

WORLD METEOROLOGICAL ORGANIZATION

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

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JOINT MEETING

CIMO/OPAG-UPPER-AIR/
/ET-UASI-1/IOC-1/Doc. 8

**CIMO EXPERT TEAM ON
UPPER-AIR SYSTEMS INTERCOMPARISONS**
First Session

(26.I.2004)

AND

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

ITEM: 8

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GENEVA (SWITZERLAND), 17-20 MARCH 2004

WORK PLAN

(Submitted by the Secretariat)

Summary and purpose of document

This document contains a draft Work Plan of ET on UASI.

Action proposed

The meeting is invited to examine the draft Work Plan for ET on UASI and to decide on a final plan.

Work Plan of the Expert Team on Upgrading the Global Radiosonde Network

1. Based on the CIMO-XIII decisions, the CIMO Management Group (CIMO-MG) decided on a Milestone Plan to provide a basic guidance for planning of CIMO activities. The Milestone Plan is based on CIMO OPAGs' structure and their respective TOR. The Plan should assist co-chairpersons of OPAGs and leaders of ETs in preparing their Work Plans.
2. Draft Work Plan of the Expert Team, as presented in the Annex, takes into account the Tasks to be undertaken by the CIMO OPAGs, the TOR of Expert Teams and the CIMO-MG Milestone Plan.

ANNEX

WORK PLAN
(2003-2006)
Expert Team on Upper-Air Systems Intercomparisons

<i>No.</i>	<i>Task description</i>	<i>Person responsible</i>	<i>Action</i>	<i>Deadline</i>	<i>Deliverables</i>	<i>Deadline</i>
1	Improve the global radiosonde network:					
1 a)	In collaboration with HMEI, organize and evaluate WMO radiosonde intercomparisons to detect error characteristics of various types of aerological measurement systems and deal with the technical issues involved in modernizing and improving the accuracy of the radiosonde component of the upper-air network	John NASH Henk KLEIN BALINK Chair of IOC	1. Finalize results of outstanding intercomparison 2. Analysis of benefits from including remote sensing systems 3. Planning for intercomparison of candidate systems		<ul style="list-style-type: none"> • Published results of the outstanding intercomparison • Report on Benefits from inclusion of remote sensing systems • Publication of results and new working "reference" for future radiosonde comparisons • Updated guidance on radiosonde error characteristics 	
1 b)	Coordinate testing of new radiosonde types in conjunction with HMEI	Yatian GUO Carl BOWER	1. Develop procedures for coordination of new radiosonde types with HMEI 2. Monitor testing on Regional and National levels		<ul style="list-style-type: none"> • IOM Report on Procedures for coordination with HMEI in testing new types of radiosondes • Annual reports on radiosonde testing 	
1 c)	Review procedures of publication of results of WMO Radiosonde Comparisons	Jean-Louis GAUMET Carl BOWER	1. Develop procedures of publication of results of WMO Radiosonde Comparisons		<ul style="list-style-type: none"> • Reference procedures for radiosonde intercomparisons and updated CIMO Guide 	
1 d)	Organize and evaluate WMO intercomparison of remote and in situ U/A sounding systems	John NASH & Beenay PATHACK	1. Identify possible host countries for the intercomparisons		<ul style="list-style-type: none"> • Published results of the intercomparisons 	

No.	Task description	Person responsible	Action	Deadline	Deliverables	Deadline
			2. Define and agree on the organization of the intercomparisons, namely: main objective, place, date, duration, conditions for participation, data acquisition, processing and analysis methodology, publication of results, intercomparison rules, responsibility of the host(s) and responsibilities of participants 3. Identify type of instruments and participants for the intercomparisons 4. Overall supervision and coordination of the field intercomparisons			
2	Provide advice on <i>Quality Management Systems</i> procedures for instruments and methods of observation (based on the CIMO Guide) and implement links with relevant international organization active on this area					
2 a)	Develop performance measures to demonstrate continuous improvement in the quality of observations	Carl BOWER Yatian GUO	1. In collaboration with ET C.2, develop basic procedures for quality management of observations, instrument maintenance, calibration and operational practices		<ul style="list-style-type: none"> • IOM Report on Basic procedures for quality management of observations, instrument maintenance, calibration and operational practices 	
2 b)	Contribute to the review and update of WMO Technical Regulations, Guides and other material related to Quality Management and standardization of observations	Henk KLEIN BALTINK Jean-Louis GAUMET	1. In collaboration with ET C.2, prepare proposal for relevant updates of CIMO Guide 2. In collaboration with ET C.2, prepare proposals for update of WMO Technical Regulations and Guides		<ul style="list-style-type: none"> • CIMO Guide updated • Proposals submitted to CIMO-XIV 	