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OPAG-SURFACE

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**JOINT CIMO EXPERT TEAM ON
SURFACE-BASED INSTRUMENT INTERCOMPARISONS
AND CALIBRATION METHODS**

ITEM: 6.3

First Session

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AND

**INTERNATIONAL ORGANIZING COMMITTEE (IOC) ON
SURFACE-BASED INSTRUMENTS INTERCOMPARISONS**

First Session

Trappes, France, 24-28 November 2003

**TEST METHODS FOR COMPARING THE PERFORMANCE OF THERMOMETER
SHIELDS/SCREENS AND DEFINING IMPORTANT CHARACTERISTICS**

(Submitted by Mr Leroy, ET Chair)

Summary and purpose of document

This document provides information on the international standard that defines characteristics of a thermometer shield/screen and defines test methods to inter-compare the behaviour of different screen designs.

Action proposed

The meeting is invited to take into account information presented in this document when discussing combined intercomparison of thermometer screen/shields with humidity measurements.

Test methods for comparing the performance of thermometer shields/screens and defining important characteristics

1. The international standard, ISO/CD 17714 has been prepared and provisionally agreed by ISO in the area of Meteorology – Air Temperature Measurements related to the Test methods for comparing the performance of thermometer shields/screens and defining important characteristics. See Annex I for ISO/CD 17714. This draft standard will be very soon proposed to ISO as a DIS (Draft International Standard), to be distributed for vote to ISO members.
2. This international standard defines the Test conditions, Field test methods, Measurement of screen characteristics as well as Influencing factors and Useful test report graphs.
3. It is suggested that ET on SBII&CM and the IOC would follow this international standard in organizing and performing the combined comparison of of thermometer screen/shields with humidity measurements.

ISO/CD 17714

Meteorology – Air Temperature Measurements - Test methods for comparing the performance of thermometer shields/screens and defining important characteristics.

Annex I is a separate ZIP file:

[ISO_CD 17714 Comparison of Thermometer screens.zip](#)



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