## FINAL REPORT

1.	Ref. No.: 579		Subject Field: Acoustics, Ultrasound and Vibration		
3	Type of collaboration: Comparison				
4A. Partners: BEV, CEA/CESTA,CEM, CMI, IGMC-CNR, CSIC-IA, DPLA, GBARL, GUM, INETI, METAS, NMI, VSL, PTB, SIRA, SP, UME					4B. CEC funded? No
5.	Participating countries: AT, FR, ES, CZ, IT, DK, HU, PL, PT, CH, NL, DE, UK, SE, TR				
6.	Title: European comparison in accelerometer calibration EUROMET.AUV.V-K1				
7.	Progress:		17		
The fivibre pilote CIPM The fithree stand used (ISO equivibre of CIPM uncer 199 % calib	Final Report, follows.  First key comparison (KC) in the fation" (EUROMET.AUV.V-Ited by the PTB. The objective of KC, to the key comparison relinking of the RMO KC to the laboratories that had participallards (accelerometers) at six splaser interferometry (ISO 160 16063-21) traceable to PTB (valence were computed for all ther RMO laboratories" result of KC. In all cases the deviation retainty Ui (k = 2) of this difference of all cases smaller than the retain results (40 Hz to 5 kHz ts deviate by more than 0.5% Coordinator's name: D  Address:Bundesallee 10 38116 Braunson Germany  Telephone: +49 531 59 E-mail: thomas.bru	K1, Project Ref was to link 11 l reference value. CIPM KC was ated in both KC pecified freque. (63-11) and fou EUROMET pro- calibration resis, and (iii) the resonance, Di < Ui relative expande) exceeds a relative expander. The Bruns (continue) character (continue) exceeds a relative expander. The Bruns (continue) exceeds a relative expander.	European countries, while a countries (KCRVs) established is based on the "weighted cs. To measure the charge noise in the range from 4 relaboratories used composed ref. No. 198 providualts of the RMO laboratories used the KCRV is smaller than the deviations Dij betweed uncertainty Uij (k = 2 attive deviation of 1 % from V.  Tas Succ. of Dr. HJ. 1984	ut from Jul ch had not n the CIPM mean meth ge sensitivit 10 Hz to 5 k parison with ling traceab ories regard ories which nan the relate een the lab c) of these com the KCI v. Martens	y 2003 to March 2005, participated in the I KC CCAUV.V-K1. nod" using the results of the ty of two transfer KHz, ten laboratories in a reference transducer bility). The degrees of ding (i) the KCRV, (ii) had participated in the tive expanded oratories are in nearly differences. None of the RV, and only a few
	ompletion date: tember 2006	10. Coordin	nator's signature:	11. Dat	te: 12/27