

COMPARISONS SIM
Information taken from BIPM

ID	Metrology	Description	Measurand	Participants	Comparison type	Status	Link to BIPM
SIM.AUV.A-K1	Acoustics, Ultrasound, and Vibration	Comparison of laboratory standard microphone calibrations	Sound pressure	CENAM, INMETRO, INTI, NIST, NRC	Key comparison	Approved for equivalence	SIM.AUV.A-K1
SIM.AUV.A-K1.PREV	Acoustics, Ultrasound, and Vibration	Sound pressure in air	Sound pressure	CENAM, DPLA, INMETRO, INTI	Key comparison	Approved for provisional equivalence	SIM.AUV.A-K1.PREV
SIM.AUV.A-S1	Acoustics, Ultrasound, and Vibration	Comparison of pistonphone acoustical calibrators	Sound pressure level	CENAM, INMETRO, INTI, NIST, NRC	Supplementary comparison	Report in progress, Draft B	SIM.AUV.A-S1
SIM.AUV.V-K1	Acoustics, Ultrasound, and Vibration	Vibration acceleration	Vibration acceleration	CENAM, INMETRO, INTI, NIST, NRC	Key comparison	Approved for equivalence	SIM.AUV.V-K1
SIM.AUV.V-K1.1	Acoustics, Ultrasound, and Vibration	Vibration acceleration	Charge sensitivity	CENAM, INMETRO	Key comparison	Report in progress, Draft B	SIM.AUV.V-K1.1
SIM.QM-S1	Amount of Substance, Gases	Analysis of ten binary mixtures	Amount-of-substance fraction of: CO in N2, 5 values from 50 µmol/mol to 80000 µmol/mol CO2 in N2, 70000 µmol/mol NO in N2: 100 µmol/mol and 1500 µmol/mol C3H8 in N2: 250 µmol/mol and 1000 µmol/mol	CENAM, NIST	Supplementary comparison	Approved and published	SIM.QM-S1
SIM.QM-S2	Amount of Substance, Inorganics	Trace elements in water	Mass fractions of Cd (1 ng/g to 5 ng/g), Ni (50 ng/g to 80 ng/g), Pb (5 ng/g to 30 ng/g) and Ca (5 mg/kg to 25 mg/kg)	CENAM, GL, HSA, INDECOPI, INM(RO), INMETRO, INTI, NIST, NIMT, NRC, UME, VNIIM	Supplementary comparison	In progress	SIM.QM-S2
SIM.QM-K1	Amount of Substance, Organics	Ethanol in aqueous matrices	Amount-of-substance fraction of Ethanol in aqueous matrices	No participants yet determined	Key comparison	Report in progress, Draft B	SIM.QM-K1
SIM.EM-K5	Electricity and Magnetism, AC Voltage, Current, Power, and AC/DC Transfer	AC power at 50/60 Hz	Active and reactive power: 120 V, 5 A, at 50 Hz, 53 Hz and 60 Hz	CENAM, CENAMEP AIP, ICE, INDECOPI, INMETRO, INTI, LCPN-ME, NIST, NRC, UTE	Key comparison	In progress	SIM.EM-K5
SIM.EM- K6.a	Electricity and Magnetism, AC Voltage, Current, Power, and AC/DC Transfer	Comparison of AC/DC voltage transfer standards	AC/DC voltage transfer difference	CENAM, INMETRO, NIST, NRC, UTE	Key comparison	Approved for equivalence	SIM.EM- K6.a
SIM.EM-K9	Electricity and Magnetism, AC Voltage, Current, Power, and AC/DC Transfer	Comparison of AC/DC voltage transfer difference	AC/DC voltage transfer difference	CENAM, INMETRO, INTI, NIST, NRC, UTE	Key comparison	Approved for equivalence	SIM.EM-K9
SIM.EM-S2	Electricity and Magnetism, AC Voltage, Current, Power, and AC/DC Transfer	AC energy at 50 Hz and 60 Hz	AC energy; 120 V, 5 A, at 50 Hz and 60 Hz	CENAM, CONACYT, ICE, INMETRO, INTI, INTN, NIST, NRC, SENACYT, SNM	Supplementary comparison	Approved and published	SIM.EM-S2
SIM.EM-S7	Electricity and Magnetism, AC Voltage, Current, Power, and AC/DC Transfer	AC energy at 50 Hz and 60 Hz	AC energy; 120 V, 5 A, at 50 Hz, 53 Hz and 60 Hz	CENAM, CENAMEP AIP, ICE, INDECOPI, INMETRO, INTI, LCPN-ME, NIST, NRC, UTE	Supplementary comparison	In progress	SIM.EM-S7

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SIM.EM-K12	Electricity and Magnetism, AC Voltage, Current, Power, and AC/DC Transfer	Comparison of AC/DC current transfer standards	AC/DC current transfer difference	CENAM, ICE, INMETRO, INTI, NIST, NRC, SIC, UTE	Key comparison	In progress	SIM.EM-K12
SIM.EM-K11	Electricity and Magnetism, AC Voltage, Current, Power, and AC/DC Transfer	AC/DC voltage transfer difference at low voltages	AC/DC voltage transfer difference	CENAM, INMETRO, INTI, NIST, NRC, UTE	Key comparison	Approved for equivalence	SIM.EM-K11
SIM.EM-K4	Electricity and Magnetism, Capacitance	Comparison of capacitors	Capacitance: 10 pF	CENAM, ICE, INMETRO, INTI, NIST, NRC, UTE	Key comparison	Report in progress, Draft B	SIM.EM-K4
SIM.EM-S3	Electricity and Magnetism, Capacitance	Comparison of capacitors	Capacitance: 1000 pF	CENAM, ICE, INMETRO, INTI, NIST, NRC, UTE	Supplementary comparison	Report in progress, Draft B	SIM.EM-S3
SIM.EM-S4	Electricity and Magnetism, Capacitance	Comparison of capacitors	Capacitance: 100 pF	CENAM, ICE, INMETRO, INTI, NIST, NRC, UTE	Supplementary comparison	Report in progress, Draft B	SIM.EM-S4
SIM.EM.BIPM-K11.b	Electricity and Magnetism, DC Voltage and Current	DC voltage, Josephson standards via Zener diodes	DC voltage: 10 V	CENAM, NIST	Key comparison	Approved for equivalence	SIM.EM.BIPM-K11.b
SIM.EM-S1	Electricity and Magnetism, DC Voltage and Current	Comparison of DC and low-frequency electrical quantities (voltage, current and resistance)	DC voltage, AC voltage, DC current, AC current and DC resistance	AEROMAN, BSJ, CENAM, CMFT, CONACYT, ICAITI, ICE, INEN, INMETRO, INN, INTI, INTN, LATU, LPMP, UTP, NIST, NRC, SIC, T&TBS, USAC	Supplementary comparison	Published	SIM.EM-S1
SIM.EM-S5	Electricity and Magnetism, DC Voltage and Current	Electricity and Magnetism, DC Voltage and Current Description Comparison of DC and low-frequency electrical quantities (voltage, current and resistance)	DC voltage: 100 mV, 10 V AC voltage: 1 V at 1 kHz, 10 V at 100 kHz, 100 V at 55 Hz DC current: 10 mA AC current: 1 A at 55 Hz DC resistance: 10 ohm, 100 kohm	CENAM, CENAMEP AIP, CMFT, CONACYT, ICE, INMETRO, INTI, LCPN-ME, NIST, NRC, SNM, UTE	Supplementary comparison	Report in progress, Draft A	SIM.EM-S5
SIM.EM.BIPM-K10.b	Electricity and Magnetism, DC Voltage and Current	DC voltage, Josephson standards	DC voltage: 10 V (direct comparison of Josephson voltage standards)	NIST, NRC	Key comparison	Approved for equivalence	SIM.EM.BIPM-K10.b
SIM.EM.BIPM-K10.b.1	Electricity and Magnetism, DC Voltage and Current	DC voltage, Josephson standards	DC voltage: 10 V (direct comparison of Josephson voltage standards)	INMETRO, NIST	Key comparison	Approved for equivalence	SIM.EM.BIPM-K10.b.1
SIM.EM-K3	Electricity and Magnetism, Inductance	Comparison of inductors	Inductance: 10 mH	CENAM, ICE, INMETRO, INTI, NIST, NRC, UTE	Key comparison	Report in progress, Draft A	SIM.EM-K3
SIM.EM-K1	Electricity and Magnetism, Resistance	Comparison of resistance standards	Resistance: 1 ohm	CENAM, INMETRO, INTI, NIST, NRC, UTE	Key comparison	Approved for equivalence	SIM.EM-K1
SIM.EM-K2	Electricity and Magnetism, Resistance	Comparison of resistance standards	Resistance: 1 gigaohm	CENAM, INMETRO, INTI, NIST, NRC, UTE	Key comparison	Approved for equivalence	SIM.EM-K2
SIM.EM-S6	Electricity and Magnetism, Resistance	Comparison of resistance standards	Resistance: 1 megaohm	CENAM, INMETRO, INTI, NIST, NRC, UTE	Supplementary comparison	Approved and published	SIM.EM-S6
SIM.RI(I)-K1	Ionizing Radiation, Section I (x and gamma rays, electrons)	Measurement of air kerma for Cobalt 60	Air kerma	CNEA, IAEA, ININ, LNMRI, LSCD, NIST, NRC	Key comparison	Approved for equivalence	SIM.RI(I)-K1

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SIM.RI(I)-K3	Ionizing Radiation, Section I (x and gamma rays, electrons)	Measurement of air kerma for medium energy X rays	Air kerma	CNEA, ININ, LNMRI, NIST, NRC	Key comparison	Report in progress, Draft A	SIM.RI(I)-K3
SIM.RI(I)-K4	Ionizing Radiation, Section I (x and gamma rays, electrons)	Measurement of absorbed dose to water for Cobalt 60	Absorbed dose to water	CNEA, IAEA, ININ, LNMRI, LSCD, NIST, NRC	Key comparison	Approved for equivalence	SIM.RI(I)-K4
SIM.RI(I)-S1	Ionizing Radiation, Section I (x and gamma rays, electrons)	Comparison of air kerma standards from radiation protection level Cs-137 and Co-60 gamma ray beams	Calibration coefficient Nk in gray per coulomb (Gy/C)	IAEA, NIST	Supplementary comparison	Approved and published	SIM.RI(I)-S1
SIM.RI(I)-K3.1	Ionizing Radiation, Section I (x and gamma rays, electrons)	Measurement of air kerma for medium energy X rays	Air kerma	KEBS, NIST	Key comparison	In progress	SIM.RI(I)-K3.1
SIM.L- S3.PREV	Length, Dimensional Metrology	Measurement of Rockwell hardness indenter geometry	Tip radius, cone angle, form	CNR-IMGC, MPA-NRW, NIM, NIST, NMIJ, UM	Supplementary comparison	Published	SIM.L- S3.PREV
SIM.L-K1	Length, Dimensional Metrology	Gauge blocks by interferometry	Central length: 2 mm to 100 mm	CEM, CENAM, INMETRO, INTI, NIST, NRC	Key comparison	Approved for equivalence	SIM.L-K1
SIM.L-K1.PREV	Length, Dimensional Metrology	Gauge blocks by interferometry	Length up to 100 mm	CENAM, NIST, NRC, QETE	Key comparison	Approved for provisional equivalence	SIM.L-K1.PREV
SIM.L-K1.2007	Length, Dimensional Metrology	Gauge blocks by interferometry	Central length: 1 mm to 100 mm	CEM, CENAM, CMI, INMETRO, INTI, NIST, NMISA, NPLI, NRC	Key comparison	In progress	SIM.L-K1.2007
SIM.L-K3.2008	Length, Dimensional Metrology	Angle standards	Plane angle	CENAM, GUM, INMETRO, INTI, NIST, NPLI, NRC	Key comparison	In progress	SIM.L-K3.2008
SIM.L-K4	Length, Dimensional Metrology	Diameter standards	Internal diameter: 12 mm to 75 mm External diameter: 3 mm to 50 mm	CENAM, INMETRO, INTI, NIST, NRC	Key comparison	In progress	SIM.L-K4
SIM.L-K6.PREV	Length, Dimensional Metrology	Two-dimensional coordinate measuring machine artefacts	Coordinates in a 2-dimension orthogonal system	CMI, CSIR-NML, CSIRO-NML, NRC, OMH, PTB	Key comparison	Approved for provisional equivalence	SIM.L-K6.PREV
SIM.L-S1	Length, Dimensional Metrology	Gauge blocks by mechanical comparison	Central length: 2 mm to 100 mm	CEM, INDECOPI, INMETRO, INTI, LCPN-DICTUC, LPMP-UTP, NIST, NRC, SIC	Supplementary comparison	Approved and published	SIM.L-S1
SIM.L-S1.PREV	Length, Dimensional Metrology	Short gauge blocks by mechanical comparison	Length up to 100 mm	CCCM, CEM, CEN(CU), CERTI, CIDESI, CI-UNAM, INDECOPI, INMETRO, INTI, PTB, SANAMET, TPYCEA	Supplementary comparison	Published	SIM.L-S1.PREV
SIM.L-S2	Length, Dimensional Metrology	Comparison of surface roughness and step height (depth) standards	Surface roughness, nominal values: 0.20 µm and 3 µm Step height, nominal values: 2.55 µm, 0.38 µm and 0.030 µm	CENAM, INMETRO, INTI, NIST, NRC	Supplementary comparison	Approved and published	SIM.L-S2
SIM.L-S3.PREV	Length, Dimensional Metrology	Measurement of Rockwell hardness indenter geometry	Tip radius, cone angle, form	CNR-IMGC, MPA-NRW, NIM, NIST, NMIJ, UM	Supplementary comparison	Published	SIM.L-S3.PREV
SIM.L-S4.PREV	Length, Dimensional Metrology	Linewidth standards	Linewidth, spacewidth, pitch	NIST, NPL	Supplementary comparison	Published	SIM.L-S4.PREV
SIM.L-S5	Length, Dimensional Metrology	Nanometrology: one-dimensional grating pitch calibration by optical diffraction	Pitch of gratings: 700 nm and 4000 nm	CMS/ITRI, METAS, NRC, PTB	Supplementary comparison	Approved and published	SIM.L-S5

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SIM.L-S6	Length, Dimensional Metrology	Gauge blocks by mechanical comparison	Central length: 1 mm to 100 mm	CEM, CENAM, CMI, INMETRO, INTI, NIST, NMISA, NPLI, NRC	Supplementary comparison	In progress	SIM.L-S6
SIM.M.D-K3	Mass, Density	Volume of solid weights	Volume of solids: 250 cm ³ , 125 cm ³ , 25 cm ³ , 0.125 cm ³	CENAM, CESMEC, INMETRO, INTI, LACOMET, LATU, NRC	Key comparison	In progress	SIM.M.D-K3
SIM.M.D-K4	Mass, Density	Comparison of the calibration of density hydrometers	Density: 600 kg/m ³ to 1300 kg/m ³	BSJ, CENAM, CENAMEP AIP, CESMEC, IBMETRO, INDECOPI, INEN, INMETRO, INTI, LACOMET, LATU, NIST, NRC, SIC	Key comparison	Approved for equivalence	SIM.M.D-K4
SIM.M.D-S1	Mass, Density	Comparison of the calibration of hydrometers for liquid density determination (bilateral CENAM - INRIM)	Density: 0.8000 g/cm ³ to 0.8200 g/cm ³ , and 1.1800 g/cm ³ to 1.2000 g/cm ³	CENAM, INRIM	Supplementary comparison	Approved and published	SIM.M.D-S1
SIM.M.D-S2	Mass, Density	Comparison of the calibration of hydrometers for liquid density determination (bilateral INMETRO - INRIM)	Density: 0.8000 g/cm ³ to 0.8200 g/cm ³ , and 0.9900 g/cm ³ to 1.0000 g/cm ³	INMETRO, INRIM	Supplementary comparison	Approved and published	SIM.M.D-S2
SIM.M.D-S3	Mass, Density	Comparison of volume of solids by hydrostatic weighing (bilateral INMETRO - CENAM)	Volume: ~ 2 cm ³	CENAM, INMETRO	Supplementary comparison	Approved and published	SIM.M.D-S3
SIM.M.FF-K4	Mass, Fluid Flow	Liquid volume	Water volume: 100 mL and 20 L	BSJ, CENAM, CENAMEP AIP, CESMEC, IBMETRO, INDECOPI, INMETRO, INTI, LACOMET, LATU, NIST	Key comparison	Approved for equivalence	SIM.M.FF-K4
SIM.M.FF-S1	Mass, Fluid Flow	Liquid volume: 50 ml and 100 ml	Liquid volume: 50 ml and 100 ml	CENAM, NIST, NRC	Supplementary comparison	Published	SIM.M.FF-S1
SIM.M.FF-S4	Mass, Fluid Flow	Volume of liquids	Water volume: 1 L	INIMET, INMETRO, PTB	Supplementary comparison	Report in progress, Draft B	SIM.M.FF-S4
SIM.M.F-S1	Mass, Force	Calibration of force testing machines in compression	Force: 10 kN to 100 kN	CENAM, CENAMEP AIP, IBMETRO, IDIC, INDECOPI, INEN, INMETRO, INTI, INTN, LATU, SIC	Supplementary comparison	Protocol complete	SIM.M.F-S1
SIM.M.M-K1	Mass, Mass Standards	Comparison of mass standards	Mass: 1 kg	CENAM, CESMEC, INMETRO, INTI, LACOMET, LATU, NRC	Key comparison	In progress	SIM.M.M-K1
SIM.M.M-K5	Mass, Mass Standards	Comparison of mass standards	Mass: 200 mg, 1 g, 50 g, 200 g and 2 kg	CENAM, CESMEC, INMETRO, INTI, LACOMET, LATU, NRC	Key comparison	In progress	SIM.M.M-K5
SIM.M.M-S1	Mass, Mass Standards	Comparison of mass standards	Mass: 100 mg, 5 g, 20 g, 100 g, and 1 kg	CEM, CENAM, IBMETRO, INDECOPI, INEN, SENCAMER, SIC	Supplementary comparison	Approved and published	SIM.M.M-S1
SIM.M.M-S2	Mass, Mass Standards	Comparison of mass standards	Mass: 200 mg, 1 g, 50 g, 200 g, 1 kg, and 2 kg	BSJ, CENAM, CESMEC, IBMETRO, INDECOPI, INTN, LACOMET	Supplementary comparison	Approved and published	SIM.M.M-S2
SIM.M.M-S3	Mass, Mass Standards	Comparison of mass standards	Mass: 100 mg, 20 g, and 1 kg	CESMEC, IBMETRO, INTN	Supplementary comparison	Approved and published	SIM.M.M-S3
SIM.M.M-S4	Mass, Mass Standards	Comparison of mass standards	Mass: 100 g and 1000 g	CENAM, INEN	Supplementary comparison	Approved and published	SIM.M.M-S4
SIM.M.M-S5	Mass, Mass Standards	Comparison of mass standards	Mass: 1 kg, 100 g, 10 g, and 1 g	CENAM, INTI	Supplementary comparison	Approved and published	SIM.M.M-S5
SIM.M.M-S6	Mass, Mass Standards	Comparison of mass standards	Mass: 10 kg, 2 kg, 1 kg, 200 g, 50 g, 1 g, 200 mg	CENAMEP AIP, CESMEC	Supplementary comparison	Approved and published	SIM.M.M-S6

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SIM.M.M-S7	Mass, Mass Standards	Comparison of mass standards	Mass: 2 kg, 1 kg, 200 g, 50 g, 1 g, 200 mg	BNSI, BSJ, GDBS, GNBS, SLBS, SVGBS, TTBS	Supplementary comparison	Approved and published	SIM.M.M-S7
SIM.M.M-S8	Mass, Mass Standards	Comparison of mass standards	Mass: 1 kg, 200 g, 20 g, 2 g, and 100 mg	CESMES, INEN	Supplementary comparison	Approved and published	SIM.M.M-S8
SIM.M.M-S9	Mass, Mass Standards	Determination of the susceptibility and magnetic polarization of weights by means of the susceptometer method	Susceptibility (< 1) and magnetic polarization (< 25 μ T)	CENAM, CENAMEP AIP, CESMEC, INDECOPI, INTI, LACOMET, LATU, SIC	Supplementary comparison	Protocol complete	SIM.M.M-S9
APMP.SIM.M.P-K1.c	Mass, Pressure	Pressure measurements in gas (gauge mode)	Effective area of piston-cylinder units	NIST, NPLI	Key comparison	Approved for equivalence	APMP.SIM.M.P-K1.c
APMP-SIM.M.P-K7	Mass, Pressure	Pressure measurements in oil (gauge mode)	Effective area of a piston-cylinder unit	NIST, NPLI	Key comparison	Approved for equivalence	APMP-SIM.M.P-K7
SIM.M.P-K1	Mass, Pressure	Pneumatic pressure measurements (gauge mode)	Effective area of a piston-cylinder unit	BSJ, CENAM, CENAMEP AIP, INDECOPI, INMETRO, INTI, LACOMET, LCPN-P, NIST, NRC, SIC	Key comparison	Protocol complete	SIM.M.P-K1
SIM.M.P-K1.c	Mass, Pressure	Pressure measurements (gauge mode)	Pressure: 0.6 MPa to 7 MPa	BSJ, CENAM, CENAMEP AIP, INMETRO, INDECOPI, INEN, INMETRO, INTI, INTN, LACOMET, LANAMET, LATU, LCPN-P, NIST, NRC, SIC	Key comparison	Planned	SIM.M.P-K1.c
SIM.M.P-K2	Mass, Pressure	Pressure measurements (absolute mode)	Pressure: 10 kPa to 120 kPa	BSJ, CENAM, CENAMEP AIP, INMETRO, INDECOPI, INEN, INMETRO, INTI, INTN, LACOMET, LANAMET, LATU, LCPN-P, NIST, NRC, SIC	Key comparison	Planned	SIM.M.P-K2
SIM-EUROMET.M.P-BK3	Mass, Pressure	Pressure measurements in gas (absolute mode)	Pressure: 3 mPa to 0.9 Pa	CENAM, PTB	Key comparison	Approved for equivalence	SIM-EUROMET.M.P-BK3
SIM-EUROMET.M.P-BK4	Mass, Pressure	Pressure measurements in liquid (gauge mode)	Pressure: 10 MPa to 100 MPa	CENAM, PTB	Key comparison	Approved and published	SIM-EUROMET.M.P-BK4
SIM.M.P-K6	Mass, Pressure	Pneumatic pressure measurements (gauge mode)	Effective area of a piston-cylinder unit	BSJ, CENAM, CENAMEP AIP, INDECOPI, INMETRO, INTI, LACOMET, LCPN-P, NIST, NRC, SIC	Key comparison	In progress	SIM.M.P-K6
SIM.M.P-K6.1	Mass, Pressure	Pressure measurements (gauge mode)	Pressure: 10 kPa to 100 kPa	BSJ, CENAM, CENAMEP AIP, INMETRO, INDECOPI, INEN, INMETRO, INTI, INTN, LACOMET, LANAMET, LATU, LCPN-P, NIST, NRC, SIC	Key comparison	Planned	SIM.M.P-K6.1
SIM.M.P-K7	Mass, Pressure	Pressure measurements in liquid (gauge mode)	Pressure: 10 MPa to 100 MPa	BSJ, CCCM, CENAM, INMETRO, INTI, NIST, ONNUM	Key comparison	Report in progress, Draft B	SIM.M.P-K7
SIM.M.P-S1	Mass, Pressure	Pressure measurements (absolute mode)	Pressure: 100 Pa to 70 kPa	NIST, NPLI	Supplementary comparison	Report in progress, Draft A	SIM.M.P-S1
SIM.M.P-S2	Mass, Pressure	Pressure measurements (gauge mode)	Pressure: 20 kPa to 200 kPa	CENAM, INMETRO, LNE	Supplementary comparison	In progress	SIM.M.P-S2

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SIM.M.P-S3	Mass, Pressure	Pressure measurements (gauge mode)	Pressure: 34 kPa to 344 kPa	INDECOPI, LCPN-P	Supplementary comparison	Protocol complete	SIM.M.P-S3
SIM.M.P-S4	Mass, Pressure	Pressure measurements (gauge mode)	Pressure: 344.7 kPa to 3447.3 kPa	INDECOPI, LCPN-P	Supplementary comparison	Protocol complete	SIM.M.P-S4
SIM.M.P-S5	Mass, Pressure	Pressure measurements (negative gauge mode)	Pressure: 10 kPa to 100 kPa	BSJ, CENAM, CENAMEP AIP, INMETRO, INDECOPI, INEN, INMETRO, INTI, INTN, LACOMET, LANAMET, LATU, LCPN-P, NIST, NRC, SIC	Supplementary comparison	Planned	SIM.M.P-S5
SIM.M.P-S6	Mass, Pressure	Pressure measurements (low gauge pressure)	Pressure: 50 Pa to 500 Pa	CENAM, INTI	Supplementary comparison	Report in progress, Draft B	SIM.M.P-S6
SIM.M.V-S1	Mass, Viscosity	Comparison of viscosity standards	Viscosity	CENAM, INMETRO, INTI, LATU, PTB	Supplementary comparison	Approved and published	SIM.M.V-S1
SIM.PR-K4	Photometry and Radiometry, Photometry	Luminous flux	Luminous flux: 2500 lumen	CENAM, INMETRO, INTI, NIST, NRC	Key comparison	Report in progress, Draft B	SIM.PR-K4
SIM.PR-K6.PREV(1993)	Photometry and Radiometry, Properties of materials	Spectral regular transmittance	Spectral regular transmittance	INM, NIST, NRC, VNIIOFI	Key comparison	Approved for provisional equivalence	SIM.PR-K6.PREV(1993)
SIM.PR-K5.PREV(1997)	Photometry and Radiometry, Properties of materials	Spectral diffuse reflectance (Bilateral comparison)	Spectral diffuse reflectance	NRC, PTB	Key comparison	Approved for provisional equivalence	SIM.PR-K5.PREV(1997)
SIM.PR-K6.PREV(1990)	Photometry and Radiometry, Properties of materials	Spectral regular transmittance	Spectral regular transmittance	NIST, NPL, OMH, PTB	Key comparison	Approved for provisional equivalence	SIM.PR-K6.PREV(1990)
SIM.T-S2	Thermometry, Humidity	Realizations of local scales of dew/frost-point temperature of humid air	Dew-point temperature: -25 °C, -10 °C, 0 °C and 20 °C	NIST, NRC	Supplementary comparison	In progress	SIM.T-S2
SIM.T-S3	Thermometry, Humidity	Realizations of local scales of dew/frost-point temperature of humid air	Dew-point temperature: -20 °C, -10 °C, 0 °C and 20 °C	CENAM, NIST	Supplementary comparison	Report in progress, Draft B	SIM.T-S3
SIM.T-S4	Thermometry, Humidity	Realizations of local scales of dew/frost-point temperature of humid air	Dew-point temperature: -30 °C, -10 °C, 0 °C and 20 °C	INMETRO, NIST	Supplementary comparison	Report in progress, Draft B	SIM.T-S4
SIM.T-S1	Thermometry, Thermocouples	Comparison of Type K thermocouples	Temperature: 100 °C to 1100 °C	CENAM, CONACYT, IBMETRO, INDECOPI, INMETRO, INTI, LATU, LCPNT, NIST, NEC, SENCAMER	Supplementary comparison	Approved and published	SIM.T-S1