

WORLD METEOROLOGICAL ORGANIZATION

CIMO/MG-2/Doc.3.4.3
(6.IV.2005)

COMMISSION FOR INSTRUMENTS AND METHODS
OF OBSERVATION

ITEM: 3.4

CIMO MANAGEMENT GROUP
Second session

Original: ENGLISH ONLY

Bucharest, Romania 2 – 3 May 2005

Status and plan for update of the CIMO Guide

(Submitted by the Secretariat)

Summary and purpose of document

This document provides an overview of work done on the update of the *CIMO Guide* and a plan to finalize new edition of the *Guide*.

Action proposed

The meeting is invited to review the work done on the update of the *CIMO Guide* and decide on further steps to finalize new edition of the *CIMO Guide*.

Status of update of the *CIMO Guide*

1. CIMO-XII agreed that a continuous review and update of the *Guide* is needed due to the rapid development of technology and observing practices. It invited the Secretary-General to support this by providing the necessary recourses.
2. In order to keep the *Guide* under review and develop updates, the Commission requested its president to consider establishing a task team within the Advisory Working Group (AWG). AWG considered this task as an important one to be done by all members of AWG and requested Mr Dombrowsky to act as focal point for updating the *CIMO Guide*.
3. Revisions were suggested in 20 of the 32 chapters of the *Guide*. Also two new chapters on "Urban observations" and "Road Meteorological Measurements" were proposed. Some proposals for a revision were accompanied by a revised text and some only requested that a particular text has to be revised. Many of the comments involved technical corrections or clarifications. There were also instances where the instruments described are obsolete, or new technology has become available.
4. Mr Pannett (New Zealand) was contracted in 2002 by the Secretariat to review comments and suggestions on updates relevant to Part I of the *Guide* received from AWG. He revised 6 chapters of the *Guide* and draft revisions were sent to Mr Dombrowsky for further action.
5. The CIMO-MG-1, Long Beach, February 2003, discussed the unfavorable situation with updating the *CIMO Guide*, mainly due to the lack of resource persons with relevant expertise. MG-1 agree on the new plan and mechanism for updating of the *CIMO Guide*, indicating the responsible persons and a time frame for updates of individual chapters.
6. Mr Pannett was contracted in 2003 by the Secretariat to assist in reviewing, updating and supplementing the *CIMO Guide*. By the end of 2003, a draft edit was finished for 19 chapters, final edit for two chapters and two chapters were approved for publication. Due to the slow process of "final" edit the contractor was not supplied with enough work to justify the agreed honorarium, part of which was subsequently withdrawn and service agreement terminated.
7. Mr Pannett was contracted again in 2004. By the end of 2004, a draft edit was finished for 26 chapters, final edit for 10 chapters and 9 chapters were approved for publication. Again, the part of the honorarium was withdrawn and service agreement extended until 30 March 2005. At this day, five chapters are still not fully finalized.
8. The status table on *CIMO Guide* updates at the end of March 2005 is in the Annex.

Further actions and plan for update of the *CIMO Guide*

9. Remaining chapters should be completed in collaboration with the chairperson of the ET on CIMO Guide and Information Dissemination before end of May 2005.
10. A decision has to be made on the need to up-date and restructure Part III "Quality Assurance and Management of Observing Systems" with respect to quality management guidelines and ISO standards. If yes, should this be done still in the 7th edition?
11. Chapters approved for publication should be submitted to the WMO's Conference, Printing and Publication Department by the end of June 2005 for language proofing, updates of graphs and pictures and printing. Electronic version of *CIMO Guide* in English should be out in mid 2006, hardcopy version in late 2006.

Ch./ Part		PROPOSALS FOR UPDATES	DRAFT EDIT		FINAL EDIT		APPROVAL OF FINAL EDIT	
			Due Date	Date Complete	Due Date	Date Complete	Due Date	Date Complete
P.I	MEASUREMENT OF METEOROLOGICAL VARIABLES							
1	General	Yes		Aug 02	Apr 04 Comment rec. from JvdM 6/09/04	Revised & to JvdM for approval 18/02/05	May 03	21/03/05 to R. Stringer
2	Measurement of temperature	Yes		Aug 02	Mar 03 Comment rec. from JvdM 8/07	Revised & to JvdM for approval 21/02/05	May 03	28/03/05 to R. Stringer
3	Measurement of atmospheric pressure	Yes		Aug 02	Mar 03 Comment rec. from JvdM 8/07	Comment rec. from JvdM & revised edit to him 7/7/04	May 03	28/03/05 to R. Stringer
4	Measurement of humidity	Yes	Proposals rec. from JvdM 28/03/05					
5	Measurement of surface wind	Yes		Aug 02	Mar 03 Comment rec. from JvdM 8/07	Comment rec. from JvdM & revised edit to him for Approval 10/7/04	May 03	29/03/05 to R. Stringer
6	Measurement of precipitation	Yes		Aug 02	Mar 03 Comment rec. from JvdM 8/07	Final draft rec, from JvdM 21/01/05	May 03	16/02/05 to R. Stringer
7	Measurement of radiation	Yes		Oct 03	Apr 04 Comment rec. from Behrens 16/04	To C. Richter for approval 26/04	May 04	12/05/04 to R. Stringer
8	Measurement of sunshine duration	Yes		Jul 03	Jul 03 New Annex edited by Behrens 16/04	To C. Richter for approval 21/03/05	Sep 03	
9	Measurement of visibility	Yes		Jul 03	Jul 03	To Richter for approval 25/08/03	Oct 03	03/12/04 to R. Stringer
10	Measurement of evaporation	Yes	Apr 03	Sep 03	Jul 03 New comment rec. from JvdM 15/09/04	Final draft rec, from JvdM 21/01/05	Nov 03	10/02/05 to R. Stringer
11	Measurement of soil moisture	Yes	Rec. from J.Wieringa 25/04/04	May 04		Final draft rec, from JvdM 21/01/05		22/02/05 to R. Stringer
12	Measurement of upper air pressure, temperature, humidity	Yes		Mar 03	Apr 03 With Nash 22/08/03	Final draft rec, from JN 31/03/05 No action taken	Jun 03	
13	Measurement of upper wind	Yes; text for GPS?		Feb 03	Apr 03 With Nash , 22/08/03	Final draft rec, from JN 31/03/05 No action taken	Aug 03	
14	Observation of present and past	Yes; text?		May 03	To JvdM to resolve Q	Final draft rec, from	Mar 05	2/04/05 to R.

	weather; state of the ground				11/07/03	JvdM 30/03/05		Stringer
15	Observation of clouds	Yes; text?		May 03	Oct 03 New comment from JvdM 16/09/04	To JvdM for Approval 19/10/04	Jan 04	19/10/04 to R. Stringer
16	Measurement of ozone	Yes Proposals rec. from Richter 02/07		Draft to Richter to resolve Q 28/02/04	Returned from Richter 1/12/04. Ondras refers to AREP 3/12/04	Final draft from Dr Vanicek		18/03/05 to R. Stringer
17	Measurement of atmospheric composition	Yes		6 May	Apr 03	04/03/04	Jul 03	04/03/04 to R. Stringer

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P.II	OBSERVING SYSTEMS							
1	Measurements at automatic weather stations	Yes		Apr 04	Oct 03	To JvdM for Approval 18/10/04	Jan 04	
2	Measurements and observations at aeronautical meteorological stations	Yes		Oct 03	Oct 03 With Jitze - req. for text 5/10/03		Feb 04	
3	Aircraft observations	Yes		Dec 03	Oct 03		Jan 04	27/02/04 to R. Stringer
4	Marine observations	No						
5	Special profiling techniques for the boundary layer and the troposphere	No						
6	Rocket measurements in the stratosphere and mesosphere	No						
7	Locating the sources of atmospheric	No						
8	Satellite observations	No						
9	Radar measurements	Yes		31 Aug 03		20 Sep	Jan 04	30/09/03 to R. Stringer

10	Balloon techniques	Yes		9 Apr 03		04 Sep	Jun 03	07/09/03 to R. Stringer
11	Urban observations	New chapter by R.D.Vashistha under review by Prof.T. Oke	Draft received from Oke Mar 04	19 Apr 04	Oct 03 New draft after advice from T. Oke	To C. Richter for approval 01/06/04 Appr'd 29/09/04	Jan 04	30/09/04 to R. Stringer
12	Road meteorological measurements	New chapter by T.Ledent		25 Apr 04	Mar 03 New comment rec from JvdM 13/09/04	To JvdM for Approval 20/10/04	May 03	14/01/05 to R. Stringer

Ch./Part		PROPOSALS FOR UPDATES	DRAFT EDIT		FINAL EDIT		APPROVAL OF FINAL EDIT	
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P.III	QUALITY ASSURANCE AND MANAGEMENT OF OBSERVING SYSTEMS							
1	Sampling meteorological variables	Yes		28 Jul 03	Apr 03	Sent to Ray C. for approval 28/07/03		05/03/05 to M. Ondras
2	Data reduction	No						
3	Quality management	Yes		24 Sep 04				06/11/04 to R. Stringer
4	Training of instrument specialists	No						10/03/05 to M. Ondras
5	Testing, calibration and intercomparison	Yes	Oct 03	29 Oct 03	Dec 03	Sent to Ray C. for approval 29/10/03	Feb 04	07/03/05 to M. Ondras
	OTHER CIMO DOCS							
	IOM 68			05 Jun 04		Edit complete (except new content identified). With JvdM. 22/06/04		
App	APPENDICES							
I	Bibliography	Request to PRs Dec 2004						

Dates in Green indicate completion of a stage, while dates in Red indicate a deadline passed.