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In reply refer to / Dans la réponse, mentionner  
N° W/OIS

Geneva, 15 October 1983

Annexes: 4

Subject: Monthly letter on the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS) (October 1983)

Action required: To be noted and brought to the attention of appropriate operational units

Dear Sir/Madam,

As you are aware, all the information on changes to the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS) is being assembled and distributed by the Secretariat on a monthly basis to facilitate updating and follow-up action.

In this connection, please find attached the annexes providing the latest operational information on WWW and MMS. Those items and sub-items for which information is provided are listed below:

Annex I - Global Observing System

8. Changes in global or regional components of WWW plan

1. Basic synoptic networks
  - 1.1 New stations
  - 1.2 Deleted stations
2. Networks of CLIMAT and CLIMAT TEMP reporting stations
  - 2.1 New stations
  - 2.3 Changes to existing stations

To: Permanent Representatives (or Directors of Meteorological or Hydro-meteorological Services) of Members of WMO (PR-3612)  
Directors of Meteorological Services of non-Member countries (MC-2275)  
Presidents and Vice-Presidents of Regional Associations (P.RA-1045)  
Presidents and Vice-Presidents of Technical Commissions (P.TC-1112)  
Chairmen of CBS Working Groups  
Secretary-General of ICAO  
Secretary of IOC  
Director-General of ASECNA  
Director of ECMWF

C. Information on operational status of elements of the surface-based sub-system

1. Publication No. 9, Volume A - Stations

- 1.1 New stations
- 1.3 Changes to existing stations

4. ARGOS monthly status report

D. Information on operational status of space sub-system

Annex III - Global Telecommunication System

B. Updating of Manual on GTS in respect of exchange lists

2. Regional exchange lists (Manual on the GTS, Volume II)

2.6 Region VI - Attachment EU-I

C. Information on the operation of the GTS

2. Transmission schedules (Publication No. 9, Volume C, Chapter II)

2.3 Changes in schedules/technical specifications

4. Regional telecommunication networks

Annex IV - Codes

B. Manual on Codes

2. Regional practices

3. National practices

3.1 New codes

Annex V - Marine Meteorological Services (MMS) and related oceanographic activities

B. Guidance material

2. Reports on MMS

C. Information on the operation of Marine Meteorological Services

1. Broadcasts for shipping and other marine activities (Publication No. 9, Volume D, Part A)

1.3 Changes in technical specifications

Your co-operation in ensuring that the above information reaches the appropriate operational units of your service is greatly appreciated. If you wish to receive additional copies of the monthly circular letter, please inform me accordingly.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'G.K. Weiss', with a long horizontal flourish extending to the right.

for the Secretary-General  
(G.K. Weiss)  
Director  
World Weather Watch Department

**B. Changes in global or regional components of WWV plan**

**1. Basic synoptic networks**

**1.1 New stations**

**Region I**

67843 VICTORIA FALLS (18°06'S, 25°51'E) (surface observations)

**Region VI**

40265 MAFRAQ (32°22'N, 36°15'E) (surface observations)  
 40272 QUEEN ALIA AIRPORT (31°40'N, 35°58'E) (surface observations)  
 40296 GHOR EL SAFI (31°02'N, 35°28'E) (surface observations)

**1.2 Deleted stations**

**Region I**

67853 HWANGE NATIONAL PARK (18°38'S, 27°00'E)

**2. Networks of CLIMAT and CLIMAT TEMP reporting stations**

**2.1 New stations**

**Region VI**

40001 KAMISHLI (37°03'N, 41°13'E) CLIMAT  
 40030 HAMA (35°08'N, 36°43'E) CLIMAT

**2.3 Changes to existing stations**

**Region VI**

40080 DAMASCUS NEW INTERNATIONAL AIRPORT (33°25'N, 36°31'E) CLIMAT TEMP

**C. Information on operational status of elements of the surface-based sub-system**

**1. Publication No. 9, Volume A - Stations**

**1.1 New stations**

06153 TYVELSE	5523N 1141E	-	-	X X X X X X X X		. . . . /
02597 ROMA	5731N 1827E	-	30	X X X X X X X X	H00-24	. . . . (AUT) /
40272 QUEEN ALIA AIRPORT	3140N 3558E	-	721	X X X X X X X X		. . . . /
40296 GHOR EL SAFI	3102N 3528E	-	-350	X X X X X X X X		. . . . /

1.3 Changes to existing stations

61781 BAFATA . . . X X X X . / 67983 CHIPINGE . X X X X X X . /  
02446 VASTERAS/HASSLO . . X . X X X X / 40265 MAFRAQ X X X X X X X X /

Changes in observing hours due to daylight saving time in Australia and New Zealand

Australian states of New South Wales, Victoria, Tasmania and South Australia and the Australian Capital Territory will introduce one hour daylight saving from 1600 GMT 29 October 1983 to 1600 GMT 3 March 1984. Western Australia is also expected to introduce daylight saving for the same period. Queensland and Northern Territory will not introduce summer time. Surface observations at stations in those states implementing daylight saving time will be made one hour earlier. All upper-air stations in the Australian continent will make ascents one hour earlier. The following practices apply to stations operated by Australia but located beyond the continent:

94299 Willis Island as for Queensland stations /

94996 Norfolk and 94998 Macquarie Islands entire observational programmes advanced by one hour /

94995 Lord Howe Island as for New South Wales stations /

96996 Cocos Island upper-air programme advanced by one hour /

Surface and upper-air programmes of Antarctic stations unchanged /

New Zealand will introduce one hour daylight saving from 1400 GMT 29 October 1983 to 1400 GMT 3 March 1984. During this period all surface and upper-air observations will be made one hour earlier.

4. ARGOS monthly status report

As of 23 September 1983 the ARGOS service was handling reports from 225 drifting buoys, 49 moored buoys, 2 balloons, 13 ships, 91 fixed stations and 23 miscellaneous platforms. On the same date, during a period of 24 hours, 733 DRIBU reports from 40 drifting buoys were transmitted to the RTH Paris for insertion into the GTS.

D. Information on operational status of space sub-system

A new METEOSAT dissemination schedule S 8311 M01 will be introduced on 1.11.1983 at 0600 GMT.

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B. Updating of Manual on GTS in respect of exchange lists

2. Regional exchange lists (Manual on the GTS, Volume II)

2.6 Region VI - Attachment EU-I

The President of RA VI has approved the inclusion of the following three stations for main and intermediate standard times:

40272	Queen Alia Airport
40296	Ghor El Safi
40265	Mafraq

C. Information on the operation of the GTS

2. Transmission schedules (Publication No. 9, Volume C, Chapter II)

2.3 Changes in schedules/technical specifications

- II-iii New Delhi radio-facsimile broadcast, effective 1.11.1983, new schedule and following changes to hours of operation of frequencies:

ATA 55	1430 - 0230	4993.5 kHz		10 kW
ATP 57	0000 - 2400	7403 kHz	F3C (White + 400 Hz)	20 kW
ATV 65	0000 - 2400	14842 kHz	(Black - 400 Hz)	30 kW
ATU 38	0230 - 1430	18225 kHz		20 kW

- VI-iii Offenbach/Main-Mainflingen (DCF54) radio-facsimile broadcast effective 1.11.83 new schedule

4. Regional telecommunication networks

Region V

Circuit SINGAPORE NMC (WSSS) - BRUNEI (WBSB) operational since 21.7.1983, satellite, 75 bauds

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8. Manual on codes

2. Regional practices

Region VI

Regional code for general aviation forecasts in Europe - GAFOR

Specifications of zone number(s) of sub-areas/route segments for which GAFOR forecasts will be provided, as notified by Members

Maps showing the sub-areas/route segments for Denmark, Germany (Federal Republic of), Netherlands, Norway, Spain and Switzerland are attached as appendices to this Annex.

3. National practices

3.1 New codes

Region V-Section E - National coding procedures with regard to international code forms

FM 50-VIII WINTEM

NEW ZEALAND

In the WINTEM forecast issued by New Zealand, each latitude and longitude co-ordinate shall include a decimal point dot (.) between the values of degrees and tenths.

Region VI-Section F - National code forms

NORWAY

FM 12-VII/FM 13-VII

Section 5 - National code groups transmitted regularly or occasionally on the GTS:

0St f f      This group is used to report state of sea (S) (Code 3700) and  
z x x      maximum wind speed.

$t_z$  Time of maximum mean wind speed or changes in wind speed during preceding 3 hours.

Code figure

0	At observation time	
1	0-1 hour before observation time	)
		)
2	1-2 hours before observation time	)
		)
3	2-3 hours before observation time	)
		)
4	3-6 hours before observation time	)
		)
5	6-9 hours before observation time	)
		)
6	9-12 hours before observation time	)
		)
7	Wind speed decreasing	)
		)
8	Wind speed unchanged	)
		)
9	Wind speed increasing	)
		)
x	Maximum wind speed or changes in wind speed cannot be indicated	

Time indication of maximum mean wind speed

Not possible to indicate time for maximum wind speed

$f_x f_x$  Maximum mean wind speed in knots since the preceding main observation hour, or maximum mean wind speed during preceding 12 hours for stations which do not observe at all main observational hours.

$1s_n T' T' T' T'$  This group is included at 0600 GMT to report maximum night temperature the preceding 12 hours.

$2s_n T' T' T' T'$  This group is included at 1800 GMT to report minimum day temperature the preceding 12 hours.

$3s_n T_g T_g T_g$  This group is included at 0600 GMT to report minimum temperature just above the ground the preceding night.

$4R_d W_d W_d W_d$  This group gives additional information on weather phenomena reported in other sections.  $R_d$  is used to report tenths of mm precipitation. This group is also included when precipitation amount is under 1 mm.

$W_d W_d W_d$  gives additional information on past weather which cannot be reported under  $W_1 W_2$ , or, for stations which do not observe at all main observational hours, past weather since the preceding main observation before the period covered by  $W_1 W_2$ .

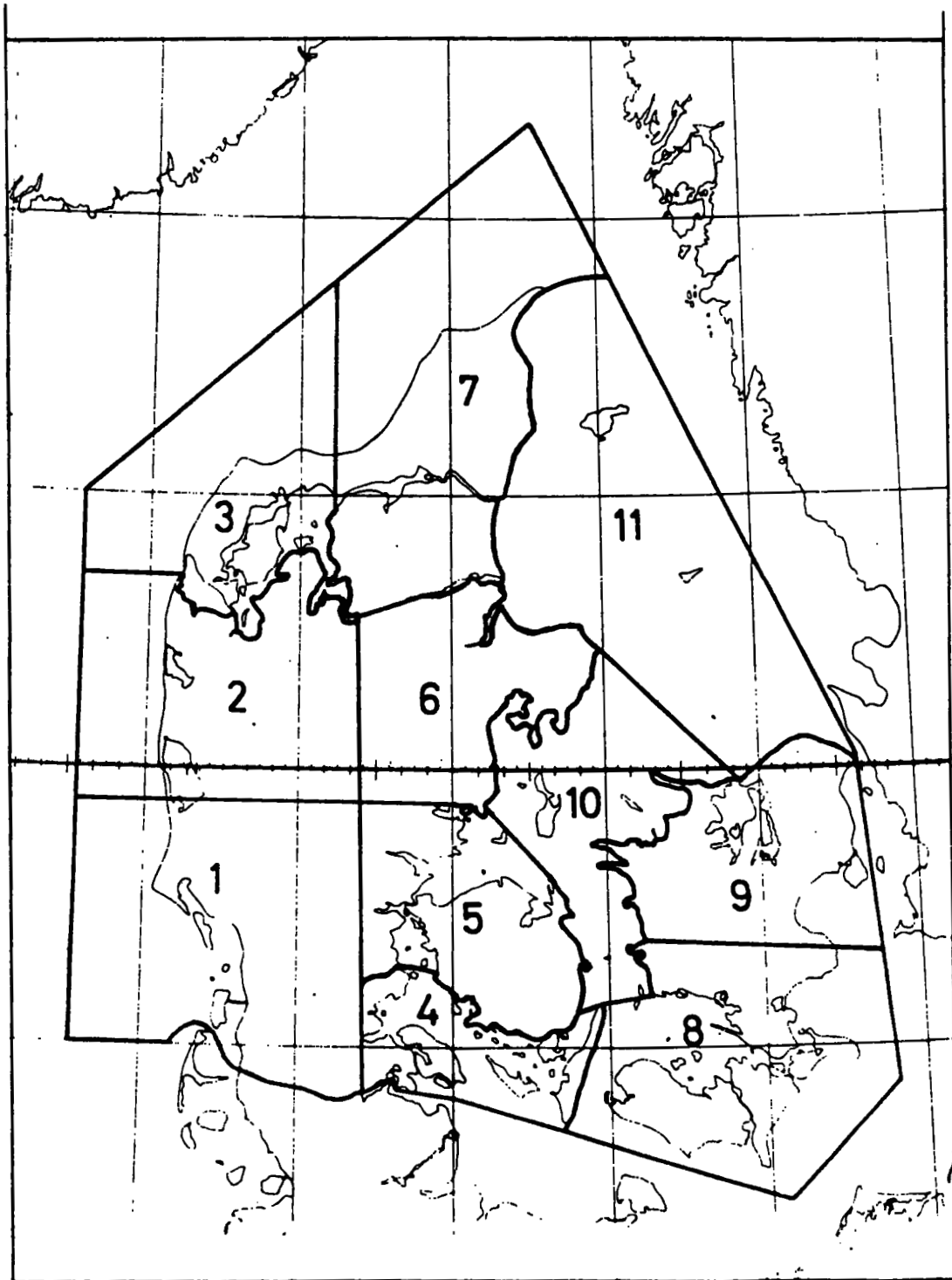


<u>W<sub>d</sub></u>	Additional information on past weather
<u>Code</u>	
<u>figure</u>	
0	Dew
1	Hoar frost, rime
2	Blowing snow
3	Fog
4	Glaze
5	Rain, rain showers or drizzle
6	Rain and snow, showers of rain and snow
7	Snow, snow showers, snow grains, diamond dust
8	Hail, small hail, ice pellets
9	Thunderstorm
/	No additional information

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DENMARK

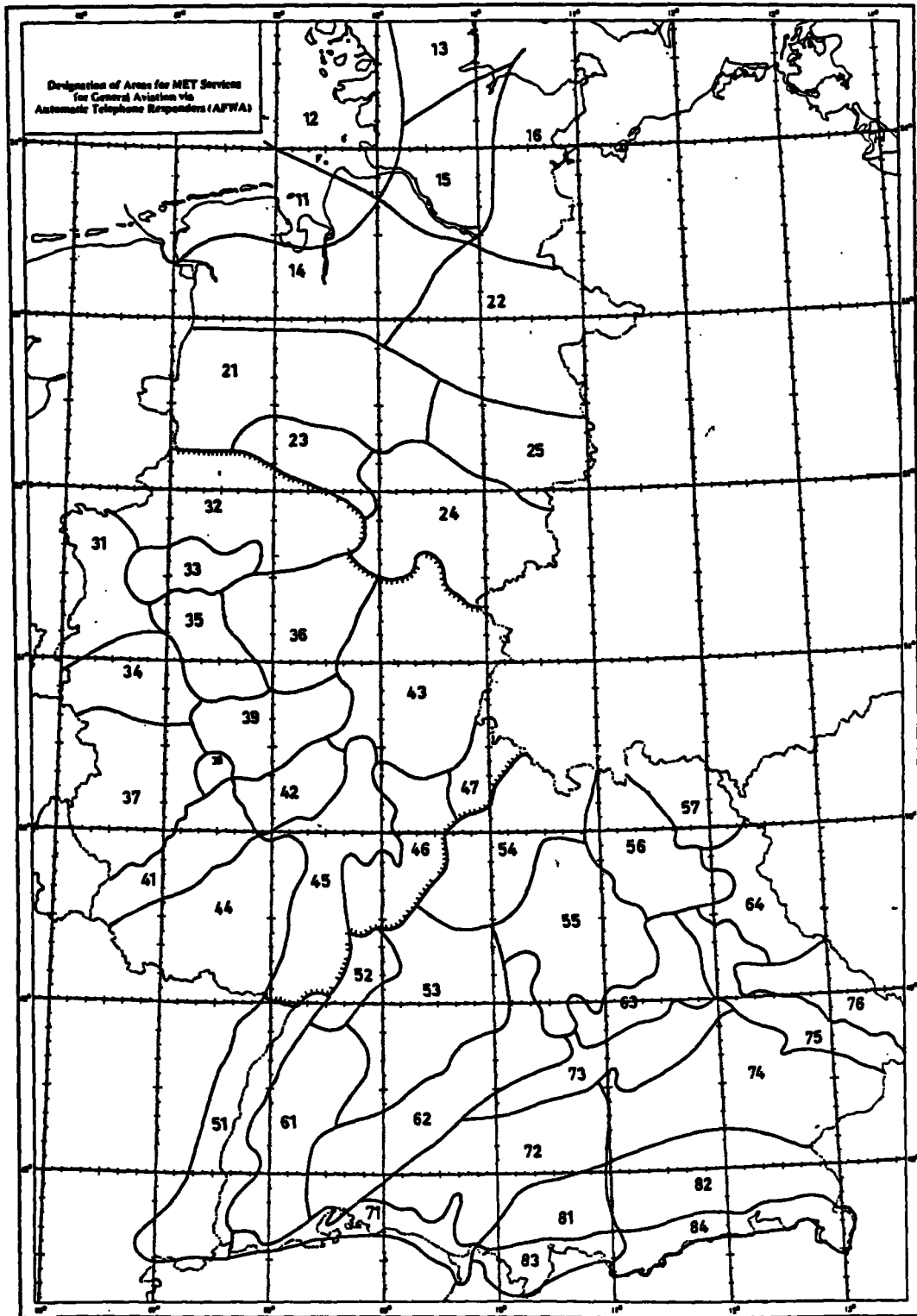
GAFOR sub-areas



Annex IV, Appendix II  
Annexe IV, Appendice II  
Anexo IV, Apéndice II  
Дополнение IV, Приложение II

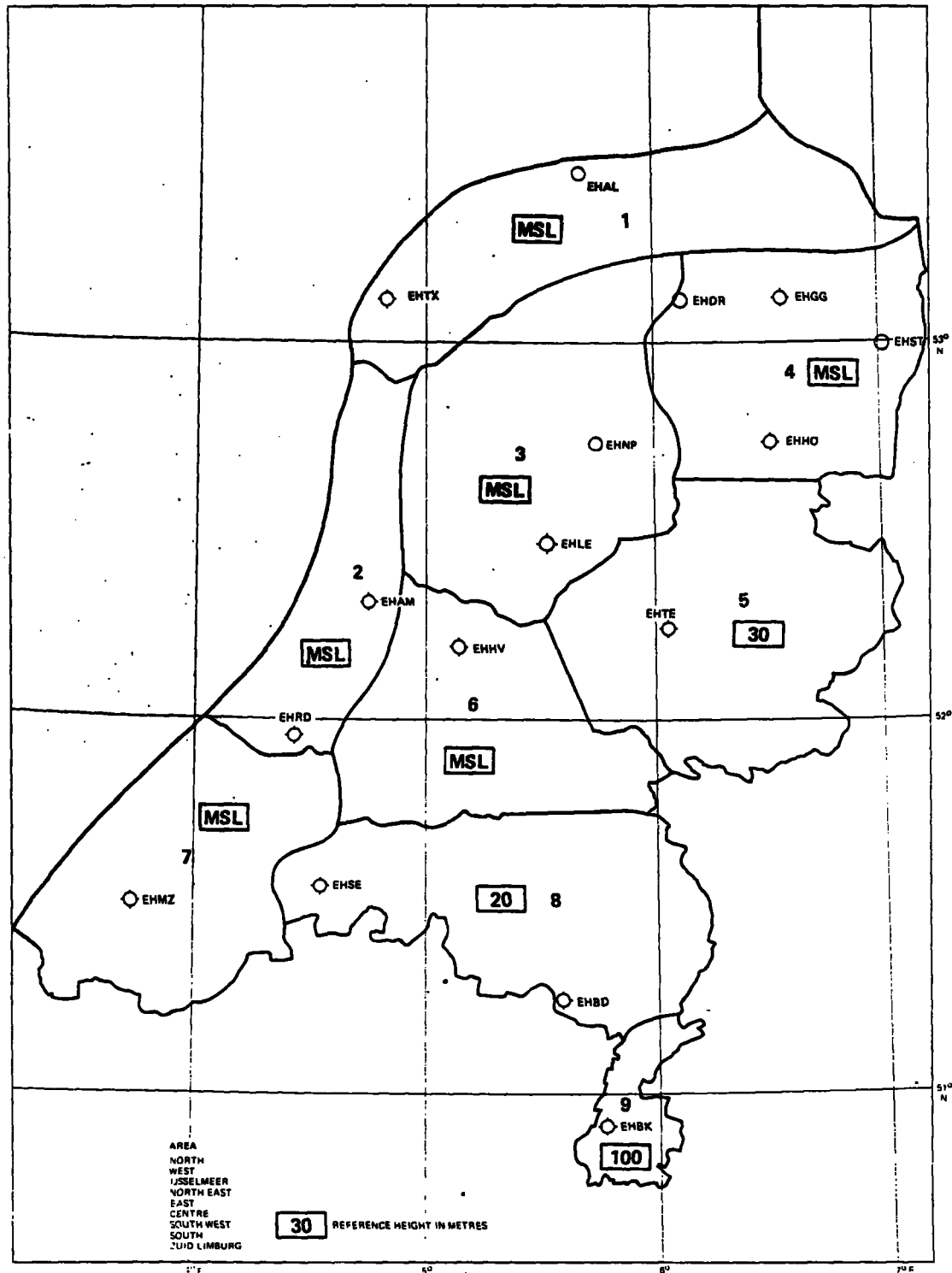
GERMANY FEDERAL REPUBLIC OF

GAFOR sub-areas



NETHERLANDS

GAFOR sub-areas



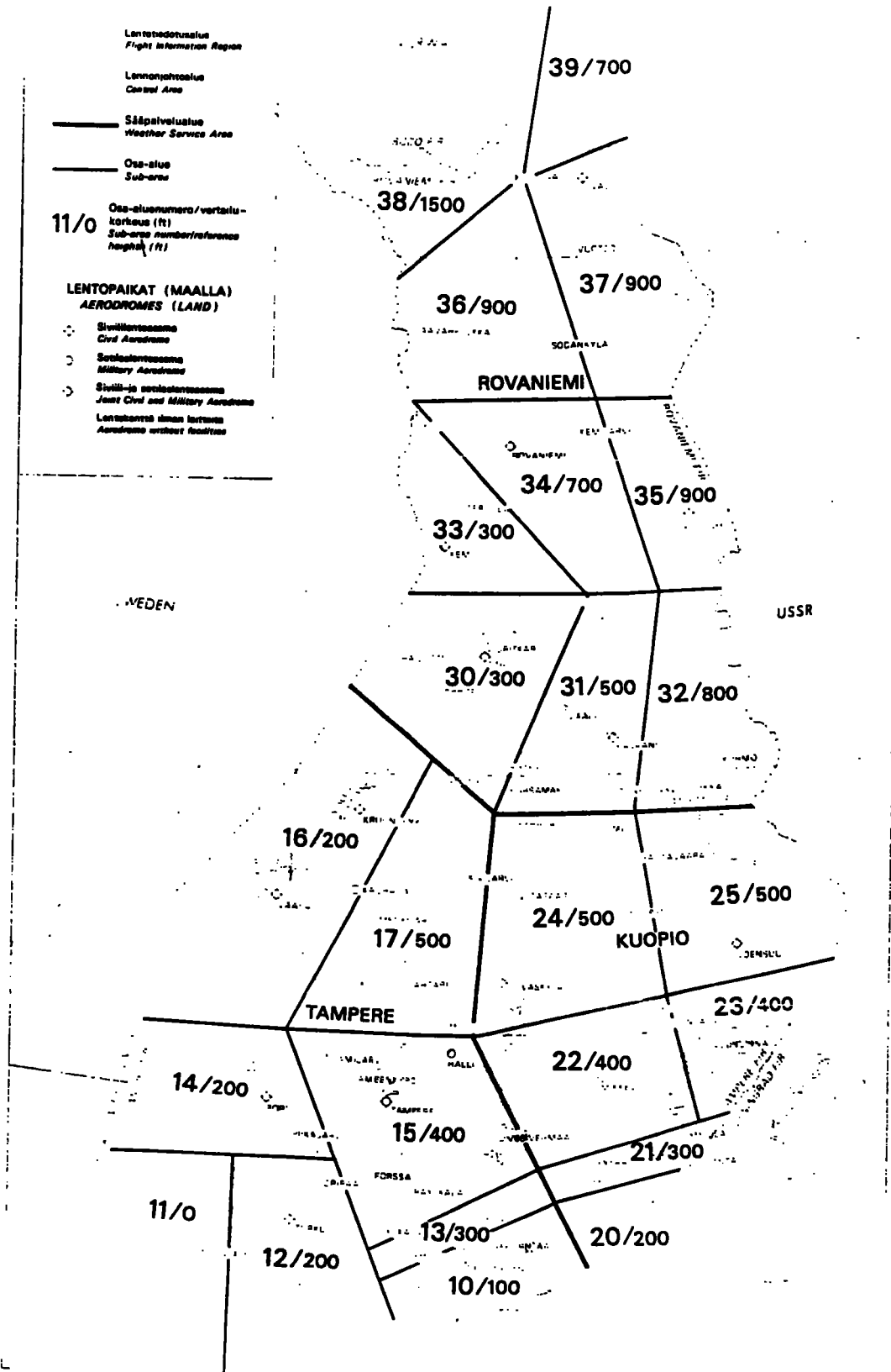
NORWAY  
GAFOR sub-areas

MERKKIEN SELITYKSET / LEGEND

- Lentotiedustelualue  
Flight Information Region
- Lennonjohtoalue  
Control Area
- Sääpalvelualue  
Weather Service Area
- Osa-alue  
Sub-area
- 11/0 Osa-aluenumero / vertailu-  
korkeus (ft)  
Sub-area number/reference  
height (ft)

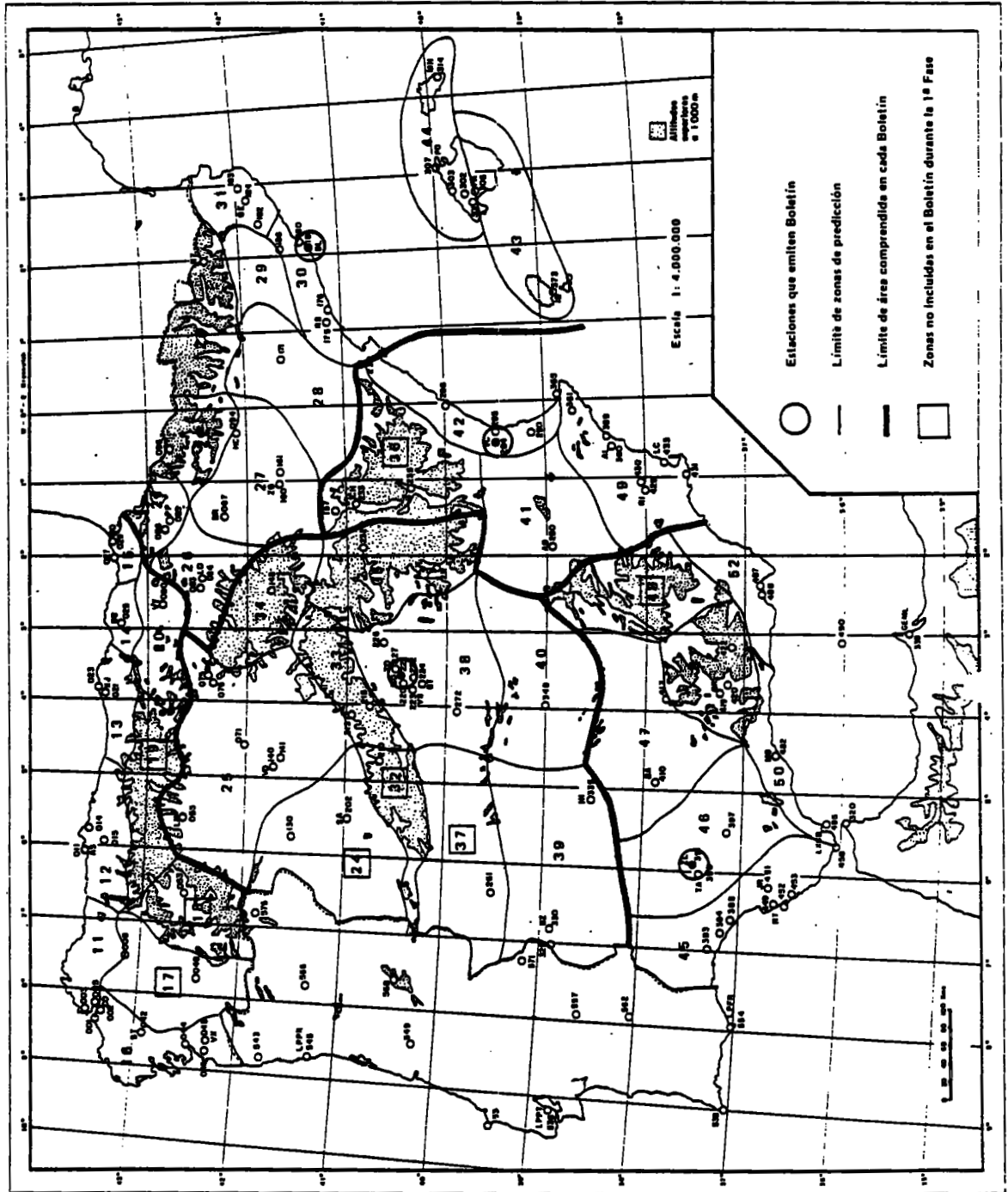
LENTOPAIKAT (MAALLA)  
 AERODROMES (LAND)

- Siviililentopaikka  
Civil Aerodrome
- ◐ Sotilalentopaikka  
Military Aerodrome
- ◑ Siviili- ja sotilalentopaikka  
Joint Civil and Military Aerodrome
- Lentopaikka ilman laitteita  
Aerodrome without facilities



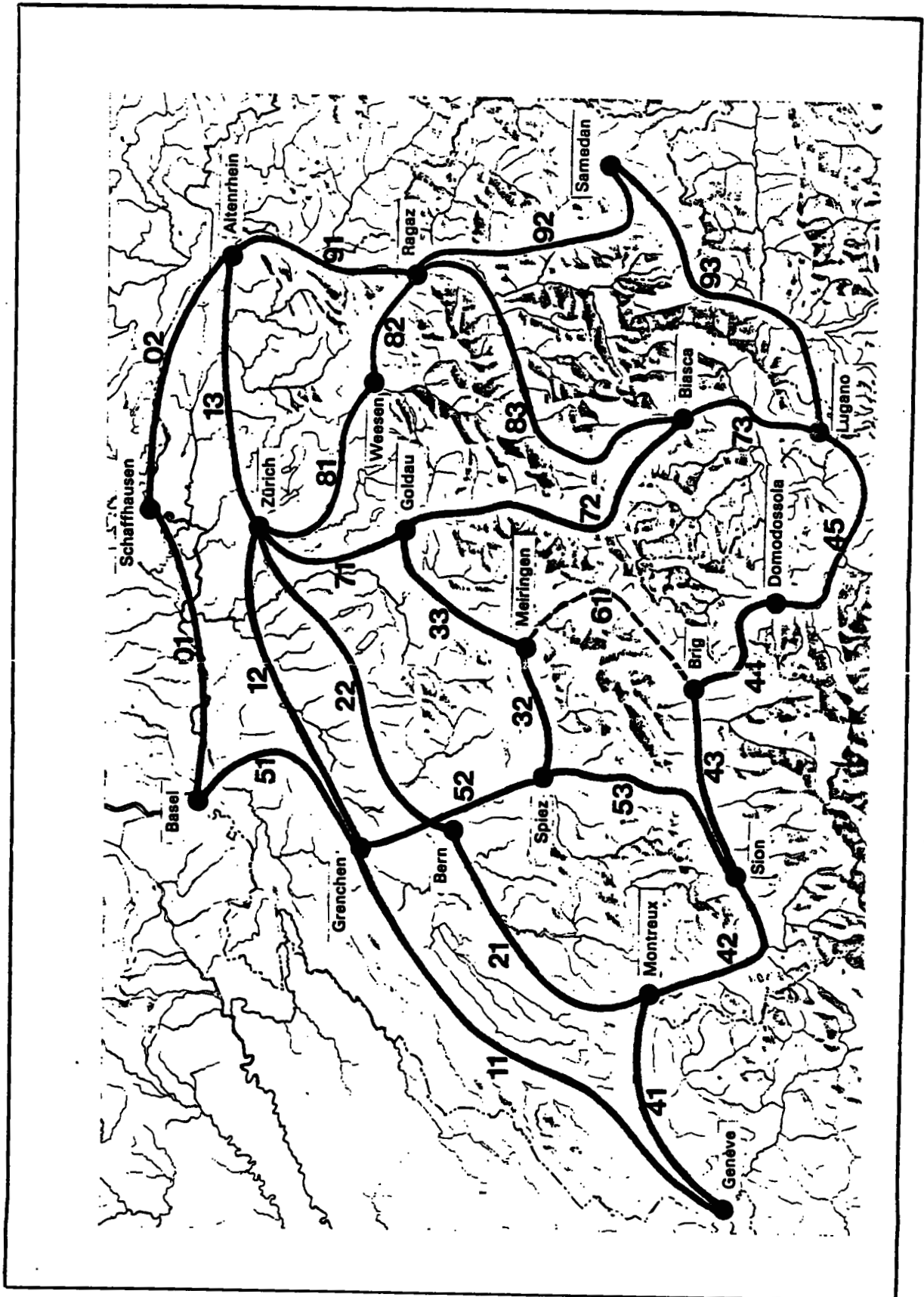
SPAIN

GAFOR sub-areas



SWITZERLAND

GAFOR route segments



Annex V - Marine Meteorological Services (MMS)  
and related oceanographic activities

Date: 15 October 1983

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B. Guidance material

2. Reports on MMS

Following a recommendation of the Meeting on Argos Joint Tariff Agreement in 1982 a Guide to Data Collection and Location Services Using Service Argos has been published as Report No. 10 in the series "Marine Meteorology and Related Oceanographic Activities". The main purpose of the Guide is to encourage more countries to use platforms by explaining the Argos system possibilities and provide a source of reference material for the design and construction of buoy hardware, on the one hand, and to promote the real-time exchange of data on the other. Copies may be obtained from the WMO Secretariat on request.

C. Information on the operation of Marine Meteorological Services

1. Broadcasts for shipping and other marine activities (Publication No. 9, Volume D, Part A)

1.3 Changes in technical specifications

All-VI QUICKBORN-PINNEBERG radio-facsimile broadcast for shipping effective 1.8.1983-  
replace DDH8 13657 kHz by DDK6 13882.5 kHz.

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