

**PROPOSED
EUROMET PROJECT**

1. Ref. No.: 649	2. Subject Field: Length (Form: Sensitivity)	
3. Type of collaboration: Co-operation in research		
4A. Partners: IMGC, LNE, METAS, MIKES, NMI, NPL, PTB (pilot)	4B. CEC funded? No	
5. Participating countries: IT, FR, CH, FI, NL, GB, DE		
6. Title: Sensitivity Transfer Standards for Form Measuring Instruments		
7. Description: At the EUROMET TC Length meeting in Budapest in October 2001 it was proposed to establish a comparison of sensitivity standards for form measuring instruments. This comparison shall be the first one dealing with multi-wave standards which embody superimposed spatial harmonic waves on a cylindrical body. Therefore a special task shall be the evaluation of the performance with respect to uncertainty and usability of such kind of artifacts dealing as sensitivity transfer standard in comparison to the well-known flick standards (cylinders with a flat). The measurands shall be form deviation for all artifacts and amplitude height of the dominating spectral lines for the multi-wave standards.		
8. Additional remarks: One flick and two multi-wave standards (inner and outer type, diameter 80 mm) will be provided by the pilot.		
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10. Proposer's signature:	11. Date: 2002-02-04	12. Proposed starting date: 2002-05-01