

KH B. → Draft
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EUROMET PROJECT ~~PROGRESS~~/FINAL REPORT

1	Ref No.: 227	2	Field: LENGTH
3	Type of collaboration: Co-operation in research		
4	Partners: DK, FI, DE, IT, NL, SE, CH, GB, CE, Fr		
5	Subject: Workshop on co-ordinate measuring technology		
6	<p>Progress:</p> <p>The Euromet workshop on co-ordinate measuring technology took place on 23rd March 1990 at the NPL in Teddington. It was organised by Dr G.N. Peggs (NPL), Dr R. Muijlwijk (Van Swinden Laboratory) and Dr E. Trapet (PTB). In total 21 people attended the meeting from 9 countries as well as a representative from CEC. The programme and the list of attendees are attached.</p> <p>The aims of the meeting were to raise the awareness of current work within Europe in the field of co-ordinate metrology, to improve co-operation and to explore the potential for possible collaborations. The programme was structured around short key-note talks, which were presented on a number of topics followed by detailed technical discussion.</p> <p>Dr Muijlwijk (Van Swinden Laboratory) reviewed co-ordinate measuring machine (CMM) acceptance testing methods in Europe and reviewed the latest developments utilised by various manufacturers to achieve enhanced measurement accuracy. Dr Cox (NPL) reviewed progress on developing reference software for CMMs, the purpose of which is to assess the departures from ideal geometric form. Progress on a number of BCR-funded software projects was reported and areas of software that were particular important to the CMM software writers, such as optimal parametrizations for various geometrical elements, were highlighted. Dr Peggs (NPL) described developments in the formulation of a new ISO draft specification standard for assessing errors arising from the CMM probing system. Dr Peggs also described NPL's work on building a probe calibration system for characterising high-accuracy analogue CMM probes. Dr Trapet (PTB) made a presentation on the use of mechanical reference artefacts both for CMM calibration and performance verification.</p> <p>The workshop ended with a round table discussion which identified a number of areas of special importance to CMM-users. These topics may well form the basis of future co-operations and collaborations between Euromet partners.</p>		
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9	Coordinator's signature: <i>Dr G N Peggs</i>		10 Date: 28/10/92

Notes for the completion of the form overleaf