

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

785020

ACC

10000/120/1754

X-52

Jul

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

785020

10000/120/1754

X-521/1 Combat Groups Org.

July 1944 - Dec. 1945

REF: X324/1

146

NOTES on Re-organisation of Signals in an Italian Infantry Division.

The following is my proposal for re-organising the Signals personnel in an Italian Infantry Division assuming that the new Division will include :

- 2 Field Regiments
- 1 A/Tk Regiment
- 1 Armoured Car Regiment

and also to make provision for communications to Higher Formation.

1. To have a Major as Commander Signals to be on Div staff. For him to have an Adjutant and a small staff to form a Unit HQ.
2. To form a Div HQ Company commanded by a Major with the following Squads :
 - (a) Coy. HQ Sqd
 - (b) Tele "
 - (c) Radio "
 - (d) Arm'd Car Regt Sqd
 - (e) Engineer Sqd (for small w/t link for Engineers).
3. To form an Arty. Sigs. Coy. commanded by a Capt. with the following Squads:

- (a) Coy HQ Sqd
- (b) 2 Field Regt Squds
- (c) A/Tk Regt Sqd.

The organisation of the Regt. Plns to remain as now but with certain small additions of personnel. These Plns would be under direct command of Commander Signals.

Appendix 'A' shows proposed organisation in detail.

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Squads :

- (a) Coy. HQ Sqd
- (b) Tele
- (c) Radio
- (d) Arm'd Car Regt Sqd
- (e) Engineer Sqd (for small w/t unit for Engineers).

3. To form an Arty. Sigs. Coy. commanded by a Capt. with the following Sqds:

- (a) Coy HQ Sqd
- (b) 2 Field Regt Sqds
- (c) A/Tk Regt Sqd.

The organisation of the Regt. Pns to remain as now but with certain small additions of personnel. These Pns would be under direct command of Commander Signals.

Appendix 'A' shows proposed organisation in detail.

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SUGGESTED M.E. OF AN ITALIAN TOWNHALL DIV SIGS.

Lie

DETAIL	Unit Headquarters	DIV HQ COY						ARMY COY				TOWNHALL			TOTAL ITALIAN TOWNHALL DIV SIGS
		Coy HQ	Radio Sqd	Wireless Sqd	Reece Regt Sqn	R.E. Sqd	TOTAL	Coy HQ	2nd Regt Sqds	A/Regt Sqds	TOTAL	Tele Sqds (2)	Wireless Sqds (2)	TOTAL	
Majors	1	1					1								2
Cpts		1					1	1			1				2
Its	1	1	1	1			3	1	1		2		2	4	10
TOTAL Officers	2	3	1	1			5	1	1		3		2	4	14
W.O's & Sgts	1	5	7	5	1	1	19	2	2	1	7	2	3	10	37
Storeman	1	1					1	1			1				3
Clerks	1	1					1	1			1				3
D.Rs.			12				12		6		12	3		6	30
Draughtsmen		1					1								1
Vehicle Mechanics		1	1	1			3	1			1		1	2	6
Electrician Sigs		3			3		6	1	4		5	1		2	21
Instrument Mchcs		4		2	2		8	1	1		2		4	8	20
Linenmen			15				15	6			12	8		16	43

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W.O's & Sfts	1	5	7	5	1	1	1	1	1	2	2	1	7	2	3	10	31
Storamen	1	1								1			1				3
Clerks	1	1								1			1				3
D.Rs.			12							6			12	3		6	30
Draughtsman		1		1									1		1	2	1
Vehicle Mechanics		1	1										1			2	6
Electrician Sigs		3	3		3					4			13	1		2	28 21
Instrument Mechs		4	4	2	2					1			5		4	8	20 21
Linenmen			15							6			12	8		16	43
Elec.Sigs.Pty Chgs.		2								1			1		1	2	5
Operators - Wireless				30	9	9	46	9		9	14		33		20	40	128 131
Operators - Line			14				14							6		12	26
Cooks			4				4										4
Switchboard Ops				7			7							5		10	17
Ciphers				4			4								2	4	8
Drivers I.C.	3	8	7	8	4	4	31	3	6				15	4	9	26	76 75
Batmen		2					2										2
General Duties		1					1										1
Shoemaker		1					1										1
Medical Orderly		1					1										1
TOTAL Rank & File	5	30	60	41	18	13	162	18	37			12	104	27	37	128	395 399
TOTAL O.Rs	6	35	67	46	19	14	181	20	39			13	111	29	40	138	430 436
TOTAL ALL RANKS	8	38	60	47	19	14	186	21	40			13	114	29	42	142	444 450

50

20

598

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Subject: Reorganization - Italian General Groups
HQ 2 District, CHG
2605/4

444

1. RUC.
3. PLU.
4. RUC.
5. RUC.
6. RUC.
7. RUC.

SIGS.

4 Dec 45.

Ref the reorganization of the command and administration of the Italian Combat Groups.

1. Instructions have been laid down in AFHQ letter AG 091.744 G(SB) dated 22 Nov 45 to MIL, that the Italian units will be self-administering. The following points should be noted in connection with matters normally dealt with by this Branch.

2. Controlled Signal Stores.

All stores will be issued through Italian channels and returns of deficiencies of controlled signal stores will no longer be submitted to this office. All demands made on this office should be cancelled. Controlled signal stores required for use within a ECU HQ will still be demanded in the normal way.

3. Wireless

Frequencies for the combat groups will continue to be issued by this office through PLUs who are requested to pass these on through the local territorial commands.

It is emphasized that frequencies as previously allotted are for use in present locations. This office must be notified as soon as frequencies are no longer required, even the move of a combat group, and frequencies allotted to a combat group in one area should under no circumstances be used in another.

4. Army Code Signs

Code Sign Books and sequence charts will continue to be issued by this office to PLUs for the combat groups.

The Code Sign Book will be issued by the PLU to be longer considered necessary and the following should be noted:

21

Order Signed: _____
 Date: 2 December 2004

500 000 14. 17. 2200000 2000000
N. 5500 5000
2000 2000 2000 2000 2000 2000

7/10/57

2

5

542

5. Addresses are requested to forward this circular without comment. Groups they will be responsible for through the Territorial Commands on the completion of the re-organisation, so that the method of issue of frequencies and code signs can be adjusted to suit the new distribution of commands.

107 2734

[illegible]

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File : X524/1

TO : G1.

Increase of Signals Personnel in Iti. Inf. Div.

<u>Reason for increase</u>	<u>Approx. increase.</u>	
	<u>Offcs.</u>	<u>O.Rs.</u>
1. Divorce Signals Coy from Engr Bn.	3	10
2. Provide Rear Link W/T and P/T from Div HQ and increase in Div HQ personnel		10
3. Increase in Arty.	2	45
4. Inclusion of Arm'd Car Regt.		20
5. Give small wireless layout to Engrs.		15
6. Increase in Regt. Pms.		10
<u>Approx. total increase</u>		<u>110</u>
<u>Approx. present total</u>		<u>327</u>
<u>Approx. proposed W.E.</u>		<u>437</u>



S.O.P. Singh

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20
15
10

5 110

7 327

12 437

Approx. total increase

Approx. present total

Approx. proposed W.E.

R. M. Deen

S.O.R. Sigs,
M. H. I. A.

5421

7 Nov 45.

5. Give small wireless layout to Engrs.

6. Increase in Regt. Plns.

SIGNALS ORGANISATION - ITALIAN INF DIV.

When the WE of the ICCs was first produced in Aug '44, the intention was that they should as far as possible work on their old organisation, but with British equipment, to save time in training etc.. This was, however, soon proved to be impracticable and modifications were introduced within the WE provided.

The following outline of the Sigs organisation of an Italian Combat Group will help to explain the reasons for the suggested amendments to the existing WE.

Comd.

The Signal Coy forms part of the Engr Bn which is commanded by a Lt Col (Engr). Normally the En Comd has little or no knowledge of signals matters, although he has on his En HQ a Lieut who is supposed to be a signals specialist.

There is nothing in common between the Sigs Coy and the rest of the Engrs except that in the Italian army they form part of the same Corps or Service (Genia). This is undoubtedly out of date with modern equipment and organisation. The British Army found this out in 1922.

The Signal Coy is commanded by a Capt and consists of Coy HQ and 4 Pls. Total strength 534.

The Signals Pls duties are as follows :-

No. 1 Pl at Div HQ. Comd by Lieut. Strength 64.
To provide comms fwd to Regts, laterals, locals and link up services where necessary. In the absence of British Rear Link Section, No. 1 Pl will also be responsible for comms to Higher Hqs.

Comms provided are (i) Wireless
(ii) DR
(iii) Line

A Cipher Section is also included.

No. 2 and 3 Pls at Inf Regt Hqs. Comd by Lieut. Strength 62.
To provide comms fwd to Pns and rear link wireless sets to Div HQ. 1st line repair to all signals equipment in Regt.

Advise Comd re comms.

Comms provided as for No. 1 Pl.

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The Signals Pls duties are as follows :-

No. 1 Pl at Div HQ. Comd by Lieut. Strength 24.
To provide comm fnd to Regts, laterals, locals and link up services where necessary. In the absence of British Rear Link Section, No. 1 Pl will also be responsible for coms to Higher Hqs.

Coms provided are (i) Wireless
(ii) DR
(iii) Line

A Cipher Section is also included.

No. 2 and 3 Pls at Inf Regt Hqs. Comd by Lieut. Strength 62.
To provide coms fnd to Bns and man rear link wireless sets to Div HQ.
1st line repair to all signals equipment in Regt.

Advise Comd re coms.

Coms provided as for No. 1 Pl.

No. 4 Pl at Arty Regt HQ. Comd by Lieut. Strength 59.
To provide coms fnd to Btys, man rear link to Div, and such laterals as may be necessary.

To do 1st line repair of siga equipment in Regt, and assist with battery charging when necessary.

Advise Comd re coms.

Coms provided as for No. 1 Pl.

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Coy HQ. Comd by Capt (and 2 Subalterns). Strength 28.
To deal with Coy Admin, and general supervision of Pls.
To carry out what amounts to 2nd line repair of signals equipment.

To assist with battery charging under static conditions.

To hold a reserve of signals equipment and spares, and control distribution of signals controlled stores in the Div.

It is pointed out that this organisation is an entirely new venture for the Italian Army. In their former set up there were no signals Pls with the Regts. DRs and Cipher were part of the Quartiere Generale. There was no Signal Office. In fact, at all levels each method of com worked independently of the others. A Staff Officer or the Chief clerk decided how a message was to be sent, i.e. by wireless, line or DR, and whether it was to be enciphered.

RECOMMENDED AMENDMENTS TO ORG AND WE.

1. Engr Bn. The Engr Bn Comd is normally an Engr only and is not qualified to advise the General on Signals matters, or to command the Sigs Coy.
It is recommended that the Sigs Coy is made into a self accounting unit and divorced, virtually if not on paper, from the Engr Bn.
2. OC Div Sigs. It is recommended that a Staff Officer Signals be added to the Div Staff, and that he should hold the rank of Major, the highest rank at present held in the Sigs set up is Capt, with the result that the Sigs Coy is 'bullied' by all the other higher ranking Officers.
His duties would be the same as for a British OC Div Sigs, i.e., he would advise Comd re coms, issue Signals O.C., diagrams, supervise security, etc.,
In order to qualify for the post of OC Div Sigs he should have commanded a Sigs Coy in an Italian Gruppo or Inf Div (with British equipment) for a period of at least 3 months.
3. Adjt. One Lieut at present on WE of Engr Bn HQ to be transferred to WE of Sigs Coy. He would act as Adjt to OC Sigs, and his duties would include distribution of security signal documents, cipher, codes etc.,
4. Clerical Staff for OC Div Sigs. At least 1 NCO clerk and 1 Pte clerk. A considerable amount of typing and clerical work is involved.
5. Signal Office. There is no provision for this either at Div or Regt Hqs. At Appx 'B' is a statement showing how it may be organised and short comings of present system.
Certain increases in WE of personnel are included in statement at Appx 'A'.
6. Storeman. There is no provision for a central store of Signals equipment for the Div, controlled by OC Div Sigs. This dept could be run by an intelligent NCO and one private, whose duties would be to keep records of units WE and holdings of signals controlled stores, and watch the spares situation. All units indents for Sigs controlled stores would have to come then to this dept.
In a British Div there is a Lt QM and staff to carry out this job.
7. Rear Link. British personnel and equipment will have to be replaced

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3. Adjut. One Ident at present on WE of Engr Bn is to be transferred to WE of Sigs Coy. He would act as Adjut to OC Sigs, and his duties would include distribution of security signal documents, cipher, codes etc.,
4. Clerical Staff for OC Div Sigs. At least 1 JCO clerk and 1 Pte clerk. A considerable amount of typing and clerical work is involved.
5. Signal Office. There is no provision for this either at Div or Regt Hqs. At Appx 'B' is a statement showing how it may be organised and short codings of present system. Certain increases in WD of personnel are included in statement at Appx 'C'.
6. Storesman. There is no provision for a central store of Signals equipment for the Div, controlled by OC Div Sigs. This dept could be run by an intelligent NCO and one private, whose duties would be to keep records of units WE and holdings of signals controlled stores, and watch the spares situation. All units indents for Sigs controlled stores would have to come then to this dept. In a British Div there is a Lt QM and staff to carry out this job.
7. Rear Link. British personnel and equipment will have to be replaced by Italian personnel and equipment.
8. Arty Pl. The Arty Regt has 4 Rd Btys, one A Tk Bty and one AA Bty. The layout and employment of the Sigs Pl would vary according to the employment of the Inf Regts and Arty support required. It is submitted that with the present Org of the Arty Regt it is not possible to produce a stable WE for the Sigs Pl.

RECOMMENDATIONS - WE OF VEHs OF SIGS COY.

1. 4 Wheel drive vehs for Line Laying.

As a result of repeated requests for 4 wh drive vehs for line laying during operations, especially in winter, the WE was altered from 12 x 15 cwt GS to 12 x 15 cwt Armd Personnel. It is now recommended that 12 x 15 cwt GS be reinstated on the WE as the need for 4 wh drive vehs has ceased.

2. Jeeps or Staff Cars.

There are no jeeps or staff cars on the WE of the Sigs Coy, and the CO of the Coy who has to visit his Pls which may be 100 miles apart has only a 15 cwt GS available. Furthermore, if the addition of a Major, CO Div Sigs is admitted, he also will need a car, since his duties will take him to Regts, on reces, etc.,. An addition of 2 cars 5 cwt 4 x 4 or staff cars in lieu is proposed. One 15 cwt GS to be handed in.

Note. During operations 6 jeeps were issued to the Sigs Coy by EIGHTH ARMY, but this number is not now considered necessary.

3. Wireless Trucks.

Two vehicles to carry the two R/L wireless sets which will be required to replace those at present on WE of FLU. The wireless sets should be over 10 watts output, and may be 299 or 399 type which are issued complete with vehicle.

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PROPOSAL FOR A-ED ENT TO WE - SIGS COY PRULL I

Serial No. (a)	E No. (b)	Increase in personnel and vehicles. (c)	Remarks. (d)
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PL/530/1

For Coy HQ Section.

Personnel.

1 Subaltern

1 Sjt Storeman }
1 Sjt " }

1 Sjt Clerk }
1 Sjt " }

2 Arts I.C.

Vehicles.

2 Cars 5 cwt 4 x 4
or Staff Cars

Hand in 1 x 15 cwt
GS 4 x 2.

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APPENDIX 'A'

FOR APPENDIX TO WE - SIGS COY FRIGER INF DIV.

Remarks.

(d)

Reasons for proposed increases.

(c)

From WE of Engr Bn to act as Adj..

To look after technical equipment and
collection and distribution of Sigs
controlled stores.
No provision on WE.

For OC Div Sigs and Adj. Sigs Dept.

For OC Div Sigs and OC Sigs Coy cars,
surplus to present WE.Hand in 1 x 15 cwt
GS 4 x 2.For OC Div Sigs and OC Sigs Coy.
Nothing smaller than 15 cwt on
present WE.

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PROPOSAL FOR A REDEFT TO WE - SIGS COY TRIUMPH II

Serial No. (a)	WE No. (b)	Increase in personnel and vehicles. (c)	Remarks. (d)
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WE/550/1

For Group HQ Pl.

Personnel.

1 Subaltern

6 Wireless Operators

2 ELS clerks

1 Cpl Svbd Operator }
1 Sgmn " " }

2 Dvr I.C.

Vehicles.

~~1 Jeep Trailer~~
2 Wireless Vehs

~~Land in 1 x 15 out 15.~~

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APPENDIX 'A'.

PROPOSAL FOR AN ADJUST TO WE - SIGS COY MIDDLE TWP DIV.

11	Remarks.	Reason for proposed increases.
	(a)	(a)
		One officer in pl not sufficient. OC is frequently with Comd at Tac HQ, making recesses etc, leaving no one to supervise at Main HQ Sigs Office. It must be borne in mind that Italian NCOs cannot be given responsibilities of British NCOs. For additional two wireless sets for R/L. There is no provision on WE for ELS duties, and no formation can function properly without. Fl has at present 4 Sgds and only 1 NCO and 4 Sgms to man them. Wireless vehs for R/L wireless sets. Send in 1 x 15 out 35. For R/L wireless sets.

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PROPOSAL FOR AMENDMENT TO VE - SIGS COY TRIUMPH INT

Serial No. (a)	VE No. (b)	Increase in personnel and vehicles. (c)	Remarks. (d)
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HA/530/1

For Inf Regt Pls (2).

Personnel.

1 Cpl Swbd Operator)
1 Sgmn " ")

For Div HQ Staff.

Personnel.

Major (Genio) Signals.

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APPENDIX 'A'.

SAL FOR APPENDIX TO WE - SIGS COY WRIULI TTF DIV.

Remarks.

(d)

Reason for proposed increases.

(e)

There are 3 Svbd operators on present
WE. Two swbds often necessary.

CC Div Sigs.

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5415

ARMY RECEIVING SIGNAL

221902 A

FROM: AFM

TO: 2 DISTRICT
MIA

INFO: 3 DISTRICT

REF: C 30622

UNCLASSIFIED

PARA ONE : RESPONSIBILITIES FOR COMMAND AND CONTROL OF THE GRUPPI AS BETWEEN DISTRICTS AND MIA REQUIRING CLARIFICATION (.)

PARA TWO : UNTIL RETURNED TO THE CONTROL OF THE ITALIAN GOVERNMENT ALL GRUPPI ARE UNDER ARMED COMMAND AND ARE UNDER OPERATIONAL COMMAND OF TWO DISTRICT (.)

PARA THREE (.) ORGANIZATION AND TRAINING (.) MIA IS RESPONSIBLE FOR THE ORGANIZATION AND TRAINING OF THE GRUPPI (.) MIA WILL ENSURE THAT INSTRUCTIONS ON THESE MATTERS ARE CLOSELY COORDINATED WITH TWO DISTRICT WHERE ANY OPERATIONAL CONSIDERATION MIGHT BE INVOLVED AND WILL ADVISE THE ITALIAN WAR MINISTER AND TWO DISTRICT OVER ACCOMMODATION TO EFFECT WHERE POSSIBLE CONCENTRATION OF GRUPPI FOR TRAINING (.)

PARA FOUR (.) ADMINISTRATION (.) THE GRUPPI ARE AT PRESENT ADMINISTERED BY TWO DISTRICT UNDER THE SUPERVISION OF MIA (.) CONDITIONS COVERING ADMINISTRATION OF THE GRUPPI ARE CONTAINED IN AG LETTER 091.711/160 OCT-0 DATED 16 NOV 44 (.)

PARA FIVE (.) WHEN RETURNED TO THE CONTROL OF THE ITALIAN GOVERNMENT, THE GRUPPI WILL BE AT THE SOLE DISPOSAL OF THE ITALIAN GOVERNMENT (.) THE RESPONSIBILITIES OF MIA TOWARDS THE ITALIAN ARMY AT THIS STAGE WILL FORM THE SUBJECT OF A SEPARATE COMMUNICATION

SD DISTRIBUTION: ACTION : 52/30 - FILE 6/1 - G/TWO - A - G (Two)
62 - G(15) - ME - MIA - MIA - LAB - I - WELFARE -
23 Oct 45

33

SUBJECT: Animal Transport for
Italian Army

SECRET

SIGNAL SECTION, AFHQ

Phone: FREEDOM 557

X 227B

10 May 45

03 (Org)

Copy to: GSO I of C ITALY (Main)
SO II R Sigs MMIA

In. rec.

Ref your ASD/922 of 4 May 45 (not to all).

1. This Section has to consider the transport requirements of the Signal units comprised in

(a) The Combat Groups

(b) The Service Troops

2. Ref (a). Any conversion of the Signal Companies' present transport to animal transport must be pari passu with that of the other formations in each group. Information on the proposed changeover is requested.

3. Ref (b). It is not considered practicable to convert any transport of the Line Sections which are fully employed and are likely to remain so for some considerable time.

[Signature]
Major General,
Chief Signal Officer.

BSD/EG

6413

C O N F I D E N T I A L

SUBJECT : Repair of Signal Equipment within Combat Groups.

Land Forces Sub Commission A.C.
(M.M.I.A.)

X521

30 Apr 45

TO : C.S.O., A.F.H.Q.

1. Reference your X 227A of 26 April 1945 enclosing notes on above from OSC 15 Army Group.
2. I consider the suggestion of forming an 'M' Section to be a sound one: it should finally prove more efficient than the present system. The only point I would raise is the present shortage of Telecomm Mechanics within the REME Sections. It is understood that at present none exist, in which case it might become necessary to transfer some IM's from the Italian Genio of the Groups, on detachment. To make the scheme really workable the provision of workshop vehicles is considered to be essential.
3. Notes of OSC 15 Army Group are returned herewith.


W. CALVELEY, Major,
S. C. R. Sigs,
M. M. I. A.

5412

SUBJECT: Repair of Sig. Copt in Italian GRUPPI

C O N F I D E N T I A L

SIGNAL SECTION, AFHQ

Phone: FREEDOM 557

X 227A

26 Apr 45

SO R Sigs MMIA

1. Attached letter 2821X3 of 24 Apr 45 from CSG 15 Army Gp is forwarded for your comments and return.

ESD/BC

Tronsley Capt
Major General,
Chief Signal Officer.

5411

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Subject: Signal Company - Italian Combat Group

56 MAY
7 SIGS

25 March 45

C.S.O. AFHQ
C.S.O. 15 Army Group
C.S.O. 5th Army
SO. R. Sigs. MIA

Herewith, for information, copy of the Organization of the Signal
Company as in the Combat Group. "ELMIOVA".

In The Field
HEP/cuf

[Handwritten signature]
Lt. Col.
GS

785020

SECRET107 TELE - RADIO COMPANYORGANISATION and LOADING TABLESGROUP HQ PLATOONMotorcycle

Lorry 3 ton T.E.V.

O.C. PlatoonMain Group HQ Signal Office

3 Sergeants (2 Wireless Sgts
1 Line Sgt)
3 Switchboard Operators
3 Registration Clerks
(2 Telegrafisti 1 Maroonisti)
3 Fullerphone and Phonogram
Operators.
(3 Telegrafisti)
2 Telegrafisti for local lines
Driver.

NOTE:-

On a move approx half of the above
personnel must travel in a 3 ton
of Company HQ

Equipment

1 F & F 40 line
1 Test Frame 40 pr
6 Fullerphones
16 Teles Dy
(A number of these will eventually
be fitted in Staff Vehicles)
6 Superposing Coils
Stationery Boxes and Stationery

Lorry 3 ton Cinhor OfficeCinhor Office

NOTE:-

On a move approx half of the above personnel must travel in a 3 ton of Company HQ

Equipment

1 F & F 40 line
1 Test Frame 40 pr
6 Fullermphones
16 Teles Dv
(A number of these will eventually be fitted in Staff Vehicles)
6 Superposing Coils
Stationery Boxes and Stationery

Approx 3 ton Cipher Office

Cipher Office

Personnel

2 Cipher Sergeants
2 Cipher Operators
Driver

Equipment

Cipher Equipment

5410

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Lorry 3 ton 4 x 4 GSRear Group HQ Signal OfficePersonnel

- 2 Sergeants (1 Marconisti, 1 Telegrafisti)
- 1 Corporal (Marconisti)
- 3 Switchboard Operators, (1 withdrawn from Arty Platoon)
- 3 Registration Clerks (3 Marconisti)
- 3 Mullerphone & Phonogram Operators (3 Telegrafisti)
- 2 Telegrafisti for local lines
- Driver

NOTE:-

On a move, approx half of the above personnel must be distributed on other vehicles or carried on a 3 tonner of Company HQ

Equipment

- 2 Switchboards HQ 10 Line
- 2 Frames DAP 10 wire
- 1 Super Unit 31
- 2 Mullerphones
- 18 Teles DV (A number of these will eventually be fitted in Staff Vehicles)
- Stationery Boxes and Stationery

Lorry 3 ton 4 x 4 GSLoad CarrierPersonnel

Vehicle Mechanic
Driver
Any further personnel necessary

Equipment

36 mls D6 Single Cable

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1 Super Unit 3T
2 Fullerphones

18 Toles Dv (A number of these will
eventually be fitted in
Staff Vehicles)

Stationary Boxes and Stationery

Load Carrier

Personnel

Vehicle Mechanic
Driver

Any further personnel necessary.

Equipment

36 mls D8 Single Cable
10 mls W410 Single Cable
1 Drum Barrow
2 Switchboards UC 10 Line } In perriers
4 Fullerphones } Signals
3 Poles Tele Wood
Pickets, Guy Ropes

Charging Lorry and Workshops

Personnel

2 Instrument Mechanic
2 App Telo (Coy HQ Personnel)
2 Electricians (Coy HQ Personnel)
Driver

Equipment

6 Charging Sets 1260 watt
Acid
Funnels
L.M's and Elects
Tools Sets
Electrolyte
Distilled Water
Mineral Jelly
Batteries on Charge

Lorry 3 ton 4 x 4 GS

Lorry 3 ton 4 x 4 GS
(Coy HQ Vehicle)

5409

785020

- 3 -

Line Detachments
No. 1 Detachment (Main Group HQ)

Motor Cycle

Lower 5, top 4 x 4 GS

Line Sergeant

Line Truck

Personnel

4 Line men
 1 Driver

Equipment

Cable Layer Mechanical
 7 mls W140B Twisted Cable
 1 Ladder Field Telegraph
 3 Telos M28
 1 Hammer and Sump
 Crow's Stick
 Poles Tule Wood
 Gags and Pickets
 Picks, Shovels, Spades, Axes,
 Snow Saw
 Insulating Tape.

No. 2 Detachment (Main Group HQ)

Motor Cycle

Lower 15, ext 4 x 4 GS

Line Sergeant

Line Truck

Personnel

4 Line men
 1 Driver

Equipment

1 A.G.L. 3
 5 mls W140 Single Cable
 1 Ladder Field Telegraph
 3 Telos M28

Insulating Tape.

No. 2 Detachment (Main Group HQ)

Motor Cycle

Lorry 15 cart 4 x 4 GS

Line Sergeant

Line Thru:

Personnel

4 Linemen
1 Driver

Equipment

1 A.C.I. 3
5 mls W40 Single Cable
1 Ladder Field Telegraph
3 Tapes ME8
1 Hammer and Juniper
2 Terminal Boxes
Crock Sticks
Police Tole Wood
Guns and Pickets
Picks, Shovels, Spades, Axes
Saw Yarn
Insulating Tape

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No 3 Detachment (Rear Group HQ)Motor CycleTruck 15 cwt 4 x 2 GSLine SergeantLine TruckPersonnel4 Linemen
1 DriverEquipment1 Set Equipment Cable Laying Vehicle
5 mile W140 Single Cable
1 Ladder Field Telegraph
3 Teles EE8
1 Hammer and Jumpers
Crook Stick
Poles Tele Wood
Guys and Pickets
Picks, Shovels, Spades, Axes
Spun Yarn
Insulating Tape.No 4 DetachmentTruck 15 cwt 4 x 2 GSLine TruckPersonnel3 Linemen
1 DriverEquipment1 Barrow, Drum
4 mile W140B Twisted Cable
1 Ladder Field Telegraph
3 Teles EE8
1 Hammer and Jumper
Crook Stick
Poles Tele Wood

No 4 Detachment

Truck 15 cwt 4 x 2 GS.

Line Truck

Personnel

3 Linemen
1 Driver

Equipment

1 Barrow, Drum
4 mls W40B Twisted Cable
1 Ladder Field Telegraph
3 Teles MES
1 Hammer and Jumper
Crook Stick
Poles Tele Wood
Guys and Pickets
Picks, Shovels, Spades, Axes
Spun Yarn
Insulating Tape.

Wireless Detachments

6 Trucks 15 cwt FWW

Wireless Stations

Personnel (each)

3 Wireless Operators
Driver

Equipment (each)

19 Set
4 Batteries Sec Portable 6v 170 AH
1 300 watt Charging Engine on 3 Trucks.

(i) 1 Wireless Sgt to superintend these trucks
(ii) 1 Wireless Sgt to be MT Sgt for the Platoon.

NOTE:-

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Despatch Riders

12 Motorcycles

12 D.R.'s

To be carried on Transport of Company H, C.

1. Personnel of Signal Offices who cannot be carried elsewhere.
2. 1 spare No 19 Set (until fitted in Group Command or Recon Car),
1 R. 107 Receiver (until fitted in Staff Vehicle)

GROUP HQ PLATOON

DISTRIBUTION OF PERSONNEL

DETAIL	TOTAL	MAIN GROUP Hq	TOTAL	REAR GROUP Hq	TOTAL
Wireless Sgt	5	2 for Sig Off 1 for Wireless 1 for M.T.	4	1 for Sig Off	1
Line Sgts	5	2 for Line Det 1 for Sig Off	3	1 for Line Det 1 for Sig Off	2
Cipher Sgts	2		2		
Despatch Riders	12		7		5
Vehicle Mechanics	1		1		
Instrument Mechanics	2		2		
Liaison	15	3 Line Squads	11	1 Line Squad	4
Wireless Operators	24	18 for the 6 Wireless Dets. Main or Rear C.S.			

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DETAIL	TOTAL	MAIN GROUP HQ	TOTAL	REAR GROUP HQ	TOTAL
Wireless Sgt	5	2 for SIG Off 1 for Wireless 1 for M.T.	4	1 for SIG Off	1
Line Sgts	5	2 for Line Det 1 for SIG Off	3	1 for Line Det 1 for SIG Off	2
Cipher Sgts	2		2		
Despatch Riders	12		7		5
Vehicle Mechanics	1		1		
Instrument Mechanics	2		2		
Liaison	15	3 Line Squads	11	1 Line Squad	4
Wireless Operators	24	18 for the 6 Wireless Dets. Main or Rear as required 1 for Registration		1 for SIG Off 2 for Registration	
Line Operators	12	3 for Puller-phones and Phonograms 2 for local lines 2 for Registration	7	3 for Pullerphones and Phonograms 2 for local lines	5
Switchboard Operators	5		3		2
Cipher Operators	2		2		
Drivers	13	For Vehicles as required			

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GROUP HQ PLATOONDISTRIBUTION OF VEHICLES

DETAIL	TOTAL	MAIN GROUP HQ	TOTAL
MOTORCYCLES SOLO	16	1 for O.C. Platoon 2 for Line Sergeants 7 for Despatch Riders	10
TRUCKS 15 cwt 4 x 2 G.	2	1 for Line Det No 4 (Main or Rear as required)	1
TRUCKS 15 cwt FTW	6	For Wireless Dets	
LORRIES 3 ton 4 x 4 GS	3	1 for Load Carrier 1 for Line Det No 1	2
LORRY 3 ton Cipher	1	Cipher Office	1
LORRY 3 ton T.E.V.	1	Signal Office	1
TRUCK 15 cwt 4 x 4 GS	1	Line Detachment No 2	1
LORRY 3 ton 4 x 4 GS (Coy HQ)	1	Charging Lorry and Workshops	1

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GROUP HQ PLATOON

DISTRIBUTION OF VEHICLES

GROUP	TOTAL	REAR GROUP HQ	TOTAL
D.C. Platoon Line Sergeants Despatch Riders	10	1 for Line Sergeant 5 for Despatch Riders	6
Line Det No 4 (or Rear as required)	1	1 for Line Det No 3	1
Wireless Dets			
Load Carrier Line Det No 1	2	1 for Signal Office	1
Office	1		
Office	1		
Detachment No 2	1		
ing Lorry and shops	1		

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ARTILLERY REGT PLATOONMotorcycleLorry 3 ton 4 x 4 GS:O.C. PlatoonSignal OfficePersonnel

2 Sergeants (Wireless Syde)
 1 Corporal (Marconisti)
 3 Switchboard Operators
 3 Fullerphone & Phonogram
 Operators (1 Marconisti,
 2 Telegrafisti)
 2 Telegrafisti for local lines
 Driver

Equipment

2 Switchboards UC 40 line
 2 Frames D&P 40 wire
 8 Teles Dv (A number of these
 will eventually
 be fitted in Staff
 vehicles)
 2 Fullerphones
 2 Superposing Unit Coils
 Stationary Boxes and Stationery

NOTES:-

On a move, surplus personnel of Signal Office must ride in
 other vehicles.

Lorry 3 ton 4 x 4 GSCharging Lorry and WorkshopsPersonnel

1 Electrician
 1 Instrument Mechanic
 1 App Telo
 Driver

NOTES:-

On a move, surplus personnel of Signal Office must ride in other vehicles.

Lorry 3 ton 4 x 4 GS

Charging Lorry and Vehicle

Personnel

1 Electrician
1 Instrument Mechanic
1 App Telo
Driver

Equipment

4 1260 watt Charging Engines
Acid
Electrolyte
Distilled Water
Mineral Jell
Elects and W40 sets
Funnels
Pattories on Chassis
Load Carrier (Line Service)

Lorry 3 ton 4 x 4 GS

Personnel

4 Linemen
Driver

Equipment

20 mls D8 Single Cable
12 mls W40 Single Cable
Poles Tole Wood
2 Drum Barrels

2/.....shoot

will eventually
be fitted in Staff
vehicles)

2 Radiophones
2 Superposing Unit Coils
Stationery Boxes and Stationery

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Truck 15 cwt 4 x 2 GSCipher OfficePersonnel

1 Cipher Sergeant
2 Cipher Operators
Driver

Equipment

Cipher Equipment
Tent Tele

Personnel and Load Carrier

Personnel as necessary
Driver

Equipment

1 spare No 19 Set
(until fitted in Regtl Comdrs
Receiv Car)
1 R 107 Receiver
(until fitted in Staff Vehicle)

Personnel

Personnel as necessary
Vehicle Mechanic
Driver

Line SergeantLine TruckPersonnel

4 Linemen
Driver

EquipmentTruck: 15 cwt 4 x 2 GSTruck 15 cwt 4 x 4 PersonnelLine DetachmentsNo 1 Line DetachmentMotorcycleTruck 15 cwt 4 x 4 GS

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Truck 15 cwt 4 x 4 PersonnelLine DetachmentsNo 1 Line DetachmentMotorcycleTruck 15 cwt 4 x 4 CSPersonnel

Personnel as necessary
Vehicle Mechanic
Driver

Line SergeantLine TruckPersonnel

4 Linemen
Driver

Equipment

1 ACL 3
4 mls W40B Twisted Cable
1 Ladder Field Telegraph
3 Toles HES
2 Terminal Strips
1 Hammer and Jumper
Cordic Sticks
Poles Telo Wood
Guys and Pickets
Pick, Shovels, Spades, Axes
Insulating Tape.
Spun Yarn

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No 2 Line DetachmentMotorcycleTruck 15 cwt 4 x 2 G3Line SergeantLine TruckPersonnel

As for No 1 Detachment

EquipmentAs for No 1 Detachment except
1 Set equipment cable laying
vehicle in place of ACL3

(a)

No Terminal strips

(b)

Wireless Detachments4 Trucks 15 cwt FFWWireless StationsPersonnel (each)3 Wireless Operators
DriverEquipment (each)1 No 19 set
4 Batteries 6v 170 AH
3 Trucks to have one 300 watt
Charging EngineDespatch Riders4 Motorcycles4 Despatch Riders

4 Trucks 15 cwt PW

Wireless Stations

Personnel (each)

3 Wireless Operators
Driver

Equipment (each)

1 No 19 set
4 Batteries 6v 170 Ah
3 Trucks to have one 300 watt
Charging Engine

Despatch Riders

4 Motorcycles

4 Despatch Riders

NOTE:-

1 Sergeant to become M.T. Sergeant for the Platoon.

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INFANTRY PLATOONMotorcycle

Lorry 3 ton 4 x 4 GS

O.C. PlatoonSignal OfficePersonnel

- 1 Sergeant
- 2 Corporals (Marconists)
- 3 Switchboard Operators
- 3 Fulltime and Phenomenon Operators (Telegraphists)
- 3 Telephonists for Local Lines
- Driver

Equipment

- 2 Switchboards UC 10 line
- 2 Frames D & P
- 12 Telephones
- 6 Super Coils
- 6 Fulltime Operators
- Stationary Boxes and Stations

Charging Lorry and WorkshopsPersonnel

- 1 App. Tele
- 1 Electrician
- 4 Instrument Mechanics
- Driver

Equipment

- 4 1260 Charging Engines
- Acid
- Distilled Water
- Electrolyte
- Mineral Jelly
- Funnel

Lorry 3 ton 4 x 4 GS

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6 Pullerphones
Stationary Boxes and Stations.

Charging Lorry and Workings

Personnel

1 App Telo
1 Electrician
4 Instrument Mechanics
Driver

Equipment

4 1260 Charging Engines
Acid
Distilled Water
Electrolyte
Mineral Jelly
Funnels
Elects and I.M.S. Tools
Batteries on Charge

Load Carrier (Line Stores)

Vehicle Mechanic
Driver

Equipment

20 mls D6 Single Cable
12 mls W440 Single Cable
Polish Tels Wood

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Load Carrier and Personnel

Personnel as necessary
Driver

Equipment

2 Spare No 19 Sets
(one will eventually be fitted into
Regimental Commanders Room)
1 R 107 Receiver
2 Burrows, Drum

Lorry 5 ton 4 x 4 GS

Lorry 2 ton 4 x 4 GS

Lorry 5 ton 4 x 4 GS

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Line DetachmentNo 1 Line DetachmentMotorcycleTruck 15 cwt 4 x 4 GSLine SergeantLine TruckPersonnel4 Lineman
DriverEquipment

1 ACU 3
 4 mls W40B Twisted Cable
 3 Teles EES
 1 Ladder Field Telegraph
 1 Hammer and Jumper
 Crook Sticks
 Poles Tele Wood
 Guys and Pickets
 Picks, Shovels, Spades, Axes
 Spun Yarn
 Insulating Tape
 2 Terminal Strips

No 2 Line DetachmentTruck 15 cwt 4 x 2 GSLine TruckPersonnel

1 Line Sergeant
 4 Lineman
 Driver

Equipment

As for No 1 Line Detachment,

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Picks, Shovels, Spades, Axes
 Spun Yarn
 Insulating Tape
 2 Terminal Strips

No 2 Line DetachmentTruck 15 cab 4 x 2 GSLine TruckPersonnel

1 Line Sergeant
 1 Lineman
 Driver

Equipment

As for No 1 Line Detachment,
 Less Terminal strips
Cipher Truck

Personnel

1 Cipher Sergeant
 2 Cipher Operators
 Additional personnel as necessary
 Driver

Equipment

Cipher Equipment
 Tent Telo

Personnel

Personnel as necessary
 Driver

5400

Truck 15 cab 4 x 4 Personnel

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Wireless Stations

5 Trucks 15 cwt PW

Wireless Stations

Personnel (each)

3 Wireless Operators
Driver

Equipment (each)

No 49 Set
3 trucks with 1 300 watt
Charging set each.

NOTE:-

1 Sgt to superintend Wireless

Despatch Riders

2 Motorcycle

2 D.R's

Spare Personnel

3 Operators for Commanders Recon

NOTES:-

1. 1 Sergeant to become M.T. Sgt for the Platoon.

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Spare Personnel

3 Operators for Commanders Recon

NOTES:-

1. 1 Sergeant to become M.T. Sgt for the Platoon.

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SIGNAL PLAN

SECRET

36 MIN

4 Sigs

22 March 43

1. Herewith Signal Plan for Combat Group "MANTOVA".
2. This plan has been produced after discussions with Regimental, Battalion, and Battery Commanders and Staff.
3. The plan is based upon the actual G4093 Scale of Signal Equipment, and shows what is considered to be the best use of this Equipment.
4. As agreed at the discussions, further telephone and line material is considered essential. This has been requested.
5. This plan is intended to act as a guide to the use of Signal Equipment during training and Operations.
6. It is requested that it be distributed down to Infantry Battalions and Artillery Batteries (Groups).

In The Field.
IDRP/cv

Distribution:-

HQ, Combat Group "MANTOVA" 2
G
DAQ
R.A.
Trg Inc 8
CSO AFHQ
CSO 15 Army Group

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In The Field.
IDBP/cif

Distribution:-

1. HQ, Combat Group "MANTON" 2
G
DAQ
R.A.
Trg Inc B
CSO AFHQ
CSO 15 Army Group
CSO 8 th Army
SO. R. Sigs. M.M.I.A.

6. It is requested that it be distributed down to Infantry Battalions and Artillery Batteries (Groups).

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SECRETCOMBAT GROUP "MANTOVA"SIGNAL PLANA. SIGNAL COMPANY1. General

- (i) The G4058 Scale allows twenty - six No 19 Sets for the Signal Company

(ii) It is not considered that this scale of sets allows sufficient for the Infantry Regt Platoons. It has therefore been decided to issue the Signal Company with two sets above the allotted scale making a total of twenty - eight No 19 Sets in the Company.

These sets will be found from the forty - five sets allotted to the Artillery Regt, as it is felt that this allotment is more than adequate. The Artillery Regt will therefore be issued with forty - three No 19 Sets.

- (iii) It has been decided to distribute sets to platoons as under:-

7 No 19 Sets
5 No 19 Sets
6 No 19 Sets

Group HQ Platoon
Artillery Regt Platoon
Each Infantry Regt Platoon

2. Group HQ Platoon(a) Wireless

- (i) Appendix 'B' attached shows the suggested Wireless Layout to be provided by the Signal Company.

- (ii) Group HQ Platoon should provide sets as noted hereunder:-

- (a) Control Set at Group HQ
(b) Group Commander's Reconn Set.

- (iii) Further commitments which may have to be met are as under:-

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(iii) It has been decided to distribute

Group HQ Platoon
 Artillery Regt Platoon
 Each Infantry Regt Platoon

7 No 19 Sets
 5 No 19 Sets
 8 No 19 Sets

2. Group HQ Platoon.(a) Wireless

(i) Appendix 'B' attached shows the suggested wireless layout to be provided by the Signal Company.

(ii) Group HQ Platoon should provide sets as noted hereunder:-

- (a) Control Set at Group HQ
- (b) Group Commanders Rocco Set.

(iii) Further commitments which may have to be met are as under:-

- (a) Lateral Link Set
- (b) Group Commanders O.P.
- (c) Second Forward Control Wireless Net
- (d) Wireless Link Main - Rear Group HQ.

(iv) It is however essential that what ever further commitments are required a minimum of two spare sets must be kept by the Platoon.

(a) Line

(i) Appendix 'C' attached shows the suggested line layout to be provided by the Signal Company.

(ii) Lines should be laid from Group HQ to Regts and between Main and Rear Group HQs.

(iii) Telephone should be worked on all the above circuits.

(iv) Appendix 'A' attached shows the allotment of telephones at HQs served by the Signal Company.

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(c) Signal Offices and E.L.S.

- (i) Group HQ Platoon should man Signal Offices at Main and Rear Group HQ.
- (ii) E.L.S. should be provided between Main Group HQ and Regts and between Main and Rear Group HQs.

3. Artillery Regt Platoon.(a) Wireless

- (i) The scale of Wireless Sets for the Platoon is five No 19 Sets.
- (ii) The Platoon should provide sets noted hereunder:-
 - (a) Control Set at Regt HQ for Field Bty Net.
 - (b) Commanders Reconn Set.
 - (c) Control Set at Regt HQ for A Bty and A/Tk Bty Net.
(If this net is required)
- (iii) All Btys should provide their own Rear Link sets.
- (iv) On this scale the Signal Platoon will have two spare No 19 Sets.

(b) Line

- (i) Line communication should be provided from Regimental HQ to each Field Bty, and to Ia and A/Tk Btys if required.
- (ii) If necessary a Pullerphone circuit should be worked from Artillery Regimental HQ to Main Group HQ.

(c) Signal Office

- (i) The Signal Platoon should man the Signal Office at Artillery Regimental HQ.

4. Infantry Regt Platoon(a) Wireless

- (i) The scale of Wireless Sets for the Platoon is eight No 19 Sets.

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(i) Line communication should be provided from Regimental HQ to each Field Bty, and to JA and A/Tz Btys if required.

(ii) If necessary a Fullerphone circuit should be worked from Artillery Regimental HQ to Main Group HQ.

(c) Signal Office

(i) The Signal Platoon should man the Signal Office at Artillery Regimental HQ.

4. Infantry Regt Platoon

(a) Wireless

(i) The scale of Wireless Sets for the Platoon is eight No 19 Sets.

(ii) The Platoon should provide sets as noted hereunder:-

- (a) Control Set at Regimental HQ. (For Battalion Net)
- (b) Rear Link Set at Regtl HQ.
- (c) Commanders Recco.
- (d) Rear Link Set at each Infantry Battalion. **5093**

(iii) On this scale six sets are in use and two remain spare.

(b) Line

(i) Line communication should be provided from Regimental HQ to each Battalion.

(ii) Fullerphones should normally be worked on all these circuits.

(iii) If required, line communication may be provided to the Regimental Support Coy HQ.

(c) Signal Office

(i) The Signal Platoon should organise and man a Signal Office at Infantry Regimental HQ.

(2) Page 3 / sheet

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(d) Regimental Mortar Company

The Signal Platoon with Infantry Regimental HQ must provide such line communication as may be required for the Regimental Mortar Platoon.

This is shown in detail in Para '3' below.

F. ARTILLERY1. Field Battery(a) Wireless

(i) The G1008 for a Field Battery allows:-

No 19 Set 2
No 18 Set 3

(ii) Appendix 'D' attached shows suggested Wireless Layout for a Field Battery.

(iii) Sets should be allotted as noted hereunder:-

No 19 To the Battery Commander
Set To each Troop C.O.
To each C.O.C.
To Battery HQ (Day Post)
Near Link Set to Regiment

No 18 For the use of the Battery Commander and/or Troop C.O.'s
Set for communication with the Infantry.

(iv) On this main set of the No 18 Sets are in use, leaving the spare.

It is unlikely that more than two No 18 Sets will be in use at any one time. Initially one in reserve.

(b) Line

(i) The G1008 allows:-

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(ii) Appendix 4B attached shows suggested wireless layout for 2 Field Battery.

(iii) Sets should be allotted as noted hereunder:-

No 19 To the Battery Commander
Set To each Troop C.P.
To each C.I.O.
To Battery HQ (Dty Capt)
Near Link Set to Regiment.

No 18 For the use of the Battery Commander and/or Troop C.P.'s
Set for communication with the Infantry.

(iv) On this scale seven of the No 19 sets are in use, leaving two spare.

It is unlikely that more than the No 18 sets will be in use at any one time, leaving one in reserve.

(b) Line

(1) Two M098 allions:-

12 Field Dr
1 40 Line Exchange
2 Switches 3 way R. 4.
10 Lines Centre
2 Apr Cable between 10 & 1
4 Apr Cable between 10 & 2

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(ii) Appendix 4B attached shows the suggested line layout for a Field Battery.

(iii) There should be one mainline circuit between Bty HQ and GPO and this communication should be facilitated by lines from the Exchange to each HQ and by a lateral line to GPO's.

(iv) From each GPO line should be laid forward to Troop C.P.'s.

(v) On this scale nine telephones and two switches 3 way are in use, leaving three telephones spare. If switches 3 way are not available, eleven telephones will be in use.

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(c) Personnel

The W.E. of Signallers is Thirty six Wireless Operators and twenty nine Linemen - Telephonists. This is considered adequate.

From the Officers trained at ALMAVILLA Signal School it should be possible to have one Signal Officer per Field Battery. This Officer will be responsible for all communications within the Battery.

2. Anti - Tank Battery.(a) Wireless

(i) The G4098 Scale for the Anti - Tank Battery allows :-

No 19 Sets	4
No 18 Sets	5

(ii) Appendix 'I' attached shows the suggested Wireless Layout for the Anti - Tank Battery.

(iii) It is estimated that a Wireless Net will be worked from Bty HQ to each Troop. Each Troop will have a No 18 Set for communication with the Infantry.

(iv) Sets with Troops may be worked in Carriers.

(v) The Fourth No 19 Set may be used as a Rear Link set to Regiments if required.

(b) Line

(i) NO internal line layout should be required.

(ii) The Battery HQ may be linked up by telephone to the Regimental Exchange, if required, by the Signal Platoon.

(c) Personnel

(i) The W.E. of sixteen Wireless Operators is considered adequate.

3. Anti - Aircraft Battery(a) Wireless

- (iv) Sets with Troops may be worked in.
- (v) The fourth No 19 Set may be used as a Rear Link set to Regiment, if required.

(b), Line

- (i) NO internal line layout should be required.
- (ii) The Battery HQ may be linked up by telephone to the Regimental Exchange, if required, by the Signal Platoon.

(c) Personnel

- (i) The V.L. of sixteen Wireless Operators is considered adequate.

3. Anti - Aircraft Battery

(a) Wireless

- (i) The G109B allows four No 19 Sets for this Battery
- (ii) Appendix 'E' attached shows suggested Wireless Layout.
- (iii) It is estimated that a Wireless Net will be worked from Bty HQ to Troops. One set may be provided as a Rear Link Set to Regiment, if required.

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(b) Line

As for Anti - Tank Battery.

(c) Personnel

- (i) The V.L. of sixteen Wireless Operators is considered adequate.
- (ii) The five Liaison/Telzphonists will probably be unnecessary and may be used elsewhere within the Regiment.

4. General

It should be remembered that, as stated in Para 1(a) above, two of the total of forty-five No 19 sets allotted to the Artillery Regiment will actually be issued to the Signal Company. It is felt however that the allotment of sets to the Regiment is sufficient to allow for this.

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C. INFANTRY1. Infantry Battalion(a) Wireless

(i) The G4098 scale allows Thirteen No 18 Sets per Infantry Battalion.

(ii) Appendix 'F' attached shows the suggested Wireless layout for the Infantry Battalion.

(iii) Wireless Sets should be allotted as noted hereunder:-

To Battalion HQ
Each Rifle Company
Battalion O.P.
G.O's Hedges
Mortar Platoon (two sets)
Mortar O.P.
Battalion Services.

(iv) On this scale ten sets are in use leaving 3000 spares. It is considered that three spare sets per Battalion are essential.

(v) Two frequencies are in use in the Battalion, one for the Battalion Command Net and one for the link from the Mortars to the Mortar O.P.

(vi) Although the Battalion Command Net operates on 4495, the only sets likely to work to any extent are the remaining two Company's forward, the Mortar Platoon and the G.O's Hedges.

(b) Line

(i) G4098 scale allows :-

Teles Tr	6
10 Line Exchange	1
Fullerences	5
Superposing Coils	1
App Cable Laying No 2	4
Cable	17 miles

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(v) Two telephones are in use in the Battalion Command Post and one for the line from the Battalion to the Mortar O.P.

(vi) Although the Battalion Command Post is in use, only sets likely to work to any extent are the sets with two cameras forward, the Mortar Platoon and the C.O.'s Reserve.

(b) Line

(i) G4000 cable allows :-

Teles Ex	6
10 Line Exchange	1
Fullerphones	5
Superposing Coils	1
Arm Cable Laying No 2	4
Cable	17 miles

(ii) Appendix 'E' attached shows the suggested line layout for the Infantry Battalion.

(iii) Telephones should be allotted as follows :-

To each Rifle Company Forward
the Battalion O.P.
the Mortar Platoon (two telephones)
the Mortar O.P.
the O.C. and Adjutant
the Battalion Services or Reserve Company

500

(iv) Five Fullerphones are not considered necessary for an Infantry Battalion. Only one Fullerphone will actually be in use, working on the line to Forward Platoon. Each Battalion will therefore be issued with two Fullerphones and the surplus Fullerphones will be issued to the Signal Company.

(c) Personnel

The N.B. allows two Operators per 10 sets and twenty-five Linemen/Telephonists in the Infantry Battalion. This is considered adequate.

The Battalion Signal Officer will be responsible for all communications within the Battalion.

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(a) General

The material available will only allow duplicate communication (i.e. Wireless and Line) to one Mortar O.P. It is considered however that the Mortar Platoon can function with one O.P. only.

No communication can be provided from existing resources for the A/Tk Platoon.

2. REGIMENTAL MORTAR COMPANY(a) General

The Signal material available for this Company will only allow communication for one O.P. per Mortar Platoon.

No communication can be provided from existing resources for the 6 inch Gun Company.

(b) Wireless

- (i) The G4098 allows seven No 15 Sets for the Regimental Mortar Company.
- (ii) Appendix 'G' attached shows the proposed Signal Layout for the Mortar Company.
- (iii) Sets are allotted as noted hereunder:-

- (a) To Mortar Company HQ.
- (b) To each Mortar Platoon (one per Platoon)
- (c) To each Mortar O.P. (one per Platoon)

- (iv) The existing scale of sets will not allow a Rear Link set from the Mortar Company HQ unless Company HQ is sited with one of the Mortar Platoons when the Company HQ set may be used as a Rear Link. This is however an 18 Set and if used as a Rear Link, Company HQ must be near either Regimental or Battalion HQ.

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- (i) The G4098 allows seven No 10 sets for the Regimental Mortar Company.
- (ii) Appendix 'G' attached shows the proposed Signal Layout for the Mortar Company.
- (iii) Sets are allotted as noted hereunder:-
- (a) To Mortar Company HQ.
 - (b) To each Mortar Platoon (one per Platoon)
 - (c) To each Mortar C.P. (one per Platoon)
- (iv) The existing scale of sets will not allow a Rear Link set from the Mortar Company HQ unless Company HQ is sited with one of the Mortar Platoons when the Company HQ set may be used as a Rear Link. This is however an 18 set and if used as a Rear Link, Company HQ must be near either Regimental or Battalion HQ.
- (c) Line.
- (i) No special allocation has been made on the G4098 for Telephones for the Regimental Mortar Company. Telephones required must therefore be provide by the Signal Platoon attached to Regimental HQ.
- (ii) It is estimated that telephones as under will be required:-
- (a) Two telephones to each Platoon.
(one for Mortar position and one for the C.P.)
 - (b) One telephone for use on lateral lines between Platoons.
 - (c) One telephone for Company HQ.
- (iii) On this scale six telephones are required.

In The Field.
IDRP/cwf

For 713 Platoon Capt
Lt Col.
GS.

785020

APPENDIX

DISTRIBUTION OF TELEPHONES at H.Q.'s

A. Main Group H.Q.

(a) Telephones available:- Signal Company 16
Rear Link Signals 4

(b) Allotment of Telephones1. Combat Group

Commander 1
Chief of Staff 1
'G' Office 2
Camp Commandant 1
Engineer Bn HQ 1
Signal Office 2
Public Phone 1
Total in use 2
Spares 1

2. B.L.U.

G I }
G II } 1
SO. R. E. }
SO. R. Sigs } 1
Signal Office } 2

B. Rear Group HQ

(a) Telephones available:-

Signal Company 18
Rear Link Signals 4

(b) Allotment of Telephones1. Combat Group

Q(ops) 1
'G' Branch 1
Medical 1
S F 1
Camp 1
Engineers 1

Signal Office 2
Public Phone 1
OC. DIA 1
ST Company 1
Ord. Dump (Depot Mobile) 1
HQ Military Police 1
Total in use 15
Spares 5

2. B.L.U.

DIA & QMG }
DIPST }

785020

(b) Allocation of Telephones

1. Combat Group

Q(ops)	1	Signal Office	2
1st Branch	1	Public Phone	1
Medical	1	OC. Mail	1
S F	1	ET Company	1
Camp	1	Ord Dump (Depot Mobile)	1
Engineers	1	EQ Military Police	1
		Total in use	13
		Spare	5

2. P.L.U.

DAA & QMG	1
DADST	1
DADOS	1
SO P.A.U.E.	1
Signal Office	1

5291

2/.....sheet

785020

-2-

C. Further telephone requirements which may have to be met from spare telephones of Group HQ are as under:-

- (i) Engineer Field Companies
- (ii) T.C.P's

D. Artillery Regimental HQ

(a) Telephones available 8

(b) Estimated requirements

- (i) 2/12 Battery 1 } if necessary.
- (ii) Regimental HQ Echelon 1 }
- (iv) Telephones for Staff 5 }

This leaves two spare telephones.

E. Infantry Regimental HQ

(a) Telephones available 12

(b) Estimated requirements

- (i) Regimental HQ/Staff Company 1
- (ii) Battalion HQ Echelon 1
- (iii) 2nd Bn. 1
- (iv) Regimental Q.P. 1
- (v) Telephones for staff 4

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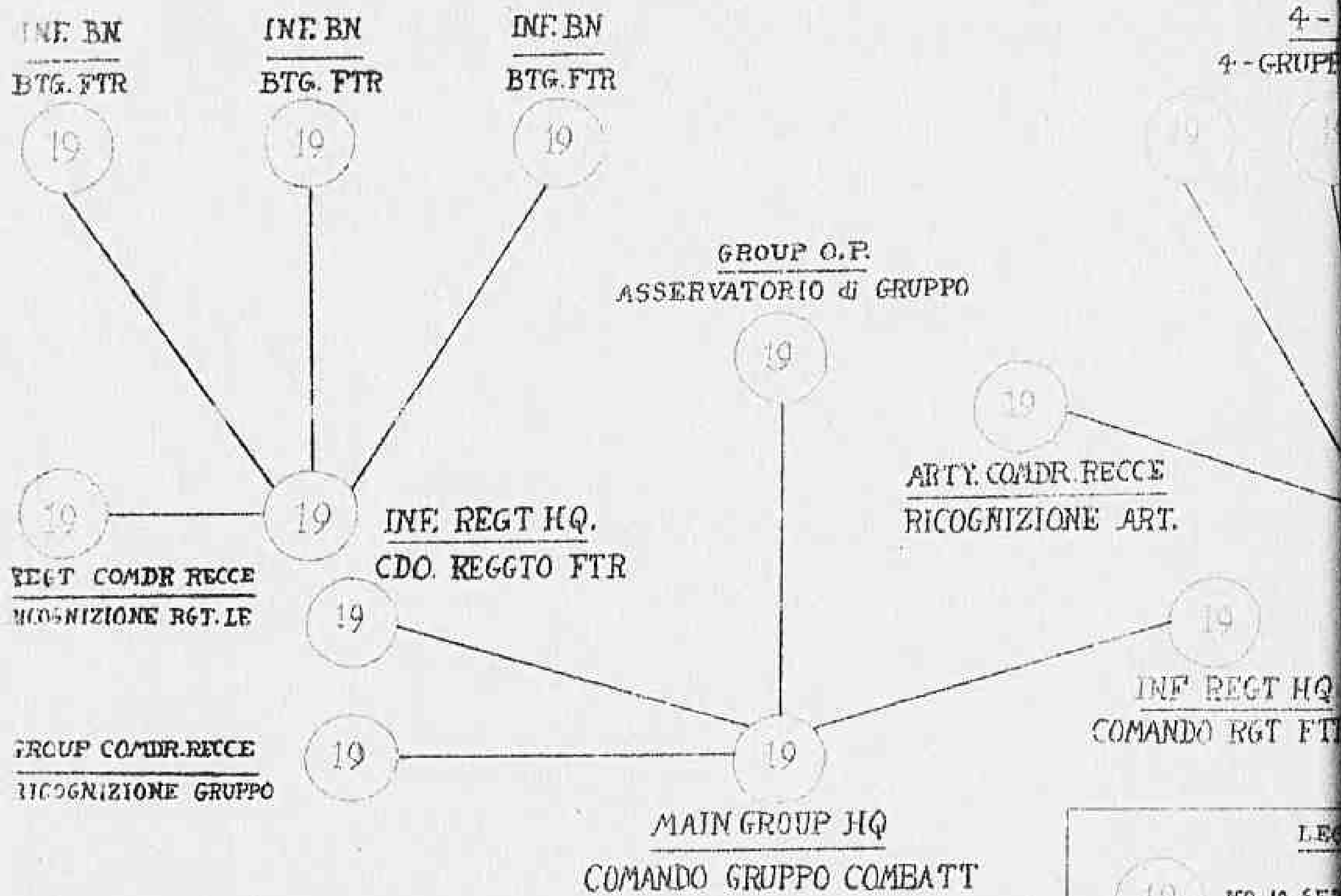
5000

Revised and Updated Copy
Dated 11/1/80
L.L.D.
Revised and Updated Copy
Dated 11/1/80
L.L.D.
Revised and Updated Copy
Dated 11/1/80
L.L.D.
Revised and Updated Copy
Dated 11/1/80
L.L.D.

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MAIN GROUP HQ. ARTY AND INF REGIMENT
WIRELESS LAYOUT

COMANDO TATTICO GRUPPO REGGIMENTI ARTIGLIERIA
GRAFICO COLLEGAMENTI RADIO



Y GROUP HQ. ARTY AND INF REGIMENTS
WIRELESS LAYOUT

APPENDIX - B
ALLEGATO - B

TATTICO GRUPPO REGGIMENTI ARTIGLIERIA - FANTERIA
GRAFICO COLLEGAMENTI RADIO

4 - FIELD BTYS

AA BTY

A/Tk BTY

4 - GRUPPI DA CAMPAGNA

GRUPPO CONTROAEREO

GRUPPO ANTI-CARRO

GROUP O.P.
SERVATORIO di GRUPPO

ARTY. COMDR. RECCE
RICOGNIZIONE ART.

ARTY REGT HQ.
CDO. RGT ART

INF REGT HQ
COMANDO RGT FTR

IN GROUP HQ
O. GRUPPO COMBATT

LEGEND

LEGGENDA



NO 19 SET OPERATED BY SIGNAL COY.
APPARATO N° 19 MANOVrato DALLA CP. COLLEGAMENTI.

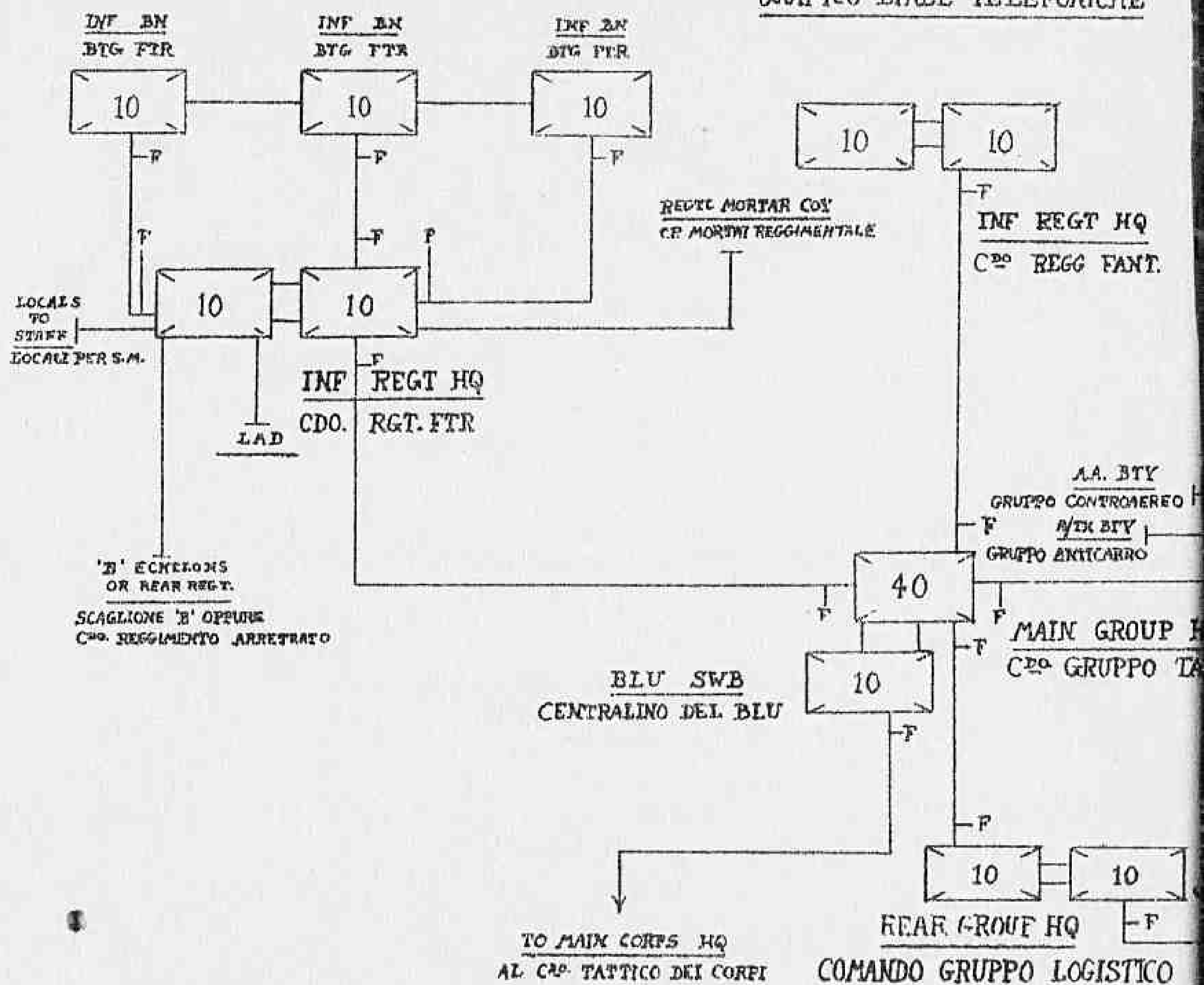


NO. 19 SET OPERATED BY REGTL SIGNALIZERS.
APPARATO N° 19 MANOVrato NEGLI ORGANI DI COLLEGAMENTO REGT-AT

785020

LINE LAYOUT

GROUP HQ (MAIN AND REAR) INFANTRY AND ARTY
 COMANDO GRUPPO (TATTICO e LOGISTICO) REGGIMENTI FANTERIA
 GRAFICO LINEE TELEFONICHE

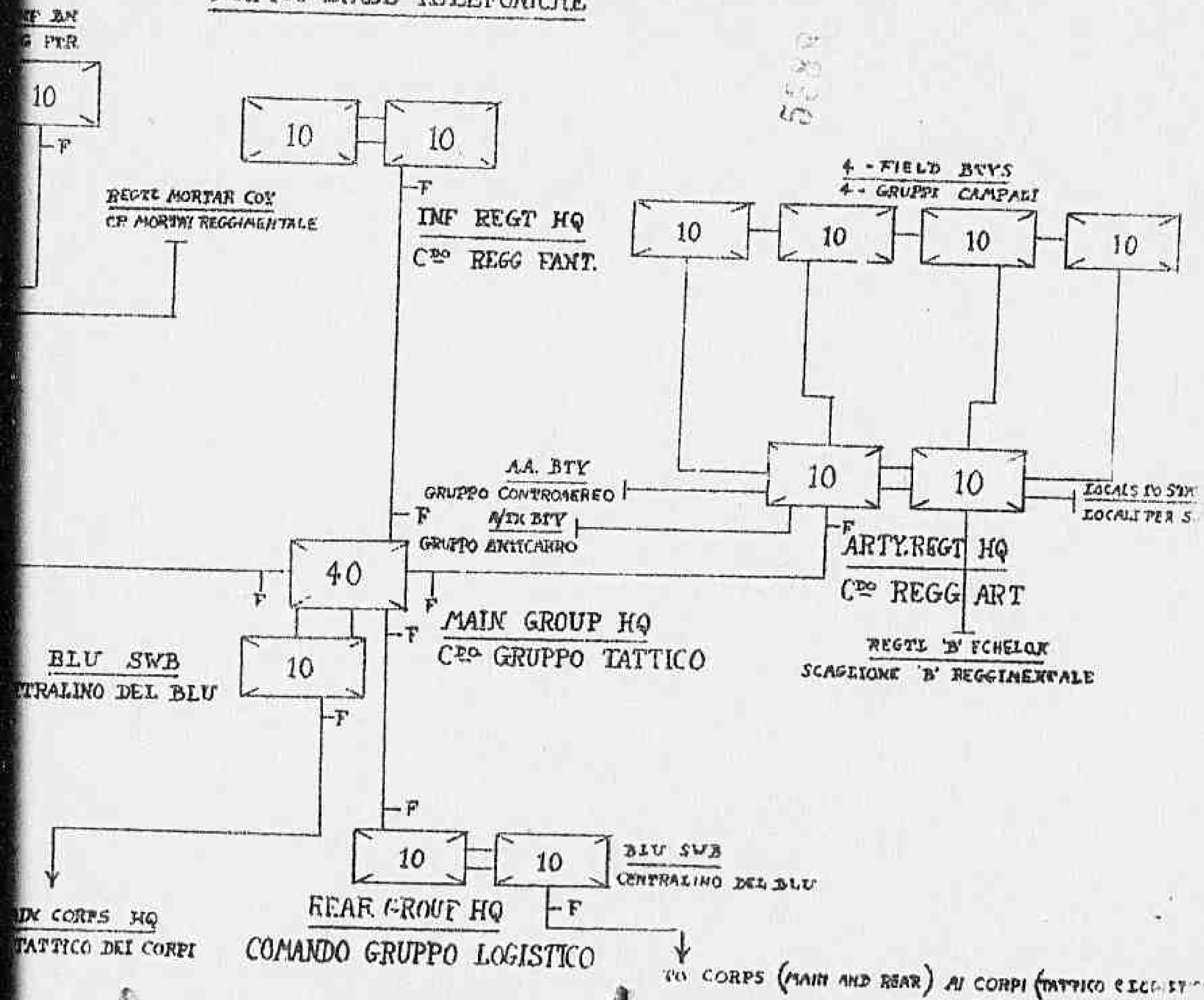


LINE LAYOUT

HQ (MAIN AND REAR) INFANTRY AND ARTY REGTS

(TATTICO e LOGISTICO) REGGIMENTI FANTERIA e ARTIGLIERIA
GRAFICO LINEE TELEFONICHE

APPENDIX - C
ALLEGATO - C



785020

ART
GRUPPA[illegible]

6. The function $f(x)$ is
 $f(x) = 2x^2 - 4x + 3$
 Find $f(1)$.
 7. The function $f(x)$ is
 $f(x) = 2x^2 - 4x + 3$
 Find $f(1)$.

785020

ARTILLERY FIELD BTY
LINE LAYOUT
GRUPPO ARTIGLIERIA CAMPA
GRAFICO DI LINEE

REVISIONE - D
AUTORE

5
C.D. ART. COM. 10
C.D. GRUPPO

TR. UP
MOSPO INTERSECTION R. DAVANNA

DIR. PISTE ARRETR. DI SANVALE

C.D. 10
MOSPO INTERSECTION R. DAVANNA

DIR. PISTE ARRETR. DI SANVALE

DIR. PISTE ARRETR. DI SANVALE

DIR. PISTE ARRETR. DI SANVALE

10

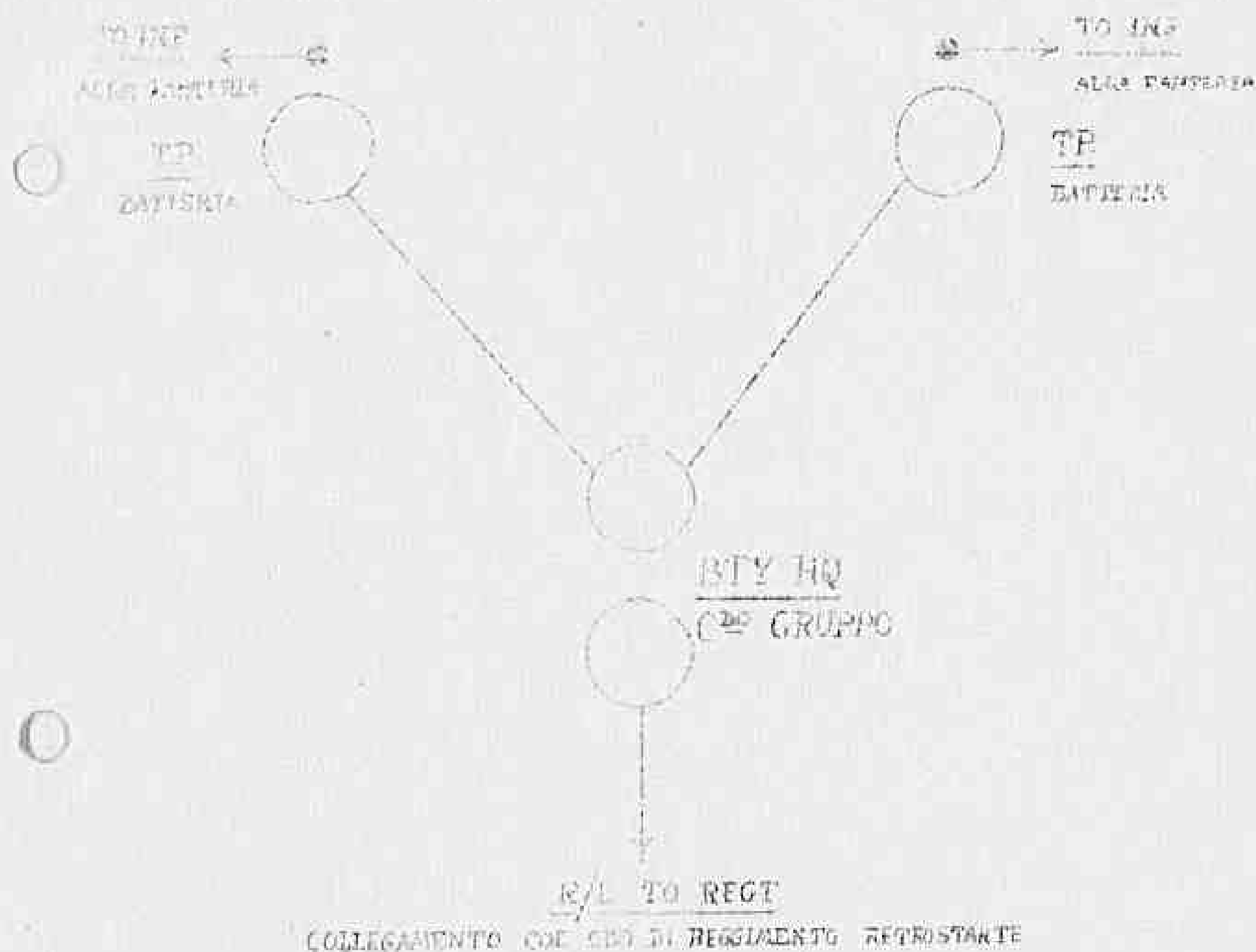
LEGENDA
1. PISTE ARRETR. DI SANVALE
2. PISTE ARRETR. DI SANVALE
3. PISTE ARRETR. DI SANVALE
4. PISTE ARRETR. DI SANVALE

LEGENDA
1. PISTE ARRETR. DI SANVALE
2. PISTE ARRETR. DI SANVALE
3. PISTE ARRETR. DI SANVALE
4. PISTE ARRETR. DI SANVALE

785020

ARTILLERY ANTI-TANK BTY
WIRELESS LAYOUT

GRUPPO ARTIGLIERIA ANTI-CARRO
GRADICO COLLEGAMENTI RADIO



LEGENDA

NO 19 SET
NO 18 SET
DETAILS
4 - NO 19 SETS IN USE
2 - NO 18 SETS IN USE
1 - NO 18 SET SPARE

LEGENDA

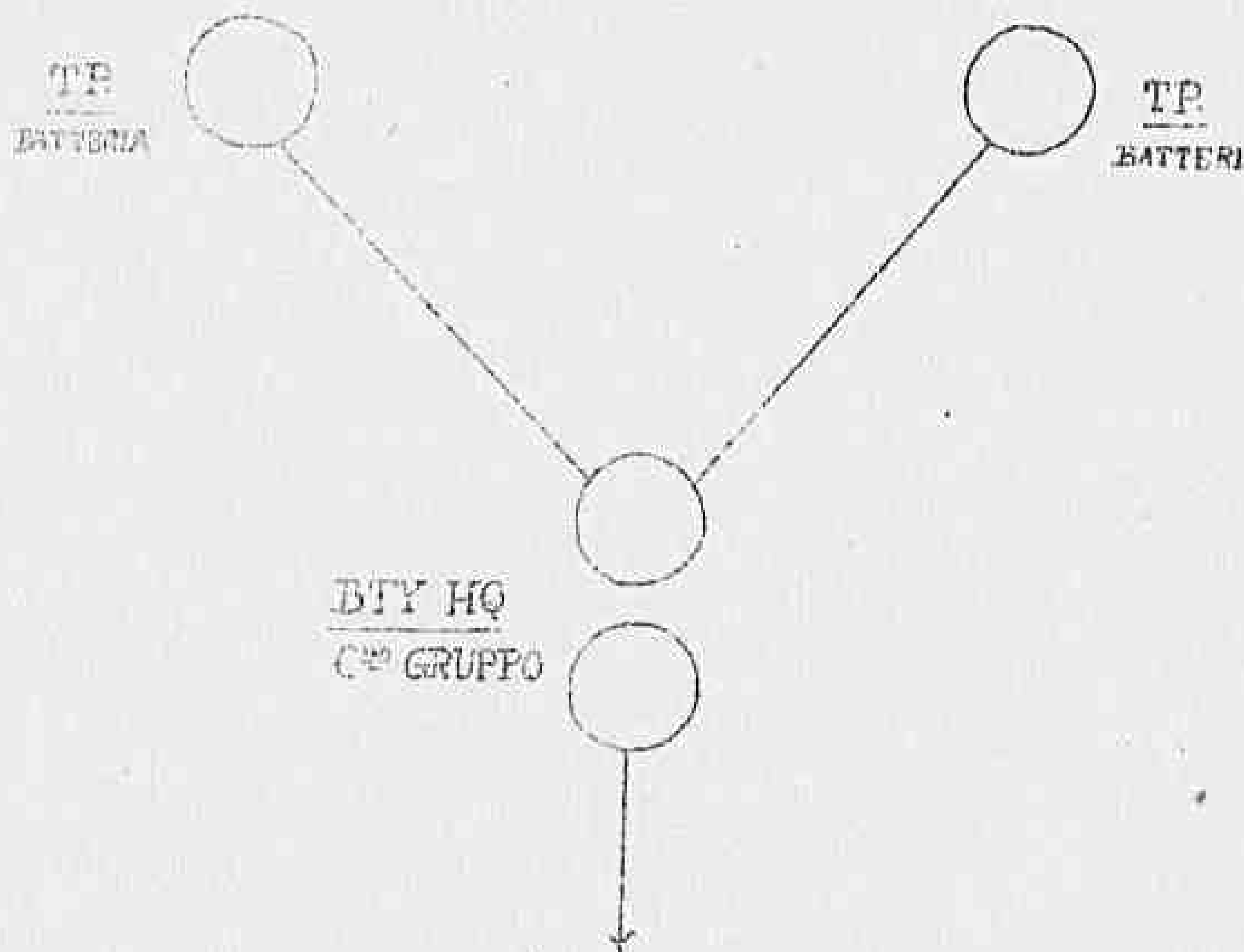
APPARECCHIO NO 19
APPARECCHIO NO 18
PARTICOLARI
4 - APPARECCHIO NO 19 IN ATTO
2 - APPARECCHIO NO 18 IN ATTO
1 - APPARECCHIO NO 18 ASSIDIARIO

785020

ANTI-AIRCRAFT BTY
WIRELESS LAYOUT
GRUPPO ARTIGLIERIA CONTROAEREO
GRAFICO COLLEGAMENTI RADIO

APPENDICE
ALLEGATO I

TO HQ
ALTA PANTERA
TP
BATTERIA



R/L TO REGT
COLLEGAMENTO COL CDO DI REGGIMENTO RETROSTANTE



LEGEND

No 19 SET

DETAILS

4 - No 19 SETS IN USE



LEGGENDA

APPARECCHIO No 19

PARTICOLARI

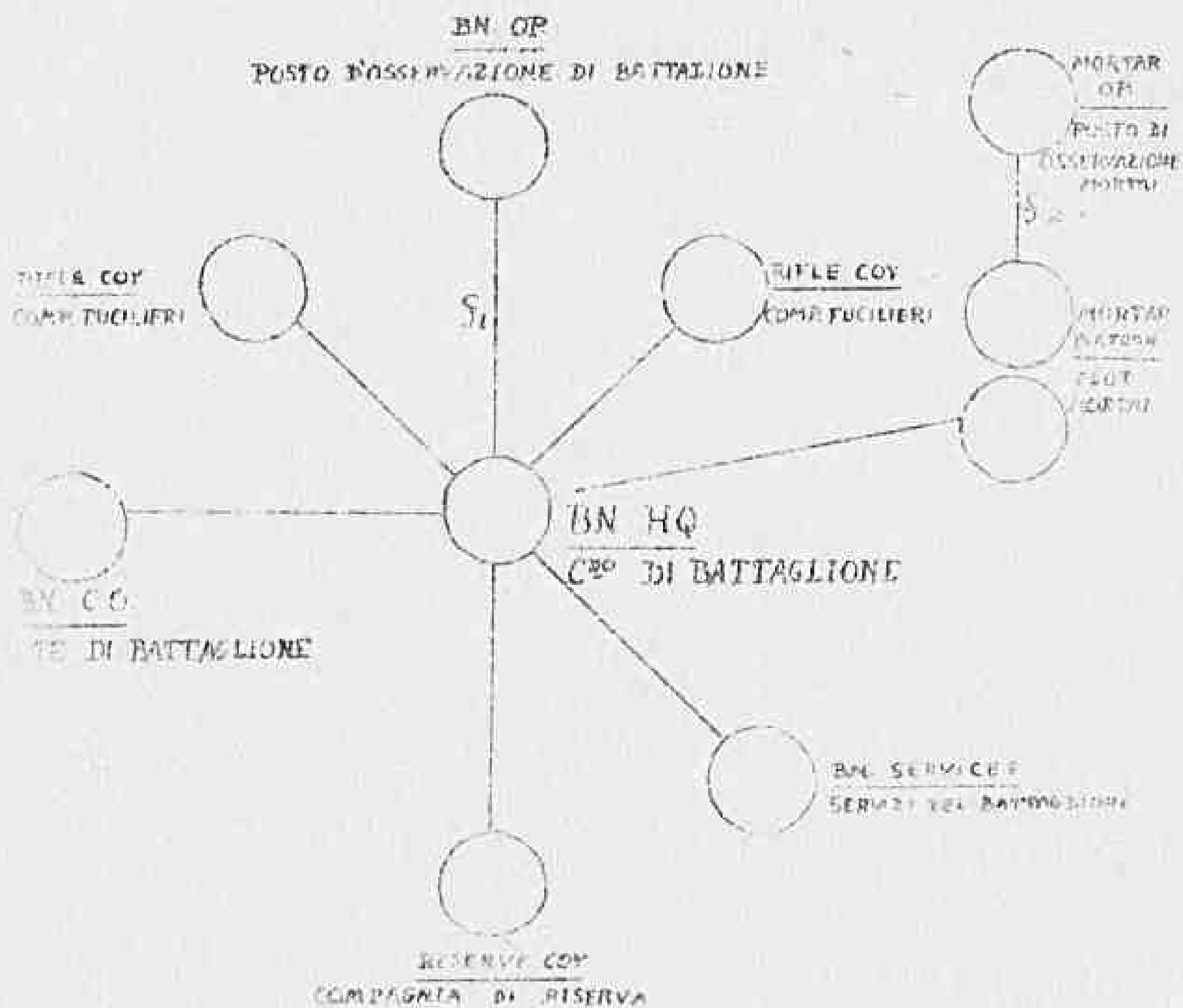
4 - APPARECCHIO No 19 IN USO

STANTE

No 19 IN ATTO
No 18 IN ATTO
No 18 ASSISTENTE

785020

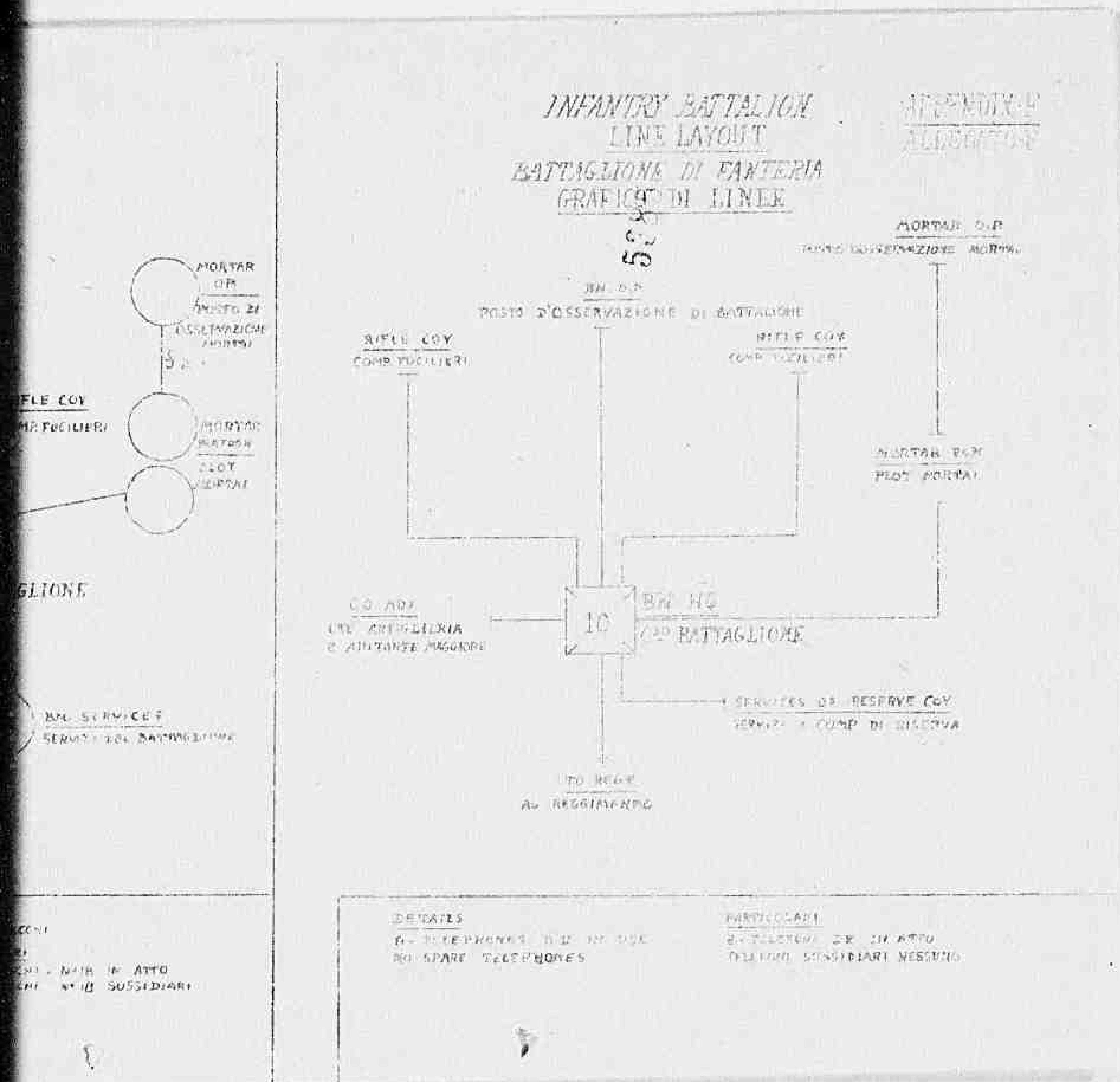
**INFANTRY BATTALION
WIRELESS LAYOUT**
**BATTAGLIONE DI FANTERIA
GRUPPO DI COLLEGAMENTI RADIO**



LEGENDA
10 N° 18 SETS
10 N° 18 SETS IN USE
3 N° 18 SETS SPARE

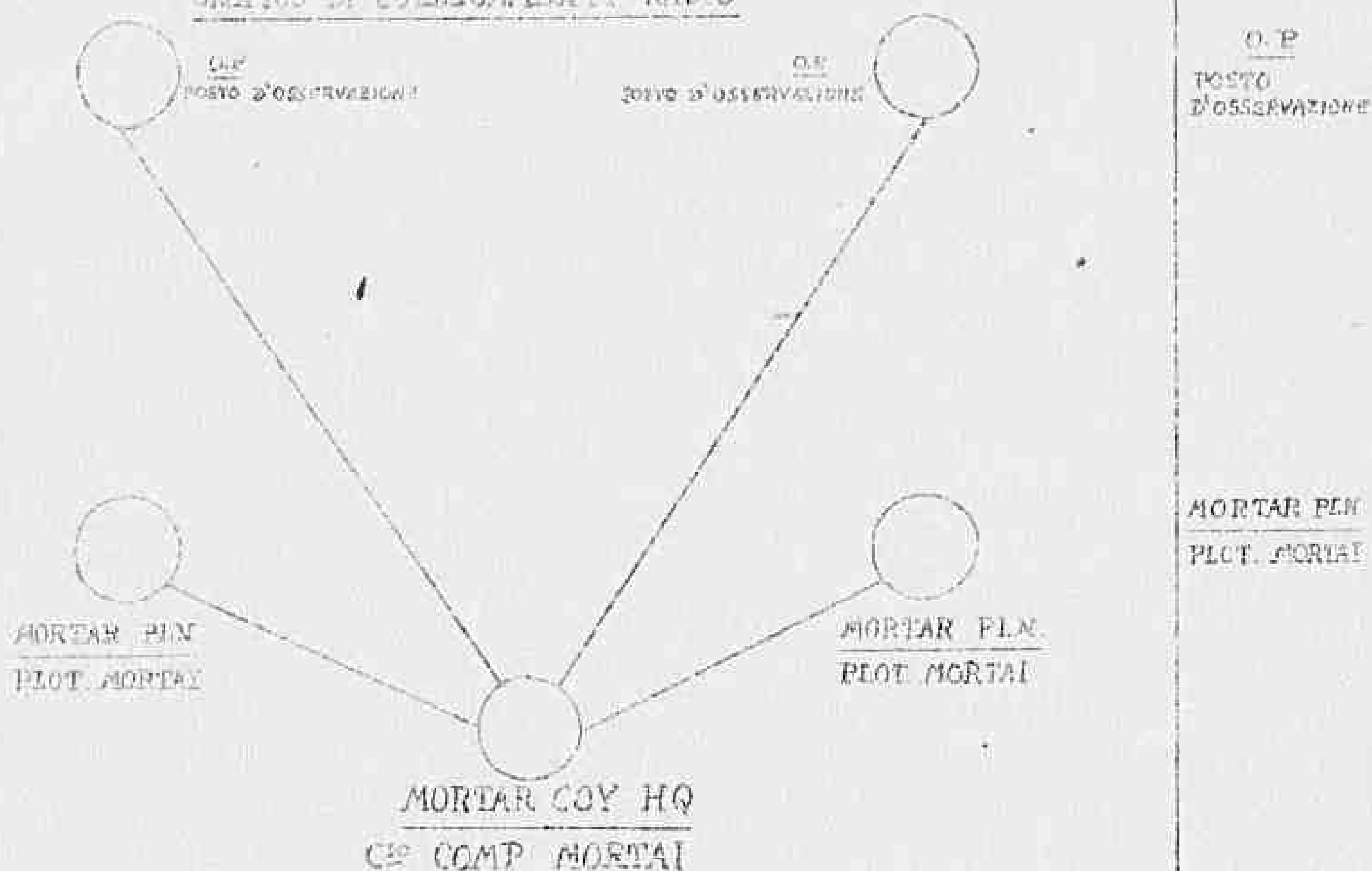
LEGENDA
10 APPARECCHI
10 APPARECCHI N° 18 IN ATTO
3 APPARECCHI N° 18 SULLI DIARI

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REGIMENTAL MORTAR COY
WIRELESS-LAYOUT
COMPAGNIA MORTAI DI REGGIMENTO
GRAFICO DI COLLEGAMENTI RADIO

LEGEND

ALL SETS ARE N° 18 SETS

DETAIL

5 - N° 18 SETS IN USE
 2 - N° 18 SETS SPARE

LEGGENDA

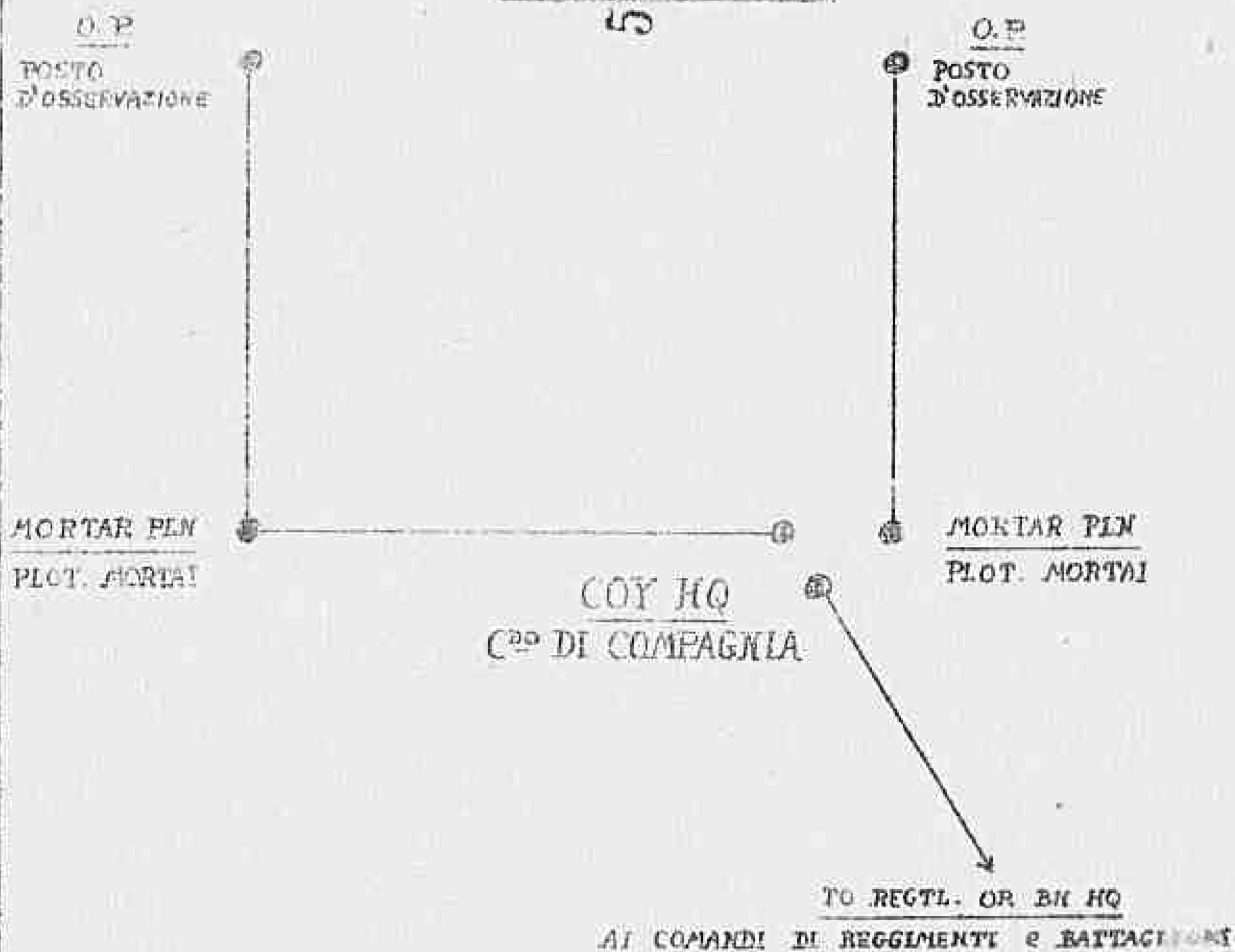
TUTTI GLI APPARECCHI SONO APPARECCHI N° 18

PARTICOLARI

5 - APPARECCHI N° 18 IN ATTO
 2 - APPARECCHI N° 18 SOSTITUIBILI

785020

REGIMENTAL MORTAR COY APPENDIX-6
 LINE LAYOUT ALLEGATO-6
 COMPAGNIA MORTAI DI REGGIMENTO
 GRAFICO DI LINEE

DETAIL

6 TELEPHONES D.X. IN USE

PARTICOLARI

6 TELEFONI DX IN ATTO

C O N F I D E N T I A L

Subject:- War Establishments.

Land Forces Sub Commission A.C.
(M.M.I.A.)
S/X521

27 Jan 45

53 B.L.U.

Attention Signals Officer.

1. Reference your SX2/1 of 22 Jan 45 regarding trades within Italian Combat Group Signal Bn.

2. The W.E. on which this Company is formed is NA/530/1. It allows for :-

Electrician Signals	...	6
Instrument Mechanics	...	15
Electricians, Battery Charging		5

In this W.E. there are no Apparechitori Telefonici; only Instrument Mechanics are shown.

3. It is fully appreciated that the original Italian Army Radiomentatore was entirely wireless and did not handle telephone or telegraph equipment. It was, however, agreed at the commencement that this trade would have to come into line with the Instrument Mechanic, and would therefore have to be trained in line instruments. This is now being done, and will continue at the Signals School.

4. It is noted that you hold 5 Apparechitori Telefonici. These will be trained as Instrument Mechanics and will for the moment be held as surplus to that trade, pending arrival of your Technical Maintenance Section.

5. The setting up of two repair shops, one for radio, and the other for line is not considered to be sound. The repair of these must be combined. The division, apart from being undesirable, is uneconomical from the stores aspect.

6. It is hoped that this will clear up the points at issue.

W. Calveley
W. CALVELEY, Major,
for Major General,
M. M. I. A.

Subject: War Establishment - Signal Coys
FOLGORE Combat Group.

53 B.L.U.
Ref. SX2/1
22 Jan 45.

To:- Land Forces Sub Comm A.C. (MMIA) for SO RSigs.

1. Confusion seems still to exist on the establishment of the following trades within the Signals Company. According to the establishment laid down, they are entitled to :-

Instrument Mechanics	15
Electricians Signal	5
Electricians Battery Charging	5

2. The Italian system has no exact equivalent to our Instrument Mechanic. A RADIOMONTATORE is in fact a Radio Mechanic. In the original FORMAZIONI ED ORGANICI PROVVISORI PER GRUPPO DI COMBATTIMENTO, another trade, that of APPARECHITORI TELEFONICO is shown. These are what might be termed LINE INSTRUMENT MECHANICS, and in fact exist in the company as tradesmen quite distinct from the RADIOMONTATORE, ELETTRICISTI, or ADDETTI CARICA BATTERIE. In this respect they are 6 tradesmen over establishment, one of whom is shown as a foreman of signals.

3. The company employ the tradesmen ELETTRICISTI (ELECTRICIAN SIGNALS) for the repair and maintenance of lighting plant, electrical parts of charging engines, vehicles etc. They have two separate shops, one with RADIOMONTATORE for the repair of W/T sets and one with APPARECHITORI TELEFONICO for the repair of Telephones, switchboards, fullerphones etc. There is also a separate battery charging shop where the ADDETTI CARICA BATTERIE (ELECTRICIANS BATTERY CHARGING) charge batteries

4. On the current Progress Report Proforma 'A' I have shown the APPARECHITORI TELEFONICO as INSTRUMENT MECHANICS surplus to establishment.

5. As the company at the moment, has no Technical Maintenance section proper, and in view of the difficulties experienced in other groups working on the principle of having a half Technical Maintenance section, I would suggest that for the moment at any rate, things be left as they are and the APPARECCIATORI shown as surplus Instrument Mechanics.

6. I would be glad if you could elucidate this point. I am conversant with the correspondence between Capt. Dixon and yourself on this matter.

Wheeler
Capt. R. Sigs.
53 SO R. Sigs
53 BLU

785020

25

Subject:- War Establishments.

Land Forces Sub Commission A.C.

(M.M.I.A.)

SX521

12 Jan 45

Signal Officer,
53 B.L.U.

Reference your SX132 of 2 Jan 45.

The correct version is "Electricians Battery-
Charging". The error is thought to be due to bad translation.



W. CALVELEY, Major,
for Major General,
M. M. I. A.

5381

Declassified E.O. 12356 Section 3.3/NND No. 785020

683011
Subject: War Establishments.

23
53 B.L.U.
Ref. SX152
2 Jan 45

To :- Major Calveley, RSigs
Land Forces Sub Comm A.C. (MIA)

One detail in the W.E. of the Signal Coy seems unclear to me. The Italian version mentions 5 "Apparecchiatori Telefonici" who do not appear in the English version, while the English lists 5 "Electricians battery-charging" who do not figure in the Italian. The two cannot be the same as one another.

I should be grateful if you could elucidate this point.

J. T. Dyer

Capt. RSigs
SO RSigs
53 BLU

5380

22

CONFIDENTIAL

Subject:- Directive for Italian Group.

Land Forces Sub Commission A.C.
(M.M.I.A.)
S/X521

22 Dec 44

C.S.O.,
A.F.H.Q.

1. Enclosed herewith is material received from 15 Army Group for the directive which is being issued by you.

2. It is thought that this is rather too comprehensive as much of the material is of interest to Signal Officers only. It is suggested that this could well be divided into two parts:-

- (a) That which all Officers should know.
- (b) That which all Signal Officers should know.



W. CALVELEY, Major,
for Major General,
M. M. I. A.

5570

SUBJECT: Move of FRIULI Combat Group

SECRET

MAIN HQ ALLIED ARMS IN ITALY

Tel: FILFOT 70

2821X3

18 Nov 44

G (SD)

Copy to: MMIA (attention of Maj CALVELEY, R Signals) ✓

Your 1605/50/57/G(1) of 16 Nov refers.

Appx 'A' "Sigs" element as written is agreed. We would point out that the Italian Tech Maint Secs (Mobile Sig Workshops) are organised on a basis of one sec (sigs workshops) per two Combat Groups.

The proposed move of FRIULI will mean that 181 Tech Maint Sec will be required to accompany the Gp leaving CREMONA without access to a Tech Maint Sec.

JEH/EG

Major-General,
Chief Signal Officer.

5378

SECRET

ALLIED FORCE HEADQUARTERS

Subject: Controlled Signal Stores -
Italian Combat Group.

TEL. NO. FREEDOM 971

AFHQ/6551/1/4(AS)

25 Oct. 44

H.Q.,
N.M.I.A.

1. Enclosed for your information is the allocation of Controlled Signal Stores to Units forming an Italian Combat Group.
2. This is a summary of such Stores contained in individual Special Equipment Lists.

DEH/DX.

*I have
revised the list*
[Signature]
D. Thompson Capt.
J.F. LONGMAN, Capt.,
for Major General, G-4 (B).

5377

1648

785020

Subject:- 'Z' Lorries.

Military Mission Italian Army,
R O M E
S/X321

26 Oct 44

C.S.O.,
A.A.I.

Inquiries have been made at A.F.H.Q. re the possibility of obtaining 'Z' lorries for Italian Workshop Sections, without success.

The Italian Ministry of War have also been approached, but they state they have none.

It would seem therefore that some alternative in the way of a "fitted" 3 tonner will have to be devised.

W. CALVELET, Major,
For Major General,
Military Mission Italian Army.

Copy to Special Section, WMA.

5378

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

785020

ARMY FORM C.212B

CIPHER SECRET
MESSAGE FORM

Serial No. 26/230

CALL
AND
INSTRUC-
TIONS

IN

OUT

Reg. of Groups

Office Date Stamp

GIMM A

FILE REF

SK/141

Date Recd

24/1

(ABOVE THIS LINE IS FOR SIGNALS USE ONLY)

TO

M M I A

FROM

SIGS 50 BLU

Originator's Number

FX 43

Date

23

In Reply to Number

Ref conference on Saturday still consider
H MARESCIALLI necessary to supervise skeleton
Signal Office Q. Old system cannot work with
new organization

This Message may be sent AS WRITTEN
by any means
(Except)

() Wireless

Signature

This Message must be sent IN
CIPHER if liable to interception
or to fall into enemy hands

Signature

Originator's Instructions
Degree of Priority

Romance

Time of Origin

T.H.I.

23/1300

T.O.R.

4 Originator may delete "Except" and insert "Including." (BELOW THIS LINE IS FOR SIGNALS USE ONLY.)

System In	Time In	Reader	Sender	System Out	Time Out	Reader	Sender	System In	Time In	Reader	Sender

537

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

785020

ARMY FORM CR136 (Small)

MESSAGE FORM

Registrar No. 39/3

Call

Sel. No.

Priority

Transmission Instructions

10

ABOVE THIS LINE FOR SIGNALS USE ONLY

OFFICE DATE STAMP

FROM
(A)

Originator

Date/Time of Origin

Sigs

ABLY

08 1000A

For Action

237A

TO

Sigs

MMIA

(W) For Information (INFO)

Message Instructions

GR

CIPHER SECRET

Originator's No.

EX33

ITALIAN Z being mentioned by FLEMING

Last week has NOT yet arrived @ When can we expect it @ Urgently required

THIS MESSAGE MAY BE SENT AS WRITTEN BY ANY MEANS { EXCEPT } WIRELESS

IF LIABLE TO BE INTERCEPTED OR TO FALL INTO ENEMY HANDS, THIS MESSAGE MUST BE SENT IN CIPHER

ORIGINATOR'S INSTRUCTIONS
DEGREE OF PRIORITY

Important

Time System Op.

THI or TOR

081000A

Time cleared

SIGNED

SIGNED

W. Brown

Subject:- War Establishments.

S.M.R.E.

TOP SECRET

Army Sub Commission (MMIA)
HQ ACC
ROME
TS/X141
16 Aug 44

Reference my letter TS/X141 of 15 Aug 44.

Herewith proposed War Establishment of
Gruppi di Combattimento Op. Telleradio. Please note
this is only a proposal and is not firm, but I suggest
that you commence its implementation at once.


Maj Gen.
Army Sub Commission.

RWC

5874

Subject:- Gruppi di Combattimento
Signals.

C.S.C.,
A.A.I.

TOP SECRET

Army Sub Commission (MHA)
HQ ACC
ROME
TS/X141
16 Aug 44

Herewith two copies of the proposed
War Establishment for the Company Telleradio of the
Gruppi di Combattimento for your attention.

Maj Gen.
Army Sub Commission.

rvg

5573

TOP SECRET

Subject:- War Establishments.

Army Sub Commission (MIA)

HQ ACC

ROME

TS/X141

16 Aug 44

C.S.O.,
A.A.L.

Herewith two copies of the proposed
War Establishment for Batt Comando Gruppo di Combattimento
Mista Genio.

Maj Gen.
Army Sub Commission.

TOP SECRET

Subject:- War Establishments.

Army Sub Commission (MIA)

HQ AGC

POLE

TR/X/44

16 Aug 44

S.M.R.E.

Herewith four copies of the proposed
War Establishment for Batt Comando Gruppi di Combattimento
Mista Genio.

[Signature]
Maj Gen.
Army Sub Commission.

785020

COMBAT GROUP SIGNALS.
GRUPPI DI COMBATTIMENTO CP. TELLERADIO.

Coy HQ	Div HQ Platoon. Pl per Comando Div	Arty Regt Pl. Pl per Regt Art.	Inf Regt Pl. Pl per Regt Panteria	Total for Combat Group Signals		Total per Gruppo DI Combattimento CP Telleradio
				Total for Inf Regt Pl	Total per Pl per Regt Panteria	
Officer Commanding Maj. Comandante Mag. Subalterns. Subalterno Total Officers; Totale Ufficiali	1 2 3	1 1 1	1 1 1	1 1 1	2 2 2	1 6 7
Regimental Sjt Major. Maresciallo Comandante	1	1	1	1	1	1
Company Quarter- Master Serjeant. Serg Maggiore Staff Quarter- Master Serjeant. Contabilista	1	1	1	1	1	1
Company Quarter- Master Serjeant. Serg Maggiore Foreman of Signals)	1	1	1	1	1	1
Chief Wireless Sjt	1	1	1	1	1	1

DETAILDETTAGLI

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

785020

COMBAT GROUP SIGNALS
GRUPPI DI COMBATTIMENTO CP. TELETRADIO
DISTRIBUTION OF RANK & FILE BY TILES - DISTRIIBUZIONE IN ILICA TRUPPA SECONDO LE CARICHE.

DETAIL		DETAIL I	
DISTRIBUTION OF RANK & FILE		DISTRIBUTION OF RANK & FILE	
Clerks		Clerks	
Scritturali di	1	Scritturali di	1
Contabilita	1	Contabilita	1
Motociclisti	1	Motociclisti	1
Disegnatori	1	Disegnatori	1
Meccanici	1	Meccanici	1
Apparecchiatori	1	Apparecchiatori	1
Telefonici	1	Telefonici	1
Radiomontatori	1	Radiomontatori	1
Etellricisti	1	Etellricisti	1
Stenditori-	1	Stenditori-	1
Guardafili	1	Guardafili	1
Marconisti	1	Marconisti	1
Telegrafisti	1	Telegrafisti	1
Cooks	1	Cooks	1
Switchboard Operators	1	Switchboard Operators	1
Generalinisti	1	Generalinisti	1

DETAILDETTAGLI

785020

1990

785020

COMBAT GROUP SIGNALSGRUPPI DI COMBATTIMENTO CF, TELERADIOTRANSPORT - TRASPORTI

		Coy HQ Comando Compagnia	Div HQ Platoon. Pl per Comando Div				Arty Regt Pl. Pl per Regt Art.				Inf Regt Pl. Pl per Regt Panteria.				Total for Combat Group Signals Totale per Gruppi DI Combattimento Cp	
			Wireless Squad Squadra Radiotelegrafica	Telegraph Squad Squadra Telegrafica	Total Div HQ Platoon Totale Pl per Comando Div	Wireless Squad Squadra Radiotelegrafica	Telegraph Squad Squadra Telegrafica	Total for Arty Regt Pl Totale per Pl per Regt Art	2 Wireless Squads Squadra Radiotelegrafica	2 Squads Radiotelegrafice	2 Telegraph Squads Squadra Telegrafica	Total for Inf Regt Pl Totale per Pl per Regt Panteria	2 Squads Radiotelegrafice	2 Telegraph Squads Squadra Telegrafica	2 Squads Telegrafice	Total for Inf Regt Pl Totale per Pl per Regt Panteria
Motor Cycles Solo	Motociclo monoposto															
Trucks 15cwt 4x2 GS	Autocarro 7½ q	2	13	16	1	6	7	1	4	10	35					
Trucks 15cwt Wireless	Autocarro 7½ q	3	5	3	1	3	2	1	2	6	16					
House or Fitted for Autocarro Staz Radio Wireless	Autocarro Staz Radio adatto per radio trasmissioni		6	6	4	4	4	5	10	20						
Trucks 15cwt Office	Autocarro 7½ q Comando	1									1					
Trucks 15cwt 4 x 4 Personnel	Autocarro 7½ q 4 x 4 personale										3					
Lorry 3ton 4x4 G.S.	Autocarro 3 t 4x4 Servizi Gen				1		1			2	17					
Lorry 3ton Cipher Office	Autocarro 3 t Cifra	3	2	1	2	2	4	2	3	17						
			1	1							1					

DETAILDETTAGLI

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COMBAT GROUP HQ BN ENGINEERS/SIGNALS.BATT COMANDO GRUPPI DI COMBATTIMENTO MISTA GENIO.

<u>DE T A I L</u>		<u>Bn. HQ.</u>
<u>DE T T A G L I</u>		<u>Dett. Comando</u>
Officer Commanding Lt. Col.	Comandante T. Col	1
Adjutant, Capt.	Aiutante Maggiore in 2	1
Field Engineer, Capt.	Capt Specialita Artieri	1
Subaltern	Subalterno	2
Medical Officer	Subalterno Medico	1
Total Officers	Totale Ufficiali	6
W.O. II.	Sottufficali	2
Total W.Os.	Totale Sottufficali	2
Corporals	Caporali	3
Draughtsmen	Disegnatori	1
Orderly	Piantone d' ufficio	1
General Duties	Servizi Varie	4
Drivers	Autisti	5
Total Rank & File	Totale Soldati	14
Total Other Ranks	Totale Sottufficali e graduati	16
Total All Ranks	Totale Ufficiali Sottufficali e Truppa	22

DISTRIBUTION OF RANK AND FILE BY TRADES - DISTRIBUZIONE DELLA TRUPPA SECONDO LE CARICHE.

Clerks	Scritturali di Contabilita	2
Draughtsmen	Disegnatori	1
Drivers	Autisti	5

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Corporals	3
Draughtsmen	1
Orderly	1
General Duties	4
Drivers	5
Total Rank & File	14
Total Other Ranks	16
Total All Ranks	22

DISTRIBUTION OF RANK AND FILE BY TRADES - DISTRIBUZIONE DELLA TRUPPA SECONDO
LE CARICHE.

Clerks	2
Draughtsmen	1
Drivers	5
Orderly	2
General Duties	3
Medical Orderly	1
Total Rank and File	14

Scritturali di Contabilita
Disegnatrici
Autisti
Attendant
Servizi Varie
Aiutante di Sanita
Total Soldati

TRANSPORT - TRASPORTI

Motor Cycles Solo	5
Cars 4 Seater 4 x 4	1
Trucks 15 cwt 4 x 2 G.S.	1
Lorries 3 ton 4 x 4 G.S.	2
	1

Motociclo monoposto
Auto vetture 4 posti 4 x 4
Autocarri 7 1/2 t
Autocarri 3 t 4 x 4 Servizi Gen

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Sheet 1

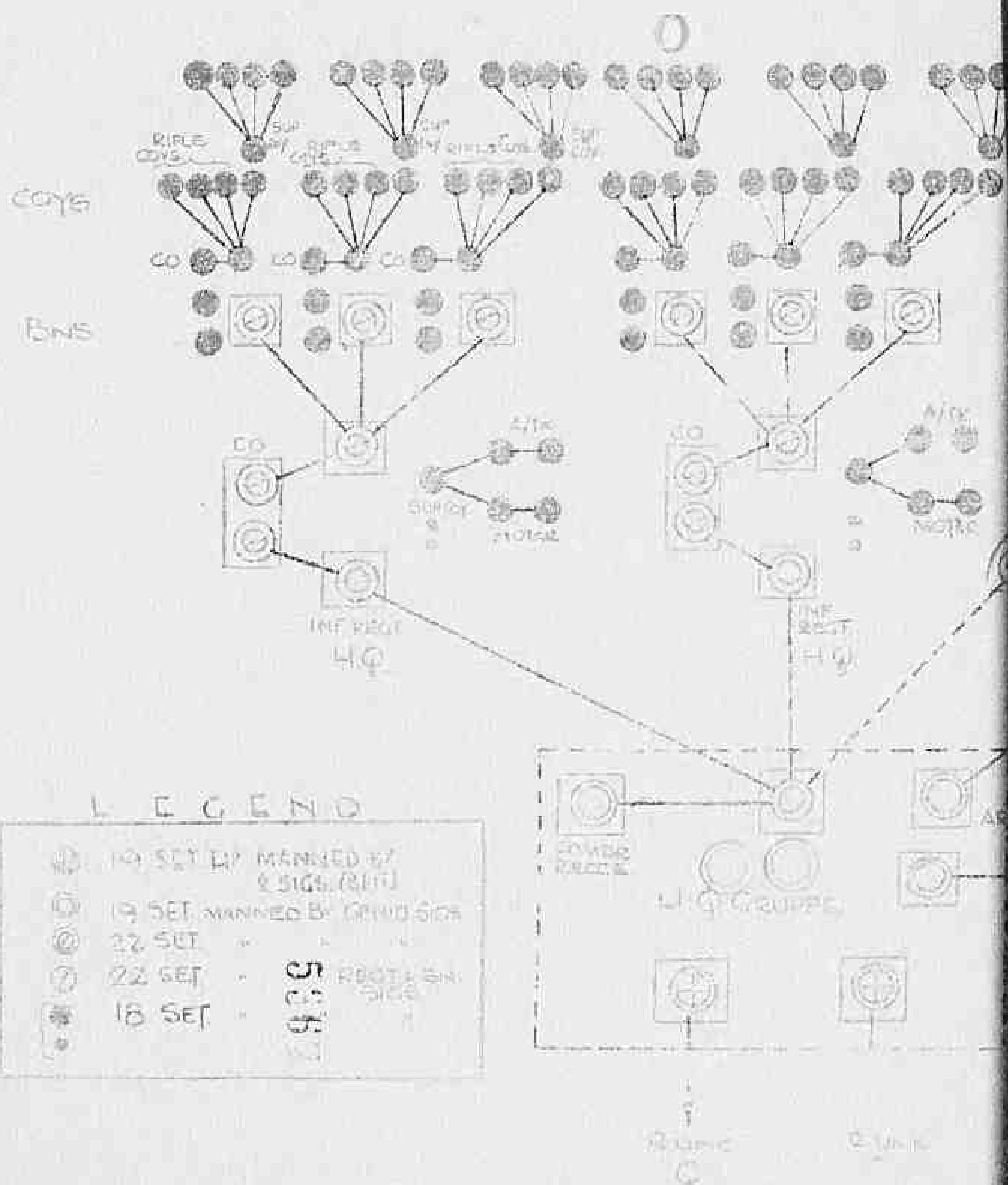
HOLDINGS OF SIGSDISTRIBUZIONE DELLE STAZIONI

	19 Sets Stazioni Tipo 19 AP.	19 Sets Stazioni Tipo 19.	22 Sets Stazioni Tipo 22	18 Sets Stazioni Tipo 18	Total Stazioni Totale
H) Gruppo Signals Comando Gruppo (Genio)	-	8	-	-	8
Sigs Bn attached H. Gruppo Nucleo Telecomunicazioni Britannico Adetto al Comando Gruppo	2	-	-	-	2
Sigs Arty Servizio Collegamento Art	-	6	-	-	6
Sigs Inf Regt. 1 Serv Collegamento Pant 1	-	-	6	-	6
Sigs Inf Regt. 2 Serv Collegamento Pant 2	-	-	6	-	6
Arty Regt Sigs Serv Collegamento Art	-	-	45	12	57
Inf Bn Sigs 1 Serv Collegamento Btg Pant 1	-	-	-	13	13
Inf Bn Sigs 2 Serv Collegamento Btg Pant 2	-	-	-	13	13
Inf Bn Sigs 3 Serv Collegamento Btg Pant 3	-	-	-	13	13
Inf Bn Sigs 4 Serv Collegamento Btg Pant 4	-	-	-	13	13
Inf Bn Sigs 5 Serv Collegamento Btg Pant 5	-	-	-	13	13

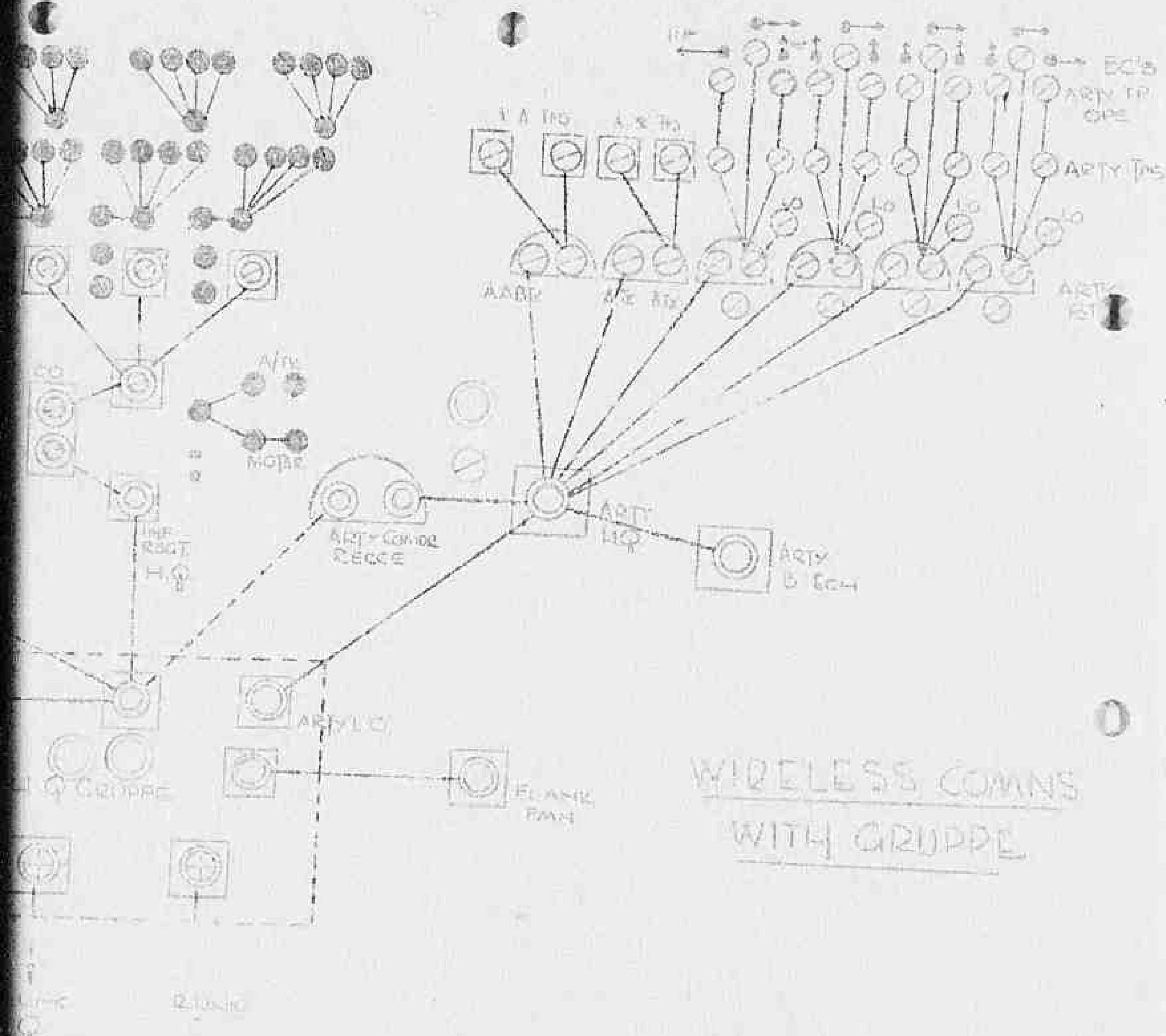
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Serv Collegamento Pant 2	-	-	6	-	6
Arty Regt Sigs	-	-	57	-	57
Serv Collegamento Art	-	-	13	-	13
Inf Bn Sigs 1	-	-	13	-	13
Serv Collegamento Btg Pant 1	-	-	13	-	13
Inf Bn Sigs 2	-	-	13	-	13
Serv Collegamento Btg Pant 2	-	-	13	-	13
Inf Bn Sigs 3	-	-	13	-	13
Serv Collegamento Btg Pant 3	-	-	13	-	13
Inf Bn Sigs 4	-	-	13	-	13
Serv Collegamento Btg Pant 4	-	-	13	-	13
Inf Bn Sigs 5	-	-	13	-	13
Serv Collegamento Btg Pant 5	-	-	13	-	13
Inf Bn Sigs 6	-	-	13	-	13
Serv Collegamento Btg Pant 6	-	-	13	-	13
Sup Coy Sigs 1	-	-	7	-	7
Serv Collegamento Op Appoggio 1	-	-	7	-	7
Sup Coy Sigs 2	-	-	7	-	7
Serv Collegamento Op Appoggio 2	-	-	7	-	7
SUMMARY - RIPILOGO					
BRITISH Sigs	2	-	-	-	2
Collegamento Britannico	-	-	-	-	-
GENIO Sigs	-	14	12	-	26
Collegamento Genio	-	-	-	-	-
Arty Regt Sigs	-	-	45	12	57
Collegamento Art	-	-	-	-	-
Bn Sigs	-	-	-	-	-
Sup Coy Sigs	-	-	-	78	92
Collegamento Btg	-	-	-	14	-
Op Appoggio	-	-	-	-	-

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WIRELESS COMMS
WITH GROUPE

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DIAGRAM OF EXCHANGES HELD BY GENI



BN



BN



BN



BN



BN



BN



INF REGT



INF REGT



LEGEND



40 LINE REG GENO



10 LINE REG GENO



10 LINE REG USIES (BRT)



10 LINE REG RECT GENO



HQ

785020

SIGS HELD BY GENIO and REGT SIGS



BN



BN



BN



ARTY BTX



ARTY BTX



ARTY BTX



ARTY BTX



REGT



DIV ARTY HQ



HQ GENIO



HOLDINGS & SWITCHBOARD

SIGS(BRIT) 1 UC 10 LINE

SIGS GENIO 8 P.F. 40 LINE

REGT SIGS ARTY 4 UC 10 LINE

BN SIGS INF 6 UC 10 LINE

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RECOMMENDED SCALE OF SIGNAL CONTROLLED STORES FOR GRUPO

	Total Brit Div	40% for Gruppo	Brit Sigs	Genio Sigs	Regt Sigs	En Sigs	TOTAL
App Cable Layer No. 6	24	10		6	8	24	24
" " " No. 3	28	11		1			14
" " " Mech No. 1	3	1		4			1
Barrows Drum	11	4					4
R. T. Sets No. 19 HP	11	64	2	14			2
19	162	60		12	45		14
22	153	66			12	92	57
18	164	132					104
38	333	18	1	5	6		12
Revenometers Class D.	48	4	1	4			4
Charging Sets 6 K.W.	10	8	1	2	5		8
1260 Watt	22	72	2	13	38		53
300 Watt	190	4	1	4			5
Reception Sets R. 107	10	1	1	1			1
Switchboards P & F 40 Line	2	24	1	8	6	6	21
U.C. 10	60	7	1	5	4		6
Superposing Unit 3 Trans	17	5	1	8			13
1 Trans	12	10	1				9
Baves Terminal S.O.	24	8		8			9
Frames D & P (+ Snakes)	18	38		10			4
Fullerphones	94	192	2	52	58	30	193
Tele D.V.	482	20	8	30		72	30
F or L	51	1		1			1
Test Frames 40 pair	3	(Div Sigs only)					
Watches G.S.	104		3	31	45		70

(a) It is recommended that an

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300 Watt	190	72	2	13	38	53
Reception Sets R.107	10	4	1	4		5
Switchboards T & F 40 Line	2	1		1	6	1
U.C. 10	60	24	1	8		21
Superoosing Unit 3 Trans	17	7	1	5	4	6
1 Trans	12	5				1
Boxes Terminal S.O.	24	10	1	8		1
Frames D & P (+ Snakes)	18	8	1	8		1
Fullerphones	94	30	2	10	30	4
Tele D.V.	422	192	8	52	72	150
F or L	51	20		30		50
Test Frames 40 pair	3	1		1		1
		(Div Sign only)				
Watches G.S.	104		3	31	45	79

(a) It is recommended that an extra pool of 19 and 22 Sets be held by Grippio HQ on the following scale:

19 Sets 2
22 Sets 4

(b) No demands have been put in for Batteries 2ndry. It is assumed that sets will arrive complete i.e. 22 sets 2 12 volt 75
2 12 volt 25
19 sets 6 6 volt 125 or 170

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GRUPPO - SIGNAL CONTROLLED STORES

	Total for Br Inf Div	Total allow ed 40% Br Estab	Proposed total per Gruppo	R/L Det	Gruppo R Sigs	RA Regt	Two Inf Regts	Size Inf In
App Cable Layer No 6	24	10	24					24
do. No 3	28	11	11		7	4	4	
Boxes Terminal SO	24	10	8		4	4	4	
Frames D & P	18	8	8		8			
Fuller phone	94	38	40	2	4	4	4	30
Swbds REF 20 line	2	1	1		1			
Cable Layer Mech No. 1	3	1	1		1			
Swbds UC 10 line	60	24	21	1	2	8	4	6
Tele D Y	482	192	144	8	20	44	24	48
" For L	51	20	20		20			
Test frames 40 pr	3	1	1		1			
Barrows drum	11	4	4		2		2	
R 107	10	4	5	1	1	1	2	
R 109	10	4						
Wavemeter Class D	48	18	7	1	2	2	2	
	162	64	13		6	5	2	

Cable Layer Mech
No. 1

Swhds UC 10 line	60	1	21	1	1	1	2	8	4	6
Tele D V	482	192	144	8	20	44	24	48		
" P or L	51	20	20							
Test frames 40 pr	3	1	1		1					
Barrows drum	11	4	4		2		2			
E 107	10	4	5	1	1	1	2			
E 109	10	4								
Wavemeter Class D	48	18	7	1	2	2	2			
WT Sets No 19	162	64	13		6	5	2			
" " " HP	11	4	2	2						
" " " 22	153	60	70			52	12	6		
Gen Sets 6 KW	3	1								
Charging sets 6 KW	10	4	4		1	1	2			
" " 1260 W	22	8	8	1		528	6			
" " 300 W	190	72	54		2	42	4	6		
WT Sets No 18	164	66	104			12	14	78		
" " " 30	333	130								

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DATE/TIME 25 APR 85

INFO : OTHERS

SEE FOR OFFICER'S NAME NO

RESTRICTED (.) 20 ITALIAN ENGINEER COY TELERADIO STRENGTH UPRES 3 ORG 120 AT
NAPLES RE SARDINIA IS PLACED AT DISPOSAL. SHRE

(2)

PRIMEFAX

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MEMORANDUM

MEMO ON ITALIAN SIGNAL UNITS

G I (org)

20 COMPAGNIA MARCONISTI has arrived at the MARLBs Transit Camp ex SARDINIA. It is part of the Signal Unit of FIEULLI Inf Div.

We are asked if we can use this Coy. If we accept it will not count against our ceiling of Italian Units. It would be held against that of another branch whose bid had not been met owing to non-availability of personnel.

G(SD) make two stipulations:-

- (a) That in the event of FIEULLI Div being activated the Coy must be returned.
- (b) That we do not split it up but employ it as an entity.

The Coy's composition is as follows:-

(1) Personnel.

Officers	5	
H.C.O.s	10	
Radio Ops	52	
Radio E/S	3	
T.S.D.O.s	13	
Telephone Ops	47 +	+ Work on Repair of Telephones and instruments - more like our I.M.s
Drivers and DRS	10	

The Coy's composition is as follows:-

(1) Personnel.

Officers	5
N.C.O.s	10
Radio Ops	52
Radio E/S	3
T.S.B.O.s	13
Telephone Ops	47 +
Drivers and DRs	10
	140

+ Work on Repair of Telephones
and instruments - more like our
I.K.s

(11) Stores.

Details not known. Stores still in Sardinia. Col Negroni will obtain
when we decide to accept.

24 July 44.

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SECRET

M.M.I.A.
T.S./G/29
21 July 1944

ITALIAN POCKET DIVISIONS.

P R O P O S A L S

1. EQUIPMENT. of ONE British Division to be used to furnish TWO Italian Pocket Divisions and necessary rearward services.
2. RELATIVE STRENGTHS. and fire power as follows: -

	<u>British</u>	<u>Italian</u>	<u>Percentages</u>	<u>British</u>	<u>Italian.</u>
HQ	450	200	44%	25 pdr	32
Arty	3,250	1,400	43%	17 pdr	8
Engr	850	400	47%	6 pdr	36
Sigs	650	300	46%	40 mm	12
Inf	9,350	6,300	67%	F.I.A.T.	200
Tpt	1,050	400	38%	3" mortar	30
Med	500	300	60%	2" mortar	140
Viso	600	200	33%	L.M.G.	500
				Carbines	2,500
TOTAL	16,700	9,500	56%	Rifles	4,500

Note: following available weapons excluded for simplicity.

18 VIGs; 8, 4.2" mortars and 18, 20 mm equipments.

3. ARMY TROOPS. and Services (not included above) for whom equipment would be available, could include Pk Park Cqys, Signals, S & T, Medical and Maintenance if needed.

4. A BRITISH LIAISON UNIT. (as under) should be attached to each Division: -

1 Lt. Col	} with top, interpreter, clerks, batmen drivers and ciphers as needed.
1 Major (Arty)	
1 " (Inf)	
1 Capt (Sigs)	

BRITISH TRAINING TEAMS. will be needed temporarily to supervise training and

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TOTAL	16,700	9,500	56%	Rifles	9,745	4,950
-------	--------	-------	-----	--------	-------	-------

Note: following available weapons excluded for simplicity.

18 VMGs; 8, 4.2" mortars and 18, 20 mm equipments.

3. ARMY TROOPS. and Services (not included above) for whom equipment would be available, could include Pa Park Coys, Signals, S & T, Medical and Maintenance if needed.

4. A BRITISH LIAISON UNIT. (as under) should be attached to each Division: -

1 Lt. Col	} with tpt, interpreter, clerks, batmen drivers and ciphers as needed.
1 Major (Arty)	
1 " (Inf)	
1 Capt (Sigs)	

BRITISH TRAINING TEAMS. Will be needed temporarily to supervise training and issue of stores. Italian instructors will need to be trained before-hand.

6. HANDBOOKS Etc. should be translated early.

7. EXPERIENCE from Poles and/or French might be used.

8. SUGGESTED ORGANISATION in outline and infantry strengths in detail are attached.

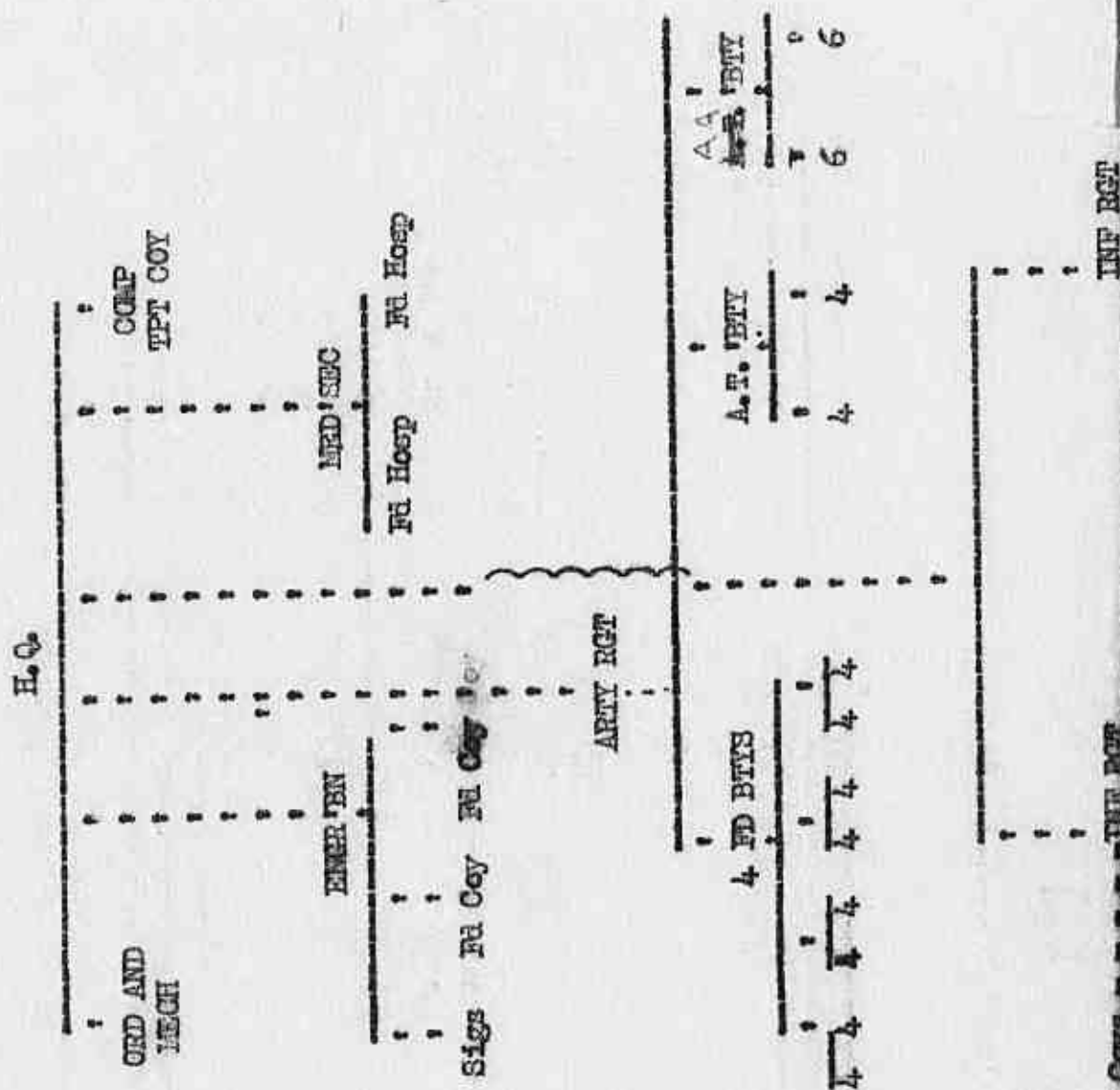
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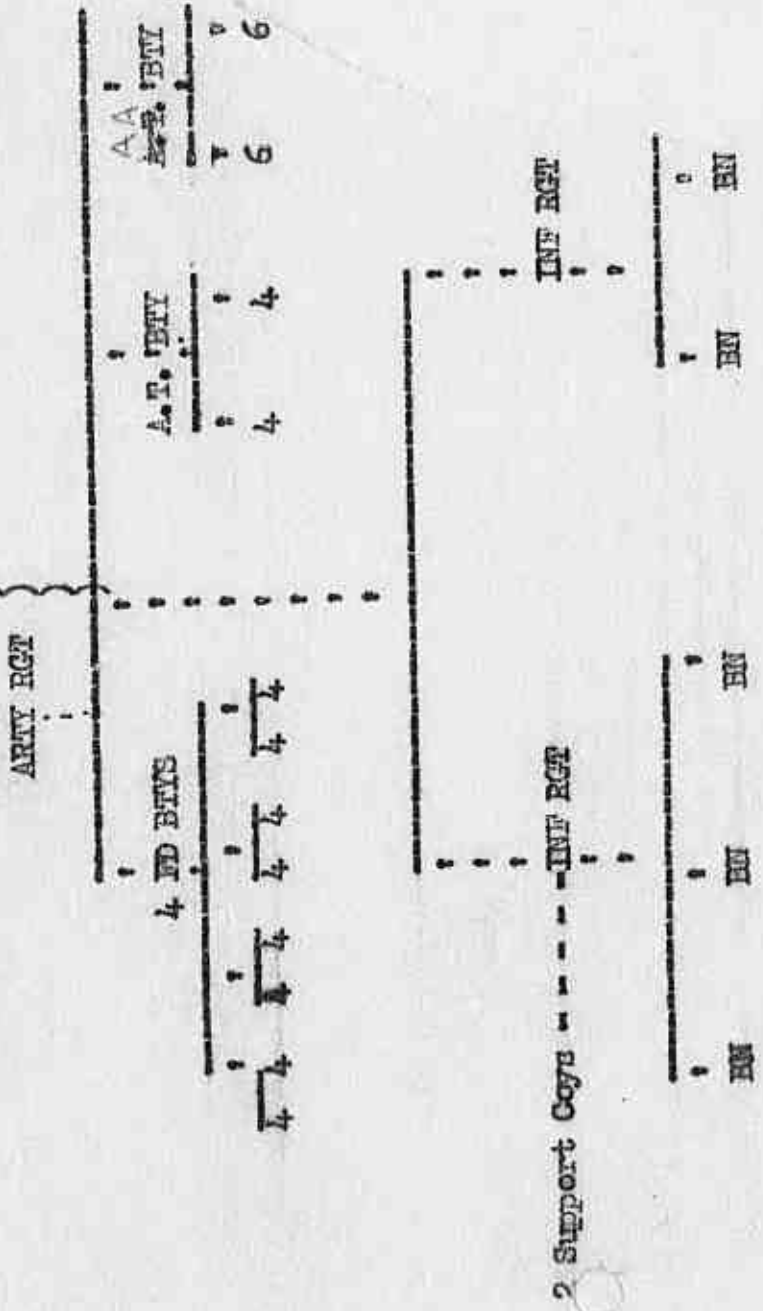
S U B S T A N T I A L O R G A N I Z A T I O N

A POCKET DIVISION.



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S E C R E T

POCKET DIVISION

I N F A N T R Y S E R E N C E S

PLATOON

HQ	2
1 Sec	20
2 Sec	20
	<u>42 x 3 per Coy.</u>

RIFLE COY.

HQ	34
1 Pl	42
2 Pl	42
3 Pl	42
	<u>160 x 3 per Bn</u>

INF BN

Support Coy	HQ	120
1 Rifle Coy		250
2 Rifle Coy		150
3 Rifle Coy		160
		160
		<u>850 x 3 per Regt.</u>

INF REGT

Mortar Coy	HQ	200
Gun Coy		200
		200

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160 x 3 per BnINF BN

HQ

Support Coy
1 Rifle Coy
2 Rifle Coy
3 Rifle Coy120
250
100
180
160850 x 3 per Regt.INF REGT

HQ

Mortar Coy
Gun Coy
1 Inf Bn
2 Inf Bn
3 Inf Bn200
200
200
550
850
8503,150 x 2 per Div.Div Inf strength 6,300twb, WP.
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