

CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3
Key comparison CCAUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
FREQUENCY : 31.5 Hz to 31.5 kHz

x_i : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)
Results from LNE have been corrected for nominal frequencies as described in section 3.2 of the Final Report.

u_i : combined standard uncertainty of x_i

Microphone: 1395456

Frequency \Rightarrow Lab i \Downarrow	31.5 Hz		63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz	
	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB
CENAM	-38.35	0.05	-38.38	0.05	-38.40	0.06	-38.43	0.06	-38.45	0.06	-38.46	0.06	-38.44	0.06	-38.32	0.06
DPLA	-38.378	0.08	-38.408	0.04	-38.436	0.03	-38.459	0.03	-38.479	0.03	-38.489	0.03	-38.470	0.03	-38.342	0.03
GUM	-	-	-38.43	0.05	-38.45	0.05	-38.46	0.05	-38.49	0.05	-38.49	0.05	-38.47	0.05	-38.34	0.05
KRISS	-38.369	0.06	-38.393	0.04	-38.418	0.03	-38.441	0.03	-38.460	0.03	-38.471	0.03	-38.452	0.03	-38.317	0.03
LNE	-38.365	0.042	-38.387	0.034	-38.413	0.031	-38.436	0.030	-38.456	0.030	-38.468	0.031	-38.449	0.033	-38.321	0.040
NIST	-38.366	0.08	-38.399	0.06	-38.427	0.06	-38.454	0.04	-38.476	0.04	-38.488	0.04	-38.472	0.04	-38.347	0.04
NMIJ	-38.39	0.30	-38.42	0.10	-38.45	0.09	-38.47	0.09	-38.50	0.09	-38.51	0.09	-38.49	0.09	-38.36	0.09
NPL	-38.36	0.06	-38.41	0.03	-38.44	0.03	-38.46	0.03	-38.48	0.03	-38.48	0.03	-38.47	0.03	-38.34	0.03
PTB	-38.37	0.04	-38.40	0.04	-38.43	0.04	-38.45	0.04	-38.47	0.04	-38.48	0.04	-38.46	0.04	-38.33	0.04

Key comparison CCAUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_i : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)
 Results from LNE have been corrected for nominal frequencies as described in section 3.2 of the Final Report.

u_i : combined standard uncertainty of x_i

Microphone: 1395456

Frequency \Rightarrow Lab i \Downarrow	6300 Hz		8000 Hz		10000 Hz		12500 Hz		16000 Hz		20000 Hz		25000 Hz		31500 Hz	
	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB
CENAM	-38.07	0.06	-37.84	0.05	-37.56	0.05	-37.33	0.05	-37.59	0.07	-39.09	0.17	-41.77	0.21	-44.76	0.37
DPLA	-38.085	0.03	-37.851	0.03	-37.567	0.03	-37.322	0.04	-37.559	0.05	-39.050	0.08	-41.764	0.14	-44.687	0.20
GUM	-38.10	0.05	-37.86	0.06	-37.57	0.07	-37.33	0.08	-37.59	0.09	-39.15	0.17	-	-	-	-
KRISS	-38.066	0.03	-37.829	0.03	-37.548	0.04	-37.311	0.05	-37.574	0.06	-39.042	0.08	-41.677	0.20	-46.113	1.20
LNE	-38.069	0.052	-37.832	0.063	-37.549	0.080	-37.313	0.100	-37.566	0.140	-39.015	0.190	-41.556	0.290	-47.045	0.820
NIST	-38.102	0.05	-37.873	0.05	-37.598	0.06	-37.368	0.06	-37.650	0.08	-39.170	0.13	-41.879	0.26	-	-
NMIJ	-38.10	0.09	-37.85	0.09	-37.57	0.09	-37.33	0.09	-37.59	0.09	-39.07	0.15	-41.69	0.19	-46.43	0.67
NPL	-38.09	0.04	-37.86	0.05	-37.58	0.06	-37.34	0.08	-37.58	0.10	-39.07	0.18	-42.28	0.66	-45.40	0.75
PTB	-38.08	0.04	-37.85	0.04	-37.57	0.06	-37.32	0.08	-37.60	0.12	-39.08	0.12	-41.84	0.15	-	-

Key comparison CCAUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_i : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)
 Results from LNE have been corrected for nominal frequencies as described in section 3.2 of the Final Report.

u_i : combined standard uncertainty of x_i

Microphone: 1627783

Frequency \Rightarrow Lab i \Downarrow	31.5 Hz		63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz	
	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB
CENAM	-38.75	0.05	-38.74	0.05	-38.75	0.06	-38.76	0.06	-38.77	0.06	-38.77	0.06	-38.75	0.06	-38.64	0.06
DPLA	-38.724	0.08	-38.741	0.04	-38.757	0.03	-38.771	0.03	-38.779	0.03	-38.780	0.03	-38.758	0.03	-38.653	0.03
GUM	-	-	-38.78	0.05	-38.79	0.05	-38.79	0.05	-38.79	0.05	-38.80	0.05	-38.77	0.05	-38.67	0.05
KRISS	-38.725	0.06	-38.734	0.04	-38.747	0.03	-38.760	0.03	-38.768	0.03	-38.769	0.03	-38.747	0.03	-38.635	0.03
LNE	-38.709	0.042	-38.725	0.034	-38.738	0.031	-38.750	0.030	-38.760	0.030	-38.762	0.031	-38.740	0.033	-38.635	0.040
NIST	-38.713	0.08	-38.736	0.06	-38.752	0.06	-38.765	0.04	-38.775	0.04	-38.777	0.04	-38.756	0.04	-38.649	0.04
NMIJ	-38.74	0.30	-38.75	0.10	-38.77	0.09	-38.78	0.09	-38.79	0.09	-38.80	0.09	-38.77	0.09	-38.67	0.09
NPL	-38.72	0.06	-38.74	0.03	-38.75	0.03	-38.77	0.03	-38.77	0.03	-38.77	0.03	-38.75	0.03	-38.65	0.03
PTB	-38.72	0.04	-38.73	0.04	-38.75	0.04	-38.76	0.04	-38.77	0.04	-38.77	0.04	-38.75	0.04	-38.65	0.04

Key comparison CCAUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_i : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)
 Results from LNE have been corrected for nominal frequencies as described in section 3.2 of the Final Report.

u_i : combined standard uncertainty of x_i

Microphone: 1627783

Frequency \Rightarrow Lab i \Downarrow	6300 Hz		8000 Hz		10000 Hz		12500 Hz		16000 Hz		20000 Hz		25000 Hz		31500 Hz	
	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB
CENAM	-38.45	0.06	-38.28	0.05	-38.09	0.05	-37.95	0.05	-38.22	0.07	-39.45	0.17	-41.68	0.21	-44.39	0.37
DPLA	-38.457	0.03	-38.290	0.03	-38.095	0.03	-37.958	0.04	-38.210	0.05	-39.438	0.08	-41.716	0.14	-44.443	0.20
GUM	-38.48	0.05	-38.30	0.06	-38.10	0.07	-37.95	0.08	-38.21	0.09	-39.47	0.17	-	-	-	-
KRISS	-38.442	0.03	-38.267	0.03	-38.075	0.04	-37.944	0.05	-38.231	0.06	-39.429	0.08	-41.664	0.20	-45.585	1.20
LNE	-38.434	0.052	-38.263	0.063	-38.068	0.080	-37.926	0.100	-38.200	0.140	-39.447	0.190	-41.816	0.290	-45.250	0.820
NIST	-38.460	0.05	-38.293	0.05	-38.102	0.06	-37.978	0.06	-38.294	0.08	-39.512	0.13	-41.724	0.26	-	-
NMIJ	-38.46	0.09	-38.27	0.09	-38.08	0.09	-37.95	0.09	-38.23	0.09	-39.43	0.15	-41.72	0.19	-46.07	0.67
NPL	-38.45	0.04	-38.29	0.05	-38.10	0.06	-37.96	0.08	-38.22	0.10	-39.37	0.18	-41.64	0.66	-45.13	0.75
PTB	-38.46	0.04	-38.29	0.04	-38.10	0.06	-37.97	0.08	-38.25	0.12	-39.45	0.12	-41.74	0.15	-	-

Key comparison CCAUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_i : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)
 Results from NIM and INMETRO have been corrected for nominal frequencies as described in section 3.2 of the Final Report.

u_i : combined standard uncertainty of x_i

Microphone: 1124046

Frequency \Rightarrow Lab i \Downarrow	31.5 Hz		63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz	
	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB
CENAM	-38.038	0.05	-38.054	0.05	-38.066	0.06	-38.076	0.06	-38.081	0.06	-38.082	0.06	-38.064	0.06	-37.979	0.06
NMIA	-38.06	0.06	-38.08	0.04	-38.09	0.04	-38.10	0.04	-38.11	0.04	-38.11	0.04	-38.09	0.04	-38.00	0.04
DPLA	-38.056	0.08	-38.079	0.04	-38.092	0.03	-38.103	0.03	-38.108	0.03	-38.107	0.03	-38.088	0.03	-38.003	0.03
INMETRO	-38.057	0.059	-38.078	0.046	-38.093	0.046	-38.103	0.045	-38.108	0.045	-38.108	0.045	-38.088	0.045	-38.001	0.045
NIM	-38.065	0.08	-38.086	0.05	-38.102	0.05	-38.112	0.05	-38.118	0.05	-38.118	0.05	-38.099	0.05	-38.014	0.05
NRC	-	-	-38.084	0.05	-38.097	0.05	-38.109	0.04	-38.116	0.04	-38.116	0.04	-38.099	0.04	-38.019	0.04
UME	-38.050	0.08	-38.073	0.08	-38.087	0.08	-38.098	0.08	-38.104	0.08	-38.104	0.08	-38.085	0.08	-37.998	0.08
VNIIFTRI	-38.08	0.14	-38.09	0.07	-38.11	0.04	-38.12	0.04	-38.12	0.04	-38.12	0.04	-38.10	0.04	-38.02	0.04
DPLA*	-38.069	0.08	-38.091	0.04	-38.105	0.03	-38.114	0.03	-38.118	0.03	-38.116	0.03	-38.098	0.03	-38.011	0.03
NPLI*	-38.070	0.10	-38.080	0.10	-38.090	0.10	-38.100	0.10	-38.110	0.10	-38.110	0.10	-38.090	0.10	-38.001	0.10

* participants in the bilateral comparison DPLA-NPLI, conducted as an extension of key comparison CCAUV.A-K3

Key comparison CCAUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_i : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)
 Results from NIM and INMETRO have been corrected for nominal frequencies as described in section 3.2 of the Final Report.

u_i : combined standard uncertainty of x_i

Microphone: 1124046

Frequency \Rightarrow Lab i \Downarrow	6300 Hz		8000 Hz		10000 Hz		12500 Hz		16000 Hz		20000 Hz		25000 Hz		31500 Hz	
	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB
CENAM	-37.825	0.06	-37.697	0.05	-37.565	0.05	-37.510	0.05	-37.857	0.07	-39.060	0.17	-41.195	0.21	-43.938	0.37
NMIA	-37.84	0.04	-37.71	0.04	-37.57	0.05	-37.51	0.05	-37.84	0.05	-39.02	0.06	-41.22	0.08	-43.84	0.22
DPLA	-37.846	0.03	-37.720	0.03	-37.584	0.03	-37.519	0.04	-37.873	0.05	-39.020	0.08	-41.209	0.14	-43.914	0.20
INMETRO	-37.846	0.047	-37.715	0.055	-37.576	0.074	-37.513	0.085	-37.840	0.115	-38.988	0.126	-41.104	0.167	-	-
NIM	-37.859	0.05	-37.729	0.05	-37.595	0.05	-37.544	0.10	-37.880	0.10	-39.063	0.10	-41.231	0.12	-	-
NRC	-37.875	0.04	-37.755	0.04	-37.634	0.10	-37.592	0.12	-37.944	0.14	-39.134	0.17	-	-	-	-
UME	-37.839	0.08	-37.712	0.09	-37.568	0.10	-37.508	0.11	-37.815	0.12	-38.997	0.17	-41.226	0.20	-	-
VNIIFTRI	-37.86	0.04	-37.73	0.05	-37.59	0.06	-37.52	0.09	-37.84	0.13	-39.00	0.18	-41.09	0.31	-45.79	0.96
DPLA*	-37.852	0.03	-37.721	0.03	-37.579	0.03	-37.512	0.04	-37.845	0.05	-39.005	0.08	-41.216	0.14	-41.914	0.20
NPLI*	-37.839	0.10	-37.694	0.10	-37.560	0.10	-37.471	0.10	-37.762	0.10	-38.972	0.10	-41.355	0.14	-	-

* participants in the bilateral comparison DPLA-NPLI, conducted as an extension of key comparison CCAUV.A-K3

Key comparison CCAUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_i : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)
 Results from NIM and INMETRO have been corrected for nominal frequencies as described in section 3.2 of the Final Report.

u_i : combined standard uncertainty of x_i

Microphone: 1395455

Frequency \Rightarrow Lab i \Downarrow	31.5 Hz		63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz	
	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB
CENAM	-38.352	0.05	-38.373	0.05	-38.390	0.06	-38.404	0.06	-38.414	0.06	-38.415	0.06	-38.389	0.06	-38.269	0.06
NMIA	-38.35	0.06	-38.37	0.04	-38.39	0.04	-38.40	0.04	-38.41	0.04	-38.41	0.04	-38.38	0.04	-38.26	0.04
DPLA	-38.348	0.08	-38.372	0.04	-38.392	0.03	-38.409	0.03	-38.417	0.03	-38.419	0.03	-38.394	0.03	-38.274	0.03
INMETRO	-38.347	0.059	-38.370	0.046	-38.390	0.046	-38.404	0.045	-38.414	0.045	-38.415	0.045	-38.389	0.045	-38.267	0.045
NIM	-38.355	0.08	-38.379	0.05	-38.399	0.05	-38.414	0.05	-38.424	0.05	-38.426	0.05	-38.401	0.05	-38.279	0.05
NRC	-	-	-38.376	0.05	-38.395	0.05	-38.411	0.04	-38.420	0.04	-38.423	0.04	-38.399	0.04	-38.284	0.04
UME	-38.338	0.08	-38.363	0.08	-38.382	0.08	-38.397	0.08	-38.407	0.08	-38.408	0.08	-38.383	0.08	-38.262	0.08
VNIIFTRI	-38.37	0.14	-38.38	0.07	-38.40	0.04	-38.42	0.04	-38.42	0.04	-38.43	0.04	-38.40	0.04	-38.28	0.04
DPLA*	-38.350	0.08	-38.372	0.04	-38.389	0.03	-38.403	0.03	-38.411	0.03	-38.412	0.03	-38.385	0.03	-38.264	0.03
NPLI*	-38.330	0.10	-38.350	0.10	-38.370	0.10	-38.380	0.10	-38.390	0.10	-38.400	0.10	-38.370	0.10	-38.251	0.10

* participants in the bilateral comparison DPLA-NPLI, conducted as an extension of key comparison CCAUV.A-K3

Key comparison CCAUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_i : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)
 Results from NIM and INMETRO have been corrected for nominal frequencies as described in section 3.2 of the Final Report.

u_i : combined standard uncertainty of x_i

Microphone: 1395455

Frequency \Rightarrow Lab i \Downarrow	6300 Hz		8000 Hz		10000 Hz		12500 Hz		16000 Hz		20000 Hz		25000 Hz		31500 Hz	
	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB	x_i / dB	$2u_i$ / dB
CENAM	-38.041	0.06	-37.841	0.05	-37.615	0.05	-37.456	0.05	-37.794	0.07	-39.238	0.17	-41.774	0.21	-44.692	0.37
NMIA	-38.04	0.04	-37.83	0.04	-37.60	0.05	-37.44	0.05	-37.78	0.05	-39.22	0.06	-41.76	0.08	-44.57	0.22
DPLA	-38.047	0.03	-37.851	0.03	-37.623	0.03	-37.462	0.04	-37.783	0.05	-39.202	0.08	-41.755	0.14	-44.508	0.20
INMETRO	-38.041	0.047	-37.841	0.055	-37.612	0.074	-37.450	0.085	-37.780	0.115	-39.194	0.126	-41.681	0.167	-	-
NIM	-38.053	0.05	-37.853	0.05	-37.623	0.05	-37.476	0.10	-37.810	0.10	-39.261	0.10	-41.760	0.12	-	-
NRC	-38.071	0.04	-37.880	0.04	-37.666	0.10	-37.524	0.12	-37.882	0.14	-39.316	0.17	-	-	-	-
UME	-38.031	0.08	-37.839	0.09	-37.599	0.10	-37.436	0.11	-37.740	0.12	-39.185	0.17	-41.820	0.20	-	-
VNIIFTRI	-38.06	0.04	-37.86	0.05	-37.63	0.06	-37.47	0.09	-37.79	0.13	-39.20	0.18	-41.68	0.31	-46.54	0.96
DPLA*	-38.038	0.03	-37.836	0.03	-37.613	0.03	-37.452	0.04	-37.781	0.05	-39.199	0.08	-41.741	0.14	-44.478	0.20
NPLI*	-38.019	0.10	-37.817	0.10	-37.590	0.10	-37.409	0.10	-37.697	0.10	-39.198	0.10	-42.009	0.14	-	-

* participants in the bilateral comparison DPLA-NPLI, conducted as an extension of key comparison CCAUV.A-K3

Key comparison COOMET.AUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_{i-coo} : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)

u_{i-coo} : combined standard uncertainty of x_i

A sudden change of the sensitivity of microphone 1503926 occurred during the course of the comparison.

Microphone: 1503926 (before change of sensitivity)

Frequency \Rightarrow Lab i \Downarrow	31.5 Hz		63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz	
	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB
DPLA	-38.874	0.08	-38.890	0.04	-38.906	0.03	-38.918	0.03	-38.924	0.03	-38.925	0.03	-38.897	0.03	-38.772	0.03
GUM	-	-	-38.900	0.05	-38.920	0.05	-38.920	0.05	-38.930	0.05	-38.920	0.05	-38.900	0.05	-38.780	0.05
DNDI "Systema"	-38.920	0.09	-38.920	0.08	-38.930	0.07	-38.950	0.07	-38.950	0.06	-38.950	0.06	-38.920	0.06	-38.800	0.06

Microphone: 1503926 (after change of sensitivity)

Frequency \Rightarrow Lab i \Downarrow	31.5 Hz		63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz	
	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB
DPLA	-38.802	0.08	-38.821	0.04	-38.839	0.03	-38.851	0.03	-38.860	0.03	-38.860	0.03	-38.833	0.03	-38.711	0.03
VNIIFTRI	-38.772	0.14	-38.783	0.07	-38.798	0.04	-38.812	0.04	-38.821	0.04	-38.823	0.04	-38.797	0.04	-38.675	0.04
INM(RO)	-38.790	0.055	-38.812	0.055	-38.830	0.046	-38.843	0.046	-38.852	0.046	-38.851	0.046	-38.825	0.046	-38.695	0.046

Key comparison COOMET.AUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_{i-coo} : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)

u_{i-coo} : combined standard uncertainty of x_i

A sudden change of the sensitivity of microphone 1503926 occurred during the course of the comparison.

Microphone: 1503926 (before change of sensitivity)

Frequency \Rightarrow Lab i \Downarrow	6300 Hz		8000 Hz		10000 Hz		12500 Hz		16000 Hz		20000 Hz		25000 Hz		31500 Hz	
	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB
DPLA	-38.535	0.03	-38.319	0.03	-38.058	0.03	-37.812	0.04	-37.958	0.05	-39.159	0.08	-41.582	0.14	-44.390	0.20
GUM	-38.560	0.05	-38.340	0.06	-38.090	0.07	-37.840	0.08	-37.960	0.09	-39.130	0.17	-	-	-	-
DNDI "Systema"	-38.560	0.06	-38.350	0.07	-38.090	0.08	-37.850	0.09	-38.020	0.14	-39.210	0.2	-	-	-	-

Microphone: 1503926 (after change of sensitivity)

Frequency \Rightarrow Lab i \Downarrow	6300 Hz		8000 Hz		10000 Hz		12500 Hz		16000 Hz		20000 Hz		25000 Hz		31500 Hz	
	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB
DPLA	-38.478	0.03	-38.265	0.03	-38.015	0.03	-37.787	0.04	-37.962	0.05	-39.197	0.08	-41.593	0.14	-44.394	0.20
VNIIFTRI	-38.443	0.04	-38.231	0.05	-37.977	0.06	-37.751	0.09	-37.933	0.13	-39.175	0.18	-41.605	0.31	-45.111	0.96
INM(RO)	-38.461	0.046	-38.249	0.046	-37.991	0.046	-37.763	0.047	-37.970	0.085	-39.248	0.126	-	-	-45.994	0.218

Key comparison COOMET.AUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_{i-coo} : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)

u_{i-coo} : combined standard uncertainty of x_i

Microphone: 1503933

Frequency \Rightarrow Lab i \downarrow	31.5 Hz		63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz	
	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB
DPLA	-38.915	0.08	-38.934	0.04	-38.950	0.03	-38.960	0.03	-38.966	0.03	-38.964	0.03	-38.933	0.03	-38.803	0.03
GUM	-	-	-38.96	0.05	-38.97	0.05	-38.97	0.05	-38.98	0.05	-38.97	0.05	-38.95	0.05	-38.82	0.05
DNDI "Systema"	-38.99	0.09	-38.98	0.08	-38.99	0.07	-39.00	0.07	-39.00	0.06	-39.00	0.06	-38.96	0.06	-38.83	0.06
VNIIFTRI	-38.851	0.14	-38.859	0.07	-38.872	0.04	-38.882	0.04	-38.889	0.04	-38.887	0.04	-38.857	0.04	-38.728	0.04
INM(RO)	-38.891	0.055	-38.913	0.055	-38.928	0.046	-38.938	0.046	-38.944	0.046	-38.941	0.046	-38.91	0.046	-38.776	0.046

Frequency \Rightarrow Lab i \downarrow	6300 Hz		8000 Hz		10000 Hz		12500 Hz		16000 Hz		20000 Hz		25000 Hz		31500 Hz	
	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB
DPLA	-38.559	0.03	-38.337	0.03	-38.062	0.03	-37.807	0.04	-37.950	0.05	-39.186	0.08	-41.682	0.14	-44.577	0.20
GUM	-38.58	0.05	-38.36	0.06	-38.09	0.07	-37.82	0.08	-37.92	0.09	-39.11	0.17	-	-	-	-
DNDI "Systema"	-38.58	0.06	-38.36	0.07	-38.08	0.08	-37.82	0.09	-37.99	0.14	-39.24	0.2	-	-	-	-
VNIIFTRI	-38.485	0.04	-38.261	0.05	-37.988	0.06	-37.737	0.09	-37.896	0.13	-39.206	0.18	-41.822	0.31	-45.238	0.96
INM(RO)	-38.53	0.046	-38.306	0.046	-38.029	0.046	-37.776	0.047	-37.957	0.085	-39.259	0.126	-	-	-46.2	0.218

Key comparison COOMET.AUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_{i-coo} : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)

u_{i-coo} : combined standard uncertainty of x_i

Microphone: 1526170

Frequency \Rightarrow Lab i \Downarrow	31.5 Hz		63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz	
	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB
DPLA	-38.801	0.08	-38.826	0.04	-38.842	0.03	-38.855	0.03	-38.863	0.03	-38.865	0.03	-38.842	0.03	-38.738	0.03
VNIIFTRI	-38.767	0.14	-38.777	0.07	-38.793	0.04	-38.807	0.04	-38.816	0.04	-38.819	0.04	-38.798	0.04	-38.692	0.04
INM(RO)	-38.765	0.055	-38.789	0.055	-38.807	0.046	-38.820	0.046	-38.830	0.046	-38.832	0.046	-38.810	0.046	-38.697	0.046

Frequency \Rightarrow Lab i \Downarrow	6300 Hz		8000 Hz		10000 Hz		12500 Hz		16000 Hz		20000 Hz		25000 Hz		31500 Hz	
	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB	x_{i-coo} / dB	$2u_{i-coo}$ / dB
DPLA	-38.543	0.03	-38.371	0.03	-38.175	0.03	-38.031	0.04	-38.298	0.05	-39.523	0.08	-41.840	0.14	-44.565	0.20
VNIIFTRI	-38.493	0.04	-38.316	0.05	-38.116	0.06	-37.973	0.09	-38.255	0.13	-39.522	0.18	-41.942	0.31	-45.147	0.96
INM(RO)	-38.502	0.046	-38.331	0.046	-38.137	0.046	-38.010	0.047	-38.342	0.085	-39.633	0.126	-	-	-45.584	0.218

Key comparison EUROMET.AUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

$x_{i\text{-EUR}}$: result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)

$u_{i\text{-EUR}}$: combined standard uncertainty of $x_{i\text{-EUR}}$

Microphone: 1395456

Frequency \Rightarrow Lab i \Downarrow	31.5 Hz		63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz	
	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB
DPLA	-38.367	0.08	-38.397	0.04	-38.427	0.03	-38.450	0.03	-38.471	0.03	-38.482	0.03	-38.465	0.03	-38.340	0.03
INRIM	-38.330	0.08	-38.370	0.05	-38.400	0.05	-38.430	0.05	-38.450	0.05	-38.470	0.05	-38.450	0.05	-38.330	0.05
BEV	-38.347	0.03	-38.380	0.03	-38.409	0.02	-38.434	0.02	-38.454	0.02	-38.466	0.02	-38.447	0.02	-38.324	0.02
CMI	-38.390	0.08	-38.420	0.06	-38.450	0.06	-38.480	0.06	-38.500	0.06	-38.510	0.06	-38.500	0.06	-38.378	0.06
METAS	-38.332	0.046	-38.371	0.046	-38.402	0.038	-38.430	0.036	-38.453	0.036	-38.468	0.036	-38.452	0.036	-38.329	0.034
CEM	-38.365	0.05	-38.395	0.04	-38.424	0.04	-38.449	0.04	-38.470	0.04	-38.482	0.04	-38.466	0.04	-38.342	0.04
MIKES	-38.352	0.0579	-38.374	0.0284	-38.404	0.0258	-38.431	0.0259	-38.453	0.0284	-38.463	0.03	-38.445	0.0443	-38.320	0.0443
SP	-38.362	0.1	-38.379	0.08	-38.404	0.05	-38.429	0.05	-38.450	0.05	-38.459	0.05	-38.444	0.05	-38.319	0.05

CMI, METAS, and CEM data were corrected for frequency realignment to nominal frequencies
 SP and MIKES data were corrected for microphone 1395456 sensitivity drift

Key comparison EUROMET.AUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

$x_{i\text{-EUR}}$: result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)

$u_{i\text{-EUR}}$: combined standard uncertainty of $x_{i\text{-EUR}}$

Microphone: 1395456

Frequency \Rightarrow Lab i \Downarrow	6300 Hz		8000 Hz		10000 Hz		12500 Hz		16000 Hz		20000 Hz		25000 Hz		31500 Hz	
	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB	$x_{i\text{-EUR}}$ / dB	$2u_{i\text{-EUR}}$ / dB
DPLA	-38.087	0.03	-37.856	0.03	-37.575	0.03	-37.334	0.04	-37.595	0.05	-39.059	0.08	-41.779	0.14	-	-
INRIM	-38.080	0.05	-37.850	0.05	-37.570	0.08	-37.340	0.1	-37.590	0.1	-39.090	0.15	-41.780	0.2	-	-
BEV	-38.073	0.03	-37.825	0.04	-37.561	0.04	-37.318	0.05	-37.593	0.08	-39.062	0.09	-41.821	0.13	-	-
CMI	-38.141	0.07	-37.922	0.08	-37.660	0.09	-37.444	0.1	-37.692	0.1	-39.134	0.17	-41.787	0.25	-	-
METAS	-38.080	0.032	-37.848	0.036	-37.564	0.041	-37.326	0.045	-37.576	0.047	-39.035	0.063	-41.788	0.0163	-	-
CEM	-38.094	0.04	-37.862	0.04	-37.582	0.04	-37.352	0.04	-37.611	0.05	-39.147	0.08	-41.838	0.14	-	-
MIKES	-38.063	0.0444	-37.829	0.0464	-37.540	0.0535	-37.307	0.059	-37.550	0.0638	-38.942	0.0734	-	-	-	-
SP	-38.066	0.06	-37.836	0.06	-37.553	0.08	-37.322	0.1	-37.615	0.12	-39.121	0.2	-41.954	0.3	-	-

Lab i \Downarrow	Date of measurement
DPLA	15 Oct 03
INRIM	05 Nov 03
BEV	20 Nov 03
CMI	03 Dec 03
METAS	15 Jan 04
CEM	01 Mar 04
MIKES	29 Mar 04
SP	28 Apr 04

CMI, METAS, and CEM data were corrected for frequency realignment to nominal frequencies
 SP and MIKES data were corrected for microphone 1395456 sensitivity drift

Key comparison EUROMET.AUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
 FREQUENCY : 31.5 Hz to 31.5 kHz

x_{i-EUR} : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)

u_{i-EUR} : combined standard uncertainty of x_{i-EUR}

Microphone: 1627783

Frequency \Rightarrow Lab i \Downarrow	31.5 Hz		63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz	
	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB
DPLA	-38.725	0.08	-38.736	0.04	-38.752	0.03	-38.767	0.03	-38.774	0.03	-38.775	0.03	-38.751	0.03	-38.645	0.03
INRIM	-38.690	0.08	-38.710	0.05	-38.730	0.05	-38.740	0.05	-38.750	0.05	-38.760	0.05	-38.740	0.05	-38.630	0.05
BEV	-38.720	0.03	-38.736	0.03	-38.750	0.02	-38.763	0.02	-38.771	0.02	-38.772	0.02	-38.748	0.02	-38.642	0.02
CMI	-38.920	0.08	-38.820	0.06	-38.820	0.06	-38.810	0.06	-38.810	0.06	-38.810	0.06	-38.790	0.06	-38.689	0.06
METAS	-38.684	0.046	-38.708	0.046	-38.727	0.038	-38.743	0.036	-38.755	0.036	-38.759	0.036	-38.739	0.036	-38.635	0.034
CEM	-38.744	0.05	-38.757	0.04	-38.770	0.04	-38.782	0.04	-38.790	0.04	-38.792	0.04	-38.769	0.04	-38.664	0.04
MIKES	-38.780	0.0579	-38.744	0.0284	-38.746	0.0258	-38.760	0.0258	-38.766	0.0283	-38.769	0.03	-38.749	0.0442	-38.644	0.0432
SP	-38.713	0.1	-38.720	0.08	-38.732	0.05	-38.744	0.05	-38.752	0.05	-38.751	0.05	-38.729	0.05	-38.623	0.05

CMI, METAS, and CEM data were corrected for frequency realignment to nominal frequencies

Key comparison EUROMET.AUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P
FREQUENCY : 31.5 Hz to 31.5 kHz

x_{i-EUR} : result of measurements carried out by laboratory i (unit is dB re 1 V/Pa)

u_{i-EUR} : combined standard uncertainty of x_{i-EUR}

Microphone: 1627783

Frequency \Rightarrow Lab i \Downarrow	6300 Hz		8000 Hz		10000 Hz		12500 Hz		16000 Hz		20000 Hz		25000 Hz		31500 Hz	
	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB	x_{i-EUR} / dB	$2u_{i-EUR}$ / dB
DPLA	-38.447	0.03	-38.273	0.03	-38.078	0.03	-37.939	0.04	-38.213	0.05	-39.425	0.08	-41.721	0.14	-	-
INRIM	-38.440	0.05	-38.270	0.05	-38.070	0.08	-37.940	0.1	-38.200	0.1	-39.440	0.15	-41.680	0.2	-	-
BEV	-38.444	0.03	-38.254	0.04	-38.071	0.04	-37.915	0.05	-38.197	0.08	-39.394	0.10	-41.700	0.14	-	-
CMI	-38.511	0.07	-38.354	0.08	-38.170	0.09	-38.061	0.1	-38.317	0.1	-39.469	0.17	-41.624	0.25	-	-
METAS	-38.444	0.032	-38.272	0.036	-38.077	0.041	-37.942	0.045	-38.213	0.047	-39.423	0.063	-41.738	0.0163	-	-
CEM	-38.471	0.04	-38.299	0.04	-38.105	0.04	-37.971	0.04	-38.245	0.05	-39.500	0.08	-41.660	0.14	-	-
MIKES	-38.446	0.0437	-38.275	0.0448	-38.075	0.0505	-37.948	0.0554	-38.207	0.0633	-39.351	0.0754	-	-	-	-
SP	-38.427	0.06	-38.256	0.06	-38.060	0.08	-37.928	0.1	-38.226	0.12	-39.426	0.2	-41.727	0.3	-	-

Lab i \Downarrow	Date of measurement
DPLA	15 Oct 03
INRIM	05 Nov 03
BEV	20 Nov 03
CMI	03 Dec 03
METAS	15 Jan 04
CEM	01 Mar 04
MIKES	29 Mar 04
SP	28 Apr 04

CMI, METAS, and CEM data were corrected for frequency realignment to nominal frequencies

CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3

Key comparison CCAUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P

FREQUENCY : 31.5 Hz to 31.5 kHz

For each microphone and for each frequency, the key comparison values, x_R , and its associated standard uncertainty, u_R , are computed as explained in sections 4.2 and 5.1 of the CCAUV.A-K3 Final Report (unit is dB re 1 V/Pa).

Frequency	Microphone 1395456		Microphone 1627783		Microphone 1124046		Microphone 1395455	
	x_R	$2u_R$	x_R	$2u_R$	x_R	$2u_R$	x_R	$2u_R$
/ Hz	/ dB	/ dB	/ dB	/ dB	/ dB	/ dB	/ dB	/ dB
31.5	-38.367	0.019	-38.725	0.019	-38.049	0.022	-38.345	0.022
63	-38.402	0.013	-38.740	0.013	-38.077	0.015	-38.372	0.015
125	-38.430	0.012	-38.753	0.012	-38.092	0.014	-38.391	0.014
250	-38.451	0.012	-38.766	0.012	-38.102	0.013	-38.406	0.013
500	-38.472	0.012	-38.773	0.012	-38.107	0.013	-38.414	0.013
1000	-38.481	0.012	-38.775	0.012	-38.107	0.013	-38.416	0.013
2000	-38.464	0.012	-38.753	0.012	-38.089	0.013	-38.390	0.013
4000	-38.335	0.012	-38.649	0.012	-38.004	0.013	-38.271	0.013
6300	-38.084	0.013	-38.456	0.013	-37.849	0.014	-38.048	0.014
8000	-37.850	0.013	-38.285	0.013	-37.720	0.014	-37.848	0.014
10000	-37.567	0.016	-38.091	0.016	-37.581	0.016	-37.619	0.016
12500	-37.328	0.019	-37.955	0.019	-37.519	0.020	-37.459	0.020
16000	-37.579	0.024	-38.223	0.024	-37.866	0.024	-37.795	0.024
20000	-39.073	0.036	-39.444	0.036	-39.030	0.034	-39.224	0.034
25000	-41.760	0.061	-41.714	0.061	-41.206	0.049	-41.756	0.049
31500	-44.920	0.144	-44.579	0.144	-44.035	0.132	-44.706	0.132

At a given frequency, the degree of equivalence of laboratory i with respect to the key comparison reference value is given by a pair of terms both expressed in dB re 1 V/Pa: D_i and its expanded uncertainty ($k = 2$), U_i . The degrees of equivalence are computed as explained in sections 4.3 and 5.2 of the CCAUV.A-K3 Final Report, and in the Final Report of the bilateral comparison DPLA-NPLI.

At a given frequency, the degree of equivalence between two laboratories i and j is given by a pair of terms: D_{ij} and its expanded uncertainty ($k = 2$), U_{ij} , both expressed in dB re 1 V/Pa. The computation of these two terms is explained in section 5.3 of the CCAUV.A-K3 Final Report, and in the Final Report of the bilateral comparison DPLA-NPLI.

The full matrices of equivalence are computed for frequencies 250 Hz and 1000 Hz.

Linking COOMET.AUV.A-K3 to CCAUV.A-K3

DPLA provides the link between key comparisons CCAUV.A-K3 and COOMET.AUV.A-K3. The linkage process is described in section 5 of the COOMET.AUV.A-K3 Final Report.

At a given frequency, the degree of equivalence of laboratory i participant in COOMET.AUV.A-K3 with respect to the key comparison reference value is given by a pair of terms both expressed in dB re 1 V/Pa: D_i and its expanded uncertainty ($k = 2$), U_i . The degrees of equivalence are computed as explained in section 5 of the COOMET.AUV.A-K3 Final Report.

At a given frequency, the degree of equivalence between two laboratories i and j is given by a pair of terms: D_{ij} and its expanded uncertainty ($k = 2$), U_{ij} , both expressed in dB re 1 V/Pa.

The computation of these two terms is explained in section 5 of the COOMET.AUV.A-K3 Final Report when one or two laboratories participate in COOMET.AUV.A-K3.

This makes it possible to extend the matrices of equivalence obtained in CCAUV.A-K3 for frequencies 250 Hz and 1000 Hz to participants in COOMET.AUV.A-K3.

Linking EUROMET.AUV.A-K3 to CCAUV.A-K3

DPLA provides the link between key comparisons CCAUV.A-K3 and EUROMET.AUV.A-K3. The linkage process is described in section 6 of the EUROMET.AUV.A-K3 Final Report.

At a given frequency, the degree of equivalence of laboratory i participant in EUROMET.AUV.A-K3 with respect to the key comparison reference value is given by a pair of terms both expressed in dB re 1 V/Pa: D_i and its expanded uncertainty ($k = 2$), U_i . The degrees of equivalence are computed as explained in section 6 of the EUROMET.AUV.A-K3 Final Report.

At a given frequency, the degree of equivalence between two laboratories i and j is given by a pair of terms: D_{ij} and its expanded uncertainty ($k = 2$), U_{ij} , both expressed in dB re 1 V/Pa.

The computation of these two terms is explained in section 7 of the EUROMET.AUV.A-K3 Final Report when both of the laboratories are participants in EUROMET.AUV.A-K3.

This makes it possible to extend the matrices of equivalence obtained in CCAUV.A-K3 and COOMET.AUV.A-K3 for frequencies 250 Hz and 1000 Hz with pair-wise degrees of equivalence computed inside EUROMET.AUV.A-K3.

CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P

FREQUENCY : 31.5 Hz to 31.5 kHz

Degrees of equivalence relative to the key comparison reference values (unit is dB re 1 V/Pa)

Frequency → Lab <i>i</i> ↓	31.5 Hz		63 Hz		125 Hz		250 Hz		500 Hz		1000 Hz		2000 Hz		4000 Hz	
	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB
CENAM	-0.001	0.041	0.011	0.043	0.015	0.052	0.014	0.052	0.013	0.052	0.013	0.052	0.013	0.052	0.013	0.052
NMIA	-0.008	0.052	0.000	0.034	0.001	0.035	0.004	0.035	0.001	0.035	0.002	0.035	0.005	0.035	0.007	0.035
DPLA	-0.005	0.069	-0.002	0.033	-0.003	0.024	-0.004	0.025	-0.004	0.025	-0.004	0.025	-0.004	0.025	-0.003	0.025
GUM	-	-	-0.034	0.045	-0.028	0.045	-0.016	0.045	-0.017	0.045	-0.017	0.045	-0.012	0.045	-0.013	0.045
INMETRO	-0.005	0.051	0.001	0.040	0.000	0.041	0.001	0.040	0.000	0.040	0.000	0.040	0.001	0.040	0.003	0.040
KRISS	-0.001	0.053	0.008	0.035	0.009	0.025	0.008	0.026	0.009	0.026	0.008	0.026	0.009	0.026	0.016	0.025
LNE	0.009	0.035	0.015	0.029	0.016	0.026	0.016	0.026	0.015	0.026	0.013	0.027	0.014	0.028	0.014	0.035
NIM	-0.013	0.071	-0.008	0.044	-0.009	0.044	-0.009	0.045	-0.010	0.045	-0.010	0.045	-0.010	0.045	-0.009	0.044
NIST	0.006	0.072	0.004	0.054	0.002	0.054	-0.001	0.035	-0.003	0.035	-0.004	0.035	-0.006	0.035	-0.006	0.035
NMIJ	-0.019	0.276	-0.014	0.091	-0.018	0.082	-0.016	0.082	-0.022	0.082	-0.027	0.082	-0.022	0.082	-0.023	0.082
NPL	0.006	0.053	-0.004	0.025	-0.003	0.025	-0.006	0.026	-0.002	0.026	0.003	0.026	-0.002	0.026	-0.003	0.025
NRC	-	-	-0.005	0.044	-0.005	0.044	-0.006	0.035	-0.007	0.035	-0.008	0.035	-0.009	0.035	-0.014	0.035
PTB	0.001	0.033	0.006	0.035	0.002	0.035	0.004	0.035	0.003	0.035	0.003	0.035	0.003	0.035	0.002	0.035
UME	0.003	0.071	0.007	0.072	0.007	0.073	0.007	0.073	0.005	0.073	0.006	0.073	0.006	0.073	0.007	0.073
VNIIFTRI	-0.028	0.128	-0.010	0.063	-0.014	0.035	-0.016	0.035	-0.009	0.035	-0.013	0.035	-0.010	0.035	-0.013	0.035
NPLI	0.005	0.081	0.015	0.074	0.014	0.073	0.015	0.073	0.011	0.073	0.005	0.073	0.008	0.073	0.008	0.073
GUM	-	-	-0.020	0.051	-0.019	0.049	-0.010	0.049	-0.013	0.049	-0.004	0.049	-0.014	0.049	-0.016	0.049
DNDI "Systema"	-0.065	0.092	-0.040	0.077	-0.034	0.067	-0.040	0.067	-0.033	0.058	-0.034	0.058	-0.029	0.058	-0.031	0.058
VNIIFTRI	0.038	0.130	0.052	0.065	0.054	0.039	0.052	0.039	0.051	0.039	0.050	0.039	0.049	0.039	0.049	0.039
INM(RO)	0.020	0.061	0.021	0.053	0.020	0.044	0.018	0.044	0.017	0.044	0.018	0.044	0.018	0.044	0.025	0.044
INRIM	0.031	0.093	0.024	0.055	0.022	0.052	0.020	0.052	0.019	0.052	0.010	0.052	0.010	0.052	0.009	0.052
BEV	0.007	0.063	0.006	0.041	0.007	0.030	0.006	0.030	0.006	0.030	0.006	0.030	0.007	0.030	0.006	0.030
CMI	-0.114	0.093	-0.056	0.063	-0.048	0.060	-0.040	0.060	-0.036	0.060	-0.035	0.060	-0.040	0.060	-0.044	0.060
METAS	0.033	0.071	0.025	0.052	0.023	0.042	0.018	0.041	0.015	0.041	0.011	0.041	0.009	0.041	0.007	0.039
CEM	-0.013	0.073	-0.012	0.047	-0.010	0.044	-0.011	0.044	-0.011	0.044	-0.012	0.044	-0.013	0.044	-0.014	0.044
MIKES	-0.025	0.078	0.005	0.040	0.012	0.033	0.009	0.033	0.009	0.035	0.009	0.036	0.008	0.047	0.007	0.046
SP	0.003	0.108	0.015	0.080	0.019	0.052	0.018	0.052	0.018	0.052	0.020	0.052	0.018	0.052	0.018	0.052

CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3

MEASURAND : Pressure sensitivity level of laboratory standard microphone type LS2P

FREQUENCY : 31.5 Hz to 31.5 kHz

Degrees of equivalence relative to the key comparison reference values (unit is dB re 1 V/Pa)

Frequency → Lab <i>i</i> ↓	6300 Hz		8000 Hz		10000 Hz		12500 Hz		16000 Hz		20000 Hz		25000 Hz		31500 Hz	
	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_i</i> / dB	<i>U_i</i> / dB
CENAM	0.013	0.052	0.011	0.043	0.007	0.042	0.004	0.041	0.001	0.059	-0.017	0.147	0.004	0.180	0.115	0.304
NMIA	0.008	0.035	0.014	0.035	0.015	0.044	0.014	0.042	0.021	0.041	0.007	0.046	-0.009	0.059	0.165	0.163
DPLA	0.001	0.024	-0.002	0.024	-0.003	0.023	0.000	0.031	0.010	0.040	0.015	0.065	-0.002	0.116	0.172	0.132
GUM	-0.020	0.045	-0.013	0.054	-0.006	0.063	0.002	0.072	0.001	0.080	-0.052	0.153	-	-	-	-
INMETRO	0.005	0.042	0.006	0.049	0.006	0.067	0.007	0.076	0.021	0.104	0.036	0.112	0.089	0.147	-	-
KRISS	0.016	0.025	0.019	0.025	0.017	0.034	0.014	0.043	-0.001	0.051	0.023	0.066	0.066	0.176	-1.099	1.099
LNE	0.019	0.046	0.020	0.057	0.021	0.072	0.022	0.091	0.018	0.127	0.027	0.172	0.051	0.262	-1.398	0.745
NIM	-0.007	0.044	-0.007	0.044	-0.009	0.044	-0.021	0.090	-0.014	0.090	-0.035	0.087	-0.014	0.101	-	-
NIST	-0.011	0.045	-0.016	0.044	-0.021	0.053	-0.031	0.053	-0.071	0.071	-0.083	0.115	-0.065	0.233	-	-
NMIJ	-0.010	0.082	0.007	0.082	0.004	0.082	0.002	0.081	-0.009	0.080	0.008	0.134	0.032	0.167	-1.500	0.604
NPL	0.000	0.035	-0.008	0.044	-0.011	0.053	-0.008	0.072	0.001	0.090	0.038	0.163	-0.223	0.606	-0.515	0.679
NRC	-0.025	0.035	-0.033	0.035	-0.050	0.091	-0.069	0.109	-0.082	0.127	-0.098	0.154	-	-	-	-
PTB	0.000	0.035	-0.003	0.035	-0.006	0.053	-0.003	0.072	-0.024	0.109	-0.007	0.106	-0.053	0.127	-	-
UME	0.013	0.073	0.009	0.082	0.017	0.091	0.017	0.100	0.053	0.108	0.036	0.154	-0.042	0.179	-	-
VNIFTRI	-0.012	0.035	-0.011	0.044	-0.010	0.053	-0.006	0.081	0.016	0.118	0.027	0.163	0.096	0.282	-1.795	0.877
NPLI	0.016	0.073	0.021	0.073	0.018	0.073	0.042	0.075	0.092	0.076	0.030	0.084	-0.206	0.125	-	-
GUM	-0.022	0.049	-0.024	0.058	-0.033	0.067	-0.020	0.077	0.023	0.088	0.066	0.163	-	-	-	-
DNDI "Systema"	-0.022	0.058	-0.029	0.067	-0.028	0.076	-0.025	0.086	-0.042	0.132	-0.039	0.190	-	-	-	-
VNIFTRI	0.053	0.039	0.053	0.047	0.055	0.056	0.055	0.083	0.050	0.119	0.015	0.166	-0.087	0.286	-0.498	0.869
INM(RO)	0.029	0.044	0.027	0.044	0.029	0.045	0.025	0.047	-0.011	0.081	-0.064	0.120	-	-	-1.259	0.236
INRIM	0.007	0.052	0.002	0.052	0.004	0.078	-0.004	0.098	0.018	0.101	-0.008	0.153	0.018	0.215	-	-
BEV	0.009	0.037	0.023	0.044	0.008	0.045	0.020	0.057	0.018	0.085	0.029	0.113	-0.013	0.170	-	-
CMI	-0.059	0.069	-0.076	0.078	-0.091	0.087	-0.116	0.098	-0.091	0.101	-0.044	0.170	0.042	0.256	-	-
METAS	0.005	0.038	0.002	0.041	0.003	0.046	0.002	0.053	0.019	0.060	0.028	0.087	-0.015	0.111	-	-
CEM	-0.015	0.044	-0.018	0.044	-0.020	0.045	-0.025	0.049	-0.015	0.062	-0.066	0.098	-0.001	0.170	-	-
MIKES	0.013	0.047	0.010	0.048	0.017	0.053	0.009	0.061	0.035	0.071	0.110	0.095	-	-	-	-
SP	0.021	0.060	0.016	0.060	0.018	0.078	0.012	0.098	-0.007	0.118	-0.017	0.195	-0.093	0.298	-	-

CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3

Frequency : 250 Hz

Matrix of equivalence (unit is dB re 1 V/Pa)

Lab *j* →

Lab *i* ↓

			CENAM		NMIA		DPLA		GUM		INMETRO		KRISS		LNE	
	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB
CENAM	0.014	0.052			0.010	0.064	0.018	0.059	0.030	0.070	0.013	0.067	0.006	0.059	-0.002	0.059
NMIA	0.004	0.035	-0.010	0.064			-0.008	0.045	-0.020	0.058	0.003	0.056	0.004	0.044	0.012	0.044
DPLA	-0.004	0.025	-0.018	0.059	0.008	0.045			0.012	0.053	-0.005	0.049	-0.012	0.038	-0.020	0.038
GUM	-0.016	0.045	-0.030	0.070	0.020	0.058	-0.012	0.053			-0.017	0.061	-0.025	0.054	-0.032	0.054
INMETRO	0.001	0.040	-0.013	0.067	-0.003	0.056	0.005	0.049	0.017	0.061			0.008	0.048	0.015	0.048
KRISS	0.008	0.026	-0.006	0.059	-0.004	0.044	0.012	0.038	0.025	0.054	-0.008	0.048			-0.008	0.039
LNE	0.016	0.026	0.002	0.059	-0.012	0.044	0.020	0.038	0.032	0.054	-0.015	0.048	0.008	0.039		
NIM	-0.009	0.045	-0.023	0.070	-0.013	0.059	-0.005	0.053	0.007	0.064	-0.010	0.062	-0.017	0.052	-0.025	0.052
NIST	-0.001	0.035	-0.015	0.064	0.005	0.051	0.003	0.045	0.016	0.059	0.001	0.054	-0.009	0.046	-0.017	0.046
NMIJ	-0.016	0.082	-0.030	0.098	0.020	0.090	-0.012	0.087	0.000	0.095	0.017	0.092	-0.025	0.087	-0.032	0.087
NPL	-0.006	0.026	-0.020	0.059	0.010	0.044	-0.002	0.038	0.010	0.054	0.007	0.048	-0.015	0.039	-0.022	0.039
NRC	-0.006	0.035	-0.020	0.064	-0.010	0.052	-0.002	0.045	0.010	0.058	-0.007	0.056	-0.014	0.044	-0.022	0.044
PTB	0.004	0.035	-0.010	0.064	0.000	0.051	0.008	0.045	0.020	0.059	-0.003	0.054	-0.005	0.046	-0.012	0.046
UME	0.007	0.073	-0.007	0.091	0.003	0.082	0.011	0.078	0.023	0.086	0.006	0.085	-0.002	0.078	-0.009	0.078
VNIIFTRI	-0.016	0.035	-0.030	0.064	-0.020	0.052	-0.012	0.045	0.000	0.058	-0.017	0.056	-0.024	0.044	-0.032	0.044
NPLI	0.015	0.073	0.001	0.089	0.011	0.081	0.019	0.077	0.031	0.085	0.014	0.083	0.007	0.077	-0.001	0.077
GUM	-0.010	0.049	-0.024	0.071	-0.014	0.060	-0.006	0.055	0.007	0.066	-0.010	0.063	-0.018	0.055	-0.025	0.055
DNDI "Systema"	-0.040	0.067	-0.054	0.084	-0.044	0.075	-0.036	0.071	-0.023	0.080	-0.040	0.078	-0.048	0.071	-0.055	0.071
VNIIFTRI	0.052	0.039	0.038	0.065	0.048	0.052	0.056	0.046	0.068	0.059	0.051	0.056	0.043	0.046	0.036	0.046
INM(RO)	0.018	0.044	0.004	0.068	0.014	0.056	0.022	0.050	0.034	0.063	0.018	0.059	0.010	0.051	0.002	0.051
INRIM	0.020	0.052														
BEV	0.006	0.030														
CMI	-0.040	0.060							Not computed							
METAS	0.018	0.041														
CEM	-0.011	0.044														
MIKES	0.009	0.033														
SP	0.018	0.052														

CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3

Frequency : 250 Hz

Matrix of equivalence (unit is dB re 1 V/Pa) - continued

Lab *j* →

Lab *i* ↓

			NIM		NIST		NMIJ		NPL		NRC		PTB		UME	
	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB
CENAM	0.014	0.052	0.023	0.070	0.015	0.064	0.030	0.098	0.020	0.059	0.020	0.064	0.010	0.064	0.007	0.091
NMIA	0.004	0.035	0.013	0.059	-0.005	0.051	-0.020	0.090	-0.010	0.044	0.010	0.052	0.000	0.051	-0.003	0.082
DPLA	-0.004	0.025	0.005	0.053	-0.003	0.045	0.012	0.087	0.002	0.038	0.002	0.045	-0.008	0.045	-0.011	0.078
GUM	-0.016	0.045	-0.007	0.064	-0.016	0.059	0.000	0.095	-0.010	0.054	-0.010	0.058	-0.020	0.059	-0.023	0.086
INMETRO	0.001	0.040	0.010	0.062	-0.001	0.054	-0.017	0.092	-0.007	0.048	0.007	0.056	0.003	0.054	-0.006	0.085
KRISS	0.008	0.026	0.017	0.052	0.009	0.046	0.025	0.087	0.015	0.039	0.014	0.044	0.005	0.046	0.002	0.078
LNE	0.016	0.026	0.025	0.052	0.017	0.046	0.032	0.087	0.022	0.039	0.022	0.044	0.012	0.046	0.009	0.078
NIM	-0.009	0.045			0.008	0.058	-0.007	0.094	0.003	0.052	-0.003	0.059	0.013	0.058	-0.015	0.087
NIST	-0.001	0.035	-0.008	0.058			0.016	0.091	0.006	0.046	0.005	0.051	-0.005	0.052	-0.007	0.082
NMIJ	-0.016	0.082	0.007	0.094	-0.016	0.091			-0.010	0.087	-0.010	0.090	-0.020	0.091	-0.023	0.110
NPL	-0.006	0.026	-0.003	0.052	-0.006	0.046	0.010	0.087			0.000	0.044	-0.010	0.046	-0.013	0.078
NRC	-0.006	0.035	0.003	0.059	-0.005	0.051	0.010	0.090	0.000	0.044			0.010	0.051	-0.013	0.082
PTB	0.004	0.035	-0.013	0.058	0.005	0.052	0.020	0.091	0.010	0.046	-0.010	0.051			-0.003	0.082
UME	0.007	0.073	0.015	0.087	0.007	0.082	0.023	0.110	0.013	0.078	0.013	0.082	0.003	0.082		
VNIIFTRI	-0.016	0.035	-0.007	0.059	-0.015	0.051	0.000	0.090	-0.010	0.044	-0.010	0.052	-0.020	0.051	-0.023	0.082
NPLI	0.015	0.073	0.024	0.085	0.016	0.081	0.031	0.110	0.021	0.077	0.021	0.081	0.011	0.081	0.008	0.103
GUM	-0.010	0.049	-0.001	0.066	-0.009	0.060	0.007	0.096	-0.003	0.055	-0.004	0.060	-0.013	0.060	-0.016	0.088
DNDI "Systema"	-0.040	0.067	-0.031	0.080	-0.039	0.075	-0.023	0.106	-0.033	0.071	-0.034	0.075	-0.043	0.075	-0.046	0.099
VNIIFTRI	0.052	0.039	0.061	0.059	0.052	0.052	0.068	0.091	0.058	0.046	0.058	0.052	0.048	0.052	0.045	0.082
INM(RO)	0.018	0.044	0.027	0.062	0.019	0.056	0.034	0.093	0.024	0.051	0.024	0.056	0.014	0.056	0.012	0.085
INRIM	0.020	0.052														
BEV	0.006	0.030														
CMI	-0.040	0.060							Not computed							
METAS	0.018	0.041														
CEM	-0.011	0.044														
MIKES	0.009	0.033														
SP	0.018	0.052														

CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3
 Frequency : 250 Hz
 Matrix of equivalence (unit is dB re 1 V/Pa) - continued

Lab <i>i</i> ↓	Lab <i>j</i> →													
			VNIIFTRI		NPLI		GUM		DNDI "Systema"		VNIIFTRI		INM(RO)	
	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB
CENAM	0.014	0.052	0.030	0.064	-0.001	0.089	0.024	0.071	0.054	0.084	-0.038	0.065	-0.004	0.068
NMIA	0.004	0.035	0.020	0.052	-0.011	0.081	0.014	0.060	0.044	0.075	-0.048	0.052	-0.014	0.056
DPLA	-0.004	0.025	0.012	0.045	-0.019	0.077	0.006	0.055	0.036	0.071	-0.056	0.046	-0.022	0.050
GUM	-0.016	0.045	0.000	0.058	-0.031	0.085	-0.007	0.066	0.023	0.080	-0.068	0.059	-0.034	0.063
INMETRO	0.001	0.040	0.017	0.056	-0.014	0.083	0.010	0.063	0.040	0.078	-0.051	0.056	-0.018	0.059
KRISS	0.008	0.026	0.024	0.044	-0.007	0.077	0.018	0.055	0.048	0.071	-0.043	0.046	-0.010	0.051
LNE	0.016	0.026	0.032	0.044	0.001	0.077	0.025	0.055	0.055	0.071	-0.036	0.046	-0.002	0.051
NIM	-0.009	0.045	0.007	0.059	-0.024	0.085	0.001	0.066	0.031	0.080	-0.061	0.059	-0.027	0.062
NIST	-0.001	0.035	0.015	0.051	-0.016	0.081	0.009	0.060	0.039	0.075	-0.052	0.052	-0.019	0.056
NMIJ	-0.016	0.082	0.000	0.090	-0.031	0.110	-0.007	0.096	0.023	0.106	-0.068	0.091	-0.034	0.093
NPL	-0.006	0.026	0.010	0.044	-0.021	0.077	0.003	0.055	0.033	0.071	-0.058	0.046	-0.024	0.051
NRC	-0.006	0.035	0.010	0.052	-0.021	0.081	0.004	0.060	0.034	0.075	-0.058	0.052	-0.024	0.056
PTB	0.004	0.035	0.020	0.051	-0.011	0.081	0.013	0.060	0.043	0.075	-0.048	0.052	-0.014	0.056
UME	0.007	0.073	0.023	0.082	-0.008	0.103	0.016	0.088	0.046	0.099	-0.045	0.082	-0.012	0.085
VNIIFTRI	-0.016	0.035			-0.031	0.081	-0.006	0.060	0.024	0.075	-0.068	0.052	-0.034	0.056
NPLI	0.015	0.073	0.031	0.081							Not computed			
GUM	-0.010	0.049	0.006	0.060					0.030	0.079	-0.061	0.059	-0.028	0.063
DNDI "Systema"	-0.040	0.067	-0.024	0.075	Not computed		-0.030	0.079			-0.091	0.075	-0.058	0.077
VNIIFTRI	0.052	0.039	0.068	0.052	Not computed		0.061	0.059	0.091	0.075			0.033	0.055
INM(RO)	0.018	0.044	0.034	0.056			0.028	0.063	0.058	0.077	-0.033	0.055		
INRIM	0.020	0.052												
BEV	0.006	0.030												
CMI	-0.040	0.060												
METAS	0.018	0.041			Not computed						Not computed			
CEM	-0.011	0.044												
MIKES	0.009	0.033												
SP	0.018	0.052												

CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3

Frequency : 250 Hz

Matrix of equivalence (unit is dB re 1 V/Pa) - continued

Lab *j* →

Lab *i* ↓

	<i>D_i</i> / dB		<i>U_i</i> / dB		INRIM		BEV		CMI		METAS		CEM		MIKES		SP	
	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB
CENAM	0.014	0.052																
NMIA	0.004	0.035																
DPLA	-0.004	0.025																
GUM	-0.016	0.045																
INMETRO	0.001	0.040																
KRISS	0.008	0.026																
LNE	0.016	0.026																
NIM	-0.009	0.045																
NIST	-0.001	0.035																
NMIJ	-0.016	0.082																
NPL	-0.006	0.026																
NRC	-0.006	0.035																
PTB	0.004	0.035																
UME	0.007	0.073																
VNIIFTRI	-0.016	0.035																
NPLI	0.015	0.073																
GUM	-0.010	0.049																
DNDI "Systema"	-0.040	0.067																
VNIIFTRI	0.052	0.039																
INM(RO)	0.018	0.044																
INRIM	0.020	0.052			0.014	0.050	0.060	0.072	0.001	0.057	0.030	0.059	0.011	0.052	0.002	0.065		
BEV	0.006	0.030	-0.014	0.050			0.046	0.058	-0.012	0.038	0.017	0.041	-0.003	0.030	-0.012	0.050		
CMI	-0.040	0.060	-0.060	0.072	-0.046	0.058			-0.058	0.065	-0.030	0.066	-0.049	0.060	-0.058	0.072		
METAS	0.018	0.041	-0.001	0.057	0.012	0.038	0.058	0.065			0.029	0.050	0.009	0.041	0.000	0.057		
CEM	-0.011	0.044	-0.030	0.059	-0.017	0.041	0.030	0.066	-0.029	0.050			-0.020	0.044	-0.029	0.059		
MIKES	0.009	0.033	-0.011	0.052	0.003	0.030	0.049	0.060	-0.009	0.041	0.020	0.044			-0.009	0.052		
SP	0.018	0.052	-0.002	0.065	0.012	0.050	0.058	0.072	0.000	0.057	0.029	0.059	0.009	0.052				

CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3

Frequency : 1000 Hz

Matrix of equivalence (unit is dB re 1 V/Pa)

Lab *j* →

Lab *i* ↓

			CENAM		NMIA		DPLA		GUM		INMETRO		KRISS		LNE	
	D_i / dB	U_i / dB	D_{ij} / dB	U_{ij} / dB	D_{ij} / dB	U_{ij} / dB	D_{ij} / dB	U_{ij} / dB	D_{ij} / dB	U_{ij} / dB	D_{ij} / dB	U_{ij} / dB	D_{ij} / dB	U_{ij} / dB	D_{ij} / dB	U_{ij} / dB
CENAM	0.013	0.052			0.012	0.064	0.017	0.059	0.030	0.070	0.013	0.067	0.005	0.059	0.000	0.060
NMIA	0.002	0.035	-0.012	0.064			-0.005	0.045	-0.018	0.058	0.002	0.056	0.007	0.044	0.012	0.045
DPLA	-0.004	0.025	-0.017	0.059	0.005	0.045			0.013	0.053	-0.004	0.049	-0.012	0.038	-0.017	0.038
GUM	-0.017	0.045	-0.030	0.070	0.018	0.058	-0.013	0.053			-0.017	0.061	-0.025	0.054	-0.030	0.054
INMETRO	0.000	0.040	-0.013	0.067	-0.002	0.056	0.004	0.049	0.017	0.061			0.008	0.048	0.013	0.049
KRISS	0.008	0.026	-0.005	0.059	-0.007	0.044	0.012	0.038	0.025	0.054	-0.008	0.048			-0.005	0.040
LNE	0.013	0.027	0.000	0.060	-0.012	0.045	0.017	0.038	0.030	0.054	-0.013	0.049	0.005	0.040		
NIM	-0.010	0.045	-0.024	0.070	-0.012	0.059	-0.007	0.053	0.006	0.064	-0.011	0.062	-0.019	0.052	-0.024	0.053
NIST	-0.004	0.035	-0.017	0.064	0.006	0.051	0.000	0.045	0.013	0.059	0.004	0.054	-0.013	0.046	-0.018	0.047
NMIJ	-0.027	0.082	-0.040	0.098	0.028	0.090	-0.023	0.087	-0.010	0.095	0.027	0.092	-0.035	0.087	-0.040	0.088
NPL	0.003	0.026	-0.010	0.059	-0.002	0.044	0.007	0.038	0.020	0.054	-0.003	0.048	-0.005	0.039	-0.010	0.040
NRC	-0.008	0.035	-0.021	0.064	-0.010	0.052	-0.004	0.045	0.009	0.058	-0.008	0.056	-0.016	0.044	-0.021	0.045
PTB	0.003	0.035	-0.010	0.064	-0.002	0.051	0.007	0.045	0.020	0.059	-0.003	0.054	-0.005	0.046	-0.010	0.047
UME	0.006	0.073	-0.008	0.091	0.004	0.082	0.009	0.078	0.022	0.086	0.006	0.085	-0.003	0.078	-0.008	0.078
VNIIFTRI	-0.013	0.035	-0.027	0.064	-0.015	0.052	-0.010	0.045	0.003	0.058	-0.014	0.056	-0.022	0.044	-0.027	0.045
NPLI	0.005	0.073	-0.008	0.089	0.004	0.081	0.009	0.077	0.022	0.085	0.005	0.083	-0.003	0.077	-0.008	0.077
GUM	-0.004	0.049	-0.018	0.071	-0.006	0.060	-0.001	0.055	0.012	0.066	-0.005	0.063	-0.013	0.055	-0.018	0.056
DNDI "Systema"	-0.034	0.058	-0.048	0.078	-0.036	0.067	-0.031	0.063	-0.018	0.073	-0.035	0.070	-0.043	0.063	-0.048	0.064
VNIIFTRI	0.050	0.039	0.037	0.065	0.048	0.052	0.054	0.046	0.067	0.059	0.050	0.056	0.042	0.046	0.037	0.047
INM(RO)	0.018	0.044	0.005	0.068	0.016	0.056	0.022	0.050	0.035	0.063	0.018	0.059	0.010	0.051	0.005	0.051
INRIM	0.010	0.052														
BEV	0.006	0.030														
CMI	-0.035	0.060														
METAS	0.011	0.041							Not computed							
CEM	-0.012	0.044														
MIKES	0.009	0.036														
SP	0.020	0.052														

CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3
 Frequency : 1000 Hz
 Matrix of equivalence (unit is dB re 1 V/Pa) - continued

Lab *j* →

Lab *i* ↓

			NIM		NIST		NMIJ		NPL		NRC		PTB		UME	
	<i>D_i</i> / dB	<i>U_i</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB	<i>D_{ij}</i> / dB	<i>U_{ij}</i> / dB
CENAM	0.013	0.052	0.024	0.070	0.017	0.064	0.040	0.098	0.010	0.059	0.021	0.064	0.010	0.064	0.008	0.091
NMIA	0.002	0.035	0.012	0.059	-0.006	0.051	-0.028	0.090	0.002	0.044	0.010	0.052	0.002	0.051	-0.004	0.082
DPLA	-0.004	0.025	0.007	0.053	0.000	0.045	0.023	0.087	-0.007	0.038	0.004	0.045	-0.007	0.045	-0.009	0.078
GUM	-0.017	0.045	-0.006	0.064	-0.013	0.059	0.010	0.095	-0.020	0.054	-0.009	0.058	-0.020	0.059	-0.022	0.086
INMETRO	0.000	0.040	0.011	0.062	-0.004	0.054	-0.027	0.092	0.003	0.048	0.008	0.056	0.003	0.054	-0.006	0.085
KRISS	0.008	0.026	0.019	0.052	0.013	0.046	0.035	0.087	0.005	0.039	0.016	0.044	0.005	0.046	0.003	0.078
LNE	0.013	0.027	0.024	0.053	0.018	0.047	0.040	0.088	0.010	0.040	0.021	0.045	0.010	0.047	0.008	0.078
NIM	-0.010	0.045			0.006	0.058	-0.016	0.094	0.014	0.052	-0.003	0.059	0.014	0.058	-0.016	0.087
NIST	-0.004	0.035	-0.006	0.058			0.023	0.091	-0.008	0.046	0.004	0.051	-0.008	0.052	-0.010	0.082
NMIJ	-0.027	0.082	0.016	0.094	-0.023	0.091			-0.030	0.087	-0.019	0.090	-0.030	0.091	-0.032	0.110
NPL	0.003	0.026	-0.014	0.052	0.008	0.046	0.030	0.087			0.011	0.044	0.000	0.046	-0.002	0.078
NRC	-0.008	0.035	0.003	0.059	-0.004	0.051	0.019	0.090	-0.011	0.044			0.011	0.051	-0.014	0.082
PTB	0.003	0.035	-0.014	0.058	0.008	0.052	0.030	0.091	0.000	0.046	-0.011	0.051			-0.002	0.082
UME	0.006	0.073	0.016	0.087	0.010	0.082	0.032	0.110	0.002	0.078	0.014	0.082	0.002	0.082		
VNIIFTRI	-0.013	0.035	-0.003	0.059	-0.009	0.051	0.013	0.090	-0.017	0.044	-0.006	0.052	-0.017	0.051	-0.019	0.082
NPLI	0.005	0.073	0.016	0.085	0.010	0.081	0.032	0.110	0.002	0.077	0.013	0.081	0.002	0.081	0.000	0.103
GUM	-0.004	0.049	0.006	0.066	0.000	0.060	0.022	0.096	-0.008	0.055	0.003	0.060	-0.008	0.060	-0.010	0.088
DNDI "Systema"	-0.034	0.058	-0.024	0.073	-0.030	0.068	-0.008	0.101	-0.038	0.063	-0.027	0.067	-0.038	0.068	-0.040	0.093
VNIIFTRI	0.050	0.039	0.060	0.059	0.054	0.052	0.077	0.091	0.047	0.046	0.058	0.052	0.047	0.052	0.044	0.082
INM(RO)	0.018	0.044	0.028	0.062	0.022	0.056	0.045	0.093	0.015	0.051	0.026	0.056	0.015	0.056	0.012	0.085
INRIM	0.010	0.052														
BEV	0.006	0.030														
CMI	-0.035	0.060							Not computed							
METAS	0.011	0.041														
CEM	-0.012	0.044														
MIKES	0.009	0.036														
SP	0.020	0.052														

CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3
 Frequency : 1000 Hz
 Matrix of equivalence (unit is dB re 1 V/Pa) - continued

Lab *j* →

Lab *i* ↓

	<i>D_i</i> / dB		<i>U_i</i> / dB		VNIIFTRI		NPLI		GUM		DNDI "Systema"		VNIIFTRI		INM(RO)	
	<i>D_i</i>	<i>U_i</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
CENAM	0.013	0.052	0.027	0.064	0.008	0.089	0.018	0.071	0.048	0.078	-0.037	0.065	-0.005	0.068		
NMIA	0.002	0.035	0.015	0.052	-0.004	0.081	0.006	0.060	0.036	0.067	-0.048	0.052	-0.016	0.056		
DPLA	-0.004	0.025	0.010	0.045	-0.009	0.077	0.001	0.055	0.031	0.063	-0.054	0.046	-0.022	0.050		
GUM	-0.017	0.045	-0.003	0.058	-0.022	0.085	-0.012	0.066	0.018	0.073	-0.067	0.059	-0.035	0.063		
INMETRO	0.000	0.040	0.014	0.056	-0.005	0.083	0.005	0.063	0.035	0.070	-0.050	0.056	-0.018	0.059		
KRISS	0.008	0.026	0.022	0.044	0.003	0.077	0.013	0.055	0.043	0.063	-0.042	0.046	-0.010	0.051		
LNE	0.013	0.027	0.027	0.045	0.008	0.077	0.018	0.056	0.048	0.064	-0.037	0.047	-0.005	0.051		
NIM	-0.010	0.045	0.003	0.059	-0.016	0.085	-0.006	0.066	0.024	0.073	-0.060	0.059	-0.028	0.062		
NIST	-0.004	0.035	0.009	0.051	-0.010	0.081	0.000	0.060	0.030	0.068	-0.054	0.052	-0.022	0.056		
NMIJ	-0.027	0.082	-0.013	0.090	-0.032	0.110	-0.022	0.096	0.008	0.101	-0.077	0.091	-0.045	0.093		
NPL	0.003	0.026	0.017	0.044	-0.002	0.077	0.008	0.055	0.038	0.063	-0.047	0.046	-0.015	0.051		
NRC	-0.008	0.035	0.006	0.052	-0.013	0.081	-0.003	0.060	0.027	0.067	-0.058	0.052	-0.026	0.056		
PTB	0.003	0.035	0.017	0.051	-0.002	0.081	0.008	0.060	0.038	0.068	-0.047	0.052	-0.015	0.056		
UME	0.006	0.073	0.019	0.082	0.000	0.103	0.010	0.088	0.040	0.093	-0.044	0.082	-0.012	0.085		
VNIIFTRI	-0.013	0.035			-0.019	0.081	-0.009	0.060	0.021	0.067	-0.063	0.052	-0.031	0.056		
NPLI	0.005	0.073	0.019	0.081							Not computed					
GUM	-0.004	0.049	0.009	0.060					0.030	0.072	-0.054	0.059	-0.023	0.063		
DNDI "Systema"	-0.034	0.058	-0.021	0.067	Not computed		-0.030	0.072			-0.084	0.067	-0.053	0.070		
VNIIFTRI	0.050	0.039	0.063	0.052	Not computed		0.054	0.059	0.084	0.067			0.032	0.055		
INM(RO)	0.018	0.044	0.031	0.056			0.023	0.063	0.053	0.070	-0.032	0.055				
INRIM	0.010	0.052														
BEV	0.006	0.030														
CMI	-0.035	0.060														
METAS	0.011	0.041	Not computed		Not computed											
CEM	-0.012	0.044														
MIKES	0.009	0.036														
SP	0.020	0.052														

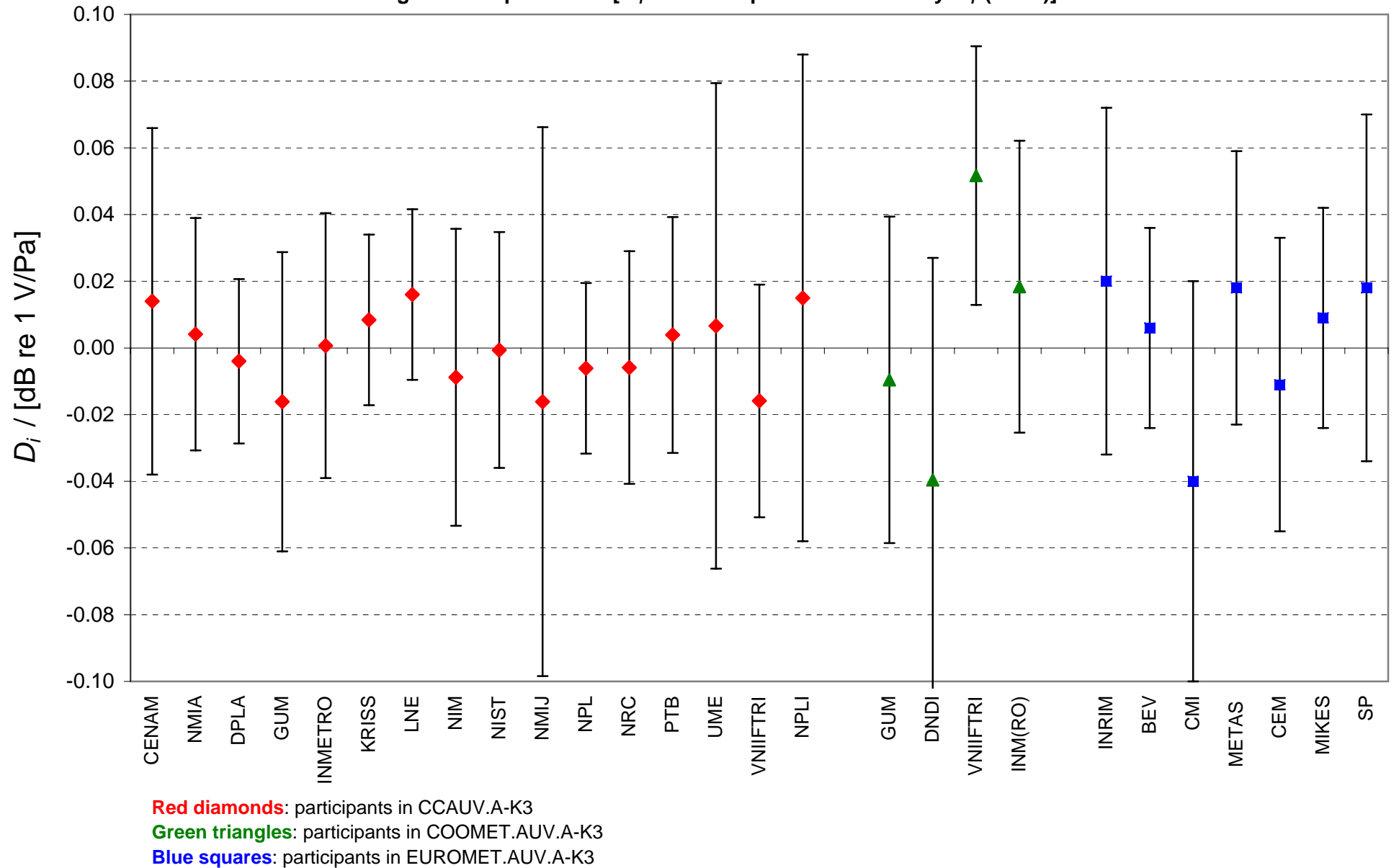
CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3
 Frequency : 1000 Hz
 Matrix of equivalence (unit is dB re 1 V/Pa) - continued

Lab *j* →

Lab *i* ↓

	<i>D_i</i> / dB		<i>U_i</i> / dB		INRIM		BEV		CMI		METAS		CEM		MIKES		SP	
	<i>D_i</i>	<i>U_i</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>	<i>D_{ij}</i>	<i>U_{ij}</i>
CENAM	0.013	0.052																
NMIA	0.002	0.035																
DPLA	-0.004	0.025																
GUM	-0.017	0.045																
INMETRO	0.000	0.040																
KRISS	0.008	0.026																
LNE	0.013	0.027																
NIM	-0.010	0.045																
NIST	-0.004	0.035																
NMIJ	-0.027	0.082																
NPL	0.003	0.026																
NRC	-0.008	0.035																
PTB	0.003	0.035																
UME	0.006	0.073																
VNIIFTRI	-0.013	0.035																
NPLI	0.005	0.073																
GUM	-0.004	0.049																
DNDI "Systema"	-0.034	0.058																
VNIIFTRI	0.050	0.039																
INM(RO)	0.018	0.044																
INRIM	0.010	0.052			0.004	0.050	0.045	0.072	-0.001	0.057	0.022	0.059	0.001	0.054	-0.010	0.065		
BEV	0.006	0.030	-0.004	0.050			0.041	0.058	-0.006	0.038	0.018	0.041	-0.003	0.033	-0.014	0.050		
CMI	-0.035	0.060	-0.045	0.072	-0.041	0.058			-0.047	0.065	-0.023	0.066	-0.044	0.062	-0.055	0.072		
METAS	0.011	0.041	0.001	0.057	0.006	0.038	0.047	0.065			0.023	0.050	0.002	0.043	-0.009	0.057		
CEM	-0.012	0.044	-0.022	0.059	-0.018	0.041	0.023	0.066	-0.023	0.050			-0.021	0.046	-0.032	0.059		
MIKES	0.009	0.036	-0.001	0.054	0.003	0.033	0.044	0.062	-0.002	0.043	0.021	0.046			-0.011	0.054		
SP	0.020	0.052	0.010	0.065	0.014	0.050	0.055	0.072	0.009	0.057	0.032	0.059	0.011	0.054				

**CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3 :
Microphone LS2P, frequency 250 Hz
Degrees of equivalence [D_i and its expanded uncertainty U_i ($k = 2$)]**



**CCAUV.A-K3, COOMET.AUV.A-K3, and EUROMET.AUV.A-K3:
microphone LS2P, frequency 1000 Hz
Degrees of equivalence [D_i and its expanded uncertainty U_i ($k = 2$)]**

