

Declassified E.O. 12356 Section 3.3/MND No.

785017

ACC

10000/135/241

Declassified E.O. 12356 Section 3.3/MND No.

785017

10000/135/241

RADIO NAVIGATIONAL AIDS
JAN. - DEC. 1946

M. 1A.P.D.

Ref. Col. 6A, we are not in the picture as to the operational commitment.

(i) I understand that a Met. station is being established, which will report into Catania C.A.V. by telephone.

(ii) One air/ground facility will be available - an M.F. beacon - operating frequency unknown.

(iii) Point to point W/T could be operated non continuously on the internal Zone IAF frequency.

2. There is as far as I know, no clear Air Staff directive, as to what the ~~station~~ function of the station is, and with what stations communication should be maintained (if any). Further, it is not known whether an air/ground W/T guard should be operated at all, on request, or continuously, or on an I.A.F. or Allied frequency.

3. Perhaps A.T.C. can give us some guidance on the above, or alternatively it may be turned back to us to work out with Italian Air Ministry.

263

29th March 1946

- E.W. Freeman R/L
C.S.O.

2

650/658

Ref 6A I gave the info requested to Col Adzauer. Neither he or I can give you the required technical info. Suggest you get together with De Decante on that part of it. So far as a Air Staff Directive is concerned this whole thing as I understand it is purely between A.T.C. & the Italians. We are merely the middlemen.

30 March

R.S.W.
A.P.D.

TO: LRGF 7 3000 IR T 320/23 FAR DNR
 FROM: AHC ITALY
 TO: AHC FORCES G22 COMMISSION A.O. 7032

BT
 S.411 25TH JAN UNCLASSIFIED (.) FOR YOUR S201
 DATED JAN 22 (.) APPROVAL FOR TELEPHONE EXTENSION TO
 P.O.X. CAMPO FORMING GIVEN (.) ACTION HAS BEEN TAKEN FOR LINE
 BE INSTALLED IMMEDIATELY.

BT 201145Z
 CR. S.411 25TH S201 22
 SENT NR T 320/23 IR T 1
 RD AT 1435 JA K K 21 K

46A H/9377
 Out 2000

45A

6231

262

A-144

530/5105

415A

AIR FORCES SUB COMMISSION, A.C. ROME. 320910 A.
 { MEDITERRANEAN ALLIED AIR COMMITTEE A.P.N.Q. CASERTA
 A.P.Q. ITALY.

HQ. MAF/MS

ITALIAN AIR MINISTRY

6120

UNCLASSIFIED

SUGAR TWO ZERO ONE JANUARY TWO TWO-7D REQUEST AUTHORITY ITALIAN
 AIR FORCE ENROT W/S D/S STATION THREE THREE THREE THREE K C/S THREE MILES
 FROM CAMPO FORMIDO ED ESSENTIAL NAVIGATIONAL AID FOR COURIER SERVICE
 AIR SEA RESCUE ETC TO AIR REQUESTED APPROVE TELEPHONE LINK WITH
 P.B.X. CAMPO FORMIDO FOR EATION WITH VENTOR FOR FIXES ED URGENT ED

261

AFSS/AFR/S. 530/SIGS. ← file

IMPORTANT

CHIEF SIGNALS OFFICER

file *114A*

From : Air ()ces Sub Commission, A.C. ()ome.
To : Italian Air Ministry
Telecommunications Directorate.
Date : 2nd December 1946.
Ref. : AFSC/AIR/2.530/3123.

MOBILE RADIO BEACON APPARATUS

Reference is made to your letter 29421/3734 GOLL
dated 11th November 1946.

2. The possibility of issuing the I.A.P. with mobile
radio beacon apparatus mod. AN/CN-4 has been investigated.
3. It is regretted that no equipment of this type
is available for issue to the I.A.P.-

for

Awkay sk
A.C. ()AV, 3/12v
Air Vice Marshall,
Director,
Air Forces Sub Commission.-

43A
(E)

From : AIR MINISTRY
Cabinet of the Minister
Secretariat Office.

To : A.F.S.C. A.C. ROME

Date : 11th November 1946

Ref. : 28421/3734 Coll.

Subject: ISSUE OF MOBILE RADIO BEACON APPARATUS
MODEL AN/CEN-4.

It is requested that possibilities of issuing the
I.A.F. with two mobile radio beacon apparatus mod. AN/CEN-4
for ground controlled aircraft landings, be examined-

In order to enable personnel (pilots and operators)
to be trained in the use of these apparatus.

Awaiting the favour of a reply.

By order
CHIEF OF CABINET

Translated by Sgt. P. KVAN

11/11/46
259
S530
15100

MINISTERO DELL'AERONAUTICA
GABINETTO DEL MINISTRO

Roma,

11 NOV. 1946

Segreteria

ALL'AIR FORCES SUB COMMISSION - A.C.

Prot. N.

(tramite Ufficio Collegamento)

3734 Coll.

= ROMA =

OGGETTO: Cessione apparecchi autotrasportati tipo
AN/CPN-4 per atterraggio guidato da terra.-

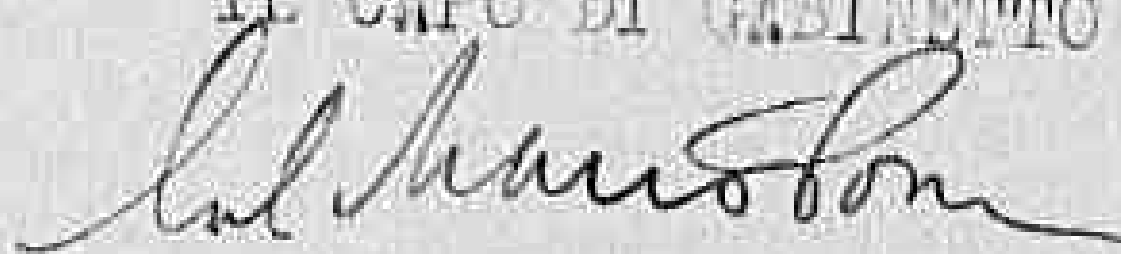
Si prega di esaminare la possibilità di cedere
all'Aeronautica Militare Italiana n° 2 apparecchi
autotrasportati AN/CPN-4 per l'atterraggio, guidato
da terra, degli aerei.-

2. Quanto sopra permetterebbe di far prendere cono-
scenza e di addestrare il personale (piloti ed opera-
tori a terra) all'uso di tali nuovi strumenti.-

3. Si resta in attesa di cortesi comunicazioni in
merito.-

d'ordine

IL CAPO DI GABINETTO



258

file 42A

From : Air Forces Sub Commission, A.C., Rome.
To : Air Headquarters R.A.F. Italy.
Date : 2th November 1946.
Ref. : AFSC/AIR/3530/SIG3.

RADIO NAVIGATIONAL AIDS. 37A

Reference is made to your AIR/34308/2/SIG3 dated 7th October 1946.

2. Following are details of the Bolzano Radio Beacon which will commence to operate on the 1st November 1946.

Frequency	300 K c/s
Power	50 Watts
Call Sign	B..
Position	46°29'37" N. 11°20'09" E.

1. Please inform F. HQ/AF in order that FWD/AF Signals instructions may be issued accordingly.

A. W. RAY
for A. W. RAY S/Ldr
Air Vice Marshal,
Director,
Air Forces Sub Commission.

257

From : ITALIAN AIR MINISTRY
Telecommunications and Aircraft Safety
Directorate. Rome

To : A.F.S.C. A.C. ROME

Date : 30th October 1946

Ref. : 415711/3 - 6/3635 Coll.

Subject: BOLZANO RADIO-BEACON.

Reference your letter AFSC/AIR/S.53C/SIGS dated 14th October 1946 we would like to inform you that the Bolzano Radio-Beacon will begin to operate as from the 1st November 1946, with the following characteristics:-

Frequency	320 Kc/s
Power	80 Watt.
Call Signal	BZ

(Col. D. LIBRI)

Translated by Sgt. CUMBO



256



MINISTERO DELL'AERONAUTICA

*Ufficio Centrale delle Telecomunicazioni
e dell'Assistenza del Volo*

Divisione Radio/Sec. Roma. 30011. 1946
 Ord. N° 415711/3-6 *Reg. 3635 Coll. M*
 Risposta al f. del
 Div. Sec. N°
 L'AFSC/AG TRAMITE UFFICIO
 COLLEGAMENTO
 OGGETTO: Radiofaro di Bolzano. — S S D E —

In riferimento al foglio AFSC/AIR/9530/SIGS
 in data 14 ottobre c.a. si comunica che dal 1° No-
 vembre c.a. entrerà in funzione il radiofaro di Bol-
 zano con le seguenti caratteristiche:

Frequenza - 320 Kc/s
 Potenza - 80 Watt
 Segnale di chiamata - BZ

p. L'ISPETTORE
 (Col. A.A.r. = D. LIBRI)

Translation

SM:sm

COMANDO 1st Z.A.T.
Direzione Telecomunicazioni

Milan, 10 October 1946

Prot. 4C/14628 R/I/0962/COLL/5

TO: ALLIED COMMISSION
Air Forces Sub-Commission

MILAN

Subject : Short-wave "Marconi" Radiogoniometer installed at
Mezzate.

As you are aware, the Linate Airport was taken over by this Management on being evacuated by the Allied personnel. A short-wave radiogoniometer installed by the Allies was also taken.

The receiver of the said Radiogoniometer, being out of order, was changed last March and the new receiver was installed and compensated by trained Allied personnel.

The Radiogoniometer, however, has never since operated satisfactorily. Trained English workers were requested to repair it, but failed to obtain satisfactory results.

As the Radiogoniometer in question is of utmost importance to the Assistant Centre and to Air Navigation it must be replaced with another instrument in perfect order.

W/c Dad informed
at base. 22/10/46

THE DIRECTOR
sign/ NARICI BOERO.

254



Milano, 11

70011. 1946

COMANDO 1° Z. A. T.
DIREZIONE TELECOMUNICAZIONIALLA SOTTOCOMMISSIONE ALLEATA PER
L'AERONAUTICA MILITARE(tramite Uff. Collegamento) M I L A N O

Prot. 4 C

14628 R/I / 0962 / coll / 5

OGGETTO: Rdg. Onde Corte "Marconi" installato in località Mezzate.

Come noto con l'allontanamento del personale Alleato dall'Aeroporto di Linate questa Direzione prese in carico anche il radiogoniometro Adcock ad O.C. installato dagli Alleati stessi a Mezzate.

Il ricevitore di tale Radiogoniometro, inefficiente, fu nel marzo u.s. cambiato con un altro che a suo tempo fu messo a punto da personale specializzato Alleato il quale provvide anche alla compensazione.

Ciò nonostante tale Rdg. non si è mai dimostrato in grado di assicurare rilevamenti per cui sono stati nuovamente richiesti specialisti Inglesi che però non sono riusciti nell'intento.

Poichè il radiogoniometro in argomento è della massima importanza per le necessità del Centro Soccorso e per l'Assistenza alla Navigazione Aerea è ²⁵³ necessario provvedere alla sua sostituzione con altro complesso perfettamente efficiente.

IL DIRETTORE

(Ten.Col.Pilota NARICI Boero)

Narici Boero

39A

file

From : Air Forces Sub-Commission, A.C., Rome.
To : I.A.M. (Directorate of Telecommunications).
Date : 11th October 1946.
Ref. : AFSC/ATR/8550/2263.

RADIO BEACON - BOLZANO

Reference is made to your 410 6/1-6/2799 COML dated 6th August 1946.

2. Authority is given for the installation of a radio beacon at Bolzano airport.

- (a) Frequency - 120 K C/3
- (b) Power - 80 Watts.
- (c) Call-sign - to be allotted by I.A.M.

for

Curran

A.W. RAY S/Ldr.
Air Vice Marshall
Director,
Air Forces Sub-Commission.

38A

file

From : Air Forces Sub-Commission, A.C., Rome.
To : A.H.Q. R.A.F. Italy.
Date : 14th October 1946.
Ref. : AFSC/AIR/S510/SIGU

RADIO BEACON - GIOIA DEL COLLE

The following details of the Radio Beacon at Gioia del Colle are forwarded - please inform all concerned.

- (a) Position (40° 47' 00" N
(16° 56' 00" E
- (b) Frequency - 312 K C/S.
- (c) Power - 80 watts.
- (d) Call-sign - G.C.
- (e) Date of commencement of operation - 4.10.46.-

Awhaysh

for A.F. RAY S/Ldr.
Air Vice Marshall,
Director,
Air Forces Sub-Commission.

251

From:- Air Headquarters, R.A.F. Italy.

To:- Air Force Sub Commission Allied Commission. Rome.

Date:- 7th October 1946.

Ref:- AHQI/S4308/2/Sigs.

Italian Air Force - Signals Organisation.

With reference to your letter AFSC/Air/S506/Sigs dated 8th August to M.A.A.C. Secretariat requesting authority for installation of a Radio Beacon at Balzano airport.

2. Authority has been received for H.Q. Medme for this installation.
3. Frequency 320 kc's is clear for working of 80 watts.
4. Italian call signs are to be used.
5. Request you inform this Headquarters when this installation commences to operate.

10/10
P. 8598
up
S. 530/Sigs

Locher
Air Vice Marshal,
Air Officer Commanding,
Air Headquarters, R.A.F. Italy.

From: - Mediterranean Allied Air Committee Secretariat. *116A*

To: - Air Forces Sub-Commission, Allied Commission, Rome. *36A*

Date: - 3rd September, 1946.

Ref: - MAC/4211/3/AFMLS.

RADIO BEACON - BOZANG.

Reference is made to your letter AFSC/AIR/3506/SECS.
dated 8th August, 1946, paragraph 5. *90A*

2. The letters referred to are being hastened and
information will be forwarded as soon as it is available.

S. J. B. Hamilton
(S. J. B. HAMILTON)

Wing Commander,
Secretary to the,

MEDITERRANEAN ALLIED AIR COMMITTEE.

Wm.
7263 6/9

506/58

1
1
FROM : AIR FORCES SUB-COMMISSION, A.C. ROME
TO : M.A.A.C. SECRETARIAT
DATE : 8TH AUGUST 1946
REF : AFSC/AIR/⁵⁵⁰⁶~~5500~~/SIGS

RADIO BEACON - BOLZANO

It is requested that authority be given for the installation of a Radio Beacon at Bolzano airport.

2. The installation is required for the assistance of the three times a week air line Milan-Bolzano.
3. Suggested frequency 520 kc/s, power 80 watts.
4. Should authority be given it is requested that you allot a call sign.
5. It is requested that replies be forwarded to my letters of even reference dated 9th July, 11th July and 12th July, 1946.

Awkay sk
A.E. RAY, S/LDR.
FOR AIR VICE-MARSHAL
DIRECTOR A.F.S.C.

248

U R G E N T

FROM : I.A.F. MINISTRY (RADIO SECTION)
TO : AIR FORCES SUB COMMISSION, ALLIED COMMISSION ROME
DATE : 6TH AUGUST 1946
REF : 414046/1-6/2799 Coll

RADIO BEAM BOLZANO AIRPORT

We kindly ask the A.F.S.C. to assigne a call signal for the nearing radio beam to be installed at the Bolzano airport.

The installation his required for the assistance of the three times a week air line Milan-Bolzano and could function on a frequency of 320 Kc/s with a small power of (80 Watt)

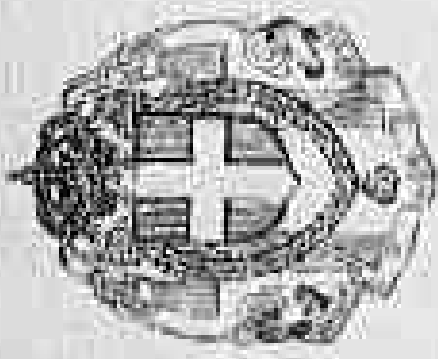
FOR THE INSPECTOR
(Col. A.A.r.n. D. LIBRI)

Translated by Spt. M. Albertini.

247



URGENTE



Ministero dell'Aeronautica

COMITATO SUPERIORE AERONAUTICA

SEZIONE RADIO

Uff. Organism. ed Esercizio

Prot. N. 414046/1.6.8.1948

OGGETTO: Radiofaro avvicinamento Aeroporto Bolzano.

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

785017

Al L'A.F.S.C./SC TRAMITE
UFFICIO COLLEGAMENTO

= S E D E =

Proposta al f. 21.0 del

Si prega codesto AFSC/SC voler assegnare un nominativo R.F. per il radiofaro di avvicinamento da installarsi sull'Aeroporto di Bolzano.

Tale impianto viene richiesto per l'assistenza alla linea aerea trisettimanale Milano - Bolzano e potrebbe funzionare sulla frequenza di 320 Kc/s con piccola potenza (80 Watt)



p. L'ISPETTORE t.a.
(Col. A.A.M.G. - D. LEBRI)

246

L. 1915
511233A
(L)

FROM: AIR MINISTRY - RADIOELECTRIC DIVISION 1ST SECTION
TO: A.F.S.C. THROUGH LIAISON OFFICE
DATE: OCTOBER 2ND 1946
REF: 415459/8-4/3410 COLL.

RADIO BEACON GIOIA DEL COLIE

32A

With reference to your letter AFSC/AIR/S530/SIGS dated September 23rd 1946, the following data are communicated as regards the said radio beacons:

- Power of Radio Beacon - 80 Watt.
- Italian civil denomination - G.C.-.
- Initial service date - 4/10/46.

amb

FOR THE INSPECTOR

COL. A.A.r.s. D. LIBRI.

245



Mod. 146 E

33A

Roma, 22 OTT. 1946

Al Sig. P. S. S. / A. G.

Tramite uff. Coll.

P. C. M. A.

MINISTERO DELL'AERONAUTICA

SEZIONE DELLE COMUNICAZIONI

DEI LABORATORI E MATERIALI

Divisione Radioelettrica - Sez. 1^a

Divisione

Prot. 12415459/8 - Delegato Avv. Coll.

Risposta al foglio del

Gen. Sig.

OGGETTO: Radiofaro Gioia del Colle. -

In riferimento al foglio ARSO/AIR/3530/8143 in
data 23/5/46 si comunicano i seguenti dati riflettenti il
radiofaro in oggetto:

- Potenza del Radiofaro-80 Watt;
- Nominativo Italiano civile- G C -;
- Data inizio servizio - 4/10/46.-

per L'ISPEZIONE t.a.

(Col. A. S. D. IMPER)

ISTITUTO POLIGRAFICO DELLO STATO

244

C O P Y

32A

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

To : Italian Air Ministry
Directorate of Telecommunications.

Date : 23rd September, 1946.

Ref : AFSC/AIR/S530/SIGS.

RADIO NAVAGATIONAL AIDS - GIOIA DEL COLLE.

Authority is given for the I.A.M. to install a Radio Beacon at Gioia del Colle position 40°47'00" N 16°56'00" E.

2. (a) Frequency to be used - 312 Kc/s.
(b) An Italian Civil Call sign to be used.

3. It is requested that the power of this beacon and the date of coming into operation be notified to this A.F.S.C. as soon as possible.

A.W. RAY S/LDR.
for AIR VICE MARSHAL,
DIRECTOR,
AIR FORCES SUB COMMISSION.

243

31A

From:- Mediterranean Allied Air Committee Secretariat.
 To :- Air Forces Sub-Commission, Allied Commission, Rome.
 Date:- 19th September, 1946.
 Ref :- MASO/AR11/5/AMIS.

RADIO NAVIGATIONAL AIDS - CICLA DEL COLLE

Reference is made to your letter MASO/AR/3530/SIGS
 dated 5th July, 1946:

2. Authority is granted for the Italian Air Ministry to install a radio beacon at the above named airfield, this beacon being allotted a frequency of 312 K.C's. An Italian Civil Call sign is to be used.

3. It is requested that the power of this beacon, and the date of coming into operation be notified to this Secretariat as soon as possible.

for *Wahmby ch.*
 S.J.D. HAMILTON
 Wing Commander
 Secretary to the
MEDITERRANEAN ALLIED AIR COMMISSION

Copies to : C.S.O., A.M.C. Advanced.
 (For MASO/AR/3530/SIGS SEPT 1946 return)

242



From : Air Force Sub Commission, A.C., R.A. *file*

To : Italian Air Ministry
Directorate of Telecommunications.

Date : 17th September 1946.

Ref : A780/AIR/8530/SIGS

RADIO NAVIGATIONAL AIDS - PALERMO RADIO BEACON

Reference is made to your 415213/4-5/3173 COL dated 9th Sept. 1946.

2. The Radio Beacon at Palermo is an essential Navigational Aid and it is requested that the beacon continue to transmit throughout 24 hours.

A. W. Ray

for A. W. RAY - 3/ldr.
Air Vice Marshal,
Director,
Air Forces Sub Commission.

file

FROM :- ITALIAN AIR MINISTRY
TO :- LIAISON OFFICE, A.F.S.C., A.C. ROME.
DATE :- 9th SEPTEMBER, 1946.
REF. :- 415233/4-5/3173 Coll.

PALERMO RADIO-BEACON.

^{L.}
We beg/ask you whether it would be possible to use the Radio-Beacon of Palermo only during daylight hours, that is from dawn to dusk, and not throughout the whole day so as not to use a great strain on the installations.

THE INSPECTOR OF TELECOMMUNICATIONS
(Lt. Col. Pilot A. DE VINCENTI)

Translated by Sgt. A.G.W.

240



28A
(+)

From : Ministero Aeronautica ROME
To : Air Forces Sub Commission, Allied Commission ROME
Date : 12th August 1946
Ref : 415005/1-1/2886 Coll

A/F RADIOGONIOMETER ADCOCK TYPE OF LINATE

We inform you that on the 7th of this month the A/F Radiogoniometer of Linate as started normal service for the assistance of a/c.

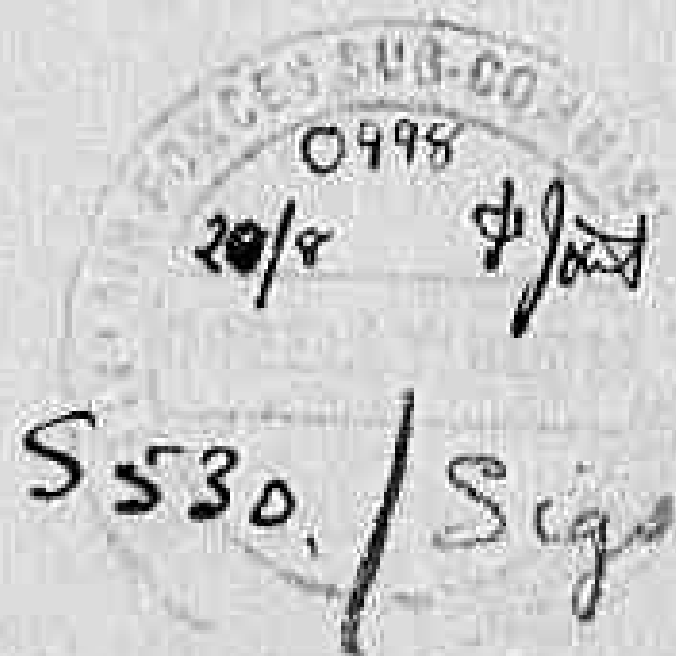
The above mentioned will carry out listening on the frequency of the service No° 3 (4781 Kc/s) and when, requested by the Rescue Service, on the same frequency..

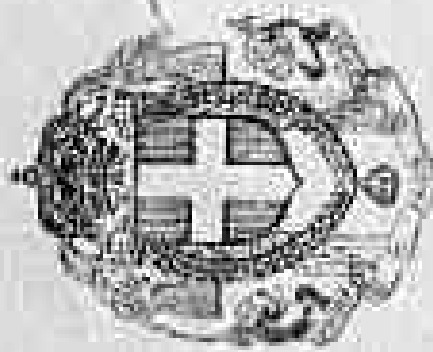
The times of the service are the ones laid down for service 3 (U.T.2. Edition 1956)

- Call Signal ILY
- Latitude 45° 26' 33" N.
- Longitude 9° 18' 04" E.

THE INSPECTOR t.a.
(Col. A.A.R.N. D. LIBRI)

Translated by M. Albertini

237
238



Mod. 1284

28A
12 AGO 1946 19 A

ALL'AFSC/30 - Tramite Uff. Goll.

ALLO STATO MAGGIORE A.M.

AL COMANDO UNITA' AEREA

ALLA CENTRALE SOCCORSO

COMITATO SUPERIORE AERONAUTICA

Uff. Organizz. ed Esercizio

ROMA

SEDE

BARI

CAGLIARI

MILANO

VENEZIA

BRINDISI

CATANIA

CAGLIARI

OGGETTO : Radiogoniometro A/E/ tipo Adcock di Linate.

ALLA SEZIONE COMUNICAZIONE	I° Z.A.T.
ALLA	2° "
"	3° "
"	4° "
"	Aer. Sicilia
"	" Sardegna

MILANO
PADOVA
ROMA
BARI
PALERMO
Cagliari

Si comunica che in data 7 c.m. è entrato in funzione per normale servizio di assistenza velivoli il Rdg. ed A/T di Linate.

Tale apparato effettuerà ascolto sulla frequenza del servizio 3 (4781 Kc/s) ed a richiesta, da parte del servizio soccorso, sulla frequenza di tale servizio.

L'orario è quello stabilito per il servizio 3 (U.T.2 Edizione 1946).

- Nominativo ILY
- Latitudine 45°26'33" N.
- Longitudine 5°18'04" E.

2378

P. L'ISPETTORE t.a.

(Col. A.A.F.S. = D. LIBRI)

Il primo livello per ogni livello un solo agente e indicante nella propria
il N. di livello in funzione a cui si riferisce

ISTITUTO POLIGRAFICO DELLO STATO

27A

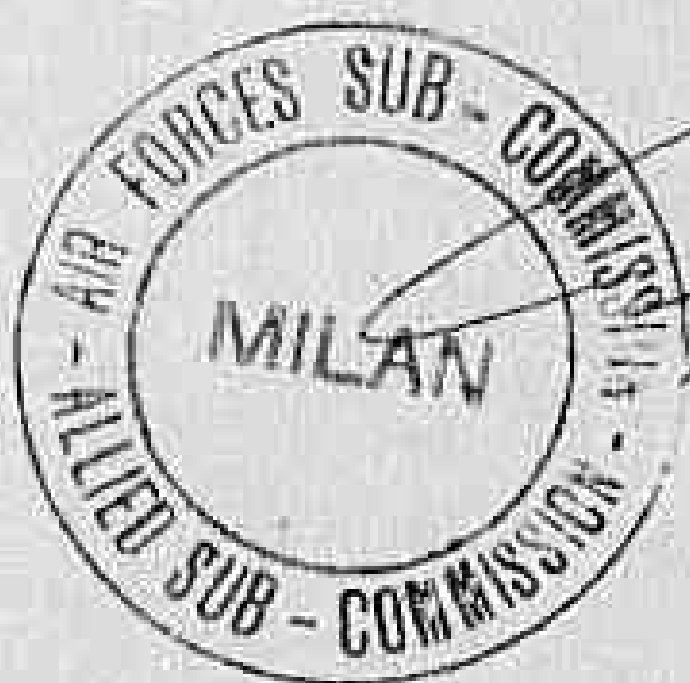
FROM : Air Forces Sub-Commission, Milan
TO : Air Forces Sub-Commission, He. A.C. Rome
DATE : 8 August 1946
REF. : AFSC/M/501/SIGS.

SHORTWAVE RADIOGONOMETER AT MEZZATE



The following information was received from
Ten.Col. Narici of the Sezione Comunicazioni Milan in
letter 4/CS/036/ 0800/Coll 5 dated 4th August 1946.

2. The shortwave Radiogonometer located at Mezzate,
(Linate) will go into regular operation on 06.00 hrs.
(Italian legal time) on 7th August 1946 with unbroken
service from sunrise to sunset.
3. The normal working frequency will be 4781 Kc/s.
Upon request the radiogonometer will also function on
3105 Kcs, 4575 Kc/s, 6500 Kc/s, 5622.5 Kc/s.
4. Upon request the radiogonometer will also remain
in service during the night.
5. The geographical co-ordinates of the radiogonometer
are:
latitude - $45^{\circ}26'33''$ N.
Longitude - $09^{\circ}18'04''$ E. Greenwich
6. Call sign (?) ("Nominativo") - ILY.



D.G. REID F/O
Commanding
A.F.S.C. MILAN

236

file 26A

de : A.F.S.C., A.C. ROMA
: AIR HEADQUARTERS, R.A.F., ITALY
MTE : 12TH AUGUST 1946
RF : AFEC/AIR/3530/SIGS

RADIO NAVIGATIONAL AIDS

The H/F D/F Station at Milan is now serviceable and in operation, maintained and manned by the Italian Air Force.

2. Details:-

<u>Call Sign</u>	-	ILY
<u>Frequency</u>	-	4761 Kc/s (normal). On request 3105, 4575, 6500 and 5622.5 Kcs.
<u>Hours of operation</u>	-	Dawn to dusk.
<u>Position</u>	-	Night service is available on request. 45 26'53" N 09 18'04" E

3. Please inform all concerned.

Awkay SL
C.W. HAY, S/LDR
FOR AIR VICE-MARSHAL
DIRECTOR A.F.S.C.

25A

file

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

To : A.H.C. M.A.P. Malta
B.O.A.C. (European Division) - Attn: Mr. Hayward, Rome.

Date : 23rd July 1946.

Ref : AFSC/AIR/8530/8108

RADIO NAVIGATIONAL AIDS - M/F D/F 333Kc/s

The attached list of Italian M/F D/F Stations working on 333 Kc/s is forwarded for your information.

2. Hours of operation are as follows: -

21st February	to	20th March	0600 to 1800	(Local Time)
21st March	to	15th April	0600 to 1900	" "
16th April	to	15th August	0500 to 2000	" "
16th August	to	30th September	0600 to 1900	" "
1st October	to	5th November	0630 to 1800	" "
6th November	to	10th December	0700 to 1730	" "
11th December	to	20th January	0800 to 1700	" "
21st January	to	20th February	0700 to 1800	" "

Awkay sk

for A.W. RAY S/Ldr.
Air Vice Marshal,
Director,
Air Forces Sub Commission.

234

25B

<u>STATION</u>	<u>CALL SIGN</u>	<u>COORDINATES</u>
Bologna	ILA	44°32'25"N - 11°16'41"E
Brindisi	IBI	40°39'33"W - 17°57'11"E
Cagliari	ILB	39°15'39"W - 09°04'46"E
Catania	IMC	37°10'11"W - 15°04'05"E
Foggia	IMP	41°26'N - 15°33'E
Prosignone	ILH	41°38'N 13°18'E
Lecce	ILK	40°14'32"N - 18°07'40"E
Milano	ILY	45°27'00"N - 09°17'16"E
Napoli	ILB	40°51'55"N - 14°15'E
Trisa	ILT	43°44'N - 10°21'E
Roma	ILZ	41°51'40"N - 12°34'08"E
Torino	IMM	45°04'48"N - 07°14'38"E
Treviso	IKZ	45°18'50"N - 12°10'E
Venezia	ILG	45°25'41"N - 12°23'15"E

1942

24A
(5)

FROM : I.A.F. MINISTRY ROME

TO :	AIR FORCES SUB COMMISSION, ALLIED COMMISSION	ROME
	STATO MAGGIORE REGIA AERONAUTICA	ROME
	UNITA' AEREA COMMAND	BARI
	RESCUE CENTRE	CENTOCELLE
	RESCUE CENTRE	MILAN
	RESCUE CENTRE	VERECE
	RESCUE CENTRE	BRINDISI
	RESCUE CENTRE	CATANIA
	RESCUE CENTRE	CAGLIARI
	COMMUNICATION SECTION 1st Z.A.T.	MILAN
	COMMUNICATION SECTION 2nd Z.A.T.	PADOVA
	COMMUNICATION SECTION 3rd Z.A.T.	ROME
	COMMUNICATION SECTION 4th Z.A.T.	BARI
	COMMUNICATION SECTION R.A. SICILY.	PALERMO
	COMMUNICATION SECTION R.A. SARDINIA.	CAGLIARI

DATE : 18TH JULY, 1946

REF : 412099/1-1/2604 Coll



RADIOGONIOMETER A/F ADCOCK TYPE
AT BOLOGNA

We notify you that on the 13th of this month the A/F Radiogoniometer at Bologna has started functioning to carry out the normal flying assistance..

The mentioned apparatus will carry out the listening on Service 3 (4781. KC/S) and when requested by the Rescue Service on the same frequency. 232

The hours for the service are the ones laid down for the Service 3 (see U.T.2. Edition 1946).

Call Signal	I.L.A.	
Coordinate		
Latitude	11° 17' 13"	EST
Longitude	44° 32' 20"	NORTH

The above mentioned Radiogoniometer must be considered subsidiary to the one of Milan and Elmas..

THE INSPECTOR
(Col. A.A.r.s. - D. LIBRI)

Translated by Sgt. M. Albertini.



Ministero dell'Aeronautica

COMITATO SUPERIORE AERONAUTICA

GRUPPO DI RADIO

UFF. Organizz. ed Esercizio

Prot. N. 412099/1-1 Allegati

2604 del

Disposta al p. 212

Radiogoniometro A/P tipo Adcock di Bologna.-

OGGETTO

18 LUG. 1946

ALL'AFSC/30 - Tramite UFF. Coll. 19 ROMA

ALLO STATO MAGGIORE A.M.

AL COMANDO UNITA' AEREA

ALLA CENTRALI AEREA

AL CENTRO SOCCORSO

" "

" "

" "

" "

CENTROELLE

MILANO

VENEZIA

BRINDISI

CATANIA

CAGLIARI

Il presente ha valore per ogni ufficio in cui si opera e in cui si opera

ALLA SEZIONE COMUNICAZIONI I° Z.A.T.	MILANO
" " " " 2° Z.A.T.	PADOVA
" " " " 3° Z.A.T.	ROMA
" " " " 4° Z.A.T.	BARI
" " " " ARR. SICILIA PALERMO	
" " " " " SARDEGNA CAGLIARI	

Si comunica che in data 13 c.m. è entrato in funzione per normale servizio di assistenza velivoli il Ndg. ad A/P di Bologna.-

Tale apparato effettuerà ascolto sulla frequenza del Servizio 3 (4781 Kc/s) ed a richiesta, da parte del Servizio Soccorso, sulla frequenza di tale servizio.-

L'orario è quello stabilito per il servizio 3 (U.T.2 edizione 1946) -

- Nominativo I L A

- Coordinate :

Latitudine - 44°32'20" Nord

Longitudine - 11°17'13" Est.-

Il suddetto Radiogoniometro deve intendersi ausiliario del Rag. di Milano ed Elmas.-

231

229

P. L'ISITTORE t.a.
(col. A.V.S. - D. LIBRI)

MILANO
VENEZIA
BRINDISI
CATANIA
CAGLIARI

AL C. T. R. SOCCORSO

COMITATO SUPERIORE AERONAUTICA

SEZIONE RADIO

Uff. Organizz. ed Esercizio

OGGETTO

Radiofonometro A/F tipo Adcock di Bologna.-

ALLA SEZIONE COMUNICAZIONI I^a A.A.T.
" " " 2^a A.A.T.
" " " 3^a A.A.T.
" " " 4^a A.A.T.
" " " ARR. GIOIELLA PALERMO
" " " SARDEGNA CAGLIARI

Si comunica che in data 13 c.m. è entrato in funzione per normale servizio di assistenza velivoli il Rds. ad A/F di Bologna.-

Tale apparato effettuerà ascolto sulla frequenza del Servizio 3 (4781 Kc/s) ed a richiesta, da parte del Servizio Soccorso, sulla frequenza di tale servizio.-

L'orario è quello stabilito per il servizio 3 (U.T.2 edizione 1945) -

- Nominativo I L A

- Coordinate :

Latitudine - 44°32'20" Nord

Longitudine - 11°17'13" Est.-

Il suddetto Radiofonometro deve intendersi ausiliario del Rds. di Milano ed Elmas.-

231

229

P. L'ISPETTORE t.a.
(Col. A.A.R.S. - D. LIBRI)

Rim

Il P. L'ISPETTORE t.a. ha autorizzato l'uso del radiofonometro di Bologna per il servizio 3 (U.T.2 edizione 1945) -

ISTITUTO POLIGRAFICO DELLO STATO

GROUP V LAD

GROUP V LADL M.4

P-ADD

FROM AIR HEADQUARTERS ROYAL AIR FORCE ITALY

TO AIRCRAFT

BT

C. 772 16TH JULY UNCLASSIFIED ATTENTION D/LDE

~~SECRET~~ SGT THOMPSON AND WIRELESS ~~SECRET~~ RECALLED TO RETURN

IMMEDIATELY (.) SIGNAL E. T. A.

BT

SHIFT M.4 AT 2200 LAD 52 K

RD 2200 M.4 VA 40-NMI

7645

Air Force 23A.

D.588

V.L.

187

530

/S.230

MC 19/17

22H

AIR FORCES SUB COMMISSION, A.C. HOME.

18 1905 JULY 1946

AIR HEADQUARTERS, R.A.F. ITALY.

4218

UNCLASSIFIED

SUGAR SEVEN ONE EIGHT ED AIRCRAFT THOMPSON AND WINGLESS MECHANIC ARRIVING HANLEY
 PETER NINE ONE NINE JULY ED DEFERRED ED

AFSC/AIR/3.530/SIGS

229

ROUTINE

awRaysh

CHIEF SIGNALS OFFICER

A.V. RAY, S/LDR.

A.C. HENRIEN

A.C. HENRIEN, P/O

21A
(T)

FROM : MINISTERO AERONAUTICA ROME
TO : AIR FORCES SUB COMMISSION, ALLIED COMMISSION ROME
DATE : 8th JULY, 1946
REF : 41241/1-1



RADIOGONIOMETER AT A.F. OF BOLOGNA

With effect from the 30-6-1946 the Radiogoniometer at A.F. Bologna has started service on an experimental period.

This apparatus will carry out the listening on a frequency of 4781 Kc/s (serv.3) and if the Rescue Service will request a listening watch it will be carried out on the above mentioned frequency.-

The time his the one laid down for Service 3 (U.T.2 -1946 Edition).-

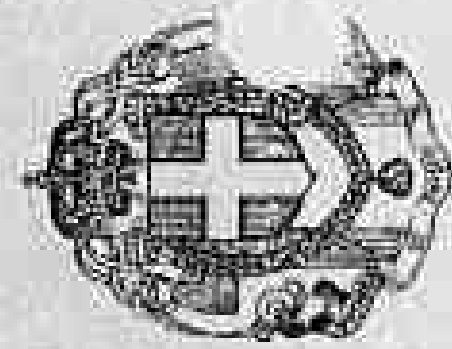
(Call Signal I L A
Coordinate :
Latitude : 44° 32' 20" N.
Longitude : 11° 17' 13" E.

The above Radiogoniometer his in addition to the one of Milan and Elmas.-

We kindly ask the Unita Aerea Command to notify the dependent Sections in order that, for the first period, the above mentioned radiogoniometer be used as much as possible in order to determine the exact positions.

THE DIRECTOR OF TELECOMMUNICATION
(Ten. Col. Fil. A. DE. VINCENTI)

Translated by Sgt. Albertini, M



Ministero dell'Aeronautica

MINISTERO DELL'AERONAUTICA

UFFICIO LEGGI E DECreti

UFFICIO RADIO

UFF. Organismo ed Esercizio

Prot. N. 41241/1-1. Maggior

OGGETTO Radiogoniometro ad A.F. di Bologna.

Si comunica che in data 30 s.m. è entrato in funzione il Radiogoniometro ad A.F. di Bologna per un periodo sperimentale.

Tale apparato effettuerà normale ascolto sulle frequenze di 4781 Kc/s (serv.3) ed a richiesta, da parte del Servizio Soccorso, sulla frequenza di tale servizio.

L'orario è quello stabilito per il Srv.3 (U.T.2 - Edizione 1946).

Nominativo I L A

coordinate:

latitudine : 44° 32' 20" N.

longitudine : 11° 17' 13" E.

Il suddetto Radiogoniometro deve intendere il ausiliario del Radiogoniometro di Milano e Elras.

Si prega il Comando Unità Aerea voler interessare i parti dipendenti perchè, in questo primo periodo, venga intensamente utilizzato il Radiogoniometro in oggetto allo scopo di determinare l'esattezza dei rilevamenti.

L'ISPIETTORE DELLE TELECOMUNICAZIONI
(Ten.Col. Pilota A. DE VINCENTI)

Il presente documento è riservato ai soli uffici dell'Aeronautica e non deve essere diffuso fuori di essi.

ISTITUTO POLIGRAFICO DELLO STATO

ALL'ARSO/AC-Tramite Uff. Coll. ROM A
ALLO STATO MAGGIORE R.A. SED E
AL COMANDO UNITA AEREA
ALLA SEZIONE COMANDO I.C.A.T. MILANO
" " " 2°Z.A.T. PADOVA
" " " 3°Z.A.T. ROM A
" " " 4°Z.A.T. BARI
" " " ABB. SICILIA PALERMO
" " " SARDEGNA CAGLIARI

MINISTERO
GABINETTO DEL MINISTRO

UFFICIO LEGGI E DECRETI

UFFICIO RADIO

UFF. Organizz. ed. Esercizio

Prot. N. 41241/1-1 S.M. g. 10

OGGETTO Radiogoniometro ad A. P. di Bologna.

"	"	"	2° Z. A. T.	PADOVA
"	"	"	3° Z. A. T.	ROMA
"	"	"	4° Z. A. T.	BARI
"	"	"	ABB. SICILIA	PALERMO
"	"	"	ABB. SICILIA	PALERMO
"	"	"	SARDEGNA	CAGLIARI

Si comunica che in data 30 s.m. è entrato in funzione il Radiogoniometro ad A. P. di Bologna per un periodo sperimentale.

Tale apparato effettuerà normale ascolto sulla frequenza di 4781 Kc/s (serv.3) ed a richiesta, da parte del Servizio Soccorso, sulla frequenza di tale servizio.

L'orario è quello stabilito per il Svz.3 (U.T.2 - Edizione 1945).

Nominativo I L A

coordinate:

latitudine : 44° 32' 20" N.

longitudine : 11° 17' 13" E.

Il suddetto Radiogoniometro deve intendersi ausiliario del Radiogoniometro di Milano e Elmas.

Si prega il Comando Unità Aerea voler interessare i parti dipendenti perchè, in questo primo periodo, venga intensamente utilizzato il Radiogoniometro in oggetto allo scopo di determinare l'esattezza dei rilevamenti.

L'ISPETTORE DELLE TELECOMUNICAZIONI

(Ten. Col. Pilota - A. DE VINCENTI)

A. De Vincenti

Il Vice Direttore Generale delle Comunicazioni

ISTITUTO POLIGRAFICO DELLO STATO

file 207

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

To : Mediterranean Allied Air Committee Secretariat
Copy to: - A.M.C. R.A.F., Italy.

Date : 9th July 1946.

Ref : AFSC/AIR/3530/3143

RADIO NAVIGATIONAL AIDS

It is requested that authority be given for the I.A.M.
to install a radio beacon at Gioia del Colle, position
40°47'00" N, 16°56'00" E.

2. Should authority be given it is requested that a frequency &
characteristic be allotted.

Awkay sk

For

A.M. R.A. S/Ldr.
Air Vice Marshal,
Director,
Air Forces Sub Commission.

*file**19A*

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

To : Air Headquarters, R.A.F., Italy.

Date : 8th July 1946.

Ref : AFSC/AFR/8530/SIGS

BROADCAST STATIONS

Reference is made to your AFM/84321/1/SIGS dated 22nd June 1946.

two lists given
2. Herewith details of all Italian Broadcast Stations as received from the Radio Audizioni Italiane.

for

A. W. Day S/L

A.W. DAY S/Ldr.
Air Vice Marshal,
Director,
Air Forces Sub Commission.

file 18A

From : Air Forces Sub Commission, A.C., Rome.
To : Radio Audizioni Italiane, Direzione Generale
Via Asiago 10 - Rome.
Date : 8th July 1946.
Ref : AFSC/AIR/3530/SIGS

ITALIAN BROADCAST STATIONS

16A

Receipt is acknowledged of your communications and enclosed lists of Italian Radio Stations dated the 4th and 8th July 1946.

2. The promptness and comprehensiveness of your replies is greatly appreciated.

For

A. W. RAY
A.W. RAY S/Ldr.
Air Vice Marshal,
Director,
Air Forces Sub Commission.

17A

FROM : E. I. A. R. ITALIAN BROADCASTING COMPANY
TO : AIR FORCES SUB COMMISSION, ALLIED COMMISSION ROME
DATE : 8th July 1946
REF : -

16A

Following our letter IT?184125 dated the 4th July 1946
we forward you, following your verbal request, another two copies of the list
of our stations at present functioning.

Your sincerely

R.A.I.
Radio Italiana.



223

E. I. A. R.**ENTE ITALIANO AUDIZIONI RADIOFONICHE**

CAPITALE L. 84.000.000 VERSATO L. 46.000.000

SEDE LEGALE: ROMA - DIREZIONE GENERALE } ROMA - VIA ASIAGO 10
TORINO - VIA ARSENALE 21**DIREZIONE GENERALE**Concessionario Esclusivo
della Radiodiffusione CircolariRaccomandata a manoDa citare nella risposta:
IT/189121

AIR FORCES SUB COMMISSION, AC.

R O M E

8-LUG. 1946

Roma,

Anno

Via Asiago 10 - Telefono 34.883
Telegrammi: EIARFON
Casella Postale N. 217

Facciamo seguito alla nostra IT/184126 del 4 luglio u.s.
per rimmetterVi con la presente, come da Vostra richiesta
verbale, altre due copie dell'elenco delle nostre stazio-
ni attualmente in funzione.
Distinti saluti.

R.A.L.
RADIO ITALIANA*Per*

/com.

2 allegati

222

E. I. A. R.**ENTE ITALIANO AUDIZIONI RADIOFONICHE**

CAPITALE L. 64.000.000 VERSATO L. 40.000.000

SEDE LEGALE: ROMA - DIREZIONE GENERALE } ROMA - VIA ASIAGO 10
TORINO - VIA ARSENALE 21**DIREZIONE GENERALE**Concessionario Esclusivo
delle Radiodirezioni CircolariRaccomandata a manoDa citare nelle risposte:
IT/184126

AIR FORCES SUB COMMISSION, A.C.

R O M E

Roma,

4 - LUG. 1946

Anno

Via Asiago 10 - Telefono 34.383
Telegrammi: EIARFON
Casella Postale N. 217

Riferimento Vostra AFSC/AIR/S530/SIGS in data 27 giugno 1946.

Si rimette, come richiesto, l'elenco delle nostre stazioni
attualmente in funzione, specificandone la ubicazione, la
potenza, la frequenza e l'orario di normale funzionamento.

Distinti saluti.

R. A. I.

RADIO ITALIANA

Fedini

PM/com.

221

1 allegato

ELenco STAZIONI R.A.I.

Stazione	Ubicazione (*)	Potenza	Frequenza KC/s.	Orario funzionamento
BARI I	Ceglie del Campo 04° 24' 39" E 41° 03' 40" N	20 kW	1058	07.00 - 08.35 10.29 - 15.30 16.45 - 17.00
BARI II	id.	1 kW	1348	17.30 - 24.30 21.00 - 23.00
BOLOGNA	Budrio Pilone Nord 00° 56' 01" W 44° 31' 15" N Pilone Sud 00° 56' 05" W 44° 31' 10" N			07.00 - 8.35 11.00 - 15.30 17.00 - 24.45
BOLOGNA	Torre degli Asinelli	1 kW	1303	7-8.35 11-15.30 17.00-24.45
BOLZANO	Monticolo	20 kW	536	come Bologna
CAGLIARI	Sestu	5 kW	530	07.45 - 08.00 12.30 - 14.15 19.00 - 23.40
CATANIA	Barriera del Bosco 02° 37' 33" E 37° 32' 01" N	5 kW	1104	come Bari I
FIRENZE	Poggio Imperiale 1° 12' 30" O 43° 43' 13" N	3 kW	1060	07.00-08.35 11.00-15.30 16.44-24.10 ~
GENOVA I	Granarolo Pilone Nord 03° 32' 28" W 44° 25' 21" N	10 kW	980	

BOLOGNA	Pilone Sud 00° 56' 05" W 44° 31' 10" N	1 kW	1303	7-8.35 11-15.30 17.00-24.45 come Bologna
BOLZANO	Torre degli Asinelli Monticolo	20 kW	536	07.45 - 08.00 12.30 - 14.15 19.00 - 23.40
CAGLIARI	Sestu	5 kW	530	come Bari 1 [^]
CATANIA	Barriera del Bosco 02° 37' 33" E 37° 32' 01" N	5 kW	1104	07.00-08.35 11.00-15.30 16.44-24.10 ~
FIRENZE	Poggio Imperiale 1° 12' 30" O 43° 43' 13" N	3 kW	1060	come Bologna
GENOVA 1 [^]	Granarolo Pilone Nord 03° 32' 28" W 44° 25' 21" N	10 kW	900	come Bologna
GENOVA 11 [^]	Pilone Sud 03° 32' 29" W 44° 25' 19" N	5 kW	1250	come Bologna
MILANO 1 [^]	Sizzano Pilone A 3° 15' 0" W 45° 19' 50" N Pilone B 3° 15' 11" W 45° 19' 49" N	50 kW	814	come Bologna
MILANO 11 [^]	Vigentino Pilone A 45° 25' 35" N 03° 15' 34" W Pilone B 45° 25' 33" N 03° 15' 37" W	5 kW	610	07.00 - 8.30 11.00 - 14.00 20.00 - 22.30
MILANO 111 [^]		5 kW	non funziona	come Bari 1 [^]
NAPOLI	Villanova 01° 45' 31" E 40° 50' 07" N	5 kW	1312	come Bologna
		0.25 kW	1429	

MILANO 1 ^A	45° 19' 50" N Pilone B 3° 15' 11" W 45° 19' 49" N	30 kW	814	come Bologna
MILANO 11 ^A	Vigentino Pilone A 45° 25' 35" N 03° 15' 34" W Pilone B 45° 25' 33" N 03° 15' 37" W	5 kW	610	07.00 - 8.30 11.00 - 14.00 20.00 - 22.30
MILANO 111 ^A		5 kW	non funziona	
NAPOLI	Villanova 01° 45' 31" E 40° 50' 07" N	5 kW	1312	come Bari 1 ^A
PADOVA		0,25 kW	1429	come Bologna
PALERMO	Uditore Pilone A 38° 07' 20" N 00° 52' 29" E Pilone B 38° 07' 23" N 00° 52' 27" E	12 kW	505	come Catania
ROMA	Santa Palomba 00° 07' 39" E 41° 42' 12" N	100 kW	713	07.00 - 08.35 10.30 - 15.30 16.45-17 17.30-24.30
ROMA	Monte Mario 00° 07' 50" E 41° 42' 13" N	5 kW	966	come Bari 1 ^A
SAN REMO		0,25 kW	1429	come Bologna
TORINO	Eremo 45° 02' 29" N 04° 43' 04" W	10 kW	1357	come Milano 11 ^A
TORINO	Eremo 45° 02' 29" N 04° 43' 04" W	80 kW	1258	come Bologna
TRIESTE	Monte Radio	10 kW	1140	07.00 - 8.30 11.30 - 14.30 17.00 - 24.30

PALERMO	Pilone B 38° 07' 23" N 00° 52' 27" E					07.00 - 08.35 10.30 - 15.30 16.45-17 17.30-24.30
ROMA	Santa Palomba 00° 07' 39" E 41° 42' 12" N	100 kW	713			
ROMA	Monte Mario 00° 07' 50" E 41° 42' 13" N	5 kW	968			come Bari 1"
SAN REMO		0,25 kW	1429			come Bologna
TORINO	Eremo 45° 02' 25" N 04° 43' 04" W	10 kW	1357			come Milano 11"
TORINO	Eremo 45° 02' 29" N 04° 43' 04" W	80 kW	1258			come Bologna
TRIESTE	Monte Radio	10 kW	1140			07.00 - 8.30 11.30 - 14.30 17.00 - 24.30
VENEZIA		5 kW	1222			come Bologna
VERONA		1 kW	1348			come Bologna

N.B. - Le stazioni di ANCONA e MESSINA non sono ancora funzionanti.

Roma, 3 luglio 1946

AL/com.

(*) La longitudine è indicata rispetto al meridiano di Roma M.Mario.

file

15A

From : Air Station Sub Commission, A.C., Rome.
 To : Radio Radditioni Italiana, Direzione Generale
 (Attn: Ing. Orsini)
 Via Asiago 10 - Rome.
 Date : 27th June 1946.
 Ref : AFSC/AFR/05.0/2102

ITALIAN BROADCAST STATIONS

Reference is made to today's telephone conversation with Ing. Orsini.

2. Would you please inform this Sub Commission of the times of operation of the following Broadcast Stations:

STATION	FREQUENCY (Kc/s)
ANCONA	1575
ASPI	1079
BARI	1548
BELLUNO	71
BOLZANO	536
CASALE	1548
CATANIA	1100
CHIAVARI	1039
CORTINA	586
CUNEO	1557
FIRENZE	586
GENOVA	1529
INTRA	84
MILAN I	9-60, 11810
MILAN II	640
MILAN III	640
MILAN IV	640
MILAN V	640
MILAN VI	640
MILAN VII	640
MILAN VIII	640
MILAN IX	640
MILAN X	640
MILAN XI	640
MILAN XII	640
MILAN XIII	640
MILAN XIV	640
MILAN XV	640
MILAN XVI	640
MILAN XVII	640
MILAN XVIII	640
MILAN XIX	640
MILAN XX	640
MILAN XXI	640
MILAN XXII	640
MILAN XXIII	640
MILAN XXIV	640
MILAN XXV	640
MILAN XXVI	640
MILAN XXVII	640
MILAN XXVIII	640
MILAN XXIX	640
MILAN XXX	640

21'

3. Details of any other Broadcast Stations now operating (over)

From :- Air Headquarters, Royal Air Force, ITALY.

To :- A.F.S.G., A.C. HOME. ✓

Date :- 22nd June, 1946.

Ref :- AHQI/S.4521/1/Sigs.

BROADCAST STATIONS.

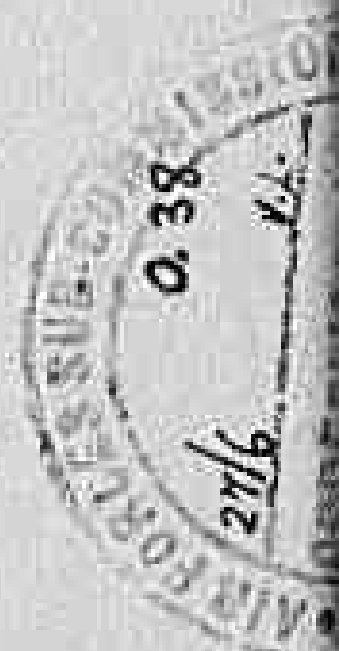
1. Can you please inform this Headquarters of the times of operation of the following Italian Broadcast Stations :-

STATION FREQUENCY (Kc/s)

ANCONA	1575
RARI	1059
RARI	1348
BOLOGNA	713
BOLLANO	536
CAGLIARI	1348
CATANIA	1104
FLORENCE	1059
GENOA I	986
GENOA II	1357
MESSINA	565
MESSINA	1429
MILAN I	844
MILAN II	9360, 1810
MILAN III	610
NAPLES	610
PADUA	1429
PALERMO	565
ROME I	713
ROME II	1357
ROME III	1222
SAN REMO	1258
TURIN	1357
VENICE	1222
VERONA	1348

218

Are any other Broadcast stations now operating? If so, details of position frequency, hours of operation and power would be appreciated.



H. R. Tidmarsh

27/6

Ref :- AFHQ/S.4521/1/Sigs.

BROADCAST STATIONS.

1. Can you please inform this Headquarters of the times of operation of the following Italian Broadcast Stations :-

<u>STATION</u>	<u>FREQUENCY (Kc/s)</u>
ANCONA	1575
BARI	1059
BARI	1348
BOLOGNA	715
BOLLANO	536
CAGLIARI	1348
CATANIA	1104
FLORENCE	1059
GENOA I	986
GENOA II	1357
MESSINA	565
MESSINA	1429
MILAN I	814
MILAN II	9360, 11310
MILAN III	610
NAPLES	610
PADOVA	1429
PALERMO	565
ROME I	713
ROME II	1357
ROME III	1222
SAN REMO	1258
TURIN	1357
VENICE	1222
VERONA	1348

218

Are any other Broadcast stations now operating? If so, details of position frequency, hours of operation and power would be appreciated.



L. R. Tidmarsh

Air Commodore,
Senior Air Staff Officer,
AIR HEADQUARTERS, R.A.F. ITALY.

file.

0 13A.

TO . AIR FORCES SUB-COMMISSION, ALLIED COMMISSION, ROOM
(For attention C.S.O.)

FROM ... AIR FORCES SUB-COMMISSION DETACHMENT, R.A.F. TARANTO.

DATE ... 20TH JUNE, 1946.

SUBJECT :- PLOTTING CHARTS RADIO NAVIGATION.

A request has been received from the C.S.O.
of the Italian Seaplane Wing for copies of a plotting
chart superimposed with a coloured grid; Consol, Decca
and LORAN system ?. It would appear that charts of
these type were used to demonstrate the RADAR system
to Italian Signal representatives who attended the
International Conference in London.

None are available locally and it would be
appreciated if a small supply could be obtained for
lecture and practical use.




WING COMMANDER, COMMANDING
AIR FORCES SUB-COMMISSION,
DETACHMENT, TARANTO.

217

file 12A

From : Air Force Sub Commission, A.C., Re
To : Air Forces Sub Commission Detachment, R.A.F., Taranto
Date : 24th June 1946.
Ref : AFJC/AIR/S530/SIGS

Plotting Charts - Radio Navigation

Reference is made to your letter with no reference dated 20th June 1946.

2. As the Italian Air Force does not possess equipment necessitating the use of these charts it is not understood how practical use can be made of them - the last paragraph of your letter refers.

3. Further details are requested.

Awlay SL
for A.W. RAY S/Ldr.
Air Vice Marshal,
Director,
Air Forces Sub Commission.

11A

From : Air Force Sub Commission, A.C., Rome
To : H.Q. 1419th A.A.F. Base Unit Rome Italy.
APO 512 U.S. Army.
Date : 14th April 1946.
Ref : AFSC/AIR/3506/SIGS.

VIBO VALENTIA BEACON.

10A

Reference your CPNS/RPS/1 SK dated 20th April 1946.

2. There is no record that your letter dated 10th April 1946, mentioned in the above letter, has been received by this Sub Commission.

3. It is requested that a copy may be forwarded at your earliest convenience.

11 B



A.W. Ray S/Ldr.
for Air Vice Marshal,
Director,
Air Forces Sub Commission.

1st Ind ADJ/RUE/sc
HQ 1419th AAF Base Unit EW-ATC, Rome, Italy, APO 512, US Army 215
18 May 1946:

TO: Air Forces Sub Commission, AC, Rome.

Copy of correspondence referred to above is attached.

FOR THE COMMANDING OFFICER:

Robert B. Edwards
ROBERT B. EDWARDS,
Capt, AC,
Adjutant.

1 Incl:
Ltr 1419th AAF BU,
10/4/46 sub: Vibo Valentia
Beacon

11B

HEADQUARTERS
1419th AAF BASE UNIT - ROME, IT.
EUROPEAN DIVISION, AIR TRANSPORT COMMAND
APO 512, U. S. ARMY

In reply
refer to 360.31

OPNS/RPS/eeh
10 April 1946

SUBJECT: Vibo Valentia Beacon

TO : Commanding Officer,
708th AAF BU
Headquarters 58th AACS Group
APO 528
U.S. Army.

1. Attached are a report and pertinent maps and sketches which are the result of a survey made by Capt Egan of this Base. Capt. Woody of Army Airways Communications System, and Lt. Zoppi of the Italian Air Force.

2. It is believed that the site described in this report will be satisfactory and it is, therefore, recommended that this location be approved.

FOR THE COMMANDING OFFICER:

Robert B. Edwards
ROBERT B. EDWARDS,
Capt, AC,
Adjutant.

Incls:

- 1- Report
- 2- Maps
- 1- Sketch

Copies:

CG, MTOUSA
AACS, Rome
Gen Lee, Air Force S/G, AC
1400th AAF BU

214

213

HEADQUARTERS
1419th AAF BASE UNIT, ROME, ITALY
EUROPEAN DIVISION, AIR TRANSPORT COMMAND
APO 512, U.S. ARMY

360.31

4 April 1946

SUBJECT: Report of Recommendations for Radio Beacon Site at the Isthmus of Eufemia.

TO : Commanding Officer, 1419th AAF Base Unit, EURD-ATC, APO 512, U.S. ARMY.

1. The following is the report of a survey made to select a suitable site in the pass formed by the low terrain of the Isthmus of Eufemia in southern Italy.

2. The coordinates of the site recommended are $38^{\circ} 51' 50''$ N $16^{\circ} 30' 50''$ E. This position is approximately $\frac{1}{2}$ mi S.S.W. of the village of Caraffa (Catanzaro) in a meadow 600 by 600 feet. The meadow extends from the west and south walls of a cemetery on the south edge of the road which leads to Caraffa. Its elevation is 1,200 feet. See Attached sketch.

3. The search for and selection for recommendation of this site was made by the undersigned representing the Air Transport Command with the concurrence of Capt. Woody, representing Army Airways Communications Service, and Lt. Zoppi, a signal Officer representing the Italian Air Force.

4. Factors governing this selection are detailed as follows:

a. Value to Aircraft - The 5 mile wide corridor running 27 $\frac{1}{2}$ miles east and west, having a maximum elevation of not over 1200 feet, forms a pass for aircraft to cross Italy and remain at the same time below the flight altitudes of greatest turbulence, icing, and consequent passenger discomfort. A Radio Beacon situated at Caraffa, which is midway north and south in the corridor and 13 $\frac{1}{2}$ miles east of its western shore, will greatly increase the usefulness of the pass. The radio beacon will serve as an aid to navigation and especially provide a positive check for aircraft flying the pass under instrument conditions.

213

b. Technical Limitations - The site as proposed will accommodate the installation adequately and the equipment will afford maximum accuracy to aircraft approaching from any altitude with a heading not more than 10 degrees more or less than the two cardinals, east and west. The beacon will be accurate for aircraft approaching from any heading if the aircraft is not closer than 25 miles or is flying at medium altitude or over. Naturally the altitude of the terrain north and south of the beacon site precludes its being approached from low alt. from those headings.

c. Ground accessibility - Caraffa has not suitable through road and may be reached from the south only. The road from the south was found to be a good all weather route which joins roads leading to Reggio, Naples, Catanzaro and Crotona. Since the site is right by the side of the main road to Caraffa, there will be no problem as to accessibility. The Airfield south of Vibo Valentia should be suitable for C-47s in a few days. Work was in progress to fill 3 shallow craters in a 4,000 foot strip marked with white barrels. The Airfield at Crotona is a little rough but is suitable for a C-47 if it is not too heavily loaded. The Airfield at Reggio is usable for C-47s.

DISTANCES

Reggio to Caraffa - approx. 100 miles
Vibo Valentia to Caraffa - Approx. 30 miles
Crotona to Caraffa - approx - 40 miles.

5. Should the need arise to install a Direction Finding Station at Eufemia, this site at Caraffa will be entirely suitable. The area is large enough for the equipment and there are no limits to the optical range east and west.

6. The proposed site at S. Pietro di Litterio was not as satisfactory as Caraffa. It is near the southern edge of the corridor at fairly low altitude with too much adjacent high ground. There was no accessible level area to accommodate the equipment. This party considered a site north of the U bend in the road between Jacurso and Cortale. Although there was suitable ground area, it is not recommended since it is south of the pass. Another possible site was just outside the village of Vena di Maida. Except for being on lower ground, it was well centered in the pass. The road leading to this site is not too good and its use is not advised.

7. Conclusion : It is the consensus of opinion of this party that the site recommended is the best technically usable and accessible place for the installation of a Radio Beacon. A flight through the pass over Caraffa further strengthened these convictions.

212

JAMES C. EGAN
Captain, Air Corps
Flying Safety Officer

Incl: 1 sketch
2 maps

HEADQUARTERS
141st AAF BASE UNIT - ROME, ITALY
EUROPEAN DIVISION, AIR TRANSPORT COMMAND
APO 512, U.S. ARMY

11 D

4 April 1946

N



CARAFFA

Cemetery
Deserted Barn

Main Road

Recommended Location Meadow
marked with dotted lines.
Center of installation staked
200' from Cemetery at 225°

Sketch to accompany Report of Recommendation for
Radio Beacon Site at the Isthmus of Eufemia.

HEADQUARTERS
19th AAF BASE UNIT, ROME, ITALY
EUROPEAN DIVISION AIR TRANSPORT COMMAND
APO 512, U. S. ARMY

CPNS/RPS/lsk

20 April 1946

SUBJECT: Vibo Valentia Beacon

TO: Air Forces Sub-Commission, Rome

1. The following information is submitted to supplement the data and site approval contained in this Headquarters' letter of 10 April, and to clarify for all agencies concerned our interpretation of the existing commitments made to date by the American and Italian authorities regarding the installation and operation of this radio beacon.

2. The Italian responsibilities shall be as follows:

- a. Construction of the building.
- b. Provision of necessary labor to be used in the actual installation of the equipment and erection of the radio mast.
- c. Provision of two or three maintenance technicians to be present while installation is being made in order to learn details of construction and operation for proper maintenance after the installation is completed.

3. The American responsibilities shall consist of:

- a. Delivery of the equipment to the site.
- b. Furnishing the technical supervision of the actual installation.
- c. Providing the necessary equipment in the way of special tools, etc., to effect the installation.

4. Any further necessary detailed liaison work shall be carried out by the Air Forces Sub-Commission in Rome as in the past.

FOR THE COMMANDING OFFICER:

Robert B. Edwards
ROBERT B. EDWARDS
Capt., AG
Adjutant

210



From : Air Forces Sub-Commission, Allied Commission

To : AHQ, R.A.F., Italy

Date : 3rd April 1946

Ref. : AFSC/AIR/S.530/SIGS

Italian M.F. D/P Stations and Radio Beacons

It is advised that the first amendment list to the R.A. publication covering I.A.F. W/T services has been received by this Sub-Commission. The times of day/night frequency changes have been revised and in consequence the hours of operation of the M.F. D/P service are similarly affected. Your Headquarters signals Instruction No. 29, Appendix "B", which includes information of this service, will therefore require amendment.

2. The following table lists the hours of operation now in force :-

From	21st February	to	20th March	-	0630	to	1830
"	21st March	"	15th April	-	0600	"	1900
"	16th April	"	15th August	-	0500	"	2000
"	16th August	"	30th September	-	0600	"	1900
"	1st October	"	5th November	-	0630	"	1800
"	5th November	"	10th December	-	0700	"	1730
"	11th December	"	20th January	-	0800	"	1700
"	21st January	"	20th February	-	0700	"	1800

All times local Italian time.

3. Corrections have been made in the coordinates defining the positions of M.F. beacons. Amended lists are subscribed :-

Service R.A. 6 Low Power and V.L.P. Beacons

Station	Call sign	Frequency	Position	Power	Hours
Alghero	AK	421 Kc/s	40° 17' 48"N 08° 17' 01"E	310 W	on Request
Bologna	BN	421 "	44° 31' N 11° 18' E	"	"
Bracciano	BO	421 "	42° 05' N 12° 13' E	80 W	"
Genoa	GE	421 "	44° 24' 13"N 08° 51' 04"E	310 W	"
Milan	MI	421 "	45° 27' 21"N		

It is advised that the first amendment list to the R.A. publication covering I.A.F. W/T services has been received by this Sub-Commission. The times of day/night frequency changes have been revised and in consequence the hours of operation of the MF D/F service are similarly affected. Your Headquarters signals Instruction No. 29, Appendix "B", which includes information of this service, will therefore require amendment.

2. The following table lists the hours of operation now in force :-

From	21st February	to	20th March	-	0630	to	1830
"	21st March	"	15th April	-	0600	"	1900
"	16th April	"	15th August	-	0500	"	2000
"	16th August	"	30th September	0600	"	1900	
"	1st October	"	5th November	-	0630	"	1800
"	6th November	"	10th December	-	0700	"	1730
"	11th December	"	20th January	-	0800	"	1700
"	21st January	"	20th February	-	0700	"	1800

All times legal Italian time.

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3. Corrections have been made in the coordinates defining the positions of M.F. beacons. Amended lists are subscribed :-

Service R.A. 6 Low Power and V.L.P. Beacons

Station	Call sign	Frequency	Position	Power	Hours
Alghero	AK	421 Kc/s	40°37'48"N 08°17'03"E	310 W	on Request
Bologna	BN	421	44°31'N 11°18'E	"	"
Bracciano	BO	421	42°05'N 12°13'E	80 W	"
Genoa	GE	421	44°24'13"N 08°54'04"E	310 W	"
Milan	MI	421	45°27'21"N 09°15'27"E	80 W	"
Orb al Serio	OR	421	45°40'28"N 09°41'33"E	80 W	"
Ortovo	TB	421	40°28'N 17°17'E	310 W	"
Treviso	TV	421	45°40'N 12°14'45"E	80 W	"
Catania	GU	320	37°28'55"N 15°04'25"E	310 W	"
Frosinone	FR	320	41°38'31"N 13°18'19"E	80 W	"
Guidonia	GD	320	41°57'N 12°48'E	80 W	"
Iccce	NR	320	40°12'25"N 18°10'E	310 W	"
Rome	RM	320	41°52'30"N 12°34'10"E	310 W	"

507

Turin TW 320 /E 45°04'42"W 07°35'2"E 80 W On request

Notes

Request for beacons may be made on the frequency 4781 Kc/s. except in the case of Taranto, for which the frequency 5622.5 Kc/s should be used.

All homing beacons during their hours of operation will transmit the local Met. bulletin in reduced form 13 alternately with the continuous signal. When instrument weather exists "QBI" and/or "QGO" will be included in the bulletin.

The beacon at Rome is not in operation but is maintained at readiness. Aircraft flying to Rome home on the Allied beacon at Ciampino.

Service R.A. 7 Medium Power Beacons

<u>Station</u>	<u>Call sign</u>	<u>Frequency</u>	<u>Position</u>	<u>Power</u>	<u>Hours</u>
Elmas	KV	455 Kc/s	39°14'55"N		
OLBIA	AO	320 "	09°04'46"E 40°55'34"N	1200 W	Continuous
Brindisi (W) HU		403 "	09°30'21"E 40°55'46"N	310 W	"
Milan	ME	222 "	17°52'09"E 45°25'33"N	1200 W	"
Palermo (W) KP		421 "	09°18'35"E 38°07'15"N	1200 W	"
Venice (W) VP		320 "	13°20'E 45°23'50"N 12°21'30"E	310 W	"
				310 W	"

(W) These beacons broadcast the local meteorological bulletin in reduced form 13 for alternate minutes in the first five minutes of each half hour.

Full

For
E.W. FREEMAN P/Lt.
AIR VICE MARSHAL
DIRECTOR
AIR FORCES SUB-COMMISSION

7A

From : F/Lt E. W. FREEMAN

Ref. AFSC/AIR/S.530/SIGS

Air Forces Sub-Commission
Allied Commission,
C.M.F.

1st April 1946

Dear

In reply to your D.O. letter dated 8th March 1946, ref. 216G/2517/1-J.L. LEC/DO/Sigs., it is advised that the 1st Amendment List to the Regia Aeronautica publication has just been received, and the latest available information on Italian MED/F service and beacons is appended.

2. My most up to date information respecting radio aids operated by the Allies is contained in MEDWE RCO 1/46, of which you no doubt hold a copy.

3. No other changes have been introduced in the air/ground services, and no radical changes are contemplated, to my knowledge. The operation of seaplanes engaged in A.S.R. has been under Allied control but reversion to the I.A.P. frequency is very probable now that the only ASR in Italy is to be undertaken by the Italians.

Yours

*EW*To : F/Lt. J.L. LE CRERAR
HQ No. 216 Group
M.E.F.200
207

6A (5)
FROM : ITALIAN AIR MINISTRY, COMMUNICATIONS DIRECTORATE,
RADIO - ELECTRICAL SECTION, ROME.

TO : LIAISON SECTION, ITALIAN AIR MINISTRY, ROME.
COPY TO : ITALIAN AIR MINISTRY, MINISTER'S CABINET, ROME.

DATE : 21ST MARCH, 1946.

REF. : 410478/TEL.

CHINISIA S. GIUSEPPE AIRPORT

R/T STATION

On the 11th March 1946, the American Command at Palermo handed over the following equipment to the Communications Section in Sicily and the local R/T Centre Transmitting Station on Boccasidifello Airport: -

No. 2 10 KW. Electric Dynamos.
" 1 BC 508 Transmitter (4 Knobs).
" 4 Type TF 7A Transmitters.
" 1 Modulator.
" 1 Power Rectifier.
" 1 Telephone Apparatus.

Furthermore, as informed by an American Officer, this equipment, together with the equipment which will shortly be released, is to be transported to Chinisia S. Giuseppe Airport by the Italian Air Force and allotted to the R/T services on the Airport.

It would be advisable however to contact the American Air Force Command in order to clarify and settle the following points:-

- 1°) The R/T equipment released at Palermo must be installed on Chinisia Airport and used by the two R/T services requested???
- 2°) Is the Italian Air Force to provide transport??
- 3°) Are the apparatus to be fitted by Italian personnel??

Regarding para 3, we would like to stress that as the equipment in question is not of Italian manufacture,



CHINISIA S. GIUSEPPE AIRPORTR/T STATION

On the 11th March 1946, the American Command at Palermo handed over the following equipment to the Communications Section in Sicily and the local R/T Centre Transmitting Station on Peccadifalco Airport: -

No.	2	10 KW. Electric Dynamos.
"	1	BC 500 Transmitter (4 Knobs).
"	4	Type TF 7A Transmitters.
"	1	Modulator.
"	1	Power Rectifier.
"	1	Telephone Apparatus.

Furthermore, as informed by an American Officer, this equipment, together with the equipment which will shortly be released, is to be transported to Chinisia S. Giuseppe Airport by the Italian Air Force and allotted to the R/T services on the Airport.

It would be advisable however to contact the American Air Force Command in order to clarify and settle the following points:-

- 1°) The R/T equipment released at Palermo must be installed on Chinisia Airport and used by the two R/T services requested???
- 2°) Is the Italian Air Force to provide transport??
- 3°) Are the apparatus to be fitted by Italian personnel??

Regarding para 3, we would like to stress that as the equipment in question is not of Italian manufacture, the fitting and first tests must be carried out by American Technical Personnel.

This personnel must also provide information regarding the functioning and maintenance of the apparatus.



-2-

GA (r)

If necessary, Italian personnel could eventually be made available to assist in the installation work.

(IT. COL. DE VINCENTI)

=====

To
~~FROM~~ : AIR FORCES SUB COMMISSION, A.C., ROME.

From
~~TO~~ : LIAISON SECTION, ITALIAN AIR MINISTRY, ROME.

DATE : 21ST MARCH, 1946.

REF. : 1121 COLL.

Will you kindly take the necessary action as requested by the Communications Directorate.

205

(IT. COL. ADROVER)

=====

MINISTERO DELL'AERONAUTICA
DIREZIONE COMUNICAZIONI
Divisione radioelettrica

Roma 21 Marzo 1946

ALL'UFFICIO COLLEGAMENTO

S E D E

AL CABINETTO DEL MINISTRO

S E D E

e p.c.

Prot. 410470/TEL

OGGETTO: Aeroporto di Chinisia S. Giuseppe - Stazione R.L.

In data 11 corrente il Comando Americano di Palermo ha passato in consegna alla Sezione Comunicazioni della Sicilia, insieme al locale centro RT trasmettente dell'Aeroporto di Poccadiscalco il seguente materiale RT.

- N° 2 Gruppi elettrogeni da 10 kw.
- " 1 Trasmettitore RT 500 a quattro pannelli
- " 4 Trasformatori tipo RT/A
- " 1 modulatore
- " 1 rettificatore di potenza
- " 1 apparato telefonico

Inoltre, secondo quanto riferito da un Ufficiale Americano, stesso materiale, unito ad altro che verrà ceduto in questi giorni, dovrebbe essere trasportato sull'Aeroporto di Chinisia S. Giuseppe, a cura dell'Aeronautica Italiana e destinato ai servizi RT richiesti su tale Aeroporto.

Pertanto si riterrà opportuno interessare il Comando dell'Aeronautica Americana perché vengano chiariti e definiti i seguenti argomenti :

- 1° Il materiale RT. ceduto a Palermo deve essere tutto installato sull'Aeroporto di Chinisia ed adito al funzionamento dei due servizi RT richiesti ;
- 2° Il trasporto deve avvenire a cura dell'Aeronautica Italiana **204**
- 3° Il montaggio ai tali apparati dovrà essere effettuato da personale italiano ;

Per quanto riguarda il paragrafo 3° si ribadisce il concetto che, trattandosi di materiale di costruzione non italiano, il montaggio ed il primo funzionamento dovrà essere eseguito da personale tecnico Americano, il quale potrà così anche fornire chiarimenti circa il funzionamento e la relativa manutenzione di tali apparati.

Eventualmente, e qualora richiesto, il personale italiano potrà eventualmente collaborare nei lavori di impianto.

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

UFFICIALE ADDETTO

perseguito in conseguenza alla Sezione Comunicazioni della Sicilia, insieme al locale centro RT trasmettente dell'Aeroporto di Locca di Calco il seguente materiale RT.

- 1° 2 Gruppi elettrogeni da 10 kw.
- " 1 Trasmettitore da 500 a quattro pannelli
- " 4 Trasformatori tipo TFA
- " 1 modulatore
- " 1 rettificatore di potenza
- " 1 apparato telefonico

Inoltre, secondo quanto riferito da un ufficiale Americano, stesso materiale, unito ad altro che verrà ceduto in questi giorni, dovrebbe essere trasportato sull'Aeroporto di Chinisia S. Giuseppe, a cura dell'Aeronautica Italiana e destinato ai servizi RT richiesti su tale Aeroporto.

Pertanto si riterrà opportuno interessare il Comando dell'Aeronautica Americana perché vengano chiariti e definiti i seguenti argomenti:

- 1° Il materiale RT, ceduto a Palermo deve essere tutto installato sull'Aeroporto di Chinisia ed adito al funzionamento dei due servizi RT richiesti.
- 2° Il trasporto deve avvenire a cura dell'Aeronautica Italiana.
- 3° Il montaggio di tali apparati dovrà essere effettuato da personale italiano.

Per quanto riguarda il paragrafo 3° si ribadisce il concetto che, trattandosi di materiale di costruzione non italiano, il montaggio ed il primo funzionamento dovrà essere eseguito da personale tecnico Americano, il quale potrà così anche fornire chiarimenti circa il funzionamento e la relativa manutenzione di tali apparati.

Eventualmente, e qualora richiesto, il personale italiano potrà collaborare nei lavori di impianto.

ACCETTAZIONE

A/ to : IL DIRETTORE DELLE COMUNICAZIONI
(Ten. Col. Fil. A. DE VINCENTI)

UFFICIO COLLEGAMENTO

UFFICIO COLLEGAMENTO

UFFICIO COLLEGAMENTO

pro. 1121 coll.

ALL'ALIA FORCES COMMISSION
Allied Communications Commission
R O M A

con viva preghiera di voler benevolmente esaminare e, in caso di necessità, sopra richiesto dalla Direzione delle Comunicazioni.

UFFICIO DEL

From: P/Lt. J.F. LE GRERAR

Headquarters 216 Group,
Royal Air Force,
Middle East Forces

Ref: 216G/2517/1/
J.L.LEC/DO/Sigs.

8th March, 1946.

Dear *Freeman*

File: S.530/Sig
BF 20/3

A copy of a booklet entitled MINISTERO DELL'AERONAUTICA, DIREZIONE DELLE COMUNICAZIONI was recently brought back from Italy by the Deputy Chief Signals Officer of this Headquarters.

2. The sections of the Appendix dealing with M.F. D/F stations and radio beacons were of particular interest and contained information which I intend to include in the relevant section of the Transport Command Radio Operators Route Book.

3. Some of the information was already in our possession but according to the Italian book we were incorrect. As you will appreciate, it is essential that all information given to aircrews must be accurate, therefore I would appreciate if you would check the attached sheet and let me know as early as possible which details are correct, in respect of the Italian facilities. I presume that the information I have of Allied Facilities is more up-to-date.

4. I realise that although this booklet is dated January 1946, it was probably being compiled a few months previous to that date, and considerable changes have taken place since. There are probably amendments which have not been incorporated in the copy I hold.

5. If you have any further information about Air/Ground Radio Facilities I'd be glad to have them

Yours

Sincerely

203

To: P/Lt. FREEMAN, ✓
Allied Control Commission,
Air Forces Sub-Commission,
ROME - ITALY.

JLC/YH



ALLIED M.F. BEACONS

APPENDIX 'B'

5B

Station	Callsign	Freq. Kc/s.	Operation	Co-Ordinates	Remarks
AJACCIO	AJ	-	-	41.55N - 08.48E	Deleted.
BAF	-	-	Dawn to 1 hour after Dusk	41.07N - 16.45E	
BIFERNO	-	-	-	-	
CAPODICHINO	-	-	Continuous	-	
CATANIA	-	-	- 100W.	37.29N - 15.04E	
EL AGUINA	-	400	- 1000W.	-	Deleted.
FOGGIA	FA	429	0700-1600 GMT.	41.26N - 15.32E	
ISTRES	-	-	Cont. Except 0600- 0700.	43.31N - 04.56E	
POMIGLIANO	-	-	Dawn to 1 hour after dusk.	40.55N - 14.22E	
VILLAFRANCA	-	-	-	-	

APPENDIX 'F'

ELMAS	KV	-	-	-	No weather broadcasts.
BRINDISI	HU	403	-	-	Deleted.
MILAN	ME	-	-	-	
BRINDISI	HU)		Do these Stations still transmit weather broadcasts ?		
PALERMO	XP)				
VENICE	VE)				

4A(7)

From : Ministero Aeronautica (Communication Direction)

To : Works and Bricks Section ROME
 IV Z.A.T. Command BARI
 Sicily Nucleus Command PALERMO
 Sicily Communication Section PALERMO
 Campania Communication Section NAPLES
 IV Z.A.T. Communication Section BARI
 Works and Bricks Section IV Z.A.T. BARI
 Airport Command of VIBO-VALENTIA



For information : TO the Regia Aeronautica Stato Maggiore.

Date : 12th March 1945

Ref : 421082

W 18/2

18/2

INSTALLATION OF A NAVIGATION RADIO-BEAM AT THE VIBO-VALENTIA AIRPORT

We notify you that following agreements between the Italian and American Air Forces, the above mentioned installation as been decided to be installed at the Vibo-Valentia airport with an Kw areal of American manufacturers.

The fittings are the following :

- a) The fittings of the areal sistem constitute a tralice tower with a latist mast, hight of about 30 metres which at present is installed at the Cghinisia airport (Trapani).
 - b) The transmitting apparatus.
 - c) Two generators for the supply of power.
- The transport and the installation will be carried out by the Allied authorities, the above mentioned Commands are asked to make arrangements in order to carry out the undermentioned works.

Works and Brick Direction IV Z.A.T. Works and Brick Section Sicily Command.

- I. To cleare an area around the areal of about 100 metres. The spot on which the areal will be installed as been already marked during the inspection carried out by an American Officer of the Armed Forces, together with the airport Commander of Vibo-Valentia, and Tenente Zoppi of the Comunication Direction.
 2. Arrange for the construction of a premise, of one floor, according to the attached scheme.
- The premise must be build 50 yards distance from the areal and fitted with hygienic comodities for the personnel. for the construction of premise a lot of material could be salvaged from bombed R.A. Premises.

For information : TO the Regia Aeronautica Stato Maggiore.

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3. Arrange for the connection of an eletric cable with the mains for a supply of 10 Kw.

Comunication Section of the IV Z.A.T.

1. Arrange with own personnel the installation of the transmitter, and of the two generators, feeders of the areal and necessary for the telephone sistem.
2. Send to Trapani and afterward to Vico-Valentia an Officer with the technical experience to supervise the works of mounting and dismounting the mast tower and the other above mentioned works.

(Z)

3. Send to Vibo-Valentia together with the above mentioned Officer the personnel needed for the maintenance of the transmitting apparatus, and give them instructions on the maintenance of the apparatus. The following personnel are needed :

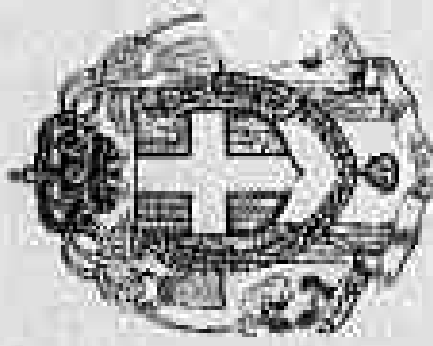
I	N.C.O	Wop. mechanic.
	"	Fitter.
I	LA.C	Wop. mechanic.
I	"	Fitter.

As agreed with the mentioned agreement, the mentioned works are of most urgency and should, in order to start them soon, be carried out by private agreement.

FOR THE MINISTER

Translated by Sgt. Albertini.M.

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Ministero dell'Aeronautica

MINISTERO DELL'AERONAUTICA

Direzione delle Comunicazioni

Prot. N. 1121982

Allegato

OGGETTO

Impianto Radio-faro di navigazione nell'aero-

porto di Vibo-Valentia-.

P.C. STATO MAGGIORE

S E D E

Si rende noto che in seguito ad accordi intercor-
si fra le Forze Aeree Italiane ed Americane, si è con-
venuto di installare presso l'aeroporto di Vibo-Valen-
tia un Radio-faro di navigazione di un KW antenna, di
costruzione Americana. L'impianto nel complesso compor-
terà:

- a) Il montaggio del sistema irradiante costituito da u-
na torre in traliccio auto-irradiante, alta circa
30 metri ed attualmente montata presso l'aeroporto
di Chinisia (Trapani);
- b) L'apparato trasmettente;
- c) N) due gruppi elettrogeni per l'alimentazione.

Tali installazioni saranno fornite sul posto e mon-
tate a cura delle autorità alleate. Gli anti in indiriz-
zo sono invece invitati a disporre per i seguenti lavo-
ri:

Direzione Demanio Sezione demanio IV^a, Z.A.T. e Sezio-
ne Demanio della Sicilia.

1°) Espropriare una zona di terreno intorno all'anten-

Il V.le. Direttore della Direzione a cui si ripresenta

LETTERA FORNITA ALLO STATO

Di. 2 MAR 1942

INDIRIZZI

INDIRIZZI VEDI

RETRO.

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INDIRIZZI VEDI

RETRO.

MINISTERO DELL'AERONAUTICA

Direzione delle Comunicazioni

Prot. n. 21092

Allegato

Disposto al P.N. 3

di

OGGETTO

Impianto Radio-faro di navigazione nell'aeroporto di Vibo-Valentia.

P.C. STATO MAGGIORE

S E D E

Si rende noto che in seguito ad accordi intercorsi fra le Forze Aeree Italiane ed Americane, si è convenuto di installare presso l'aeroporto di Vibo-Valentia un Radio-faro di navigazione di un KW antenna, di costruzione Americana. L'impianto nel complesso comporrà:

a) Il montaggio del sistema irradiante costituito da una torre in traliccio, alto-irradiante, alta circa 30 metri ed attualmente montata presso l'aeroporto di Chinisia (Trapani);

b) L'apparato trasmettente;

c) N) due gruppi elettrogeni per l'alimentazione.

1994

Tali installazioni saranno fornite sul posto e montate a cura delle autorità alleate. Gli enti in indirizzo sono invece invitati a disporre per i seguenti lavori:

Direzione Demanio Sezione demanio IV. Z.A.T. e Sezione Demanio della Sicilia.

1°) Espropriare una zona di terreno intorno all'antenna per un raggio di 100 metri dalla medesima. Il punto in cui verrà eretta la torre è già stato stabilito nel sopralluogo effettuato da un Ufficiale

Mod. 1205



Ministero dell'Aeronautica

IL MINISTRO

Prot. N.°

Allegato

Risposta al p. N.°

del

OGGETTO

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delle Forze Armate Americane, unitamente al Comandante dell'aeroporto di Vibo-Valentia ed al Tenente Zoppi della Direzione Comunicazioni.

2°) costruire un fabbricato in muratura, ad un sol piano, secondo il progetto indicativo allegato. Il fabbricato dovrà sorgere a 50 metri dall'antenna e dovrà essere dotato dei servizi igienici per il personale addetto. La costruzione potrà essere realizzata utilizzando molto materiale da ricupere dalle palazzine aeronautiche distrutte.

3°) In un secondo tempo provvedere all'allacciamento elettrico del fabbricato con linea aerea per un carico di 10 KW.

Sezione Comunicazioni della IV. Z.A.T.

1°) Provvedere a concorrere con proprio personale alla installazione del trasmettitore, dei gruppi elettregeni, degli alimentatori d'antenna e dei collegamenti telefonici necessari.

2°) Inviare a Trapani e poi a Vibo-Valentia un Ufficiale di provata capacità tecnica che assista ai lavori di smontaggio e montaggio della torre auto-irradiante e dei lavori di cui sopra.

3°) Inviare a Vibo-Valentia, unitamente al suddetto Ufficiale

Il Segretario Generale dell'Aeronautica
Il Capo Ufficio per gli Affari Amministrativi e Contabili
Il Capo Ufficio per gli Affari Tecnici

ISTITUTO POLIGRAFICO DELLO STATO

1947
1968

OGGETTO

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delle Forze Armate Americane, unitamente al Comandante dell'aeroporto di Vibo-Valentia ed al Tenente Zoppi della Direzione Comunicazioni.

20) Costruire un fabbricato in muratura, ad un sol piano, secondo il progetto indicativo allegato. Il fabbricato dovrà sorgere a 50 metri dall'antenna e dovrà essere dotato dei servizi igienici per il personale addetto. La costruzione potrà essere realizzata utilizzando molto materiale da ricuperare dalle palazzine aeronautiche distrutte.

30) In un secondo tempo provvedere all'allacciamento elettrico del fabbricato con linea aerea per un carico di 10 KW.

Sezione Comunicazioni della IV^a Z.A.L.

- 10) Provvedere a concorrere con proprio personale alla installazione del trasmettitore, dei gruppi elettrogeni, degli alimentatori d'antenna e dei collegamenti telefonici necessari.
- 20) Inviare a Trapani e Poi a Vibo-Valentia un Ufficiale di provata capacità tecnica che assista ai lavori di smontaggio e montaggio della torre auto-irradiante e dei lavori di cui sopra.
- 30) Inviare a Vibo-Valentia, unitamente al suddetto Ufficiale, il personale addetto alla condotta ed alla manutenzione dell'apparato trasmettente e precisamente, in un primo tempo ed a scopo istruttivo:

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Ministero dell'Armata

IL MINISTRO

Prot. N.º

Allegato

Disposta al f. N.º del

OGGETTO

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Nº 1 Sottufficiale Marconista-meccanico,

" 1 " " Motorista,

" 1 Graduato di truppa Marconista-meccanico,

" 1 " " Motorista.

Dato l'impegno preso con gli accordi già menzionati, i lavori di cui sopra rivestono carattere della massima urgenza e dovrebbero, allo scopo di accelerarne la realizzazione, essere eseguiti mediante trattativa privata. =

FIRMATO IL MINISTRO

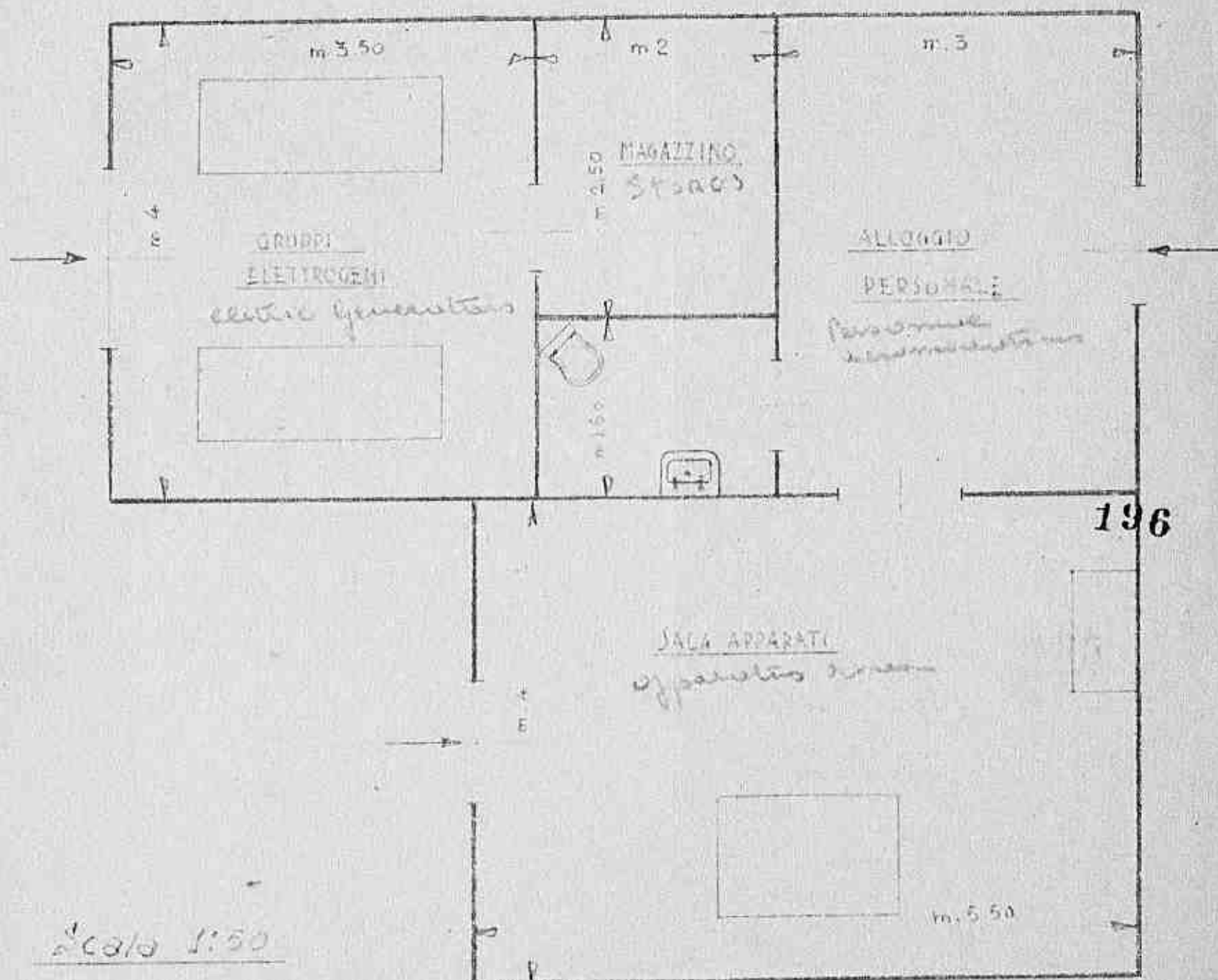
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Il presente foglio è per essere letto in ordine al numero e indicazione delle repliche
il quale è stato fatto in base al numero e indicazione delle repliche

ISTITUTO POLIGRAFICO DELLO STATO

PREMISE FOR THE NAVIGATION. RADIO-BEAM. OF
FABBRICATO PER RADIOFARO DI NAVIGAZIONE

VIBO VALENTIA



file
R E S T R I C T E D

3A

From : Air Forces Sub Commission, A.C., Rome.
To : Air Headquarters, Royal Air Force, Italy.
Date : 17th January 1946.
Ref : AFSC/AIR/S.530/SIGS.

MF D/F SERVICE - REGIA AERONAUTICA.

In response to the telephoned request for particulars of the RA MF D/F stations on 333 Kc/S, the required information is submitted as the attached appendix.

2. The hours of operation of all stations are continuous by day according to the schedule that follows:-

From	21st February	to	10th April	0500-1700
"	11th April	"	31st August	0400-1800
"	1st September	"	5th October	0500-1700
"	6th October	"	14th November	0500-1600
"	15th November	"	20th February	0600-1600

All times G.M.T.

E.W. Freeman 195
E.W. FREEMAN F/LT.
for Air Vice Marshal,
Air Officer Commanding.

RESTRICTED

LOCATION	FREQUENCY RECEIVE 333 ALTERNATIVE TRANSMIT 336 340		COORDINATES
	CONTROL	SATELITE	
BOLOGNA		ILA	44° 32' N. 11° 17' 45" E
BRINDISI	ILI		40° 40' N. 17° 57' E
CAGLIARI	ILE		39° 15' N. 09° 05' E
CATANIA	IMC		37° 30' N. 15° 06' E
ROME (Centocelle) IKO			41° 52' N. 12° 33' E
FOGGIA		IKF	41° 25' N. 15° 32' E
LECCE		ILN	40° 13' N. 18° 10' E
MILAN (Linate) ILY			45° 27' N. 09° 16' E
NAPLES		ILD	40° 51' N. 14° 15' E
PISA		IKI	43° 41' N. 10° 22' E
TRAPANI	Proposed	IKK	---
TREVISO		IKW	45° 40' N. 12° 14' E
TURIN		IMM	45° 03' N. 07° 41' E
VENICE	ILS		45° 26' N. 12° 22' E
VERONA		ILX	45° 28' N. 10° 56' E

OUTGOING SIGNAL2A
File S. 530/sip

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

To : Air Headquarters, Royal Air Force, Italy.

S.141

TOO.1015

8/1/1946

UNCLASSIFIED (.) YOUR S.920 JAN 6 (.) PARTICULARS PALERMO
BROADCASTING STATION CONFIRMED EXCEPT OPERATING TIMES (.)
SCHEDULE IN FORCE IS SUNDAY 0730 TO 0900 (.) 1000 TO 1145 (.)
1230 to 1515 (.) 1700 TO 2335 (.) ALL DAYS EXCEPT SUNDAY
0700 TO 0900 (.) 1030 TO 1100 (.) 1230 TO 1530 (.) 1730 to
2345 (.) ALL TIMES GEORGE MIKE TARE (.)

PRIORITY ROUTINE

193.

E.W.F.

E.W. FREEMAN F/LT.

for AIR VICE MARSHAL

AIR OFFICER COMMANDING.

~~LGJP V LDIL NR122/200 ROUTINE~~

~~QVR~~

FROM AHQ ITALY

TO AIR FORCE SUB COMMISSION ROME ALLIED COMMISSION

GR--- BT

S920 6/JAN UNCLASSIFIED. CAN YOU
CONFIRM THAT BRADCASTING STATION PALERMO POSITION

3807 NORTH 1320E R FREQUENCY 565 KCS

POWER 10 KW IS STILL OPERATING BETWEEN 0600-0800

AND 1200 TO 2359 GMT

BT 061142A

SENT THS B1

RD NR 122 LOJP 1322 DC AR K

C364

S.530/S

192

1997

