

WORLD METEOROLOGICAL ORGANIZATION

**COMMISSION FOR INSTRUMENTS AND
METHODS OF OBSERVATION**
OPAG-UPPER-AIR

**JOINT MEETING OF THE
CIMO EXPERT TEAM ON UPPER-AIR SYSTEMS
INTERCOMPARISONS**
Third Session

and

**INTERNATIONAL ORGANIZING COMMITTEE (IOC) ON
UPPER-AIR SYSTEMS INTERCOMPARISONS**
Third Session

PAYERNE, SWITZERLAND, 2-6 JUNE 2008

CIMO/OPAG-UPPER-AIR/
ET-UASI-3 /IOC-3/Doc. 1.2(2)

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ITEM: 1.2

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EXPLANATORY MEMORANDUM

1. ORGANIZATION OF THE SESSION

1.1 Opening of the session

The joint third session of the CIMO Expert Team on Upper-Air Systems Intercomparisons (ET) and the third session of the International Organizing Committee on Upper-Air Systems Intercomparisons (IOC) will be opened on Monday, 2 June 2008, at 09:30 hours at the Aerological Station Payerne.

1.2 Adoption of the agenda

The provisional agenda will be submitted to the meeting for adoption.

1.3 Working arrangements for the session

The Meeting will agree on details concerning the organization of its work, including working hours. The documentation and meeting will be conducted in English only.

2. REPORT OF THE CHAIRPERSON

The ET/IOC Chairperson will submit a report on the activities carried out by the ET since CIMO-XIV (2006) with accordance to the Terms of Reference (TOR) approved by CIMO MG-5 and the consequent Working Plan of ET.

3. REVIEW OF PREVIOUS INTERCOMPARISONS AND TESTS

The meeting will review the recent WMO / international / national intercomparisons and tests, consider tests results as well as consequent changes to systems. A progress of testing "universal" upper-air systems (flexible systems) will be discussed. Presentations on progress in the further development of other upper-air measurement system will be conducted. ET Chair will brief the meeting on requirements for further intercomparisons. Participants are invited to provide their views and contributions in relation to this agenda item.

In addition the ET Chairperson will provide an overview of the recent monitoring results on Radiosonde Compatibility.

4. TESTING REQUIREMENTS FOR THE GRUAN NETWORK

The Meeting will be briefed on outcomes of the Initiation GCOS Reference Upper-Air Network Meeting (GRUAN), Germany, from 26 to 28 February 2008.

5. REQUIREMENTS FOR TESTING AMDAR MEASUREMENTS

The presentation on E-AMDAR Humidity comparisons with radiosonde conducted by UK Met Office will be given. Participants are invited to provide their views and contributions in relation to this agenda item.

6. REVIEW OF RELEVANT GUIDANCE MATERIAL FOR NECESSARY UPDATES

Participants are invited to provide their views and contributions to review and update relevant guidance material, such as WMO Technical Regulations, Guides and other materials with a special emphasis on Quality Management and standardization of upper-air observations.

7. WMO INTERCOMPARISON OF HIGH QUALITY RADIOSONDE SYSTEMS WITH A PRIORITY GIVEN TO IMPROVED TEMPERATURE AND RELATIVE HUMIDITY MEASUREMENTS SINCE LAST WMO INTERCOMPARISON

The joint ET and IOC meeting is expected to agree on the organization of the WMO High Quality Radiosonde Regional Intercomparison, Region II, China, namely the main objectives, place, date and duration of the intercomparison, condition for participation, data acquisition, processing and analysis methodology, plans for the publication of results, intercomparison rules, and responsibilities of the host and participants. In doing so, the meeting would follow the Procedures of WMO Global and Regional Intercomparisons of Instruments and Guidelines for Organizing WMO Intercomparisons of Instruments as specified in *Guide to Meteorological Instruments and Methods of Observation*, WMO-No.8, Chapter 5, Annex 5.A and Annex 5.B respectively.

8. WORK PLAN

The Meeting is invited to review the ET Work Programme and make necessary adjustment.

9. ANY OTHER BUSINESS

Under this agenda item, the Members will be invited to discuss issues brought forward by participants at the meeting.

10. CLOSURE OF THE SESSION

The meeting is tentatively scheduled to close on Friday, 6 June 2008, late afternoon.
