EUROMET PROJECT PROGRESS/FINAL REPORT*)

1. Ref No.: 251	2. Field: Length
3. Type of collaboration: Workshop	
4. Partners: FR, DE, IT, ES, CH and GB	
5. Subject:	
EUROMET Workshop: Artefact for calibration and performance assessment of co-ordinate measuring ma	achines
performance assessment of co-ordinate measuring National Calibration Services. It was proposed that the WECC, Two other recommendations was made the	countries presented their activities in the field of calibration and machines. The group established some recommendations to the the most appropriate way of diseminating this information was via at could interest BCR: the organisation of a conference on the and (2) organisation of an intercomparison of different calibration
Recommendation to WECC:	
* The group considers that the document WECC "The	e Certification of Co-ordinate measuring Machines"is a very suitable
basis for subsequent work.	
* The approaches defined as "Calibrations based o simplicity and reliability.	n comparator principles" are interesting for reasons of economy,
	e component errors of a CMM, the group proposes the following
points:	c component errors of a civility, the group proposes the following
- The use of artefacts is recommended	
	ne CMMs which one can describe by the 18 functions model should
be calibrated. A simple procedure to	
	rrors from the set of data obtained during the calibration with an
	shaviour of the machine and estimate the measuring uncertainty on
the position of one point or a distance	
	haviour of the machine and estimate the uncertainty of the result of
	ted and certified. The simulation shall include effects due to a
	ges of systematic errors, as well as random errors. This yields for
	ized kinematic structure and for the probing errors.
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9. Coordinator's signature:	10. Date: September 1992

Notes for the completion of the form overleaf