										2										2	2
Bosnia and Herzegovina												1								1	33
Botswana																					0
Brazil	8	96	15	119	7	3	22	36	17	5	3			8	6	10				117	526
Bulgaria	7	16		23						5										5	214
Canada	10		1	11	26	1			39					32	2		35			135	460
CARICOM																					0
Chile																					70
China	17	176	2	195	226	66	101	187		4	3	11	12	34	90	9		3	2	748	1423
Chinese Taipei	7	78	4	89				6												6	371
Colombia																					50
Costa Rica																					67
Croatia																					85
Cuba	13	63		76																	113
Czech Republic	7	104	12	123				23		3	3			0						29	497
Denmark	7			7						4	5									9	207
Ecuador																					20
Egypt	2			2			1											1		2	35
ESA																					0
Estonia																					4
Finland	30			30				6												6	372
France	82	206	15	303		13	22	42	7	4			4	10	16		14			132	903
Georgia																					30
Germany	88	158	20	266	25	34	17	83	26	7	5	159	43	34	18	3	70	22	3	549	1579
Ghana																					0
Greece	35			35					1					2	7					10	165
Hong Kong, China					3	3			6	1				1	12	16	2	5	2	51	238
Hungary	26	78		104				18		3	4									25	405
IAEA	26			26																	26
India								1												1	239
Indonesia																					82

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Country	Ionizing Radiation				Chemistry (QM)															Total by country for all metrology areas	
	RI(I) 1	RI(II) 2	RI(III) 3	Total	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	QM / 15		Total
Iran																					0
Iraq																					0
Ireland																					100
IRMM		110		110	31	9	11		4				9	5	6	2	30			107	217
Israel																					0
Italy	76	13	9	98				2			0	3	2	0	2					9	510
Jamaica																					22
Japan	29	217	13	259	82	35	12	158	22	6		3	13	5	115	3	72			526	1112
Kazakhstan								3		1										4	58
Kenya															2					2	11
Korea	14	189	11	214	5	35	50	296					18	20	87		4	5	2	522	1097
Latvia																					29
Lithuania																					78
Luxembourg																					0
Macedonia, the FYR																					21
Malaysia	15			15																	109
Malta																					0
Mauritius																					0
Mexico	6	45		51	62	37	66	26	11	6	2	15	5	4	16		75			325	726
Moldova	2			2																	42
Mongolia																					0
Montenegro																					19
Namibia																					0
Netherlands, The	21	57		78	17		4	251	2					1		4				279	851
New-Zealand																					177
Norway	22			22																	132
Pakistan																					0
Oman																					0
Panama																					37
Paraguay																					24
Peru						9				4	2				1					16	106
Philippines																					31
Poland	4	68		72				22		6	2									30	432
Portugal	43			43				21												21	176
Qatar																					0
Romania		37		37		7			3			4								14	219
Russia	161	124	44	329	30	15	24	457	9	5	4	14	12	4	8		9	3		594	1693
Saudi Arabia																					0
Serbia								1												1	151
Seychelles																					0
Singapore					8				6					12	9			3		38	284
Slovakia	30	37	9	76	7	35		38		5	2									87	378
Slovenia	9	5		14					2			1		5	5			2		15	232
South Africa	1	36		37		1	2	83				4		5		3			1	99	475
Spain	52	107		159				25												25	537
Sri Lanka																					0
Sudan																					0

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Country	Ionizing Radiation				Chemistry (QM)															Total by country for all metrology areas	
	RI(I) 1	RI(II) 2	RI(III) 3	Total	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	QM / 15		Total
Sweden	23			23							2									2	404
Switzerland	3	21		24				14												14	362
Syrian Arab Republic																					0
Thailand							4	7	4				7	5	24	1		3		55	203
Tunisia																					14
Turkey		3		3	22	2		3	7			7		21	12	1		3		78	466
Ukraine		15		15				17		6	4									27	259
United Arab Emirates																					0
United Kingdom	22	116	42	180	27	26	8	347	13			1	6	23	16	1	11			479	1156
United States	24	497	8	529	10	73	149	135	21	9	3		9	160	19	33	205	14		840	2093
Uruguay																					210
Viet Nam																					31
WMO								3												3	3
Yemen																					0
Zambia																					0
Zimbabwe																					0
	1010	2882	207	4099	656	409	498	2339	224	92	45	226	144	399	502	61	562	61	8	6226	Grand total
	14492	4099			6226																
Total General Physics		Total RI			Total Chemistry																
																				24817	

Acronyms used in this document

AUV	Acoustics, Ultrasound and Vibration
AUV A	Acoustics, Ultrasound and Vibration; Sound in air
AUV W	Acoustics, Ultrasound and Vibration; Sound in water
AUV V	Acoustics, Ultrasound and Vibration; Vibration
EM	Electricity and Magnetism
EM Matrices	Usage of the presentation in tables of uncertainty ranges
L	Length
L Laser	Length; Laser
L DimMet	Length; Dimensional Metrology
M	Mass and Related Quantities
M Mass 1	Mass and Related Quantities; Mass Standards (Service Category No 1)
M Dens 2	Mass and Related Quantities; Density (Service Category No 2)
M Pres 3	Mass and Related Quantities; Pressure (Service Category No 3)
M F 4	Mass and Related Quantities; Force (Service Category No 4)
M Torq 5	Mass and Related Quantities; Torque (Service Category No 5)
M Visc 6	Mass and Related Quantities; Viscosity (Service Category No 6)
M H 7	Mass and Related Quantities; Hardness (Service Category No 7)
M Grav 8	Mass and Related Quantities; Gravity (Service Category No 8)
M FF 9	Mass and Related Quantities; Fluid Flow (Service Category No 9)
PR	Photometry and Radiometry
QM	Chemistry
QM / 1	Chemistry; High purity chemicals (Service Category No 1)
QM / 2	Chemistry; Inorganic solutions (Service Category No 2)
QM / 3	Chemistry; Organic solutions (Service Category No 3)
QM / 4	Chemistry; Gases (Service Category No 4)
QM / 5	Chemistry; Water (Service Category No 5)
QM / 6	Chemistry; pH (Service Category No 6)
QM / 7	Chemistry; Electrolytic conductivity (Service Category No 7)
QM / 8	Chemistry; Metal and metal alloys (Service Category No 8)
QM / 9	Chemistry; Advanced materials (Service Category No 9)
QM / 10	Chemistry; Biological fluids and materials (Service Category No 10)
QM / 11	Chemistry; Food (Service Category No 11)
QM / 12	Chemistry; Fuels (Service Category No 12)
QM / 13	Chemistry; Sediments, soils, ores, and particulates (Service Category No 13)
QM / 14	Chemistry; Other materials (Service Category No 14)
QM / 15	Chemistry; Surfaces, films, and engineered nanomaterials (Service Category No 15)
RI	Ionizing radiation
RI(I) 1	Ionizing radiation; Dosimetry (Service Category No 1)
RI(II) 2	Ionizing radiation; Radioactivity (Service Category No 2)
RI(III) 3	Ionizing radiation; Neutron measurements (Service Category No 3)
T	Thermometry
TF	Time and Frequency
<p>Note that one 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.</p>	