

WORLD METEOROLOGICAL ORGANIZATION

RA II/WG/PIW/Doc. 5.1, REV. 1
(4.IX.2003)

REGIONAL ASSOCIATION II
(ASIA)

ITEM 5

ENGLISH ONLY

**WORKING GROUP ON PLANNING AND
IMPLEMENTATION OF THE WWW IN REGION II
FOURTH SESSION**

MOSCOW, 10-13 SEPTEMBER 2003

STATUS OF WWW IMPLEMENTATION AND OPERATIONS

Results of the quantitative monitoring of the WWW

(Submitted by the Secretariat)

Summary and purpose of document

This document includes an analysis of the annual global monitoring of the operation of the WWW carried out from 1 to 15 October 2002.

ACTION PROPOSED

The group is invited to take into account the information provided in the document when considering improvements to be made in the implementation of the GOS and GTS in the Region.

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- Appendices:**
- A. Analysis of the results of the 2002 annual global monitoring of the operation of the WWW for SYNOP and TEMP reports
 - B. Availability of CLIMAT and CLIMAT TEMP reports from RBCN stations during the 2002 Annual Global Monitoring of the operation of the WWW
 - C. Availability of SYNOP and TEMP reports at MTN centres during the last SMM exercises (July and October 2002, January and April 2003)

DISCUSSION

Annual global monitoring of the WWW carried out from 1 to 15 October 2002

1. The Secretariat received results of the 2002 annual global monitoring from 20 RA II Members. A summary of the analysis of the results of the 2002 annual global monitoring of the operation of the WWW is given in Appendices (see also for further information <http://www.wmo.ch/web/www/ois/monitor/agm/agm2002.htm>). Table A is a condensed summary of the results.

Table A

| Type of data | Reports received from 1 to 15 October 2002 at MTN centres | Reports expected to be prepared* |
|----------------|---|----------------------------------|
| SYNOP | 83% | 97% |
| Part A of TEMP | 64% | 88% |
| CLIMAT | 65% | 73% |
| CLIMAT TEMP | 61% | 67% |

Note: the percentages are calculated with the RBSN as the reference

* At stations implemented according to WMO-No. 9, Vol. A (July 2002).

SYNOP and TEMP reports issued by RBSN stations

2. The availability of SYNOP and TEMP reports from RBSN stations in Region II is not fully satisfactory. From the charts included in Appendix A showing the availability of reports (see Sections F to H of Appendix A), it can be noted that the availability of reports was not homogeneous within the Region. There are areas from where the availability of reports was not satisfactory:

- No SYNOP reports were received from Afghanistan, Cambodia and Iraq. Less than 50 per cent of the expected reports were received from Kuwait, Lao People's Democratic Republic, Myanmar, Tajikistan and Yemen.
- No TEMP reports were received from Afghanistan, Cambodia, Iraq, Lao People's Democratic Republic, Myanmar, Nepal, Qatar, Tajikistan, Turkmenistan and Yemen. Less than 50 per cent of the expected reports were received from Bangladesh, Democratic People's Republic of Korea, Iran, Kazakhstan, Mongolia, Oman, Pakistan, Russian Federation, Thailand and Uzbekistan.

3. Tables 4 and 5 of Section A of the Annex show the total availability of SYNOP and TEMP reports from RBSN stations located in Region II from 1998 to 2002. The average number of SYNOP reports received daily on the MTN increased from 3763 in 1998 to 4118 in 2002 (+9,4%) together with the number of surface RBSN stations from 1195 to 1234 (+8,3%). The average number of TEMP reports received daily on the MTN decreased from 389 in 1998 to 376 in 2002 (-3,5%), as well as the number of upper-air (RW) RBSN stations from 326 to 294 (-10,9%), resulting in an increase in terms of percentage from 60% to 64%.

4. As regards the timeliness of the reception on the MTN, 81, 82 and 83 per cent of the required SYNOP reports were available on the MTN within one hour, two and six hours, respectively, after the time of observation; 56 and 64 per cent of the required TEMP reports were available on the MTN within two and twelve hours, respectively, after the time of observation.

5. Section D of the Annex gives the list of silent stations for which SYNOP (83 stations) or TEMP (53 stations) reports were not received by the WWW monitoring centres during the

monitoring period from 1-5 October 2002. Section D also gives the list of stations from which SYNOP and/or TEMP reports were received, although these stations were not indicated as implemented in Volume A of WMO Publication No. 9.

CLIMAT and CLIMAT TEMP reports issued by RBCN stations

6. The availability of observational CLIMAT and CLIMAT TEMP reports from the RBCN stations in Region II is not fully satisfactory. From the charts included in Appendix B, it can be noted that there are areas from where the availability of reports was scarce:

- No CLIMAT reports were received from Afghanistan, Bangladesh, Cambodia, Democratic People's Republic of Korea, Iraq, Kuwait, Maldives, Tajikistan, Qatar, Viet Nam and Yemen. Less than 50 per cent of the expected reports were received from Iran, Myanmar, Russian Federation and Turkmenistan.
- No CLIMAT TEMP reports were received from Afghanistan, Cambodia, Democratic People's Republic of Korea, Iran, Iraq, Kazakhstan, Kyrgyz Republic, Kuwait, Lao People's Democratic Republic, Maldives, Myanmar, Nepal, Pakistan, Qatar, Sri Lanka, Tajikistan, Turkmenistan, Uzbekistan, Viet Nam and Yemen.

Special Monitoring of the MTN (SMM)

7. The Special Monitoring of the MTN (SMM) provides information complementary to that of the AGM. Details on the last analysis of the SMM exercises are available under <http://www.wmo.ch/web/www/ois/monitor/monitor-home.htm>. A summary of the results of the July and October 2002, and January and April 2003 SMM for SYNOP and TEMP reports is given in Appendix C. There are no significant changes in the availability of SYNOP and TEMP reports from Region II from July 2002 to April 2003. The lists of countries, for which no reports or less than 50 per cent of the expected reports were received (see above paragraph 2), are the same, except for Afghanistan and Qatar for which TEMP reports were received during the April 2003 SMM.
