

WORLD METEOROLOGICAL ORGANIZATION

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REGIONAL ASSOCIATION VI  
(EUROPE)

WORKING GROUP ON PLANNING AND  
IMPLEMENTATION OF THE WWW IN REGION VI

FIFTH SESSION

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ITEM: 5

ENGLISH ONLY

## **STATUS OF WWW IMPLEMENTATION AND OPERATIONS**

### **Availability of SYNOP, TEMP, CLIMAT and CLIMAT TEMP reports at MTN centres**

*(Submitted by the Secretariat)*

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#### **Summary and purpose of document**

This document includes an analysis of the results of the quantitative monitoring of the operation of the WWW, showing the availability of SYNOP, TEMP, CLIMAT and CLIMAT TEMP reports at MTN centres

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#### **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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**Appendix:** Analysis of the presentation of the CLIMAT and CLIMAT TEMP bulletins

**DISCUSSION**

1. A summary of the analysis of the results of the October 2003, January, April and July 2004 exercises of the Special MTN monitoring (SMM) is given in Table 1 to 8 and Figures 1 to 4. Further detailed information on these monitoring exercises is available in the WMO server under <http://www.wmo.int/web/www/ois/monitor/monitor-home.htm>.

**Availability of SYNOP and TEMP reports from RBSN stations at MTN centres**

2. Table A is a condensed summary of the SMM results for SYNOP and TEMP reports.

**Table A**

Type of data	Reports received on average during the October 2003, January, April and July 2004 SMM	Reports expected to be prepared*
SYNOP	95%	100%
Part A of TEMP	74%	91%

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

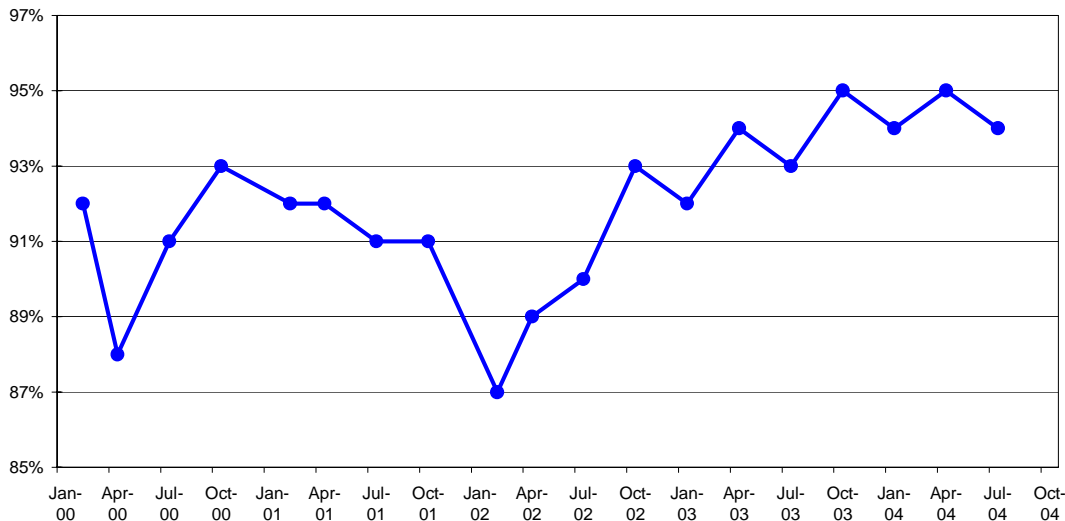
\* At stations implemented according to WMO-No. 9, Vol. A (July 2004).

3. The following deficiencies were found during the four SMM exercises:

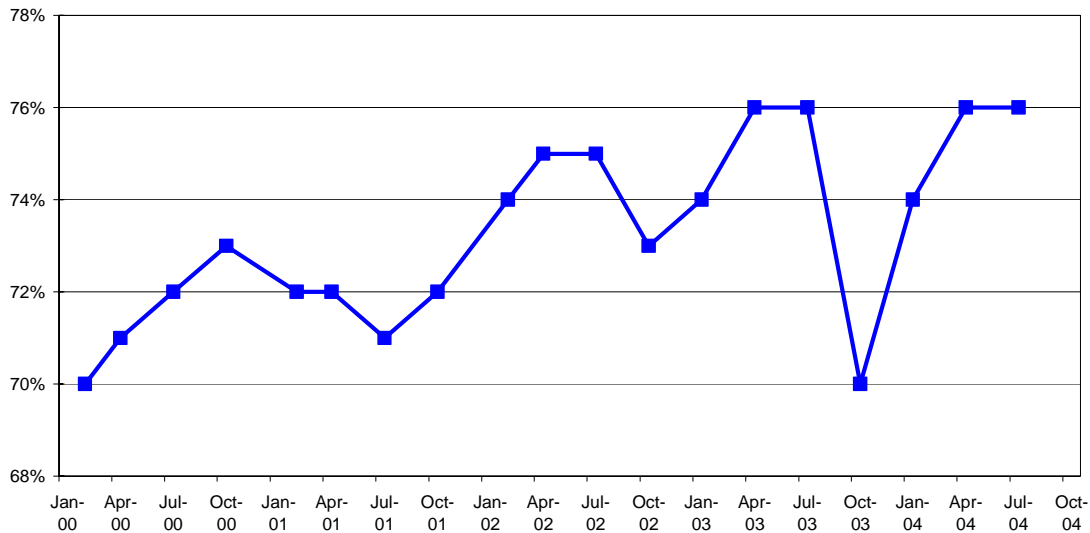
- Only 39 per cent and 49 per cent of the expected SYNOP reports were received from Azerbaijan and Lebanon respectively. Nine stations were silent during the four SMM exercises (see Table 5).
- No TEMP reports were received from Belgium, Slovenia and The Former Yugoslav Republic of Macedonia. Less than 30 per cent of the expected TEMP reports were received from Armenia, Latvia, Lebanon and Lithuania. Less than 51 per cent of the expected TEMP reports were received from Bulgaria, Cyprus, Estonia, Jordan, Portugal, Romania, Serbia and Montenegro and Ukraine. Eight stations were silent during the four SMM exercises (see Table 6).

4. Tables B and C show the availability of SYNOP and TEMP reports from RBSN stations located in Region VI from 2000 to 2004. The availability of SYNOP reports oscillated around 93 per cent during the period 2000-2004, ant that of TEMP reports around 73 per cent.

**Table B - Number of SYNOP reports received during the AGM and SMM exercises from the RBSN stations located in Region VI**



**Table C - Number of TEMP reports received during the AGM and SMM exercises from the RBSN stations located in Region VI**



**Availability of CLIMAT and CLIMAT TEMP reports from RBCN stations at MTN centres**

5. The analysis of the Annual Global Monitoring (AGM) of the WWW and of the SMM shows lower figures for the availability of the CLIMAT and CLIMAT TEMP reports at MTN centres for the SMM exercises than for the AGM exercises. This is mainly due to the fact that the AGM statistics include the availability of the reports at 14 MTN centres instead of three for the SMM, and that the pre-analysis of the SMM raw data made by Cairo systematically rejects the reports for which the format of presentation is not conform to the WMO standards. The monitoring of the exchange of CLIMAT and CLIMAT TEMP bulletins on the GTS shows major deficiencies in the application of WMO standards for the presentation of CLIMAT and CLIMAT TEMP bulletins. The WMO Secretariat investigated deficiencies in the application of WMO standards in the presentation of CLIMAT and CLIMAT TEMP bulletins. A summary of the analysis of the presentation of CLIMAT and CLIMAT TEMP bulletins is given in Appendix. The WMO Secretariat informed the WMO Member countries of the deficiencies found for each country and invited them to take action in order to eliminate the deficiencies. The results of the action taken will be further monitored during the next periods of the Special MTN monitoring.

6. Table D is a condensed summary of the AGM results for CLIMAT and CLIMAT TEMP reports.

**Table D**

Type of data	Reports received during the October 2003 AGM	Reports expected to be prepared*
CLIMAT	84%	80%
CLIMAT TEMP	77%	87%

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

\* At stations implemented according to WMO-No. 9, Vol. A (July 2003).

7. The following deficiencies were found during the four SMM exercises:

- No CLIMAT reports were received from Georgia, Lebanon and The Former Yugoslav Republic of Macedonia. Less than 51 per cent of the expected CLIMAT reports were

received from Azerbaijan, Bulgaria, Iceland, Kazakhstan, Latvia, Slovakia and Slovenia. Fifty-six stations were silent during the four SMM exercises (see Table 7).

- No CLIMAT TEMP reports were received from Croatia, Greece, Lebanon, Ukraine and The Former Yugoslav Republic of Macedonia. Less than 30 per cent of the expected CLIMAT TEMP reports were received from Denmark, Greenland and Turkey. Less than 51 per cent of the expected CLIMAT TEMP reports were received from Latvia, Netherlands, Poland, Serbia and Montenegro, and UK. Eleven stations were silent during the four SMM exercises (see Table 8).

**Availability of SYNOP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs						
	RBSNs	Volume A July 2004	Percentage of reports received with reference to the four RBSNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	

RTH Exeter							
Gibraltar	1	4 (100 %)	98 %	100 %	100 %	97 %	99 %
Greenland	33	132 (100 %)	89 %	83 %	88 %	73 %	83 %
Iceland	10	40 (100 %)	97 %	98 %	98 %	85 %	95 %
Ireland	8	32 (100 %)	100 %	100 %	100 %	98 %	100 %
Netherlands	9	36 (100 %)	98 %	99 %	95 %	98 %	98 %
United Kingdom of Great Britain and Northern Ireland	32	128 (100 %)	96 %	95 %	96 %	96 %	96 %
Total:	93	372 (100 %)	94 %	92 %	94 %	87 %	92 %

RTH Moscow							
Armenia	3	12 (100 %)	83 %	97 %	97 %	85 %	91 %
Azerbaijan	7	28 (100 %)	41 %	40 %	41 %	34 %	39 %
Belarus	10	40 (100 %)	100 %	100 %	100 %	100 %	100 %
Georgia	1	4 (100 %)	95 %	87 %	98 %	98 %	95 %
Moldova, Republic of	1	4 (100 %)	98 %	100 %	98 %	98 %	99 %
Russian Federation	114	456 (100 %)	92 %	92 %	92 %	93 %	92 %
Ukraine	37	148 (100 %)	100 %	100 %	100 %	100 %	100 %
Total:	173	692 (100 %)	92 %	92 %	92 %	93 %	92 %

No RTH responsible for these countries/ areas							
Bosnia and Herzegovina	3	12 (100 %)	96 %	98 %	98 %	98 %	98 %
Kazakhstan	3	12 (100 %)	97 %	98 %	99 %	82 %	94 %

**Availability of SYNOP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs						
	RBSNs	Volume A July 2004	Percentage of reports received with reference to the four RBSNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	

No RTH responsible for these countries/ areas							
Luxembourg	1	4 (100 %)	98 %	98 %	100 %	100 %	99 %
Total:	7	28 (100 %)	97 %	98 %	99 %	92 %	97 %

RTH Norrkoping							
Denmark and Faroe Islands	7	28 (100 %)	100 %	99 %	100 %	99 %	100 %
Estonia	7	28 (100 %)	100 %	100 %	100 %	100 %	100 %
Finland	22	88 (100 %)	99 %	98 %	99 %	100 %	99 %
Latvia	6	24 (100 %)	100 %	100 %	100 %	100 %	100 %
Lithuania	7	28 (100 %)	100 %	100 %	100 %	100 %	100 %
Norway	34	136 (100 %)	97 %	97 %	98 %	99 %	98 %
Sweden	40	160 (100 %)	98 %	96 %	98 %	97 %	97 %
Total:	123	492 (100 %)	98 %	97 %	99 %	98 %	98 %

RTH Offenbach							
Germany	27	108 (100 %)	97 %	100 %	100 %	100 %	99 %
Israel	3	12 (100 %)	96 %	100 %	99 %	100 %	99 %
Jordan	4	16 (100 %)	91 %	83 %	76 %	75 %	81 %
Switzerland and Liechtenstein	7	28 (100 %)	100 %	100 %	100 %	100 %	100 %
Total:	41	164 (100 %)	97 %	98 %	97 %	98 %	98 %

RTH Prague							
Czech Republic	7	28 (100 %)	100 %	100 %	100 %	100 %	100 %

**Availability of SYNOP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs						
	RBSNs	Volume A July 2004	Percentage of reports received with reference to the four RBSNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	

RTH Prague							
Poland	22	88 (100 %)	98 %	100 %	99 %	99 %	99 %
Total:	29	116 (100 %)	98 %	100 %	99 %	99 %	99 %

RTH Rome							
Greece	20	80 (100 %)	91 %	87 %	87 %	87 %	88 %
Italy	48	179 (93 %)	91 %	87 %	90 %	91 %	90 %
Lebanon	2	7 (88 %)	98 %	50 %	44 %	2 %	49 %
Malta	1	4 (100 %)	98 %	100 %	100 %	100 %	100 %
Turkey	58	232 (100 %)	98 %	96 %	99 %	96 %	97 %
Total:	129	502 (97 %)	94 %	91 %	93 %	91 %	92 %

RTH Sofia							
Bulgaria	9	36 (100 %)	100 %	100 %	100 %	99 %	100 %
Cyprus	2	8 (100 %)	96 %	100 %	100 %	100 %	99 %
Macedonia, Former Yugoslav Republic of	3	12 (100 %)	80 %	88 %	85 %	86 %	85 %
Romania	23	92 (100 %)	83 %	100 %	100 %	100 %	96 %
Serbia and Montenegro	10	40 (100 %)	96 %	97 %	93 %	79 %	91 %
Syrian Arab Republic	9	36 (100 %)	85 %	81 %	84 %	84 %	84 %
Total:	56	224 (100 %)	88 %	96 %	95 %	93 %	93 %

RTH Toulouse							
Belgium	2	8 (100 %)	98 %	80 %	84 %	85 %	87 %

**Availability of SYNOP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs						
	RBSNs	Volume A July 2004	Percentage of reports received with reference to the four RBSNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	
<b>RTH Toulouse</b>							
France	42	168 (100 %)	100 %	99 %	97 %	98 %	99 %
Portugal and Azores	16	64 (100 %)	100 %	98 %	98 %	98 %	99 %
Spain	32	128 (100 %)	89 %	92 %	89 %	88 %	90 %
Total:	92	368 (100 %)	96 %	96 %	94 %	94 %	95 %
<b>RTH Vienna</b>							
Austria	7	28 (100 %)	100 %	100 %	100 %	100 %	100 %
Croatia	7	28 (100 %)	98 %	96 %	96 %	96 %	97 %
Hungary	7	28 (100 %)	99 %	100 %	100 %	100 %	100 %
Slovakia	4	16 (100 %)	100 %	100 %	98 %	100 %	100 %
Slovenia	2	8 (100 %)	98 %	99 %	100 %	100 %	99 %
Total:	27	108 (100 %)	99 %	99 %	99 %	99 %	99 %
<b>TOTAL REGION VI</b>							
Total Region VI:	770	3066 (100 %)	95 %	94 %	95 %	94 %	95 %



**Availability of TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs						
	RBSNs	Volume A July 2004	Percentage of reports received with reference to the four RBSNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	
<b>RTH Exeter</b>							
Gibraltar	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %
Greenland	5	10 (100 %)	79 %	92 %	81 %	91 %	86 %
Iceland	1	2 (100 %)	100 %	97 %	90 %	97 %	96 %
Ireland	1	2 (100 %)	100 %	97 %	100 %	100 %	99 %
Netherlands	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %
United Kingdom of Great Britain and Northern Ireland	7	10 ( 71 %)	71 %	68 %	70 %	71 %	70 %
Total:	16	28 ( 88 %)	81 %	83 %	80 %	84 %	82 %
<b>RTH Moscow</b>							
Armenia	1	1 ( 50 %)	37 %	0 %	47 %	33 %	29 %
Russian Federation	24	46 ( 96 %)	39 %	69 %	75 %	72 %	64 %
Ukraine	8	16 (100 %)	36 %	43 %	41 %	43 %	41 %
Total:	33	63 ( 95 %)	38 %	61 %	66 %	64 %	57 %
<b>RTH Norrkoping</b>							
Denmark and Faroe Islands	2	4 (100 %)	97 %	93 %	88 %	85 %	91 %
Estonia	1	1 ( 50 %)	50 %	50 %	50 %	50 %	50 %
Finland	3	6 (100 %)	61 %	67 %	67 %	67 %	66 %
Latvia	1	2 (100 %)	23 %	13 %	0 %	0 %	9 %
Lithuania	1	1 ( 50 %)	0 %	23 %	0 %	27 %	13 %
Norway	8	14 ( 88 %)	83 %	79 %	78 %	78 %	80 %
Sweden	4	8 (100 %)	92 %	93 %	94 %	96 %	94 %
Total:	20	36 ( 90 %)	74 %	74 %	71 %	73 %	73 %
<b>RTH Offenbach</b>							
Germany	12	24 (100 %)	96 %	98 %	98 %	92 %	96 %
Israel	1	2 (100 %)	97 %	100 %	100 %	100 %	99 %
Jordan	1	1 ( 50 %)	50 %	47 %	40 %	43 %	45 %

**Availability of TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs						
	RBSNs	Volume A July 2004	Percentage of reports received with reference to the four RBSNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	
<b>RTH Offenbach</b>							
Switzerland and Liechtenstein	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %
Total:	15	29 ( 97 %)	93 %	95 %	94 %	90 %	93 %
<b>RTH Prague</b>							
Czech Republic	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %
Poland	3	6 (100 %)	99 %	100 %	98 %	100 %	99 %
Total:	4	8 (100 %)	99 %	100 %	98 %	100 %	99 %
<b>RTH Rome</b>							
Greece	3	4 ( 67 %)	96 %	96 %	98 %	93 %	96 %
Italy	7	14 (100 %)	75 %	77 %	84 %	79 %	79 %
Lebanon	1	2 (100 %)	0 %	0 %	43 %	20 %	16 %
Turkey	7	14 (100 %)	100 %	84 %	100 %	100 %	96 %
Total:	18	34 ( 94 %)	84 %	79 %	90 %	86 %	85 %
<b>RTH Sofia</b>							
Bulgaria	1	1 ( 50 %)	50 %	50 %	50 %	50 %	50 %
Cyprus	1	1 ( 50 %)	50 %	50 %	47 %	47 %	49 %
Macedonia, Former Yugoslav Republic of	1	0 ( 0 %)	0 %	0 %	0 %	0 %	0 %
Romania	3	4 ( 67 %)	33 %	44 %	50 %	50 %	44 %
Serbia and Montenegro	1	1 ( 50 %)	53 %	43 %	43 %	40 %	45 %
Total:	7	7 ( 50 %)	36 %	40 %	41 %	41 %	40 %
<b>RTH Toulouse</b>							
Belgium	1	2 (100 %)	0 %	0 %	0 %	0 %	0 %
France	7	14 (100 %)	100 %	100 %	97 %	99 %	99 %
Portugal and Azores	2	4 (100 %)	78 %	35 %	38 %	50 %	50 %
Spain	6	12 (100 %)	81 %	78 %	83 %	81 %	81 %

**Availability of TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBSNs						
	RBSNs	Volume A July 2004	Percentage of reports received with reference to the four RBSNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	
<b>RTH Toulouse</b>							
Total:	16	32 (100 %	84 %	78 %	78 %	80 %	80 %
<b>RTH Vienna</b>							
Austria	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %
Croatia	1	2 (100 %)	100 %	100 %	97 %	100 %	99 %
Hungary	2	3 ( 75 %)	65 %	68 %	70 %	73 %	69 %
Slovakia	1	2 (100 %)	100 %	100 %	100 %	100 %	100 %
Slovenia	1	0 ( 0 %)	0 %	0 %	0 %	0 %	0 %
Total:	6	9 ( 75 %)	72 %	73 %	73 %	74 %	73 %
<b>TOTAL REGION VI</b>							
Total Region VI:	135	246 ( 91 %	69 %	74 %	76 %	76 %	74 %

**Availability of CLIMAT reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBCNs						
	RBCNs	Volume A July 2004	Percentage of reports received with reference to the four RBCNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	
<b>RTH Exeter</b>							
Gibraltar	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Greenland	8	8 (100 %)	100 %	100 %	100 %	100 %	100 %
Iceland	5	2 (40 %)	40 %	40 %	40 %	40 %	40 %
Ireland	8	8 (100 %)	75 %	13 %	100 %	88 %	69 %
Netherlands	4	3 (75 %)	100 %	100 %	100 %	100 %	100 %
United Kingdom of Great Britain And Northern Ireland	21	16 (76 %)	100 %	100 %	100 %	100 %	100 %
Total:	47	38 (81 %)	89 %	79 %	94 %	91 %	88 %
<b>RTH Moscow</b>							
Armenia	3	1 (33 %)	100 %	100 %	100 %	67 %	92 %
Azerbaijan	6	6 (100 %)	83 %	0 %	83 %	0 %	42 %
Belarus	12	12 (100 %)	100 %	100 %	100 %	100 %	100 %
Georgia	1	1 (100 %)	0 %	0 %	0 %	0 %	0 %
Moldova, Republic of	2	1 (50 %)	100 %	50 %	100 %	100 %	88 %
Russian Federation	12	12 (100 %)	100 %	100 %	100 %	92 %	98 %
Ukraine	30	27 (90 %)	47 %	47 %	47 %	100 %	60 %
Total:	66	60 (91 %)	73 %	64 %	73 %	86 %	74 %
<b>No RTH responsible for these countries/ areas</b>							
Bosnia And Herzegovina	6	3 (50 %)	67 %	50 %	67 %	67 %	63 %
Kazakhstan	2	2 (100 %)	50 %	50 %	50 %	50 %	50 %
Luxembourg	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Total:	9	6 (67 %)	67 %	56 %	67 %	67 %	64 %
<b>RTH Norrkoping</b>							
Denmark and Faroe Islands	4	3 (75 %)	100 %	100 %	100 %	100 %	100 %
Estonia	3	3 (100 %)	100 %	100 %	100 %	100 %	100 %
Finland	11	10 (91 %)	100 %	100 %	100 %	100 %	100 %
Latvia	4	3 (75 %)	75 %	0 %	25 %	75 %	44 %

**Availability of CLIMAT reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBCNs						
	RBCNs	Volume A July 2004	Percentage of reports received with reference to the four RBCNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	
<b>RTH Norrkoping</b>							
Lithuania	5	4 ( 80 %)	100 %	100 %	100 %	100 %	100 %
Norway	14	12 ( 86 %)	100 %	100 %	100 %	100 %	100 %
Sweden	17	13 ( 76 %)	82 %	76 %	82 %	82 %	81 %
Total:	58	48 ( 83 %)	93 %	86 %	90 %	93 %	91 %
<b>RTH Offenbach</b>							
Germany	58	57 ( 98 %)	66 %	66 %	98 %	98 %	82 %
Israel	3	2 ( 67 %)	100 %	100 %	100 %	100 %	100 %
Jordan	4	4 (100 %)	100 %	25 %	100 %	25 %	63 %
Switzerland And Liechtenstein	5	4 ( 80 %)	100 %	100 %	100 %	100 %	100 %
Total:	70	67 ( 96 %)	71 %	67 %	99 %	94 %	83 %
<b>RTH Prague</b>							
Czech Republic	9	8 ( 89 %)	100 %	100 %	100 %	100 %	100 %
Poland	10	9 ( 90 %)	90 %	100 %	100 %	100 %	98 %
Total:	19	17 ( 89 %)	95 %	100 %	100 %	100 %	99 %
<b>RTH Rome</b>							
Greece	8	6 ( 75 %)	100 %	100 %	0 %	100 %	75 %
Italy	30	7 ( 23 %)	0 %	80 %	60 %	73 %	53 %
Lebanon	2	2 (100 %)	0 %	0 %	0 %	0 %	0 %
Malta	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Turkey	58	31 ( 53 %)	60 %	60 %	60 %	59 %	60 %
Total:	99	47 ( 47 %)	44 %	69 %	55 %	66 %	59 %
<b>RTH Sofia</b>							
Bulgaria	4	2 ( 50 %)	50 %	25 %	25 %	50 %	38 %
Cyprus	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Macedonia, Former Yugoslav Republic of	4	0 ( 0 %)	0 %	0 %	0 %	0 %	0 %

**Availability of CLIMAT reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBCNs							Average over the four monitoring periods
	RBCNs	Volume A July 2004	Percentage of reports received with reference to the four RBCNs					
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004		
<b>RTH Sofia</b>								
Romania	14	11 ( 79 %)	100 %	100 %	100 %	100 %	100 %	
Serbia And Montenegro	3	0 ( 0 %)	100 %	100 %	67 %	67 %	84 %	
Syrian Arab Republic	7	7 (100 %)	100 %	100 %	0 %	100 %	75 %	
Total:	33	21 ( 64 %)	82 %	79 %	55 %	79 %	74 %	
<b>RTH Toulouse</b>								
Belgium	1	0 ( 0 %)	100 %	100 %	0 %	100 %	75 %	
France	42	40 ( 95 %)	100 %	100 %	100 %	100 %	100 %	
Portugal And Azores	12	10 ( 83 %)	83 %	83 %	83 %	83 %	83 %	
Spain	46	45 ( 98 %)	100 %	100 %	100 %	100 %	100 %	
Total:	101	95 ( 94 %)	98 %	98 %	97 %	98 %	98 %	
<b>RTH Vienna</b>								
Austria	9	8 ( 89 %)	56 %	56 %	56 %	56 %	56 %	
Croatia	2	2 (100 %)	100 %	100 %	100 %	100 %	100 %	
Hungary	7	5 ( 71 %)	71 %	71 %	71 %	71 %	71 %	
Slovakia	5	4 ( 80 %)	40 %	40 %	40 %	40 %	40 %	
Slovenia	1	1 (100 %)	0 %	100 %	100 %	0 %	50 %	
Total:	24	20 ( 83 %)	58 %	63 %	63 %	58 %	61 %	
<b>TOTAL REGION VI</b>								
Total Region VI:	526	419 ( 80 %)	76 %	78 %	80 %	85 %	80 %	

**Availability of CLIMAT TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBCNs						
	RBCNs	Volume A July 2004	Percentage of reports received with reference to the four RBCNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	
<b>RTH Exeter</b>							
Gibraltar	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Greenland	5	5 (100 %)	0 %	20 %	40 %	40 %	25 %
Iceland	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Ireland	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Netherlands	1	1 (100 %)	0 %	0 %	100 %	100 %	50 %
United Kingdom of Great Britain And Northern Ireland	2	1 ( 50 %)	50 %	0 %	100 %	0 %	38 %
Total:	11	10 ( 91 %)	36 %	36 %	73 %	55 %	50 %
<b>RTH Moscow</b>							
Russian Federation	3	3 (100 %)	100 %	100 %	100 %	100 %	100 %
Ukraine	1	1 (100 %)	0 %	0 %	0 %	0 %	0 %
Total:	4	4 (100 %)	75 %	75 %	75 %	75 %	75 %
<b>RTH Norrkoping</b>							
Denmark and Faroe Islands	2	2 (100 %)	0 %	50 %	50 %	0 %	25 %
Finland	3	3 (100 %)	100 %	0 %	100 %	100 %	75 %
Latvia	1	1 (100 %)	100 %	100 %	0 %	0 %	50 %
Lithuania	1	0 ( 0 %)	0 %	100 %	100 %	100 %	75 %
Norway	6	5 ( 83 %)	100 %	100 %	100 %	100 %	100 %
Sweden	3	2 ( 67 %)	100 %	100 %	100 %	100 %	100 %
Total:	16	13 ( 81 %)	81 %	75 %	88 %	81 %	81 %
<b>RTH Offenbach</b>							
Germany	9	9 (100 %)	100 %	100 %	100 %	100 %	100 %
Israel	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Jordan	1	1 (100 %)	0 %	100 %	100 %	100 %	75 %

**Availability of CLIMAT TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBCNs						
	RBCNs	Volume A July 2004	Percentage of reports received with reference to the four RBCNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	
<b>RTH Offenbach</b>							
Switzerland And Liechtenstein	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Total:	12	12 (100 %)	92 %	100 %	100 %	100 %	98 %
<b>RTH Prague</b>							
Czech Republic	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Poland	3	3 (100 %)	100 %	0 %	33 %	33 %	42 %
Total:	4	4 (100 %)	100 %	25 %	50 %	50 %	56 %
<b>RTH Rome</b>							
Greece	1	1 (100 %)	0 %	0 %	0 %	0 %	0 %
Italy	5	4 ( 80 %)	80 %	80 %	80 %	40 %	70 %
Lebanon	1	1 (100 %)	0 %	0 %	0 %	0 %	0 %
Turkey	7	6 ( 86 %)	0 %	0 %	0 %	100 %	25 %
Total:	14	12 ( 86 %)	29 %	29 %	29 %	64 %	38 %
<b>RTH Sofia</b>							
Bulgaria	1	1 (100 %)	0 %	100 %	100 %	100 %	75 %
Cyprus	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Macedonia, Former Yugoslav Republic of	1	0 ( 0 %)	0 %	0 %	0 %	0 %	0 %
Romania	3	3 (100 %)	67 %	0 %	67 %	67 %	50 %
Serbia And Montenegro	1	1 (100 %)	100 %	100 %	0 %	0 %	50 %
Total:	7	6 ( 86 %)	57 %	43 %	57 %	57 %	54 %
<b>RTH Toulouse</b>							
France	7	4 ( 57 %)	71 %	86 %	57 %	43 %	64 %
Portugal And Azores	2	1 ( 50 %)	0 %	100 %	50 %	100 %	63 %
Spain	6	5 ( 83 %)	83 %	83 %	67 %	83 %	79 %



**Availability of CLIMAT TEMP reports from Region VI  
on the Main Telecommunication Network**

Monitoring period: 1 to 15 October 2003, 1 to 15 January 2004, 1 to 15 April 2004 and 1 to 15 July 2004  
(Special MTN Monitoring)

Geographical Location	Calculation based on combining the four RBCNs						
	RBCNs	Volume A July 2004	Percentage of reports received with reference to the four RBCNs				Average over the four monitoring periods
	Number of stations	Number of observations implemented %	October 2003	January 2004	April 2004	July 2004	

RTH Toulouse							
Total:	15	10 ( 67 %)	67 %	87 %	60 %	67 %	70 %

RTH Vienna							
Austria	1	1 (100 %)	100 %	100 %	100 %	100 %	100 %
Croatia	1	1 (100 %)	0 %	0 %	0 %	0 %	0 %
Hungary	2	2 (100 %)	100 %	100 %	100 %	0 %	75 %
Slovakia	1	1 (100 %)	100 %	100 %	100 %	0 %	75 %
Total:	5	5 (100 %)	80 %	80 %	80 %	20 %	65 %

TOTAL REGION VI							
Total Region VI:	88	76 ( 86 %)	65 %	64 %	68 %	68 %	66 %

Table 5, Page 1 of 2

List of silent stations for SYNOP in RA VI

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

Country	October 2003	January 2004	April 2004	July 2004	All periods
Azerbaijan	37675 37749 37756	37675 37749 37756	37675 37749 37756	37675 37749 37756	37675 37749 37756
<i>Total:</i>	3	3	3	3	3
Greenland	04202 04224 04416	04202 04224 04416	04202 04224 04416	04202 04224	04202 04224
<i>Total:</i>	3	3	3	2	2
Iceland				04056	
<i>Total:</i>	0	0	0	1	0
Italy		16470			
<i>Total:</i>	0	1	0	0	0
Lebanon			40103	40100	
<i>Total:</i>	0	0	1	1	0
Romania	15015 15170 15230 15335				
<i>Total:</i>	4	0	0	0	0
Russian Federation	22522 22695  34363 34866 37031	22522 22695  34363 34866 37031	22522 22695  27835 34363 34866	22522 22695 22837  34363	22522 22695  34363
<i>Total:</i>	5	5	5	4	3

List of silent stations for SYNOP in RA VI

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2003</b>	<b>January 2004</b>	<b>April 2004</b>	<b>July 2004</b>	<b>All periods</b>
United Kingdom of Great Britain and Northern Ireland	03114	03114	03114	03114	03114
<i>Total:</i>	1	1	1	1	1
<i>Total:</i> <i>Total RA VI:</i>	16	13	13	12	9

**Table 6, Page 1 of 2**

**List of silent stations for TEMP in RA VI**

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2003</b>	<b>January 2004</b>	<b>April 2004</b>	<b>July 2004</b>	<b>All periods</b>
<b>Armenia</b>					
Total:	0	37789 1	0	0	0
<b>Belgium</b>					
Total:	06476 1	06476 1	06476 1	06476 1	06476 1
<b>Finland</b>					
Total:	02935 1	02935 1	02935 1	02935 1	02935 1
<b>Greenland</b>					
Total:	04202 1	0	0	0	0
<b>Latvia</b>					
Total:	0	0	26422 1	26422 1	0
<b>Lebanon</b>					
Total:	40100 1	40100 1	0	0	0
<b>Lithuania</b>					
Total:	26629 1	0	26629 1	0	0
<b>Macedonia, Former Yugoslav Republic of</b>					
Total:	13586 1	13586 1	13586 1	13586 1	13586 1
<b>Norway</b>					
Total:	0	01492 1	01492 1	01492 1	0
<b>Romania</b>					
Total:	15120 15480 2	15480 1	15480 1	0	0

**Table 6, Page 2 of 2**

**List of silent stations for TEMP in RA VI**

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2003</b>	<b>January 2004</b>	<b>April 2004</b>	<b>July 2004</b>	<b>All periods</b>
<b>Russian Federation</b>	26477 34122 37054	26477	26477	26477	26477
Total:	3	1	1	1	1
<b>Slovenia</b>	14015	14015	14015	14015	14015
Total:	1	1	1	1	1
<b>Spain</b>	08301	08301	08301	08301	08301
Total:	1	1	1	1	1
<b>Turkey</b>		17220			
Total:	0	1	0	0	0
<b>United Kingdom of Great Britain and Northern Ireland</b>	03026 03920	03026 03920	03026 03920	03026 03920	03026 03920
Total:	2	2	2	2	2
<b>Total:</b> Total RA VI:	15	13	12	10	8

**Table 7, Page 1 of 6**

**List of silent stations for CLIMAT in RA VI**

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2003</b>	<b>January 2004</b>	<b>April 2004</b>	<b>July 2004</b>	<b>All periods</b>
Armenia				37682	
<i>Total:</i>	0	0	0	1	0
Austria	11120 11146 11150 11155	11120 11146 11150 11155	11120 11146 11150 11155	11120 11146 11150 11155	11120 11146 11150 11155
<i>Total:</i>	4	4	4	4	4
Azerbaijan		37661 37735 37747 37860 37936 37989		37661 37735 37747 37860 37936 37989	
<i>Total:</i>	1	6	1	6	1
Belgium			06447		
<i>Total:</i>	0	0	1	0	0
Bosnia And Herzegovina	14562 14656	14542 14562 14656	14562 14656	14562 14656	14562 14656
<i>Total:</i>	2	3	2	2	2
Bulgaria	15552 15730	15502 15552 15730	15502 15552 15730	15502 15552	15552
<i>Total:</i>	2	3	3	2	1
Georgia	37549	37549	37549	37549	37549
<i>Total:</i>	1	1	1	1	1
Germany					

**Table 7, Page 2 of 6**

**List of silent stations for CLIMAT in RA VI**

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2003</b>	<b>January 2004</b>	<b>April 2004</b>	<b>July 2004</b>	<b>All periods</b>
Germany			10046	10046	
<i>Total:</i>	0	0	1	1	0
Greece			16622 16641 16648 16714 16719 16726 16746 16754		
<i>Total:</i>	0	0	8	0	0
Hungary	12772 12822	12772 12822	12772 12822	12772 12822	12772 12822
<i>Total:</i>	2	2	2	2	2
Iceland	04013 04048 04097	04013 04048 04097	04013 04048 04097	04013 04048 04097	04013 04048 04097
<i>Total:</i>	3	3	3	3	3
Ireland	03953 03955	03955 03957 03962 03969 03973 03976 03980		03953	
<i>Total:</i>	2	7	0	1	0
Italy	16008 16033	16008			





List of silent stations for CLIMAT in RA VI

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2003</b>	<b>January 2004</b>	<b>April 2004</b>	<b>July 2004</b>	<b>All periods</b>
Latvia	26314	26314 26346 26406 26544	26314  26406 26544	26314	26314
<i>Total:</i>	1	4	3	1	1
Lebanon	40100 40103	40100 40103	40100 40103	40100 40103	40100 40103
<i>Total:</i>	2	2	2	2	2
Macedonia, Former Yugoslav Republic of	13577 13585 13588 13591	13577 13585 13588 13591	13577 13585 13588 13591	13577 13585 13588 13591	13577 13585 13588 13591
<i>Total:</i>	4	4	4	4	4
Moldova, Republic of		33815			
<i>Total:</i>	0	1	0	0	0
Poland	12424				
<i>Total:</i>	1	0	0	0	0
Portugal And Azores	08513 08515	08513 08515	08513 08515	08506 08509	
<i>Total:</i>	2	2	2	2	0
Russian Federation				22837	
<i>Total:</i>	0	0	0	1	0
Serbia And Montenegro			13363	13363	



List of silent stations for CLIMAT in RA VI

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

Country	October 2003	January 2004	April 2004	July 2004	All periods
Turkey				17116	
	17140	17140	17140	17140	17140
	17155	17155	17155	17155	17155
	17160	17160	17160	17160	17160
	17193	17193	17193	17193	17193
	17202	17202	17202	17202	17202
	17203	17203	17203	17203	17203
	17204	17204	17204	17204	17204
	17234	17234	17234	17234	17234
	17237	17237	17237	17237	17237
	17260	17260	17260	17260	17260
	17265	17265	17265	17265	17265
	17282	17282	17282	17282	17282
	17370	17370	17370	17370	17370
	17375	17375	17375	17375	17375
<i>Total:</i>	23	23	23	24	23
Ukraine					
	33213	33213	33213		
	33275	33275	33275		
	33301	33301	33301		
	33377	33377	33377		
	33415	33415	33415		
	33429	33429	33429		
	33526	33526	33526		
	33711	33711	33711		
	33777	33777	33777		
	33791	33791	33791		
	33902	33902	33902		
	33998	33998	33998		
	34415	34415	34415		
	34523	34523	34523		
	34607	34607	34607		
	34712	34712	34712		
<i>Total:</i>	16	16	16	0	0
<i>Total RA VI:</i>	104	98	103	77	56

**Table 8, Page 1 of 4**

**List of silent stations for CLIMAT TEMP in RA VI**

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2003</b>	<b>January 2004</b>	<b>April 2004</b>	<b>July 2004</b>	<b>All periods</b>
Bulgaria	15614				
Total:	1	0	0	0	0
Croatia	14240	14240	14240	14240	14240
Total:	1	1	1	1	1
Denmark and Faroe Islands	06011 06181	06011	06181	06011 06181	
Total:	2	1	1	2	0
Finland		02836 02935 02963			
Total:	0	3	0	0	0
France	07110	07110	07110 07481 07645	07110 07145 07481 07645	07110
Total:	2	1	3	4	1
Greece	16754	16754	16754	16754	16754
Total:	1	1	1	1	1
Greenland	04220 04270 04320 04339 04360	04270 04320 04339 04360	04270 04339 04360	04270 04339 04360	04270 04339 04360
Total:	5	4	3	3	3
Hungary					

**Table 8, Page 2 of 4**

**List of silent stations for CLIMAT TEMP in RA VI**

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2003</b>	<b>January 2004</b>	<b>April 2004</b>	<b>July 2004</b>	<b>All periods</b>
Hungary				12843 12982	
Total:	0	0	0	2	0
Italy	16429	16429	16429	16245 16429 16560	16429
Total:	1	1	1	3	1
Jordan	40265				
Total:	1	0	0	0	0
Latvia			26422	26422	
Total:	0	0	1	1	0
Lebanon	40100	40100	40100	40100	40100
Total:	1	1	1	1	1
Lithuania	26629				
Total:	1	0	0	0	0
Macedonia, Former Yugoslav Republic of	13586	13586	13586	13586	13586
Total:	1	1	1	1	1
Netherlands	06260	06260			
Total:	1	1	0	0	0
Poland		12120 12374 12425	12120  12425	12120  12425	
Total:	0	3	2	2	0

**Table 8, Page 3 of 4**

**List of silent stations for CLIMAT TEMP in RA VI**

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2003</b>	<b>January 2004</b>	<b>April 2004</b>	<b>July 2004</b>	<b>All periods</b>
Portugal And Azores	08508 08579		08579		
Total:	2	0	1	0	0
Romania	15120	15120 15420 15480	15480	15480	
Total:	1	3	1	1	0
Serbia And Montenegro			13275	13275	
Total:	0	0	1	1	0
Slovakia				11952	
Total:	0	0	0	1	0
Spain	08301	08301	08221 08301	08301	08301
Total:	1	1	2	1	1
Turkey	17030 17062 17130 17220 17240 17280 17351	17030 17062 17130 17220 17240 17280 17351	17030 17062 17130 17220 17240 17280 17351		
Total:	7	7	7	0	0
Ukraine	33345	33345	33345	33345	33345
Total:	1	1	1	1	1
United Kingdom of Great Britain And Northern Ireland		03005		03005	

**List of silent stations for CLIMAT TEMP in RA VI**

Monitoring period: 1-15 October 2003, 1-15 January 2004, 1-15 April 2004 and 1-15 July 2004  
(Special MTN Monitoring)

<b>Country</b>	<b>October 2003</b>	<b>January 2004</b>	<b>April 2004</b>	<b>July 2004</b>	<b>All periods</b>
United Kingdom of Great Britain And Northern Ireland	03808	03808		03808	
Total:	1	2	0	2	0
Total: Total RA VI:	31	32	28	28	11

Figure 1

SMM 1-15/7/2004 - SYNOP reports made at 00, 06, 12 and 18 UTC at RBSN stations

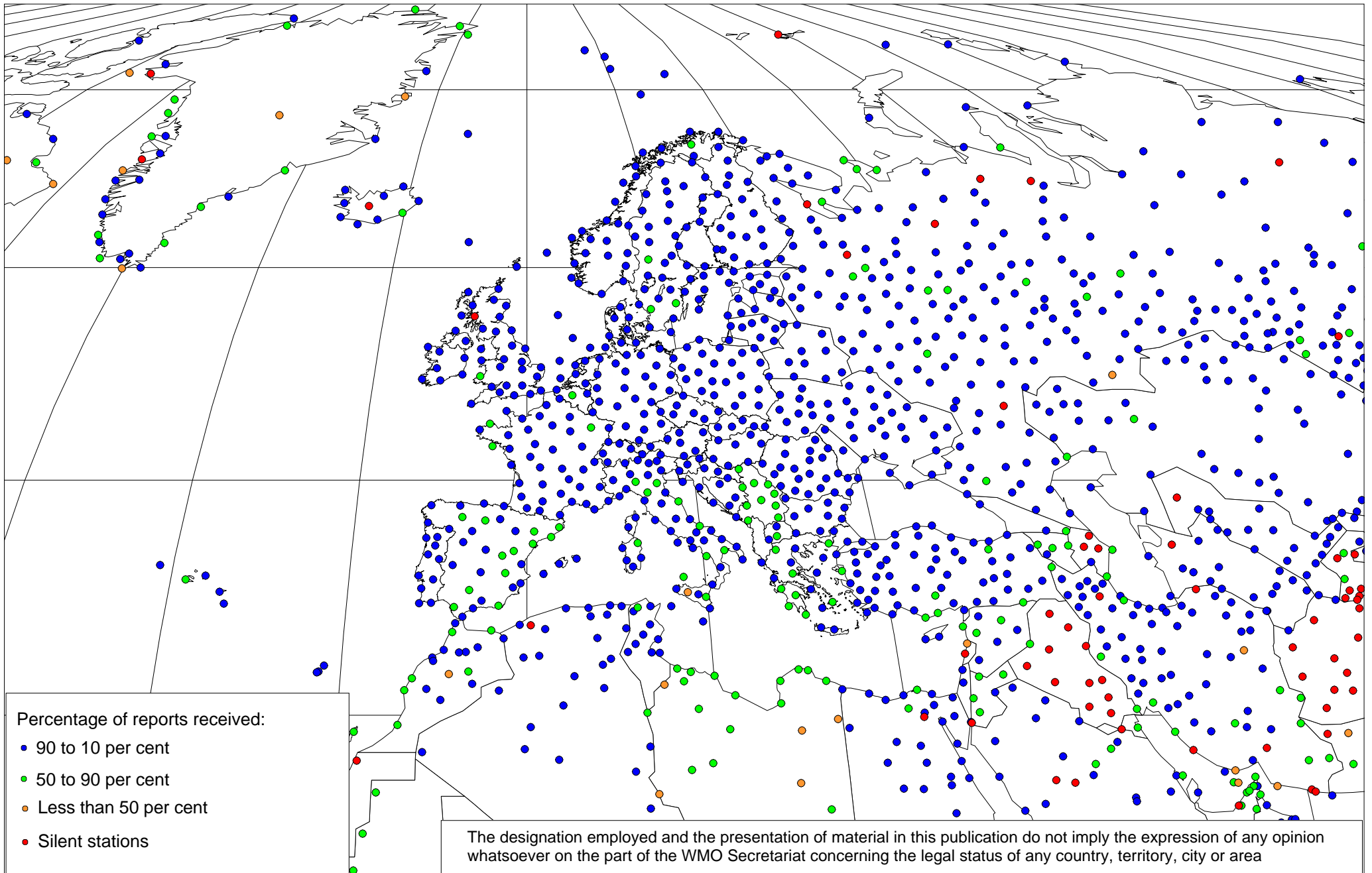




Figure 2

SMM 1-15/7/2004 - Parts A of TEMP reports made at 00 and 12 UTC at RBSN stations

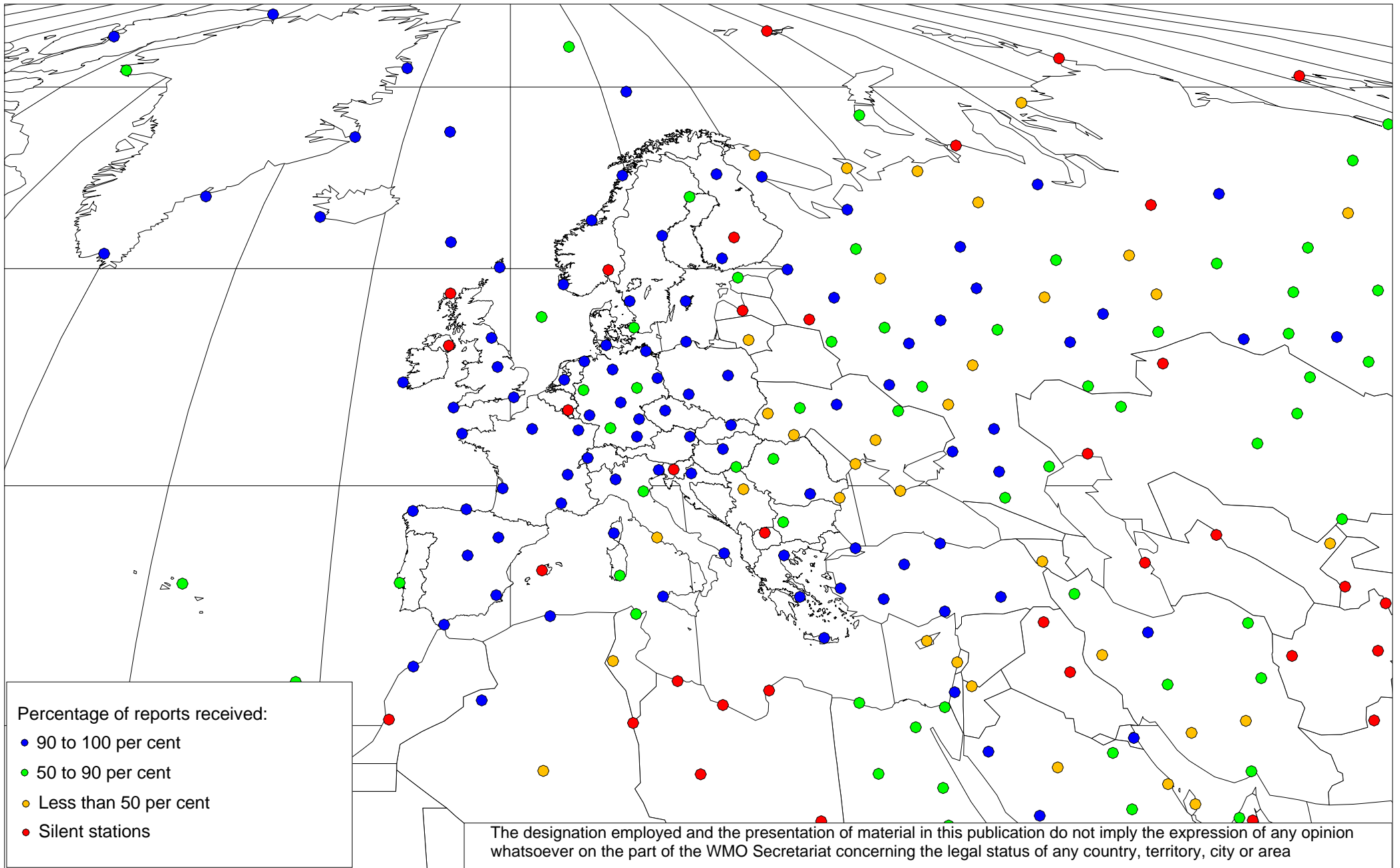


Figure 3

SMM 1-15/7/2004 - CLIMAT reports received from RBCN stations

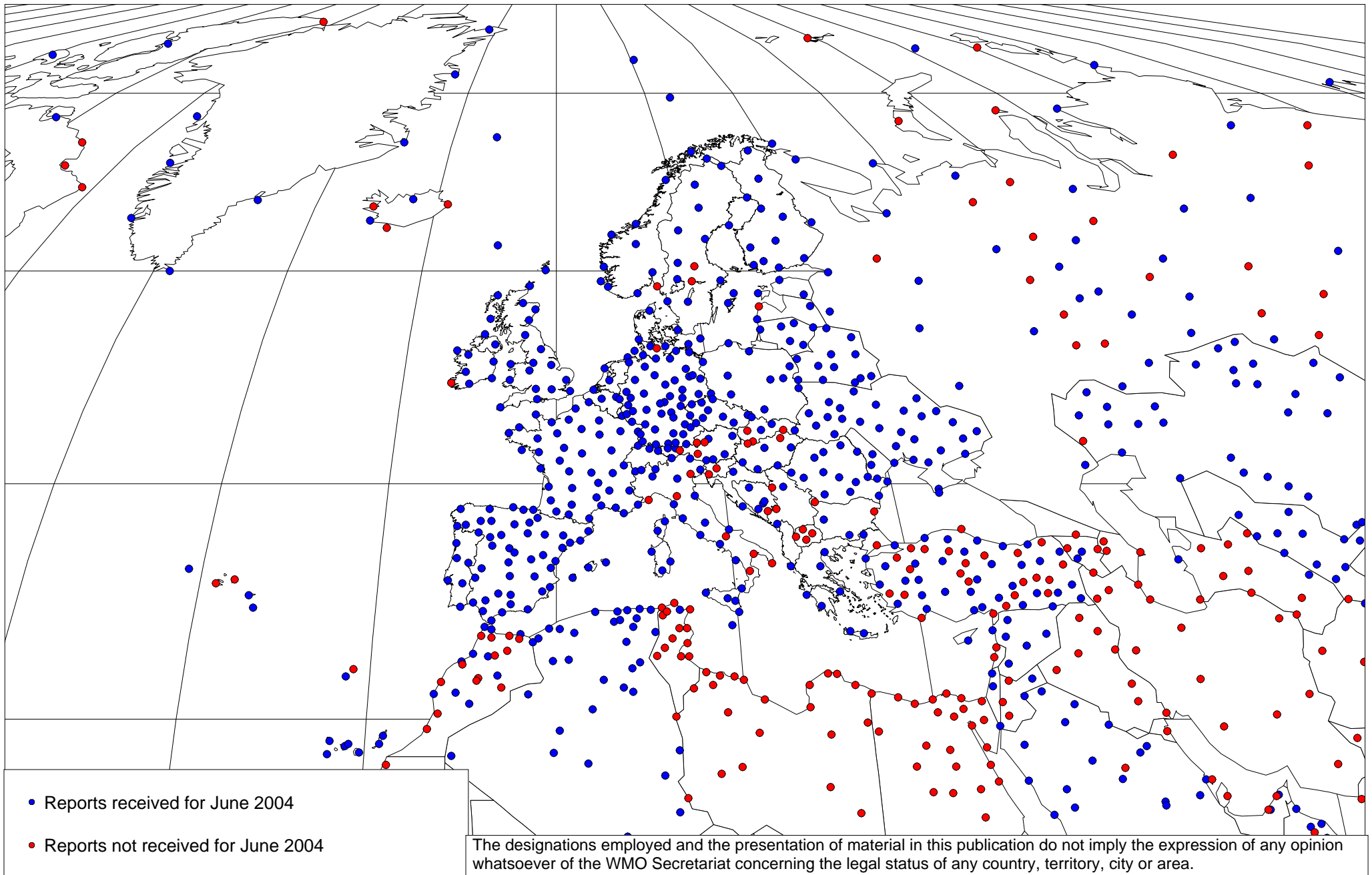
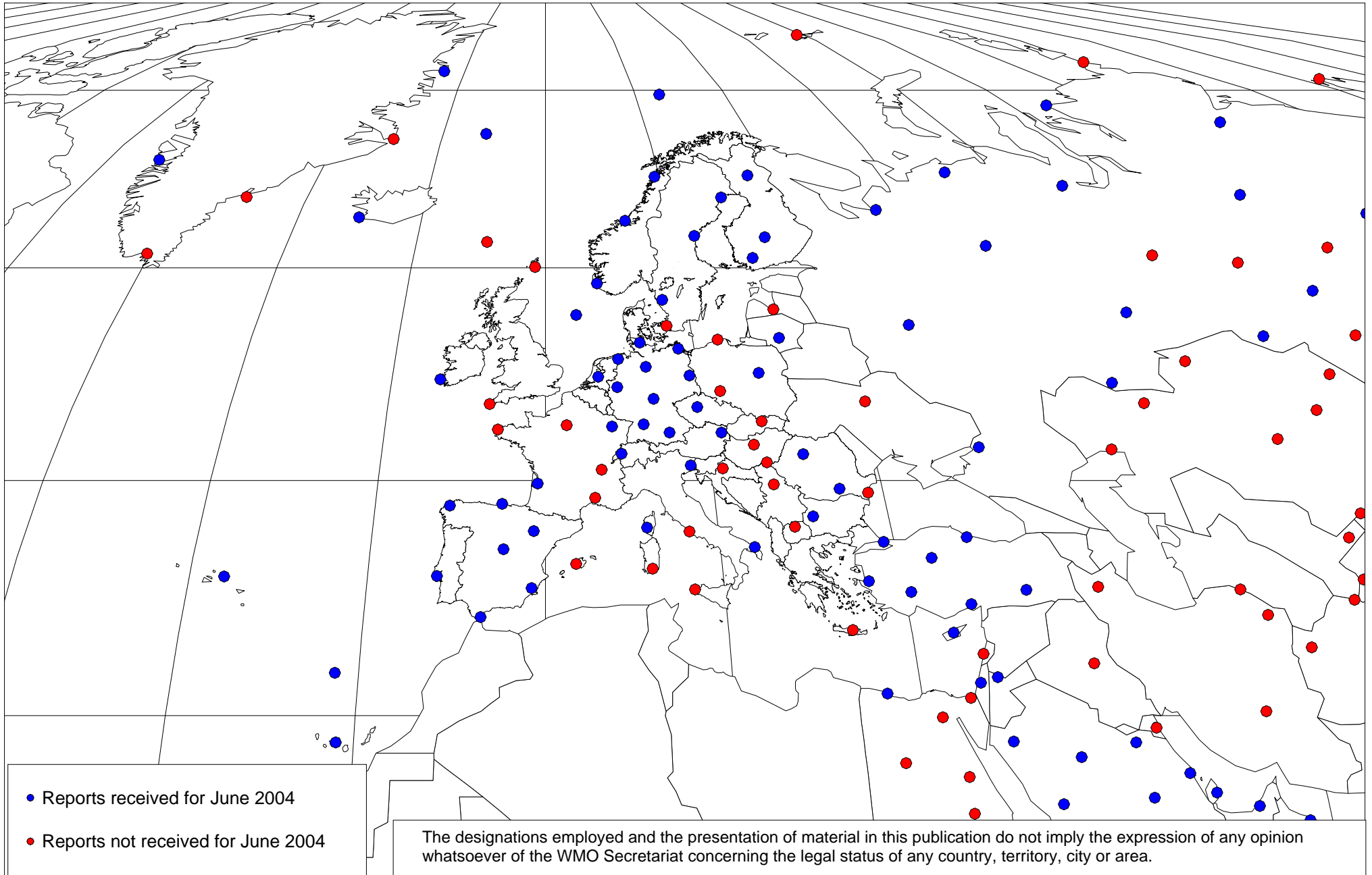


Figure 4

SMM 1-15/7/2004 - CLIMAT TEMP reports received from RBCN stations



## Appendix

### Analysis of the presentation of the CLIMAT and CLIMAT TEMP bulletins

#### Introduction

1. The monitoring of the exchange of CLIMAT and CLIMAT TEMP bulletins on the GTS revealed deficiencies in the application of WMO standards for the form and format of CLIMAT and CLIMAT TEMP bulletins. The relevant standard are the procedures and practices included in the Manual on the GTS for the presentation of GTS bulletins (see [ftp://www.wmo.ch/wmo-ddbs/To\\_Jen/gts/Volumel/TEM/Contents.html#Pt2](ftp://www.wmo.ch/wmo-ddbs/To_Jen/gts/Volumel/TEM/Contents.html#Pt2)) and in the Manual on Codes for the presentation of CLIMAT and CLIMAT TEMP reports, i.e. code forms FM 71-XII CLIMAT and FM 75-XII CLIMAT TEMP (see <http://www.wmo.int/web/www/DPS/NewCodesTables/WMO306vol-I-1PartA.pdf>).

#### Reference material

2. The analysis of the presentation of the CLIMAT and CLIMAT TEMP bulletins is based on the information available from the April 2004 exercise of the Special MTN Monitoring (SMM), in particular:

- The raw data provided by Toulouse: the bulletins shown in Tables A-4 and B-4 are the March 2004 CLIMAT and CLIMAT TEMP bulletins received by Toulouse during the monitoring period 1 to 15 April 2004;
- The analysis made by Cairo and the WMO Secretariat of the raw data provided by Cairo, Melbourne and Toulouse was used to identify anomalies in the presentation of the bulletins.

Further information on the SMM are available in the WMO server: general information from <http://www.wmo.ch/web/www/ois/monitor/monitor-home.htm> - SMM and the results of the analysis of the April 2004 SMM from <http://www.wmo.ch/web/www/ois/monitor/smm/sm044.htm>

#### Results of the analysis

3. The analysis focuses on the bulletins containing reports issued from stations included in the Antarctic and Regional Basic Climatological Networks (ABSN/RBSNs). The list of stations included in the ABSN/RBSNs and the numbers of reports received during the October 2003, January and April 2004 SMM were given in Tables A-1 and B-1 sent to each country.

4. The abbreviated headings TTAaii CCCC of the CLIMAT and CLIMAT TEMP bulletins, with the list of stations included in each bulletin, should be published in the WMO Publication No. 9, Volume C1 – Catalogue of meteorological bulletins. The analysis of the SMM shows that CLIMAT and CLIMAT TEMP reports were received within bulletins, the abbreviated headings of which are not in the catalogue of meteorological bulletins or are different from the abbreviated headings published in the catalogue. For each WMO Member, the possible examples of such inconsistencies were given in Table A-2 and B-2 sent to each country.

5. In accordance with the Manual on the GTS - Volume I -Part II - paragraph 2.3.2.2, the bulletins containing reports from stations included in the RBCNs shall be compiled into bulletins with digits ii of the abbreviated heading TTAaii CCCC in the series 01 to 19. The analysis of the SMM shows that CLIMAT and CLIMAT TEMP reports issued by ABCN/RBCNs were received within bulletins with digits ii of the abbreviated heading TTAaii CCCC in the series above 19. For each WMO Member, the possible examples were given in Table A-3 and B-3 sent to each country. The WMO Members are invited to review the content of the WMO Publication No. 9 - Volume C1 -

Catalogue of meteorological bulletins, and to send relevant required amendments to the MTN centre responsible to maintain the relevant part of the catalogue

6. The list of types of errors found in the text of the CLIMAT and CLIMAT TEMP bulletins is given in paragraph 7. For each WMO Member, the possible examples of such errors were given in Table A-4 and B-4 sent to each country, together with the suggested corrections.

7. *Statistics on the deficiencies observed as at 5 June 2004*

Reports not received during SMM exercises		
	CLIMAT reports not received	CLIMAT TEMP reports not received
1-15 October 2003	1213 out of 2595 expected reports (47 %)	214 out of 512 expected reports (42%)
1-15 January 2004	1282 out of 2595 expected reports (49%)	235 out of 511 expected reports (46%)
1-15 April 2004	1145 out of 2605 expected reports (44%)	214 out of 511 expected reports (42%)

Reports received by SMM centres in bulletins that are not included in the WMO Publication No. 9 - Volume C1 - Catalogue of meteorological bulletins or included in the catalogue with an incorrect list of stations		
	Number of CLIMAT reports	Number of CLIMAT TEMP reports
	612	85

Reports received within bulletins with digits ii of the abbreviated heading TTAaii CCCC in the series above 19		
	Number of CLIMAT reports	Number of CLIMAT TEMP reports
	82	0

Bulletins received with errors in the text			
Error Flag	Error Type Description	Number of bulletins with errors	
		CLIMAT bulletins	CLIMAT TEMP bulletins
F1	Misspelling or omitting the code name CLIMAT or CLIMAT TEMP in the first line of the text	12	27
F2	Repeating the code name CLIMAT or CLIMAT TEMP in the same bulletin	10	7
F3	Unexpected string of characters such as "PARTI", "PARTII".	19	17
F4	Repeating MMJJJ in the same bulletin	14	12
F5	Incorrect or omitted group MMJJJ	32	15
F6	Number 50 added to the MM in the group MMJJJ of the CLIMAT bulletins	0	-
F7	Incorrect sequence of the groups MMJJJ and liiii	1	0
F8	Station index liiii is not in the beginning of the line or repeated	1	0
F9	Incorrect section group (ex.111), repeated nor omitted	1	0
F10	No space between section group and group with data	0	1

F11	Section group is incorrect, omitted or incorrectly placed	16	0
F12	No space between adjacent groups	0	1
F13	There is a space inside a group	0	0
F14	Sign End of Report "=" is omitted	3	1
F15	Sign End of Report "=" repeated after each section	0	0
F16	Sign End of Bulletin is omitted	0	0
F17	CLIMAT report has been inserted into a CLIMAT TEMP bulletin	0	2
F18	The structure of presentation of the data is not that of code forms FM 71-XII or FM 75-XII	17	4
F19	The group CLIMAT MMJJJ has been inserted into a NIL bulletin	4	0
F20	BBB group missing in the abbreviated heading	15	4
Total number of bulletins received with at least one error		80 out of 398 bulletins received	57 out of 196 bulletins received

### Action proposed

8. The WMO Members were invited to take the following action as soon as possible with a view to eliminating the deficiencies shown in Tables A-1, A-2, A-3, A-4, B-1, B-2, B-3, and B-4 sent to each country.

Deficiencies	Action proposed
Deficiencies shown in Tables A-1 and B-1	The WMO Members should ensure that the reports are prepared for each station and inserted into the GTS between the first and fifth day of each month.
Deficiencies shown in Tables A-2 and B-2	The WMO Members should ensure that the bulletins containing CLIMAT and CLIMAT TEMP reports are included in the WMO Publication No. 9 - Volume C1 - Catalogue of meteorological bulletins with an updated list of stations. The WMO Members are invited to review the abbreviated headings of the bulletins used to compile CLIMAT and CLIMAT TEMP bulletins, to review the content of the Catalogue of meteorological bulletins, and to send relevant required amendments to the MTN centre responsible to maintain the relevant part of the catalogue (see list in Appendix A).
Deficiencies shown in Tables A-3 and B-3	The WMO Members should ensure that the bulletins containing reports from stations included in the Regional Basic Climatological Networks (RBCNs) are compiled into bulletins with ii in the series 01 to 19. The WMO Members are invited to review the abbreviated headings of the bulletins used to compile CLIMAT and CLIMAT TEMP bulletins, to review the content of the WMO Publication No. 9 - Volume C1 - Catalogue of meteorological bulletins, and to send relevant required amendments to the MTN centre responsible to maintain the relevant part of the catalogue.
Deficiencies shown in Tables A-4 and B-4	The WMO Members are invited to consider the corrections to the text of CLIMAT and CLIMAT TEMP bulletins and to implement those corrections.

9. The results of the action taken will be monitored during the future periods of the Special MTN monitoring, starting by analysing the results of the July 2004 SMM exercise.