

Declassified E.O. 12356 Section 3.3/NND

No.

785017

ACC

10000/135/231

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METEOROLOGICAL ORGANIZATION
OCT. 1945 - JUNE 1946

(194) LROF V MEXX NR MEXX 1689/23 R/R

CVR2

FROM ELMAS

TO (1) AMQ MALTA 231307Z

INFO (2) ALLIED SUB COMMISSION ALLIED COMMISSION ROME

CR--- BT

S103 (.) 23 SEPT (.) UNCLASS (.) ATTN CSC AND S MED O (.)

REQUEST CLARIFICATION OF POSITION REGARDING RECEPTION OF NET
DATE FOR ELMAS (.) AT PRESENT WORK DONE BY ITALIAN W/OPS AND
ITALIAN AUTHORITIES PROPOSE TO REMOVE ALL OPTRS EXCEPT ONE AND
INSTALL A TELEPRINTER CIRCUIT CONNECTED TO CAV CAGLIARI (.)
NET SECTION HERE THINK THAT THIS SYSTEM WILL WORK SATISFACTORILY
PROVIDED (1) THERE IS ALWAYS AN ITALIAN ~~W/OP~~ ~~W/OP~~ ~~W/OP~~
W/OP ON DUTY (2) THAT THE TELEPRINTER CIRCUIT IS NOT SUBJECT
TO BREAK DOWNS IN THE EVENT OF ONE OR TWO

HAPPENING HAVE WE AUTHORITY TO DEMAND THE ITALIANS
TO RETURN TO THE ORIGINAL ARRANGEMENT.

BT 231307Z

SENT E SEAUARD K

~~LAST LINE SHOULD READ THE ORIGINAL ORIGINAL~~

RD EVANS VA (K).

3900.

ac s/c.
H/6785.

21A

7936.
49.

S513

Sigs

40

240930

0130.

Copy of letter to Met. Affs from
J.A.M.

airways 6/8/46

RE-ORGANISATION OF METEOROLOGICAL BROADCASTS.

20A

The Directors of the Meteorological Services of Italy, England, France and Russia, at a meeting held in Paris in June 1946 (Conférence de l'Organisation Meteorologique Internationale - Commission Regionale Europeenne) have agreed upon the procedure for the re-organisation of the European Weather Collectives (5th. resolution):

For the radio broadcast of the above general weather collectives, four regions have been established which are as follows:-

1st. Region (transmitting centre: LONDON).

United Kingdom, Ireland, Norway, Sweden, Iceland, Greenland and some observations for North America.

2nd. Region (transmitting centre: PARIS.).

France, Denmark, Germany, Austria, Netherlands, Switzerland, Belgium, Luxembourg, Spain, Portugal (including the Cape Verde and Madeira Islands), Azores, Morocco, Algeria, Tunisia, and an eventual selection of observations from United Kingdom, Ireland, Norway, Sweden, Iceland, Greenland and Sardinia.

3rd. Region (transmitting centre: MOSCOW).

U.S.S.R. (European Zone), Finland, Poland, Czechoslovakia, Yugoslavia, Rumania, Hungary, Bulgaria, Albania and an eventual selection from Germany.

4th. Region (transmitting centre: ROME).

Italy, Greece, Turkey, Syria, Iraq, Transjordan, Palestine, Egypt and Libya.

Each of the above centres will transmit observations of their respective regions and also ship observations (of 0001, 0600, 1200 and 1800 G.M.T.) from the North Atlantic, Mediterranean, Arctic Ocean and the internal European seas intercepted by the interested countries and based on the national Met. system.

The collective of each Region is divided into two parts:- List "A" and List "B". List "A" are included reports from the main airfields, island stations, key-stations (mountain-passes) and ships; in List "B" are included reports from the other stations, together with Pilot Balloons, Radio-Sondes and Radio-Pilots.

39

Because of the length of Radio-Sonde and Radio-Pilot reports (to be made twice a day between 0400 and 1600 G.M.T.) they will be divided into two parts and broadcast at different times. The 1st Part (called "Standard" or "Basic") will contain details of the main levels (ground level, 1000 mb. level, followed by 850 mb., 700 mb., and 300 mb.) while the 2nd Part (called "intermediate points") will include complementary and more representative data.

The time for transmission assigned to each list is 10 minutes; the transmitting centre, once it has commenced broadcasting, will proceed with alternating list "A" and "B" until the end of the collective, which cannot exceed the maximum established period of 150 minutes (sufficient time by automatic transmission for 250 ground synoptic observations, 40 Radio-Sondes, 50 Pilot-Balloons and 15 ship observations).

file 5513/5163

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- 2 -

Transmissions will start from London and Paris at H+10 (at the synoptic hours 0001, 0300, 0600, 0900, 1200, 1500, 1800 and 2100 G.M.T.) with their respective Lists "A", followed at H+20 by list "B", at H+30 by a new List "A" and so on.

Transmissions will start from Moscow and Rome at H+20 (at the above synoptic hours) with their own List "A" followed by Lists "B" at H+30, at H+40 a new List "A" and so on until the end of the collective.

Transmissions according to this procedure will commence at 0001 G.M.T. on 1st September, 1946.

The collective of the 4th Region will be called again "METEO MEDIT CENTRO ORIENTALE" and transmitted by the Meteorological Information Centre of the Air Ministry (telegraphic address: MACIA-ROMA).

The procedure for the transmission from METEO MEDIT is set out in Appendix 1, and in Appendix 2 are listed the Met. reporting stations of Lists "A" or "B".

Another resolution (the 1st) discussed and approved in Paris dealt with the broadcast by the ^{transmitting} centre of Analyses of the respective regions. Analyses for the 4th Region will be transmitted by MACIA at 0215, 815, 1415 and 2015 GMT (see Appendix 3).

Nothing has been changed with regards to the collective of "Avvisi agli aeronaviganti" (at 0600, 0900, 1200 and 1500 G.M.T.) and to "PHOC" (transmissions made for the Allies at 0015, 0615, 1215 and 1815 G.M.T.) which MACIA will continue to transmit as at present.

APPENDIX 1."METEO MEDIT CENTRO ORIENTALE"

ADDRESS: MINISTERO AERONAUTICA - Centro Informazioni Meteorologiche ROMA
(telegraphic address: MACIA - ROMA.).

CALL SIGN: I M B.

FREQUENCIES: 11250 K/C (26,6 m.) 0600 to 1759 G.M.T.
8695 K/C (34,50 m.)
5895 K/C (50,9 m.)
3090 K/C (97,08 m.)
8695 K/C (34,50 m.) 1800 to 0559 G.M.T.
5895 K/C (50,9 m.)

TRANSMITTING AERIAL STRENGTH: About 1000 W.

HOURS OF BROADCAST: H + 20 List "A"
H + 30 List "B"
H + 40 List "A"
H + 50 List "B"
H + 60 List "A"
H + 70 List "B" etc.

(for the following hours: 0000, 0300, 0600, 0900, 1200, 1500,
1800 are 2100 G.M.T.)

PREAMBLE: CQ CQ CQ de I M B I M B (repeated several times) METEO MEDIT CENTRO
ORIENTALE QUE TMO (then follows List "A").

37

COMPOSITION OF MESSAGE: Synop
Corac (or Temp)
Pilot
Ship

RETARD
Synop
ect.

RECTIF
Synop
etc.

NOTE: a) The broadcasts by "METEO MEDIT CENTRO ORIENTALE" contain ground
and Upper Air information for Italy, Greece, Turkey, Libya, Syria,
Iraq, Transjordan, Palestine, Egypt, and also ship observation

ADDRESS: L'UNIONE ASSOCIATA - Centro Internazionale Elettrotelegrafico Roma
(telegraphic address: MACIA - ROMA.).

CALL SIGN: I.M.B.

FREQUENCIES: 11250 K/C (26,6 m.)
8695 K/C (34,50 m.) 0600 to 1759 G.M.T.
5895 K/C (50,9 m.)

3090 K/C (97,08 m.)
8695 K/C (34,50 m.) 1800 to 0559 G.M.T.
5895 K/C (50,9 m.)

TRANSMITTING AERIAL STRENGTH: About 1000 W.

HOURS OF BROADCAST: H + 20 List "A"
H + 30 List "B"
H + 40 List "A"
H + 50 List "B"
H + 60 List "A"
H + 70 List "B" etc.

(for the following hours: 0000, 0300, 0600, 0900, 1200, 1500, 1800 are 2100 G.M.T.)

PREAMBLE: CC CC CC de L'UNION (repeated several times) CENTRO HEDIT CENTRO ORIENTALE ORZ TNG (then follows List "A").

37

COMPOSITION OF MESSAGE: Synop
Corac (or Temp)
Pilot
Ship

EXTEND
Synop
ect.

RECTIF
Synop
etc.

- NOTE:
- a) The broadcasts by CENTRO HEDIT CENTRO ORIENTALE contain ground and Upper Air information for Italy, Greece, Turkey, Libya, Syria, Iraq, Transjordan, Palestine, Egypt, and also ship observation for the Mediterranean.
 - b) If the observations are received with difficulties or, in fragments they will be re-broadcast as usual but followed by an explanation in the "C" code.
If a figure is missing or doubtful it will be substituted by the letter "X" (---)

ALPHABETICALLY

- LIST "A" -

<u>NAME</u>	<u>LOCATION</u>	<u>INITIALS</u>	<u>DATE</u>	<u>TIME</u>
ALABAMA	(AIRPORT)	301	07	50
ALABAMA	(AIRPORT)	305	07	50
ALABAMA	(AIRPORT)	305	08	54
ALABAMA	(AIRPORT)	302	09	17
ALABAMA	(AIRPORT)	306	10	18
ALABAMA	(AIRPORT)	311	10	51
ALABAMA	(AIRPORT)	305	11	17
ALABAMA	(AIRPORT)	305	13	15
ALABAMA	(AIRPORT)	313	12	23
ALABAMA	(AIRPORT)	310	13	46
ALABAMA	(AIRPORT)	742	11	17
ALABAMA	(AIRPORT)	310	10	19
ALABAMA	(AIRPORT)	849	14	20
ALABAMA	(AIRPORT)	321	11	13
ALABAMA	(AIRPORT)	312	12	14
ALABAMA	(AIRPORT)	310	14	13
ALABAMA	(AIRPORT)	314	12	57
ALABAMA	(AIRPORT)	315	14	15
ALABAMA	(AIRPORT)	316	15	33
ALABAMA	(AIRPORT)	805	16	47
ALABAMA	(AIRPORT)	863	19	17
ALABAMA	(AIRPORT)	311	17	57
ALABAMA	(AIRPORT)	804	18	21
ALABAMA	(AIRPORT)	314	16	08
ALABAMA	(AIRPORT)	865	17	56
ALABAMA	(AIRPORT)	651	15	33
ALABAMA	(AIRPORT)	862	15	05
ALABAMA	(AIRPORT)	901	15	05
ALABAMA	(AIRPORT)	864	15	05
ALABAMA	(AIRPORT)	854	13	56
ALABAMA	(AIRPORT)	877	12	35
ALABAMA	(AIRPORT)	852	13	20
ALABAMA	(AIRPORT)	690	13	11
ALABAMA	(AIRPORT)	330	09	46
ALABAMA	(AIRPORT)	314	09	43
ALABAMA	(AIRPORT)	880	08	17
ALABAMA	(AIRPORT)	802	12	13

385

Page 2.

APPENDIX A CONT.ITALY

- LIST "B" -

<u>Location</u>	<u>Indication</u>	<u>Lat. N.</u>	<u>Long. E.</u>
M. CILIONE	758	44° 12'	10° 40'
ROSTANON	301	45 53	08 27
ALPI	702	44 54	08 12
NOVI LIGURE	703	43 47	08 47
PADANILLA	765	43 08	11 02
PIACENZA	724	45 02	09 44
PASO CIRA	710	44 28	09 56
PALERMO	801	44 03	09 50
PORTO	843	44 02	10 56
TRIN	776	46 04	11 06
UDINE	772	46 03	11 11
VERVINO (Airport)	777	45 38	12 12
PADOVA	764	45 24	11 51
PERARA	747	44 50	11 37
RIMINI	770	44 02	12 37
FIORILE	317	43 46	11 13
PICOMINO	820	42 55	10 33
MONTETIADONE	621	42 32	12 07
RIETI	327	42 24	12 52
L'AQUILA	837	42 21	13 24
CAPRALCOTTA	832	41 50	14 16
PERNOCHE (Airport)	791	41 39	13 18
TRINCHI	853	40 00	15 00
VIGONE	852	41 53	16 11
GALLA	815	41 13	11 35
ARIANO IRPINO	824	41 09	15 06
ROTONA (P)	330	40 38	15 45
TRINCHI	331	40 28	17 14
ALCOE	839	40 14	18 18
ROTONDELLA	851	40 10	16 35
VICO VALLERIA	851	36 40	16 06
CALABRIZZI	807	39 34	16 48
G. SPARIVERTO	831	37 53	16 04
TRIN	845	37 34	14 15
CAP. NERONE	884	36 38	08 25
CAP. CHEROSANA	883	39 06	09 31
ORIGIANO	337	39 54	08 38
FORTE	88	40 07	09 12
CAP. CILIONE	894	40 30	49 49
OLIA (2)	335	40 56	09 30

1648

Page 30

AMERICAN E. 00010

DATA

- LIST #1 -

Station	Indicator	Date Re.	Date F.
MADE (Volante) (P)(F)	345	35 34	14 31

CHINA

- LIST #2 -

BEIJING (Comm)	733	39	37	19	59
LANZHOU	625	39	35	22	39
APEN (Airport) (P)(F)	730	36	07	21	44
CHANGCHUN	643	36	19	21	44
LA CHINA (Comm) (P)	737	37	02	22	03
SHANGHAI	639	35	30	24	08
YANCHENG (Airport) (P)	731	36	00	21	43
WUHAN	657	40	44	21	01
YANGTSE (P)	640	34	13	21	23
		36	07	28	04

- LIST #3 -

LANHOU	734	39	33	15	04
SHANGHAI	626	36	56	24	33
SHANGHAI (Comm)	736	37	47	20	33
CHINA	735	38	20	26	10
YANCHENG (Comm)	739	39	21	25	08
YIN	677	36	43	24	25
ALBANIA	732	41	51	25	33
PARIS	635	37	05	25	33
BERLIN	630	41	03	25	33
TRIESTE	667	37	31	23	34
		36	09	21	33

RUSSIA

- LIST #4 -

RUSSIA	744	47	06	39	44
RUSSIA	743	47	02	35	40
RUSSIA (P) (F)	741	40	58	28	50
RUSSIA (Comm)	745	40	09	26	04
RUSSIA (Comm)	754	38	06	27	10
RUSSIA (Comm)	755	35	53	30	44
RUSSIA	758	36	09	35	19
RUSSIA	759	37	03	36	17

Station Indicator Lat., U. Long., E.

VALLEA (Valleeta) (P)(F) 301 35° 54' 14° 31'

CHINA

BEIJING (Gorb) 733 37 95
 LAKE LUNA 675 38 25
 SHANGHAI (Airport) (P)(F) 730 39 44
 TIENTSIN 628 41 44
 CANTON 730 42 03
 LA CHINA (Gorb) (P) 737 44 02
 HONGKONG 600 41 43
 TIENTSIN (Airport) (P) 737 43 01
 LAKE LUNA 627 44 23
 KALANG (P) 600 45 04

INDIA

BOMBAY 734 53 04
 DELHI 676 54 13
 CALCUTTA (Gorb) 716 47 13
 CHENNAI 715 48 10
 HYDRABAD (Gorb) 738 49 08
 MUMBAI 677 43 25
 PUNE 732 51 53
 RAJASTHAN 695 45 30
 RAJASTHAN (P) 667 41 34
 RAJASTHAN 651 37 35

INDONESIA

BEIJING 764 44 44
 LAKE LUNA 763 45 10
 SHANGHAI (P) (F) 761 46 50
 CANTON (Gorb) 740 46 24
 TIENTSIN (Gorb) 754 47 10
 LA CHINA (Gorb) 755 48 44
 HONGKONG 756 49 13
 TIENTSIN 755 47 37
 KALANG 752 45 15

Page 4.

APPENDIX 2 cont.TURKEY

- LIST "A" -

Station	Indicator	Lat. N.	Long. E.
KAYZERI	750	38° 44'	35° 30'
ANTARA (P)	747	39 57	32 53
CORLU	063	41 10	27 48
LONGULDAK	064	41 27	31 49
BODRUM	062	37 02	27 27

- LIST "B" -

IZNIT	742	40 46	29 56
MONYA	756	37 53	32 31
LDIRNE (Adrianopoli)	740	41 40	26 35
ESKISEHIR	746	39 47	30 32
SIVAS	748	39 45	37 02
ERZURUM	749	39 55	41 17
ULUKISLA	757	37 33	34 30
VAN	753	38 28	43 21
BILECIK	061	40 09	30 00
BALIKLIR	060	39 39	27 53
ISKENDRUN	065	36 36	36 11
TERKIDAG	851	40 58	27 30
BURSA	852	40 11	29 04
CORUM	855	40 35	35 00
SAMSUN	857	41 17	36 20
AKHISAR	861	38 53	27 53
USAK	862	38 41	29 24
AFYON	865	38 45	30 33
KIRSCHIR	866	39 08	34 10
NAZILLI	870	37 53	28 21
LUGLA	871	37 15	28 33
IBTHIYE	872	36 37	29 07
CILIFKE	874	36 22	33 56
URFA	877	37 10	38 45
KASTAMONU	880	41 21	33 45
MALATYA	751	38 21	38 19

- LIST "A" -

BEYRUTH (P)	780	33 52	35 29
TRIPOLI (P)	797	34 27	35 49
DAMASCO	781	33 29	36 14
PALMYRA	786	34 33	38 17
HOMS	787	34 43	36 43

Page 5.

APPENDIX 2 CONT.

<u>Location</u>	<u>Indicator</u>	<u>Lat. N.</u>	<u>Long. E.</u>
<u>SYRIA</u>			
-- LINE "B" --			
RAVAK	798	33° 52'	36° 00'
KHARA	799	33 50	35 53
<u>QATAR</u>			
-- LINE "A" --			
AFGHANISTAN AIRBASE	282	35 40	34 34
NICOTIA (P)	348	35 03	33 17
PANCHO (P)	280	34 45	32 25
MINAGHEL	347	34 40	33 02
<u>KENYA</u>			
-- LINE "B" --			
KIMBIA	283	33 20	33 19
LAKEHOLA	345	34 54	33 30
<u>PALAUAN AIR STATION</u>			
-- LINE "A" --			
LAKE NAYIA (P)	204	32 40	35 11
KAMALAH	764	31 53	35 12
LYNDA (P)(P)	762	31 00	34 54
KALIA	211	31 40	35 30
LAKE GROUNDS H.4	766	32 30	35 12
LAKE GROUNDS H.5	303	32 11	37 07
KALIA	768	29 33	34 58
-- LINE "B" --			
ROCK HALL	201	32 59	35 30
ROCK HALL	202	32 40	34 58
KALIA (P)	753	31 57	35 28
CLIA	761	31 31	34 26
<u>IRAN</u>			
-- LINE "A" --			
ROCK	770	36 19	43 09
KALIA	779	34 40	43 26
BAHAR (P) (Airport)	774	33 20	44 24
KALIA	776	33 00	44 17
TIKANDIAH (P)	775	33 50	44 59
KALIA	777	30 29	47 39
LAKE KALIA	641	30 28	44 43
KALIA (P)(P)	773	33 22	43 34
LAKE GROUNDS H.3 (P)	230	35 56	44 44

31

32

Page 6.

APPENDIX A - cont.

ENGL

-- LINES "B" --

Abul Hasanin/destinationLong. E.Lat. N.

KUR AL BAL	233	30° 10'	66° 03'
HUMAIR	612	32° 02'	42° 15'
WASIRIYA (P)	613	31° 01'	46° 14'
BURALIYA	614	30° 02'	46° 09'
BLATUK	771	35° 28'	44° 24'
BANAM (MORRIS) (P)	772	34° 04'	42° 22'
BINGIRO	819	36° 04'	49° 02'

ENGL

-- LINES "B" --

ALISA MARCH (Airport) (P)	160	31° 20'	27° 13'
PORTO SAID (Airport) (P)	161	31° 17'	32° 15'
ALMAA (P)	141	30° 07'	31° 31'
ISKON (P)	157	25° 39'	32° 39'
ADYU	155	27° 11'	31° 13'
FOR	149	28° 14'	33° 37'
AL SHILAH	135	31° 07'	33° 46'
LAKUT (P)	150	31° 11'	29° 37'
RIHTA (Airport) (P)	182	28° 09'	30° 44'
CHALUPA	922	30° 03'	32° 33'
SINA	148	29° 10'	25° 29'
BAHALLA	145	28° 39'	20° 54'
BAXALA	152	25° 29'	29° 00'
ADWAN	158	24° 05'	32° 53'
PAYUN	153	29° 16'	30° 51'
TARZA	138	30° 47'	31° 00'
KURGHADA (Airport) (P)	163	27° 17'	33° 46'

31

-- LINES "B" --

PORTO SAID	134	31° 16'	32° 19'
ALSHAHENIA	132	31° 12'	33° 51'
ADWEN (P)	133	31° 18'	30° 06'
ABU DULIA	923	30° 34'	32° 06'
IMAILIA (P)	142	30° 36'	32° 14'
QALHO PORT	926	30° 07'	30° 58'
SAJEFOLAH (P)	140	30° 05'	31° 22'
BARA	919	30° 17'	31° 21'
BARURA	137	31° 03'	31° 23'
BARANTUK	136	31° 02'	30° 28'
ZAGATIG	135	30° 35'	31° 30'

Page 7.

ROYALStationIndicator

- LIST "B" -

Long. E.Lat. N.

BALDWIN

QUINTA

KARAKA

OZMA

SANTOYA

MOZE

LYDIA

143

147

151

156

159

144

29° 52'

26 08

23 26

26 10

31 25

29 56

31° 30'

34 48

30 34

32 43

31 49

32 13

NAJOT (P)

CAJETA DEL RIO (P)

KIMURANA (P)

HINTE (P)

BETIRA

EL ARRI

KUTRA

104

101

102

103

504

505

104

31 52

32 48

32 23

31 12

32 05

31 51

24 12

10 58

13 10

15 05

16 35

20 15

23 56

25 20

10 58

13 10

15 05

16 35

20 15

23 56

25 20

MARA (P)

MULALA (P)

BARRA (P)

AGUADILLA (P)

GIRRE

930

910

112

500

125

32 35

32 55

32 44

30 43

32 49

12 05

13 16

22 38

20 10

21 51

30

APPENDIX 3." FOURTH REGION ANALYSES "

ADDRESS: MINISTERO AERONAUTICA - Centro Informazioni Meteorologiche ROMA
(telegraphic address: MACIA ROMA.).

CALL SIGN: I.M.B.

FREQUENCIES:	11250	K/C	(26,6 m.)	0600 to 1759 G.M.T.
	8695	K/C	(34,50 m.)	
	5895	K/C	(50,9 m.)	
	3090	K/C	(97,08 m.)	1800 to 0559 G.M.T.
	8695	K/C	(34,50 m.)	
	5895	K/C	(50,9 m.)	

TRANSMITTING AERIAL STRENGTH: About 1000 w.

TIMES OF BROADCAST:	0215	to	0300	G.M.T.
	0615	"	0900	"
	1415	"	1500	"
	2015	"	2100	"

PREAMBLE: CQ CQ CQ de IMB IMB IMB (repeated several times) ANALISE QUARTA
REGIONE (then follows the message in C.A.G. form.).

File
19A

AIR FORCE'S SUB COMMISSION, A.C., ROME

09/1400B Apr. '46

A.A.A.C. SECRETARIAT

UNCLASSIFIED

9.502 NY AFSC/AIR/S.513/SIGS APR 3 AMEND PARA
FOUR ^{FIVE} LINE 2 BETWEEN ARE AND PERMITTED INSERT NOT (R)
NOT

REF AFSC/AIR/S.513/SIGS

28

29

ROUTINE

SIGNALS OFFICE AFSC

ECW Freeman F/L

205

From : Air Forces Sub-Commission, AG, Rome
 To : Mediterranean Allied Air Committee Secretariat.
 Date : 3rd April 1946
 Ref. : AFM/AIR/8.513/SIG.

METEOROLOGICAL BROADCASTS - ITALIAN AIR FORCE

During a recent visit of Director of the Overseas Branch of the Meteorological Office, M.O.5, to Italy, the broadcast of "Met. Actuals" of Italian Airfields was discussed with this Sub-Commission's representative and the Director of the Italian Meteorological Service.

2. It was agreed that there exists a requirement for the periodical broadcast of this information in respect of the principal airfields, and it was stressed that such a service would be a great assistance to D.O.4.C., Transport Command and T.M.A. aircraft. The resources of the Italian Air Force do not, however, permit of this service being instituted independently at all main airfields on account of the equipment and man power that would be required for its operation.

3. The alternative proposed by the Italian Air Force is an extension of a service which has been already sanctioned at some stations, and was standard practice; that is the broadcaster short Met. bulletins on the M.F.2000s transmitters. Such broadcasts are being made by the beacons of Brindisi, Palermo and Venice in respect of their own weather. It is proposed that short collectives covering not more than three airfields should be broadcast by the following stations:-

(i) Milan Beacon	Limite - Turin & Genoa
(ii) Venice Beacon	Venice - Treviso - Padua
(iii) Brindisi Beacon	Brindisi - Bari
(iv) Palermo Beacon	Palermo - Catania
(v) Olbia Beacon	Olbia
(vi) Alghero Beacon	Alghero - Alghero

The broadcasts would be made in reduced form 13 and would be transmitted for alternate minutes at 5.00 : 5.50 and would not exceed five minutes duration.

4. It is noted that in the past, the objections raised by Headquarters No.16 Group to this service being operated from Alghero have been upheld by Headquarters Royal Air Force Mediterranean and Middle East and that while the Italian Air Force beacon at Alghero is operated for use of the Allies as a navigational aid, Met. broadcasts are permitted. It is felt however, that since the request for the Met. broadcast service detailed in para.2 was originated with Air Ministry, M.O.5, it might be timely to review the current ruling and allow the beacon at Alghero to carry out the service scheduled.

5. Your letter ref. MCOM/1214/3/AFM dated 17th February 1946 and this Sub-Commission's letter ref. AFM/AIR/8.513/SIG, dated 23rd January 1946, to Air Headquarters, RAF, Italy, refer.

During a recent visit of Director of the Overseas Branch of the Meteorological Office, M.O.5, to Italy, the broadcast of "Met. Actuals" of Italian Airfields was discussed with this Sub-Commission's representative and the Director of the Italian Meteorological Service.

2. It was agreed that there exists a requirement for the periodical broadcast of this information in respect of the principal airfields, and it was stressed that such a service would be a great assistance to D.O.A.C., Transport Command and T.A.A. aircraft. The resources of the Italian Air Force do not, however, permit of this service being instituted independently at all main airfields on account of the equipment and man power that would be required for its operation.

3. The alternative proposed by the Italian Air Force is an extension of a service which has been already mentioned at some stations, and was standard pre-war practice; that is the broadcaster short Met. bulletins on the M.O.5 beacons transmitters. Such broadcasts are being made by the beacons at Brindisi, Palermo and Venice in respect of their own weather. It is proposed that short collective covering not more than three airfields should be broadcast by the following stations:-

(i) Milan Beacon	Limone - Turin & Genoa
(ii) Venice Beacon	Venice - Treviso - Padua
(iii) Brindisi Beacon	Brindisi - Taranto
(iv) Palermo Beacon	Palermo - Catania
(v) Olbia Beacon	Olbia
(vi) Alghero Beacon	Alghero

The broadcasts would be made in reduced form 13 and would be transmitted for alternate minutes at H.O. 14-30 and would not exceed five minutes duration.

4. It is noted that in the past, the objections raised by Headquarters W0216 Group to this service being operated from Limas have been upheld by Headquarters Royal Air Force Mediterranean and Middle East and that while the Italian Air Force beacon at Limas is operated for use of the Allies as a navigational aid, Met. broadcasts are permitted. It is felt however, that since the request for the Met. broadcast service detailed in para.2 has originated with Air Ministry, M.O.5, it might be timely to review the current ruling and allow the beacon at Limas to carry out the service scheduled.

5. Your letter ref. W0216/4214/3/AFMS dated 17th February 1946 and this Sub-Commission's letter ref. W0216/AFMS/5.512/5108, dated 23rd January 1946, to Air Headquarters, RAF, Italy, refer.

W. J. Lee

S. I. Lee
SIC. GENERAL
DEPUTY DIRECTOR
AIR FORCE SUB-COMMISSION

CAGLIARI (Italian).

Call Sign : ILE.

Frequencies : 6230, 5785 Kcs. (day)
3235, 5785 Kcs. (night)

Time G.M.T.

Contents.

0000 - 0005	0000Z Sardinian Collective
0015 - 0025	0000Z Sardinian Collective
0300 - 0305	0300Z Sardinian Collective
0315 - 0325	0300Z Sardinian Collective
0400 - 0410	Hourly Collective in F. I3
0500 - 0510	Hourly Collective in F. I3 + Serviceability Rpts.
0530 - 0535	Regional Forecasts
0600 - 0605	0600Z Sardinian Collective and ELMAS RAOB
0615 - 0625	0600Z Sardinian Collective and ELMAS RAOB
0700 - 0710	Hourly Collective in F. I3
0800 - 0810	Hourly Collective in F. I3 + Serviceability Rpts.
0900 - 0905	0900Z Sardinian Collective
0915 - 0925	0900Z Sardinian Collective
1000 - 1010	Hourly Collective in F. I3
1100 - 1110	Hourly Collective in F. I3 + Serviceability Rpts.
1200 - 1205	1200Z Sardinian Collective
1215 - 1225	1200Z Sardinian Collective
1300 - 1310	Hourly Collective in F. I3
1400 - 1410	Hourly Collective in F. I3 + Serviceability Rpts.
1430 - 1435	Regional Forecasts
1500 - 1505	1500Z Sardinian Collective
1515 - 1525	1500Z Sardinian Collective
1600 - 1610	Hourly Collective in F. I3
1700 - 1710	Hourly Collective in F. I3
1800 - 1805	1800Z Sardinian Collective and ELMAS RAOB
1815 - 1825	1800Z Sardinian Collective and ELMAS RAOB
2100 - 2105	2100Z Sardinian Collective
2115 - 2125	2100Z Sardinian Collective

Note :- The Sardinian Collective consists of the following stations :-

- a) at 0000Z & 2100Z : 335, 336, 337, 338 and 662;
- b) at 0300Z, 0600Z, 0900Z, 1200Z, 1500Z, 1800Z : 335, 336, 337, 338, 662, 880, 882, 883, 884, 885, 886, 887, 888, 890, 891, 893, 894 in F. I10; also at these times (excluding 0300Z) station 881 in F. I3.

The Hourly Collective in F. I3 consists of the following : **28**
335, 336, 337, 338, 662, 880, 881, 882, 883, 884, 887 and 890.

CATANIA (Italian)

Call Sign : IMC
 Frequencies : 6230, 5785 Kcs. (day)
 3235, 5785 Kcs. (night)

Time G.M.T.

Contents.

0005 - 0010	0000Z Sicilian Collective
0025 - 0035	0000Z Sicilian Collective
0305 - 0310	0300Z Sicilian Collective
0325 - 0335	0300Z Sicilian Collective
0410 - 0420	Hourly Collective in F.I3
0510 - 0520	Hourly Collective in F.I3 + Serviceability Reports
0535 - 0540	Regional Forecasts
0605 - 0610	0600Z Sicilian Collective and PALERMO RAOB
0625 - 0635	0600Z Sicilian Collective and PALERMO RAOB
0710 - 0720	Hourly Collective in F.I3
0810 - 0820	Hourly Collective in F.I3 + Serviceability Reports
0905 - 0910	0900Z Sicilian Collective
0925 - 0935	0900Z Sicilian Collective
1010 - 1020	Hourly Collective in F.I3
1110 - 1120	Hourly Collective in F.I3 + Serviceability Reports
1205 - 1210	1200Z Sicilian Collective
1225 - 1235	1200Z Sicilian Collective
1310 - 1320	Hourly Collective in F.I3
1410 - 1420	Hourly Collective in F.I3 + Serviceability Reports
1435 - 1440	Regional Forecasts
1505 - 1510	1500Z Sicilian Collective
1525 - 1535	1500Z Sicilian Collective
1610 - 1620	Hourly Collective in F.I3
1710 - 1720	Hourly Collective in F.I3
1805 - 1810	1800Z Sicilian Collective and PALERMO RAOB
1825 - 1835	1800Z Sicilian Collective and PALERMO RAOB
2105 - 2110	2100Z Sicilian Collective
2125 - 2135	2100Z Sicilian Collective

Note :- The Sicilian Collective consists of the following stations :-

- a) at 0000Z & 2100Z : 650, 651, 652, 653, 654, 862, 865, 864, 875; **25**
 b) at 03, 06, 09, 12, 15 and 1800 Z : 650, 651, 652, 653, 654, 655, **831**,
 862, 863, 864, 865, 869, 875, 877.

The Hourly Collective in F. I3 consists of the following :-

650, 652, 653, 654, 655, 862, 864, 865 and 877.

BRINDISI (Italian).

11 : ILI

frequencies : 6230, 5785 Kcs. (day)
3235, 5785 Kcs. (night)

Time G.M.T.

Contents.

0010 - 0015	0000Z 4th. Zone Collective
0035 - 0050	0000Z 4th. Zone Collective
0310 - 0315	0300Z 4th. Zone Collective
0335 - 0350	0300Z 4th. Zone Collective
0420 - 0430	Hourly Collective in F. 13
0520 - 0530	Hourly Collective in F. 13 + Serviceability Reports
0540 - 0545	Regional Forecasts
0610 - 0615	0600Z 4th. Zone Collective and BARI RAOB
0635 - 0650	0600Z 4th. Zone Collective and BARI RAOB
0720 - 0730	Hourly Collective in F. 13
0820 - 0830	Hourly Collective in F. 13 + Serviceability Reports
0910 - 0915	0900Z 4th. Zone Collective
0935 - 0950	0900Z 4th. Zone Collective
1020 - 1030	Hourly Collective in F. 13
1120 - 1130	Hourly Collective in F. 13 + Serviceability Reports
1210 - 1215	1200Z 4th. Zone Collective and BRINDISI THUM
1235 - 1250	1200Z 4th. Zone Collective and BRINDISI THUM
1320 - 1330	Hourly Collective in F. 13
1420 - 1430	Hourly Collective in F. 13 + Serviceability Reports
1440 - 1445	Regional Forecasts
1510 - 1515	1500Z 4th. Zone Collective
1535 - 1550	1500Z 4th. Zone Collective
1620 - 1630	Hourly Collective in F. 13
1720 - 1730	Hourly Collective in F. 13
1810 - 1815	1800Z 4th. Zone Collective and BARI RAOB
1835 - 1850	1800Z 4th. Zone Collective and BARI RAOB
2110 - 2115	2100Z 4th. Zone Collective
2135 - 2150	2100Z 4th. Zone Collective

Note 1:- The 4th. Zone Collective consists of the following stations :-

a) at 0000Z & 2100Z : 326, 328, 330, 331, 333, 334, 664 and 665;

b) at 0300, 0600, 0900, 1200, 1500 and 1800Z : 326, 328, 330, 331, 333, 334, 664, 665, 824, 825, 827, 828, 832, 837, 838, 839, 840, 841, 842, 843, 845, 851, 852 and 853 in F. 110;

The Hourly Collective in F. 13 consists of the following :-

326, 328, 330, 331, 333, 334, 664, 665, 824, 825, 827, 828, 832, 838, 839, 841, 842, 843 and 851.

MILAN (Italian).

Call Sign : ILY
 Frequencies : 6360, 4445 Kcs. 0600---1959-2. Day.
 2860, 4445 Kcs. Night.

Time G.M.T.

Contents.

0000 - 0005	0000Z Int. Zone Collective
0015 - 0030	0000Z Ist. Zone Collective
0300 - 0305	0300Z Int. Zone Collective
0315 - 0330	0300Z Ist. Zone Collective
0400 - 0410	Hourly Collective in F. 13
0500 - 0510	Hourly Collective in F. 13 + Serviceability Reports
0530 - 0535	Regional Forecasts
0600 - 0605	0600Z Int. Zone Collective and MILAN RAOB
0615 - 0630	0600Z Ist. Zone Collective and MILAN RAOB
0700 - 0710	Hourly Collective in F. 13
0800 - 0810	Hourly Collective in F. 13 + Serviceability Reports
0900 - 0905	0900Z Int. Zone Collective
0915 - 0930	0900Z Ist. Zone Collective
1000 - 1010	Hourly Collective in F. 13
1100 - 1110	Hourly Collective in F. 13 + Serviceability Reports
1200 - 1205	1200Z Int. Zone Collective and MILAN THUM
1215 - 1230	1200Z Ist. Zone Collective and MILAN THUM
1300 - 1310	Hourly Collective in F. 13
1400 - 1410	Hourly Collective in F. 13 + Serviceability Reports
1430 - 1435	Regional Forecasts
1500 - 1505	1500Z Int. Zone Collective
1515 - 1530	1500Z Ist. Zone Collective
1600 - 1610	Hourly Collective in F. 13
1700 - 1710	Hourly Collective in F. 13
1800 - 1805	1800Z Int. Zone Collective and MILAN RAOB
1815 - 1830	1800Z Ist. Zone Collective and MILAN RAOB
2100 - 2105	2100Z Int. Zone Collective
2115 - 2130	2100Z Ist. Zone Collective

Note the Ist. Zone Collective consists of the following stations :-

a) at 0000 & 2100Z : 301, 302, 303, 305 and 306;

b) at 03, 06, 09, 12, 15 and 1800Z : 301, 302, 303, 304, 305, 306, 702, 703, 710, 714, 717, 723, 724, 728, 729, 785, 801 in F. 110 and (except at 0300Z) 704, 711, 721, 727, 730, 732, 784 and 795 in F. 13;

The Hourly Collective consists of the following stations :-

302, 303, 304, 305, 306, 702, 703, 710, 717, 723, 724, 727, 730, 732, 785 and 795.

VENICE (Italian).

Call Sign : ILS
 Frequencies : 6360, 4445 Kcs. (day)
~~6360~~
 2860, 4445 Kcs. (night)

Time G.M.T.

Contents.

0005 - 0010	0000Z 2nd. Zone Collective
0030 - 0045	0000Z 2nd. Zone Collective
0305 - 0310	0300Z 2nd. Zone Collective
0330 - 0345	0300Z 2nd. Zone Collective
0410 - 0420	Hourly Collective in F. 13
0510 - 0520	Hourly Collective in F. 13 + Serviceability Reports
0535 - 0540	Regional Forecasts
0605 - 0610	0600Z 2nd. Zone Collective
0630 - 0645	0600Z 2nd. Zone Collective
0710 - 0720	Hourly Collective in F. 13
0810 - 0820	Hourly Collective in F. 13 + Serviceability Reports
0905 - 0910	0900Z 2nd. Zone Collective
0930 - 0945	0900Z 2nd. Zone Collective
1010 - 1020	Hourly Collective in F. 13
1110 - 1120	Hourly Collective in F. 13 + Serviceability Reports
1205 - 1210	1200Z 2nd. Zone Collective
1230 - 1245	1200Z 2nd. Zone Collective
1310 - 1320	Hourly Collective in F. 13
1410 - 1420	Hourly Collective in F. 13 + Serviceability Reports
1435 - 1440	Regional Forecasts
1505 - 1510	1500Z 2nd. Zone Collective
1530 - 1545	1500Z 2nd. Zone Collective
1610 - 1620	Hourly Collective in F. 13
1710 - 1720	Hourly Collective in F. 13
1805 - 1810	1800Z 2nd. Zone Collective
1830 - 1845	1800Z 2nd. Zone Collective
2105 - 2110	2100Z 2nd. Zone Collective
2130 - 2145	2100Z 2nd. Zone Collective

Note : The 2nd. Zone Collective consists of the following stations :-
 a) at 0000 & 2100Z : 308, 309, 310, 311, 312, 316 and 742;

b) at 03, 06, 09, 12, 15 and 1800Z : 308, 309, 310, 311, 316, 742, 747, 758, 762, 764, 765, 770, 772, 775, 776, 777, 778 and 312 in F. 110 and (except at 0300Z) 768 in F. 13;

The Hourly Collective consists of the following stations :-
 308, 309, 310, 311, 312, 316, 742, 747, 758, 762, 765, 768, 770, 772, 775, 777 and 778.

ROME (Italian).

Call Sign : IKO

Frequencies : 6360, 4445 Kcs. (day)
2860, 4445 Kcs. (night)

Time G.M.T.

Contents.

0010 - 0015	0000Z 3rd. Zone Collective
0045 - 0100	0000Z 3rd. Zone Collective
0310 - 0315	0300Z 3rd. Zone Collective
0345 - 0400	0300Z 3rd. Zone Collective
0420 - 0430	Hourly Collective in F. 13
0520 - 0530	Hourly Collective in F. 13 + Serviceability Reports
0540 - 0545	Regional Forecasts
0610 - 0615	0600Z 3rd. Zone Collective and CIAMPINO RAOB
0645 - 0700	0600Z 3rd. Zone Collective and CIAMPINO RAOB
0720 - 0730	Hourly Collective in F. 13
0820 - 0830	Hourly Collective in F. 13 + Serviceability Reports
0910 - 0915	0900Z 3rd. Zone Collective
0945 - 1000	0900Z 3rd. Zone Collective
1020 - 1030	Hourly Collective in F. 13
1120 - 1130	Hourly Collective in F. 13 + Serviceability Reports
1210 - 1215	1200Z 3rd. Zone Collective
1245 - 1300	1200Z 3rd. Zone Collective
1320 - 1330	Hourly Collective in F. 13
1420 - 1430	Hourly Collective in F. 13 + Serviceability Reports
1440 - 1445	Regional Forecasts
1510 - 1515	1500Z 3rd. Zone Collective
1545 - 1600	1500Z 3rd. Zone Collective
1620 - 1630	Hourly Collective in F. 13
1720 - 1730	Hourly Collective in F. 13
1810 - 1815	1800Z 3rd. Zone Collective and CIAMPINO RAOB
1845 - 1900	1800Z 3rd. Zone Collective and CIAMPINO RAOB
2110 - 2115	2100Z 3rd. Zone Collective
2145 - 2200	2100Z 3rd. Zone Collective

Note :- The 3rd. Zone Collective consists of the following stations :-

- a) at 0000 & 2100Z : 317, 318, 321, 322, 324, 327, 329 and 802;
- b) at 03, 06, 09, 12, 15 and 1800Z : 317, 318, 321, 322, 324, 327, 329, 21
663, 794, 799, 802, 805, 806, 814, 815, 819, 820, 821, 826, 836 in F. 13
and (except at 0300Z) 786, 791, 804, 809, 816, 822, 833, 898 in F. 13;

The Hourly Collective consists of the following stations :-

317, 318, 321, 322, 324, 663, 786, 791, 794, 799, 802, 804, 805, 806,
809, 814, 815, 816, 820, 822, 826, 833, 898.

ROME (Italian National Transmitter).**Call Sign : IMB****Frequencies : 11250, 5895 Kcs. (day)
3090, 5895 Kcs. (night)****Time G.M.T.****Contents.**

0015 - 0030	Landing Forecasts
0030 - 0115	0000Z National Collective
0130 - 0200	0000Z Foreign Collective
0200 - 0230	Technical Indications
0330 - 0415	0300Z National Collective + Pilot Balloon Collective
0430 - 0500	0300Z Foreign Collective
0500 - 0530	Technical Indications
0600 - 0615	Serviceability Reports
0615 - 0630	Landing Forecasts
0630 - 0715	0600Z National Collective and RAOBS
0730 - 0800	0600Z Foreign Collective and RAOBS
0800 - 0815	Technical Indications
0900 - 0915	Serviceability Reports
0930 - 1015	0900Z National Collective
1030 - 1100	0900Z Foreign Collective
1200 - 1215	Serviceability Reports
1215 - 1230	Landing Forecasts
1230 - 1315	1200Z National Collective + THUMS + P.B. Collective
1330 - 1400	1200Z Foreign Collective
1400 - 1430	Technical Indications
1500 - 1515	Serviceability Reports
1530 - 1615	1500Z National Collective
1630 - 1700	1500Z Foreign Collective
1815 - 1830	Landing Forecasts
1830 - 1915	1800Z National Collective and RAOBS
1930 - 2000	1800Z Foreign Collective and RAOBS
2130 - 2215	2100Z National Collective
2230 - 2300	2100Z Foreign Collective.

- Notes :-
- Landing Forecasts are for stations :- 302, 303, 312, 322, 331, 338, 652, 742, 777, 791, 804, 825, 839, 862 and 880.
 - The National Collective consists of rebroadcasts of the ILE, IMC, ILI, ILY, ILS and IKO Collectives.
 - The Foreign Collective consists of rebroadcasts of the Collectives from Corsica, French North Africa, Udine and Austria, RAOBS and THUMS, and a selection of about thirty observations from European Stations.
 - The P.B. Collective consists of 330, 331, 334, 338, 862 & 880.
 - Details of Landing Forecasts and Serviceability Reports are contained in separate instructions already forwarded to you.

$$\text{CS}_2$$

16 A

→ File S.513/S145.

Subject :- Half-hourly broadcasts by Italian Radio Beacons. *Swf.*

These collectives will be as follows :-

Olbia Beacon & Olbia.

It is requested that steps be taken to ensure that the Cagliari (Elmas) Beacon is allowed to carry out this scheduled service, for, in the past, Allied Authorities there have objected to it being used for this purpose.

19

John W. Ward, Esq.

Attached Meteorological N.C.O.

15A
File S. 513/503

Test

OK

To : A.H.Q. R.A.F. Italy C.O.P.

To : A.H.Q. Greece.

H.Q. DAF.

ASO. North Italy.

Date : 28 February, 1946.

Ref : AFOT/34310/5/Signala.

TRANSMISSION OF WEATHER RECORDS (ACTUALS) ON REQUEST
FROM AIRCRAFT.

1. The present system by which an aircraft obtains a weather report on request is too slow, with the result that in many cases the information becomes available to the Captain of the Aircraft too late to be of any value.

2. Arrangements will therefore, be made by the Chief Meteorological Officer of H.Q. R.A.F. Italy, for Meteorological Sections to keep all "Actual" Stations (including Civil Aeradio Stations) at which air-to-ground communication channels are maintained, supplied with current weather reports during the period of watchkeeping in suitable form for transmissions to Aircraft. At stations where half-hourly "Actual" weather reports are broadcast to aircraft, the next report will remain current in the signal office after broadcast until the next report is received from the Meteorological Section.

3. Upon receipt of a request from aircraft for a weather report, the operator on the air-to-ground channel concerned is to transmit immediately the current weather report held in the signal office. After such transmission the signal office is to notify the local Meteorological Section, who will, in the light of weather conditions at the time, decide if it is necessary to send a further report and instruct the signal office accordingly.

4. H.Q. DAF and A.H.Q. Greece are to notify all units concerned and bring the above procedure into force forthwith. ASO. North Italy is required to arrange for the current weather reports to be made available to the HF L/W Station.

18

28 Feb 1946
Air Commodore,
Senior Air Staff Officer,
Air Headquarters, R.A.F. Italy.

Copies For Information.

ASO. South Italy.

RAF Station Brindisi

357 H.Q. Iesi

Air Force Sub Commission A.C. Rome.

293 Bdn

TRANSMISSION OF WEATHER REPORTS (ACTUALS) ON REQUEST
FROM AIRCRAFT.

1. The present system by which an aircraft obtains a weather report on request is too slow, with the result that in many cases the information becomes available to the Captain of the aircraft too late to be of any value.
2. Arrangements will therefore be made by the Chief Meteorological Officer of H.Q. R.A.F. ILLIT. for Meteorological Sections to keep all V/T Stations (including Civil Aeronautic Stations) at which air-to-ground communication channels are maintained, supplied with current weather reports during the period of watchkeeping in suitable form for transmissions to aircraft. At stations where half-hourly "actual" weather reports are broadcast to aircraft, the most recent report will remain current in the signal office after broadcast until the next report is received from the Meteorological Section.
3. Upon receipt of a request from aircraft for a weather report, the operator on the air-to-ground channel concerned is to transmit immediately the current weather report held in the signal office. After such transmission the signal office is to notify the local Meteorological Section, who will, in the light of weather conditions at the time, decide if it is necessary to send a further report and instruct the signal office accordingly.
4. H.Q. RAF and R.A.F. Greece are to notify all units concerned and bring the above procedure into force forthwith. ASG North Italy is required to arrange for the current weather reports to be made available to the W/D Station.

18

Col. J. J. J. J.
Air Commodore,
Senior Air Staff Officer,
Air Headquarters, R.A.F. Italy.

Copies For Information.

- ASG South Italy.
- RAF Station Brindisi
- 557 A.U. Lodi
- Air Force Sub Commission A.C. Rome.
- 293 Sqdn
- 293 Sqdn "C" Det Pias.
- AMC Italy Com Sqdn.

Internal
Senior Met. Officer.
Aircraft Safety Officer
Unit Signals Officer.



From : Air Forces Sub Commission, A.S., Rome. 147

To : Italian Air Ministry,
Communications Directorate. File

Date : 4th March 1946.

Ref : AFSC/AIR/S.513/SIGS.

METEOROLOGICAL BROADCASTS OF M.F. BEACON
TRANSMITTER FROM I.A.F. RADIO BEACON - ELMAS

It is advised that Headquarters, Royal Air Force Mediterranean and Middle East has ruled that for Medium Frequency Beacons operated for the use of the Allies in this theatre the transmissions will not be interrupted during the stipulated periods of operation as radio aids to navigation.

2. It is therefore required that the M.F. Beacon at Elmas shall not be used for weather broadcast transmissions while it is operated as a radio aid for the Allies.

3. The provisions this Sub Commission's letter ref. AFSC/AIR/S.503/SIGS, dated 13th November 1945 are therefore cancelled in respect of the radio beacon at Elmas.

15
17
19
for E.W.F.
E.W. FREEMAN F/M.
Air Vice Marshal
Director
Air Forces Sub Commission.

Sigs S. 5130, Sigs.

13A

From : Air Headquarters, R.A.F. Italy.
(Allied & Foreign Air Liaison Section, Medme Detachment+)

To : Air Forces Sub-Commission, Allied Commission, ROME.

Date : 27th February, 1946.

Ref : MEDME/4214/3/AFALS.

4A?
11/12 refers.

Meteorological Broadcasts on M/F Beacon
from Italian Air Force Radio Beacon at
ELMAS.

R.A.F. Med/ME have ruled that the policy of this Command is that M/F Beacon transmissions should not be interrupted for any other purpose during the stipulated periods of operation as Radio Navigational Aids.

2. It is, therefore, requested that action be taken to ensure that Meteorological messages will not be broadcast on the M/F Beacon at Elmas while this Radio Aid is operated for the use of the Allied Air Forces.



Maxwell Fisher.

(MAXWELL FISHER)
Wing Commander,
for Air Vice-Marshal,
Air Officer Commanding,
AIR HEADQUARTERS, R.A.F. ITALY.

Copy to: Chief Signals Officer, AH Italy.
Senior Meteorological Officer, AH Italy.

16

OUTGOING SIGNAL

From : Air Forces Sub Commission, A.C., Rome.

To : Mediterranean Allied Air Committee Secretariat
(R) A.H.Q. R.A.F. Italy.

UNCLASSIFIED (.) S.255 (.) TOO. 11/1149 A (.) Feb. '46 (.)
WOULD APPRECIATE REPLY MY AFSC/AIR/S.513/SIGS. JAN.23 TO SECOND
ADDRESSEE ONLY (.) MAAC/4214/2/ALS NOV.6 AND SECOND ADDRESSEES
S.84 JAN. REFER (.)

DEFERRED

E.W. Freeman
E.W. FREEMAN F/LT.

167

From : Air Forces Sub Commission, A.C., Rome.
To : Air Headquarters, Royal Air Force, Italy.
Date : 23rd January 1946.
Ref : AFSC/AIR/S.513/SIGS.

TRANSMISSION OF MET BROADCASTS BY
ELMAS RADIO BEACON.

It is desired to refer to your Headquarters' signal S.84, dated 21st January 1946 requesting comments on the projected weather broadcast by the Italian Air Force radio beacon at Elmas.

2. In the first communication on this subject from the Italian Air Ministry, dated 18th October 1945, it was stated that "from experiments effected at Elmas (Cagliari), radio beacon, and from pilots' reports it appears that the broadcast is very useful, not interfering with what has to be done on board, and also avoiding the necessity for the W/Op having to request two or three times for the local bulletin".

3. The beacon signal is transmitted as continuous tone for 55 seconds followed by the call sign for 5 seconds. Concurrent transmission of the meteorological bulletin would be effected by interruption of the beacon transmission for alternate minutes at the hour and half hour for periods not exceeding five minutes in each half hour.

4. The broadcast would be made on the local weather information observed by the Italian Meteorological staff, and transmitted in the International Code i.e. reduced form 13, and by C.W. W/T transmission.

5. The following comments are submitted:-

(i) In reference to para 2, the resumption of Met. broadcasts on the beacon transmitter would be a resumption of pre-war I.A.F. practice. This proved to be satisfactory in the past but is supported by experiments carried out prior to 18th October 1945; experiments of which the R.A.F. at Elmas could hardly fail to be aware if any use was being made of the service given by the beacon by aircraft flying under RAF control. It is remarked that reception of Met broadcast on an alternative frequency necessarily involves loss of contact with the beacon unless a separate receiver can be used, and the time elapsing before another bearing could be obtained would certainly be in excess of one minute.

(ii) In reference to para 3, it is submitted that the navigational assistance given by the beacon transmission is never interrupted for a period of more than one minute and not for more than five minutes in each half hour. The unqualified statement that the facility is not available for ten minutes in each hour is misleading, and the operation of the beacon as proposed is not

1672

Declassified E.O. 12356 Section 3.3/NND No. 785017

broadcast by the Italian Air Force radio beacon at Elmas.

2. In the first communication on this subject from the Italian Air Ministry, dated 18th October 1945, it was stated that "from experiments effected at Elmas (Cagliari), radio beacon, and from pilots' reports it appears that the broadcast is very useful, not interfering with what has to be done on board, and also avoiding the necessity for the W/Op having to request two or three times for the local bulletin".
3. The beacon signal is transmitted as continuous tone for 55 seconds followed by the call sign for 5 seconds. Concurrent transmission of the meteorological bulletin would be effected by interruption of the beacon transmission for alternate minutes at the hour and half hour for periods not exceeding five minutes in each half hour.
4. The broadcast would be made on the local weather information observed by the Italian Meteorological staff, and transmitted in the International Code i.e. reduced form 13, and by C.W. W/T transmission.
5. The following comments are submitted:-
 - (i) In reference to para 2, the resumption of Met. broadcasts on the beacon transmitter would be a resumption of pre-war I.A.F. practice. This proved to be satisfactory in the past but is supported by experiments carried out prior to 18th October 1945; experiments of which the R.A.F. at Elmas could hardly fail to be aware if any use was being made of the service given by the beacon by aircraft flying under RAF control. It is remarked that reception of Met broadcast on an alternative frequency necessarily involves loss of contact with the beacon unless a separate receiver can be used, and the time elapsing before another bearing could be obtained would certainly be in excess of one minute.
 - (ii) In reference to para 3, it is submitted that the navigational assistance given by the beacon transmission is never interrupted for a period of more than one minute and not for more than five minutes in each half hour. The unqualified statement that the facility is not available for ten minutes in each hour is misleading, and the operation of the beacon as proposed is not considered to militate against the usefulness of the service as a navigational aid. In any case alternative navigational assistance is available from two HF D/F and one MF D/F stations.
 - (iii) In reference to para 4, it should be noted that the I.A.F. service broadcasts information from Italian as distinct from RAF observations, although these should not be materially different. It is however the object of the IAF to provide an international service available equally to military and civil aviation of all nationalities, this being part of the long term policy.

The reduced form 13 is well known to Italian pilots, and differs radically from U C O with which they are not familiar.

6. The Italian Air Ministry has given instructions that pending clarification of the present position that Met broadcasts from Elmas will not be made. The view of the Italian Air Ministry is that the service should be resumed as soon as possible, a view which is shared by this Headquarters in the absence of any direct contrary order from a competent authority.

7. Instructions from your Headquarters at an early date would be appreciated.

E. W. Freeman
E.W. FREEMAN F/Lt.
for Air Vice Marshal,
Air Officer Commanding.

OUTGOING SIGNAL

From : AIR FORCES SUB COMMISSION, A.C., ROME
To : A.H.Q., R.A.F. ITALY.

UNCLASSIFIED (.) S.198 (.) TOO. 23/10/17 A JAN.1946
YOUR S.84 JAN.21 (.) RAF ELMAS MET BROADCAST UGO PLAIN WOULD
NOT DIFFER MATERIALLY FROM ITALIAN INFORMATION ON LOCAL
WEATHER (.) CODE IS COMPLETELY DIFFERENT AS AIF USE INTERNATIONAL
CODE REDUCED FORM 13 (.) DO NOT CONSIDER OBJECTION BY 216 GROUP
VALID (.) MET INFORMATION BROADCAST ALTERNATE (R) ALTERNATE
MINUTES FIRST FIVE MINUTES EACH HALF HOUR BEACON SERVICE NEVER
DISCONTINUED FOR MORE THAN ONE MINUTE AT ANY TIME ALTHOUGH IN
TOTAL TEN MINUTES IN THE HOUR (.) TRANSMISSION MET BROADCASTS
SUSPENDED (.) LETTER FOLLOWS =

ROUTINE

E.W.F.
E.W. FREEMAN F/LT.

12

T267/21 ~~LEUP~~ ~~V~~ ~~LDL~~ NR217 ROUTINE

QVR

FROM AHQ RAF ITALY 211735.-

TO AIR FORCE SUB COMMISSION A C ROME

GR-- BT

S84 21 JAN UNCLASSIFIED. REFERS PROJECTED

BROADCAST WEATHER TRANSMISSIONS FROM ALMAN BEACON

APPEARS PRIVIOUS ASBENT GIVEN BY THIS HQ WITHOUT

CONSULTATION 216 GROUP. LATTER STATE OBJECTION TO

XXXXTH

WEAT8ER TRANSMISSIONS IS THAT BEACON IN OPERATIVE

AS VXXX NAVIGATIONAL AID FOR TEN MINUTES EACH HOUR
AND THAT LOCAL WEATHER BROADCASTS U C O PLAIN
ARE AVAILABLE FROM ELMAS ON 4/00 KC/S EACH HALF HOUR.

IN VIEW IMPOSSIBILITY SITING AND INSTALLING RADIO RANGE ELMAS
CONSIDER SONTINUOUS OPERATION BEACON ESSENTAIL. REQUEST COMMENTS
AND THAT BROADCAST OF WEATHER BY BEACON BE HELD

XRM

PENDING FURTHER EXAMINATION

BT 211835A

SENT JAB AR TKS

XXXX RD NR217 AT 2030 AFS

Sigs file 513/58/21

1 Gold per 513/58/21



File *513/sip* *8A*
From : Air Forces Sub Commission, A.C., Rome.

To : A.H.Q. Italy
(attn: C.S.O.) *26/12*

Date : 27th December 1945

Ref : AFSC/S503/SIGS.

TRANSMISSION OF MET BULLETINS
BY RADIO BEACONS-

Reference your signal S843 20/12, herewith copy of para 2. of letter AFSC/S503/SIGS dated 10th December 1945.

2. "The Broadcasts will be made in reduced form 13 at alternative minutes for five minutes in each half hour, commencing at H plus 00 and H Plus 30".

3. The Broadcast is made by W/T.

10

J.L. O'Hare
J.L. O'HARE F/LT.
for Air Vice Marshal,
Air Officer Commanding.

LXB V LGJP NR24/20 ROUTINE

T ADD

FROM AHQ ITALY 201150A

TO ALLIED SUB COMMISSION ALLIED COMMISSION ROME

BT

(S843 20 DEC UNCLASSIFIED . UNDERSTOOD THAT MET BROADCASTS HAVE BEEN

COMMENCED FROM ELMAS BRNDISI PALERMO AND ~~VEICE XXXXX~~ VENICE RADIO

BEACONS . REQUEST DETAILS OF TYPE OF BROADCAST WHETHER R/T OR W/T

DURATION AND COMMENCING TIMES

BT

EF AR K

RECD FOR THREE MSG 201700 WF AR TKU K



From : Air Forces Sub Commission, Rome
To : M.A.A.C. Secretariat,
A.H.Q. Italy.
Date : 10th December 1945
Ref : AFSC/5503/Sigs.

TRANSMISSION OF METEOROLOGICAL
BULLETINS BY RADIO BEACONS

With reference to your letter MAAC/4214/2/ALS, dated 6th November 1945, information has ~~just~~ been received that the Broadcast of Meteorological bulletins commenced from Elmas, Brindisi, Palermo and Venice Radio Beacons on the 1st Dec. 1945.

2. The Broadcasts are being made in reduced form 13 at alternative minutes for five minutes in each half hour, commencing at H plus 00 and H plus 30.

J.C. O'HARE, F/Lt,
Air Vice-Marshal,
Air Officer Commanding.

08

From : Radio Section,
Directorate Communications,
Italian Air Ministry.

To : A.F.S.C.
(copy to Stato Maggiore, R.A.)

Date : 23rd. November, 1945.

Ref. : 41021/TEL

4 - I - 7

HALF-HOURLY BROADCASTS OF MET. INFORMATION FROM RADIO BEACONS.

With reference to your letter, AFSC/S503/SIGS, of 13th. Nov., we inform you that it has been arranged, w.e.f. 1st. December, 1945, to start a service for the transmission of meteorological reports by navigational radio beacons. The following beacons will carry out the service :-
Brindisi, Elmas, Palermo and Venice.

The service will be carried out exactly as requested in your letter (referred to above) - i.e. : broadcast of local meteorological report in reduced form I3 at alternate minutes for a total of five minutes in each half-hour, commencing at h plus 00 and h plus 30.

Lt.Col. A. DE VINCENTI,
Director of Communications.

07





Ministero dell'Aeronautica
MINISTERO dell'AERONAUTICA
DIREZIONE COMUNICAZIONI

SEZIONE RADIO
U.S. Organizz. ed Esercizio

Prot. N. 21108/10.11.45

513/45
Roma 23 Novembre 1945

AIR FORCES SUB COMMISSION
A.C. ROMA

e, per conoscenza:

ALLO STATO MAGGIORE R.A.

SEDE

OGGETTO : Emissione bollettini meteorologici a mezzo dei
radiofari di navigazione -

Con riferimento al foglio AFSC/S503/SAGS, del
13 novembre 1945, si comunica che è stato disposto,
a partire dal 1° dicembre 1945, il ripristino del ser-
vizio lancio bollettini meteorologici da parte dei ra-
diofari di navigazione.- Effettueranno detto servizio
i seguenti radiofari: Brindisi, Elmas, Palermo e Vene-
zia.-

E' stato disposto che il servizio in parola sarà
svolto con le modalità precisate da codesto A.F.S.C.
col foglio di cui sopra, e cioè: emissione del bolletti-
no meteorologico locale, "ridot" forma 13", un minuto sì
ed un minuto no per un totale di cinque minuti in ciascu-
na mezz'ora a partire dalle ore h+00 ed h+30.-



IL DIRETTORE DELLE COMUNICAZIONI
(Ten. Col. Pil. - A. DE VINCENZI)

[Handwritten signature]

From : Air Forces Sub Commission
Allied Commission
R O M E

To : Ministero dell'Aeronautica
Direzione Comunicazioni
Sezione Radio

Date : 13th November 1945

Ref : AFSC/S543/SIGS.

TRANSMISSION OF METEOROLOGICAL BULLETINS BY
RADIO BEACON ELNAS.

With reference to your letter 40883/tel/5717 Coll.
4-1-7

dated 18th October it is advised that concurrence is given by the Mediterranean Allied Air Committee Secretariat for meteorological bulletins to be broadcast by the ELNAS radio beacon during each alternate minute and for a total period of five minutes in each half hour.

2. It is requested that confirmation may be given that reversion to this system re-commenced on 1st November as stated in your letter, and if not, the precise date that meteorological data will commence to be broadcast by the beacon in order that all concerned may be notified.

A. JENNINGS S/Ldr.
Air Vice marshal,
Air Officer Commanding.

05

(3A)

From :- Mediterranean Allied Air Committee Secretariat,
Air Headquarters, R.A.F., Italy.

To :- Air Forces Sub-Commission,
Allied Commission, Rome.

Date :- 6th November, 1945.

Ref :- MAAC/4214/2/ALS.

Please refer to your AFSC/S503/SIGS dated 26th
October, 1945.

2. The proposal to revert to the procedure of
transmitting Meteorological Broadcasts is agreed.

3. It is requested that you will forward to this
Secretariat any instructions issued by you on this matter.

Maxwell Fisher.

(MAXWELL FISHER)
Wing Commander,
Secretary to The,
Mediterranean Allied Air Committee.

04



From : Air Forces Sub Commission,
H.Q. Allied Commission, Rome, C.M.F.
To : Secretary
Mediterranean Allied Air Committee
Caserta. C.M.F.
Date : 26th October 1945
Ref : AFSC/S503/SIGS.

W/T METEOROLOGICAL BROADCASTS FROM
ITALIAN AIR FORCE STATION, ELMAS

The Italian Air Force operate a radio beacon at Elmas, Sardinia on a frequency of 455 Kcs with a power of 800 watts, affording navigational assistance to aircraft in flight.

2. It is suggested by the Directorate of Communications Italian Air Ministry that, concurrently with the emission of the beacon signal, which transmits fifty five seconds of continuous tone and five seconds radiation of its call sign every minute, local weather conditions should be broadcast.

3. This would be carried out in each alternate minute period for a total of five minutes in each half hour.

4. This arrangement is a normal peace time procedure adopted by the Italian Air Force, and of considerable advantage to aircraft, which are able to remain tuned to the radio beacon whilst receiving local weather information.

5. The proposal to revert to the procedure as outlined is submitted for approval, and necessary authority.

A. JENNINGS S/Ldr,
Air Vice-Marshal,
Air Officer Commanding.

FROM: MINISTERO AERONAUTICA

TO: A.F.S.C. A.C.

DATE 18 October 1945

Ref: 40883/tel - 5717 coll
4-1-7

Object: Meteo bulletins transmitted by radio beacon

It is the desire of the "COMMUNICATIONS DIRECTION" to re-install the meteorological bulletin emission by means of the radio beacon navigation, service already in use in peace time. This service consisted of half-hourly emissions from the radio beacon of the local meteo bulletin and not lasting more than 5 minutes.

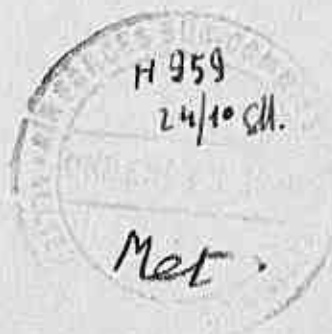
From experiments effectuated by the ELMAS (Cagliari) radio beacon and from pilots reports it results that P/L was very utile, not interfering with what has to be done on board and also to avoid the W/OP of the A/C to ask while on duty once or three times the local bulletin.

It is the director's intention to have that service operational from ELMAS by the 1st of Nov 45 and he kindly request the A.F.S.C. to inform all Allied Air Force Units interested.

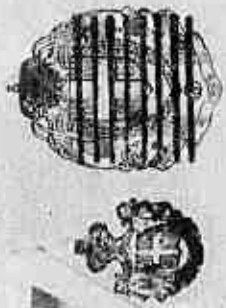
Suggestions from A.F.S.C. will be taken into consideration, and so eliminate any inconveniencies which could eventually arise in relation to this service

62

IL DIRETTORE DELLE COMUNICAZIONI
(Ten.Col.Pil. A. DE VINCENTI)



Translated by Sgt Martore



Ministero dell'Aeronautica
DIREZIONE COMUNICAZIONI

SEZIONE RADIO

Ug. Organizz. ed. Esercizio

Direzione

Prot. N. 40883/68

4-1-7

Allegato 377 b. d. l.

Roma, 1945

A. F. S. C.

R O M A

C.P.C. ALLO STATO MAGGIORE DELLA R.A.

S E D E

Risposta al. Teleg. del

Gen. 24/2

OGGETTO: Emissione bollettini meteo da parte dei Radiofari.

E' desiderio di questa Direzione Comunicazioni di voler ripristinare il servizio lancio bollettini meteorologici a mezzo di radiofari di navigazione, servizio che veniva effettuato già in tempo di pace.

Detto servizio consisteva nell'emissione da parte del radiofaro del bollettino meteo locale alla distanza di ~~1000~~ 1' uno, dall'altro e della durata non superiore a ~~10 minuti~~ 5 minuti.

Da esperimenti fatti effettuare dal radiofaro di Elmas (Cagliari) è stato riferito, dai piloti in servizio di linea, che il servizio in parola risulta molto utile, non intralcia i rilevamenti che si effettuano da bordo ed evita all'operatore R.T. del velivolo di dover richiedere sul servizio 1 oppure 3 il bollettino locale.

E' intendimento dello scrivente fare iniziare a Elmas il servizio in questione a partire dal 1° Novembre p.v. e pertanto si prega codesta A.F.S.C. voler informare gli Enti Aeronautici Alleati interessati.

Si prenderanno in considerazione i suggerimenti, di codesta A.F.S.C., atti ad eliminare gli inconvenienti che potrebbero eventualmente affiorare in relazione al predetto servizio.

e.p.c. ALLO STATO MAGGIORE DELLA R.A.

SEZIONE RADIO

Ug. Organizz. ed. Esercizio

S E D E

Risposta al foglio del

Dir. Sc.

OGGETTO: Emisore bollettini meteo da parte dei Radiofari.-

E' desiderio di questa Direzione Comunicazioni di voler ripristinare il servizio lancio bollettini meteorologici a mezzo di radiofari di navigazione, servizio che veniva effettuato già in tempo di pace.-

Detto servizio consisteva nell'emissione da parte del radiofaro del bollettino meteo locale alla distanza di ~~1000~~ l'uno, dall'altro e della durata non superiore a ~~5~~ minuti.

Da esperimenti fatti effettuare dal radiofaro di Elmas (Cagliari) è stato riferito, dai piloti in servizio di linea, che il servizio in parola risulta molto utile, non intralcia i rilevamenti che si effettuano da bordo ed evita all'operatore R.T. del velivolo di dover richiedere sul servizio 1 oppure 3 il bollettino locale.-

E' intendimento dello scrivente fare iniziare a Elmas il servizio in questione a partire dal 1° Novembre p.v. e pertanto si prega codesta A.F.S.C. voler informare gli Enti Aeronautici Alleati interessati.-

Si prenderanno in considerazione i suggerimenti, di codesta A.F.S.C., atti ad eliminare gli inconvenienti che potrebbero eventualmente affiorare in relazione al predetto servizio.-

IL DIRETTORE DELLE COMUNICAZIONI

(Ten.Col.Fil. A. DE VINCENTI)

Licenziat.

1687

