

Series: AWM95
Australian Army commanders' diaries
[Vietnam]

Signals units

Item number: 6/2/4

Item: 104 Signal Squadron

Narrative

Annex

[1-31 Jul 1967]

COVERING LETTER

Reference No R707 - 1 - 1

To: OIC, Military History Section, AHQ.

1. I enclose Commanders Diary (AF C 2118) (Adapted) as indicated at Part 2.

2. Please return receipt below.

(Signature)

[Handwritten Signature]

Appointment

CAPT
21C 104 Sig Sqn
(OC Unit or senior staff officer)

*Receipt
& forwarded
8/8/67*

SECRET

ORIGINAL
DUPLICATE

Strike out where
not applicable

COMMANDERS DIARY

OF

Unit or Formation 104 Sig Sqn

From 1 Jul 67

To 31 Jul 67

INDEX

Narrative (AF C 2118)

ANNEXES

- * A Duty officer's log
- * B Messages connected with log
- C Operation orders and instructions issued
- D Operation orders and instructions received
- * E Sitreps issued
- F Orders of battle and location reports issued
- G Intelligence reports and summaries issued; appreciations made
- H Administrative orders and instructions issued
- I Administrative orders and instructions received
- J Administrative reports and bulletins; ammunition returns; field strength returns
- * K Standing orders issued
- L Commander's policy and demi-official letters
- M Action reports (if required)
- N Other papers, eg, maps and diagrams, air photos, reports from sub units
- O Periodical summaries of operations
- Z Top Secret Supplementary Diary

Enclosure Numbers

- NIL to
- NIL to
- NIL to
- NIL to
- NIL to
- NIL to
- NIL to
- NIL to
- NIL to
- NIL to
- 1 to
- 2 to

† ~~NIL~~
† ~~RETAINED~~
† ~~Despatched to~~

on NIL

* Only to be included during operations.
† Cross out whichever is not applicable.

NOTIFICATION
RESPONSIBILITY
GENERAL
ENCLOSURES
COMMANDERS DIARIES

PART 3

COMMANDERS DIARIES
INSTRUCTIONS

AIM

- 1. The aim of a Commanders Diary is to provide data on which to base future improvements in Army training, equipment, organization and administration, and to furnish historians with a record of the activities of units and formations in operational and non-operational periods in peace and in war.

GENERAL

- 2. Entries are to be made daily on AF C 2118 (Adapted) each entry being initialled by the officer detailed to keep it.
- 3. Commanders Diaries will conform with the rules for drafting orders given in "Staff Duties (Australia)", Chapter 2, Section 12.

RESPONSIBILITY

During Non-operational Periods

- 4. A Commanders Diary is to be compiled by commanders of all formations.

During Operational Periods (1)

- 5. A Commanders Diary is to be compiled in duplicate by:
 - a. Commanders of all formations.
 - b. Each branch of the staff at formation headquarters commanded by a brigadier or above.
 - c. Heads of services not below the rank of lieutenant colonel.
 - d. Personal staffs and officers holding special appointments.
 - e. Unit commanders.
 - f. Commanders of a detachment of a unit when so ordered.

COMPILATION

- 6. Both original and duplicate copies are to consist of:
 - a. Cover (AF C 2119) (Adapted).
 - b. Index as printed on cover.
 - c. Narrative (AF C 2118) (Adapted).
 - d. Annexes as shown in the Index.
- 7. All details of the unit or formation (if a detachment is concerned, the name of the parent unit), period covered and enclosure numbers of the annexes are to be shown on the cover. If there has been a change of command since the last report, the date of assumption by the new commanding officer is to be included.
- 8. The annexes are to be assembled in the groups shown on the cover. If there are no enclosures for an annex NIL will be entered on the cover. If additional annexes are convenient for a particular headquarters, starting at B.

for operations form Annex "Z", "TOP SECRET the document. It is to be prepared and disposed of as

TENTS

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d orders given.
he day's fighting, including company movements.
amander with regard to equipment, tactics, organization

potential importance.
o officers, men and equipment.
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and to save work as much information as possible is to
ments issued and received, routine returns, etc. All
and the time of receipt or despatch is to be given.

he annexes, but need not give a precis of any of them.

(continued on back cover)

AWM 95
[6/2/Jul 67]

TOP SECRET
COMMANDERS DIARIES

AF C 2118 (Adapted)

TOP SECRET

COVERING LETTER

TOP SECRET

DISPOSAL

13. Original Commander's Diary. This is to be forwarded monthly, unless otherwise ordered, by the seventh day of the succeeding month direct to AHQ.

14. Duplicate Commander's Diary. This must be clearly marked as a duplicate. It is to be sent separately from the original to AHQ one month after the original has been despatched but not before the former has been acknowledged.

15. When overseas, both copies of diaries are to be sent through the Army Records organization in the overseas theatre but at different times.

16. TOP SECRET Supplementary Diaries.

a. The documents referred to in Paragraph 9 together with a list of them made out on AF C 2118 (Adapted) must be placed in separate cover (AF C 2119) (Adapted). All details must be filled in and the cover clearly marked in red: "ANNEX Z — OFFICER ONLY". It may be convenient to group the papers by appendices.

b. Supplementary diaries must be forwarded under the normal rules for TOP SECRET correspondence, to AHQ. The inner envelope must be plainly marked:

TOP SECRET
ANNEX Z to

Commanders Diary of.....(Formation or Unit)

From.....to..... (Dates)

c. The duplicate supplementary diaries must be despatched as shown in Paragraph 14 as soon as receipt of the original has been acknowledged.

COMPILATION

6. Both original and duplicate copies are to consist of:

- a. Cover (AF C 2119) (Adapted).
- b. Index as printed on cover.
- c. Narrative (AF C 2118) (Adapted).
- d. Annexes as shown in the index.

7. All details of the unit or formation (if a detachment is concerned, the name of the parent unit), period covered and enclosure numbers of the annexes are to be shown on the cover. If there has been a change of command since the last report, the date of assumption by the new commanding officer is to be included.

8. The annexes are to be assembled in the groups shown on the cover. If there are no annexes for an annex NIL will be entered on the cover. If additional annexes are convenient for a particular headquarters, starting at B.

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TENIS

as well as map references), establishment, equipment

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o officers, men and equipment

prisoners captured.

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and to save work as much information as possible is to be included in reports issued and received, routine returns, etc. All dates and the time of receipt or despatch is to be given.

the annexes, but need not give a précis of any of them.

(continued on back cover)

AWM 95

[6/2/Jul 67]

COMMANDERS DIARY NARRATIVE

MONTH AND YEAR Jul 67

REFERENCE MAP VIETNAM 1:50,000 Sheets 6442 I to IV

UNIT/~~FORMATION~~ 104 Sig Sqn

COMMANDING OFFICER Maj G.J. Lawrence

Place and grid reference	Date	Time	Event or information	Annex letter and enclosure number
NUI DAT YS 4367	1 Jul 67		Mess stocktakes finalised. OC to SAIGON overnight for discussion with SO Sigs and OC 110 Sig Sqn.	
	2 Jul 67		NTR	
	3 Jul 67		Lt George to DA NANG for 4 days on courier run.	
	4 Jul 67		OC conferred with 9 US Div Sig Offrs at Bearcat on OP Paddington.	
	5 Jul 67		Unit preparation for OP Paddington.	
	6 Jul 67		Multiple rebroadcast with AN/PRC-25 sets tested in this area.	
	7 Jul 67		Lt George arrived back from DA NANG. 4 OP KBDS returned from 110 Sig Sqn, SAIGON to prepare for OP Paddington.	
	8 Jul 67		Rebroadcast det deployed to Horseshoe feature for op Paddington. LO's det (1 US Bde) deployed for op Paddington. Switchboard test completed for extra lines for OP Paddington. Course Monitoring Report issued.	Annex O Enclosure
	9 Jul 67		D-1 for OP Paddington. Elements of 1 ATF incl 104 Sig Sqn det departed base camp for XUYEN MOC-1 ATF Forward. Comms established.	
	10 Jul 67		HF link and AQ net not working properly.	
	11 Jul 67		Lt Power to 1 ATF fwd.	
	12 Jul 67		Sig Armstrong wounded in mortar attack whilst with LO's det 1st Bde US. Capt Hinton visited 1 ATF forward.	

COMMANDERS DIARY NARRATIVE

UNIT/~~FORMATION~~ 104 Sig Sqn

MONTH AND YEAR Jul 67

REFERENCE MAP VIETNAM 1:50,000 Sheets 6442 I to IV

COMMANDING OFFICER Maj G. Lawrence

Place and grid reference	Date	Time	Event or information	Annex letter and enclosure number
NUI DAT	13 Jul 67		Capt James visited 1 ATF Fwd.	
YS 4367	14 Jul 67		NTR	
	15 Jul 67		Unit det returned from 1 ATF Fwd area - end of OP Paddington.	
	16 Jul 67		NTR	
	17 Jul 67		NTR	
	18 Jul 67		Area Line plan completed.	
	19 Jul 67		Practice "Stand To" conducted.	
	20 Jul 67		Lt Power visited "BLACKHORSE" to see Sig Armstrong in 7 Surg Hosp US.	
	21 Jul 67		Voice Procedure lecture to 1 ATF HQ Coy.	
	22 Jul 67		OP Southport commenced. Comms normal.	
	23 Jul 67		NTR	
	24 Jul 67		Sig Armstrong now at VUNG TAU 8 Fd Amb visited by Lt Power.	
	25 Jul 67		NTR	
	26 Jul 67		Deputy Commander inspected Area. Fire practice carried out.	
	27 Jul 67		M60 range practice conducted. Successful VHF test between Saigon and NUI DAT with AN/PRC-25 and AN/VRC-49.	
	28 Jul 67		Further M60 range practice.	
	29 Jul 67		Grenade range practice.	

This form is to be enclosed with the annexes in AF - C 2119 (Adapted).

COMMANDERS DIARY NARRATIVE

AF - C 2118 (Adapted)
Revised Jun, 1965

UNIT/~~FORMATION~~ 104 Sig Sqn

MONTH AND YEAR Jul 67

REFERENCE MAP VIETNAM 1:50,000 Sheets 6442 I to IV COMMANDING OFFICER Maj G. Lawrence

Place and grid reference	Date	Time	Event or information	Annex letter and enclosure number
NUI DAT	30 Jul 67		Six MG bunkers built - rehabilitation of defence works.	
YS 4367	31 Jul 67		Subject "C" course for Cpls and Sgts commenced. Radio Tp assisted 1 AUST CA Unit in aerial erection and radio techniques. Voice procedure lecture for TOPO Svy Unit Det commenced. Unit Monthly report issued. Sig Armstrong RTU.	ANNEX N enclosure 1

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ANX N ENCLOSURE 1
TO 104 SIG SQN
COMMANDERS DIARY
JUL 67.
104 Sig Sqn
NUI DAT
31 Jul 67

R723-1-4

SO Sigs AFV (4)

MONTHLY REPORT - JULY 67

Equipment

1. Vehicles Serviceable vehicles have been increasing slowly. Now, all but two Landrovers are running. Six vehicles declared beyond repair in the theatre have been replaced.
2. AN/PRC-64 Recently a general discussion was held with some 15 regimental signallers of 1 SAS Sqn. This squadron uses these radios extensively. The following points which came out of the discussion may be of interest:
 - a. Reliability The basic radio has proved to be most reliable. Only one operator reported a set fault and as it could not be demonstrated on his return from patrol it is still classed as a mystery while the set continues to give good service.
 - b. Battery Life Operating time varies but seldom exceeds one hour per day. Apart from two instances of faulty batteries, batteries have never needed changing during a patrol.
 - c. Microphone This is never used and is never carried on patrols.
 - d. Key The key on the radio is never used. All operators have their own keys (mainly acquired from A510 radios).
 - e. Earpiece The earpiece is not liked by any operator. They report it often falls out. There is a need for a lightweight headphone.
 - f. Antenna Only one operator uses the dipole, and then not always. Most operators do not carry the dipole but take instead a random length of wire which is erected as an inverted L. Generally, antenna height does not exceed 10 feet. A ground connection is always made to the set.
 - g. General
 - (1) Only once in recent months has an operator failed to make contact with the base station or a relay station which is sometimes established. This was under very difficult circumstances where surrounding VC precluded experimenting with aerials.
 - (2) The base station uses a reception set R-391/URR and an AN/PRC-47.

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Operations

3. PADDINGTON This was the biggest operation that 1 ATF has undertaken. Attached is a copy of the Sig Instr which was issued with the 1 ATF Operation Order. Attached also is a copy of a revised telephone directory issued in the field. All facilities worked as planned but the AQ net was not required and was eventually closed. Some points which may be of interest are:

- a. An ad hoc Troop of 36 all ranks incl US Sigs attached was formed. It was commanded by the troop officer of TF HQ Sig Tp. He, with a troop sergeant, handled all aspects of setting up, defense and administration. I moved with HQ 1 ATF Forward and stayed with the forward HQ throughout the operation. From here I commanded all elements of the squadron and co-ordinated with the US Sigs, mainly using RR circuits with occasional liaison visits.
- b. The HQ 1 ATF Fwd recce party included the troop commander and line corporal. This recce party had to clear the area as they went, necessitating more effective weapons than pistols be carried.
- c. The recce party, 14 other RA Sigs personnel, essential radios and line equipment were flown in. The remainder of the ad hoc Troop moved in by road convoy. The Sigs arrangements proceeded as a normal step-up operation and no difficulties were encountered.
- d. One LO detachment was deployed at 1st US Bde Tac HQ. One night the VC mortared this HQ and a fragment entered the right thigh of Sig ARMSTRONG as he was proceeding to a bunker. He was quickly evacuated to a US hospital and later to 8 Fd Amb at VUNG TAU. His condition is very satisfactory and although he is starting to walk again it will be a further two or three weeks before he has fully recovered.
- e. Lessons Some of these are not new but perhaps they are worth mentioning:
 - (1) Cable The amount of D10 cable was underestimated and over 10 miles was finally laid (8 miles was taken initially). About 300 yards of 5 pair cable was laid from the RR terminal while additional tails and remotes from the same area used D10. There is a requirement for the squadron to hold about half a mile of 5 pair cable.
 - (2) Lines Everyone re-learned that tracked vehicles cut cable! However the ground was so muddy that lines could not be buried and in many places there were no trees for aerial routes. There still seems to be a requirement for 21 foot wooden masts to be held by TF Sig Sqns.
 - (3) Telephones Users underestimated their requirements and so we took insufficient phones but we had more flown in later.
 - (4) SOPs The HQ 1 ATF Fwd SOP was out of date so we ended up relocating phones and remotes several times. Our own SOPs were not above reproach either, mainly load lists were unsatisfactory.

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(5) VHF Interference Interference was particularly bad in the early stages of the operation. This was not unexpected and I had included a two man comsec det in the ad hoc troop with one task of identifying interfering nets so that re-assignments could be made.

(6) The advantages of RR were brought out to the staff once again. B70s could have been used to tie up switchboards in the HQ 1 ATF Fwd/Arty/Log areas as cable was unreliable with all the tracks. However, between forward and rear HQs AN/MRC-69s are required (provided by 9 US Div Sig Bn on the operation as this was our superior HQ) and additional equipment and men are required for the task. A separate submission has been made on this subject to HQ 1 ATF.

f. General All communications worked very well throughout the whole operation. All men at all locations worked hard and well and there were no significant equipment failures.

4. SOUTHPORT This was conducted to the NORTH of our TAOR. The rubber makes VHF comms difficult and poor communications have been experienced previously. On this occasion, using the AN/VRC-49 as the control station there was no difficulty at all.

Sector Defence

5. More defensive wire has been laid. Material for the MG bunkers (seven) has now been received and these will be built shortly.

General

6. I cannot help wondering if anyone ever reads these reports and if so if there is ever anything more than general interest in them. There has never been any query or comment on any aspect of any report I have submitted. I would have thought some of my remarks would have raised a comment somewhere. For example:

a. The April report para 5 mentions the poor area switchboard but there was no action until I raised the matter separately.

b. The April report para 6 stated the TF TG net was closed. This has wide ramifications in TF Sig Sqns but there has been no comment on it.

c. The May report para 3 states that our cipher equipments are quite unreliable and that they overheat but there has been no remark or suggestion.

d. The May report para 10 states a requirement for a light-weight mast which has brought no reaction.

e. The June report para 5 mentions unsatisfactory aerial rebroadcast. Perhaps other Sigs units or D Sigs has some knowledge of this technique and I could have been given useful suggestions.

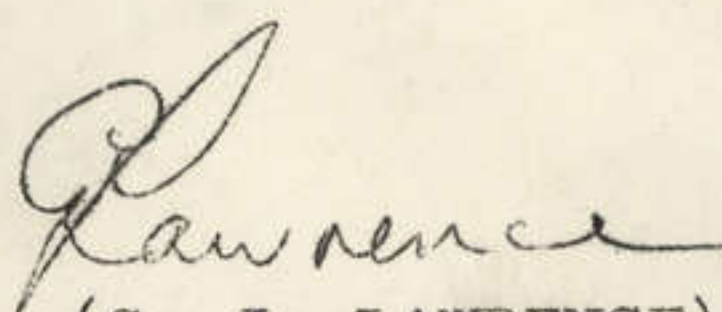
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7. It would seem that the best way for me to get advice and assistance from the resources of our Corps is to raise separately any matter, which is what I have to do at present. General statements such as appear in my reports do not appear to be of any value.

8. These reports take a considerable time to prepare and since their value seems limited I propose to stop them.



(G. J. LAWRENCE)
Major
Officer Commanding

Copy to:
139 Sig Sqn

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COPY NO. 96
1 ATF
NUI DAT

070001H Jul 67
Sigs 199

SIG INSTR 1/67 (OP PADDINGTON)

Time zone used throughout this instr : HOTEL

General

1. All comm facilities currently provided in the Nui Dat base area will continue unchanged. This instr details additional facilities to be provided for the op.
2. 1 ATF SOIs for July 67 apply except where noted.

Radio

3. 1 ATF Comd Net. The existing net, with additional stas, will be used for the op. A new net known as the 1 ATF Comd Net Voice Rear will be estb at a time to be advised on 9 Jun for use by units and rear elements of units which remain in the Nui Dat base area. See Annex A.
4. AQ Net. An AQ net will be established. See Annex B. This net will not open until after the 1 ATF Comd Net Voice opens at HQ 1 ATF Fwd.
5. 1 ATF Tac Air Net. This will op from the present area until HQ 1 ATF Fwd opens. The con sta will then op from HQ 1 ATF Fwd while the radio at HQ 1 ATF Rear maintains listening watch.
6. 9 Inf Div HQ Nets. HQ 1 ATF Fwd will op a sub sta on the CG Comd Net onsecure and will be prepared to operate on the Intel Net. See Annex C.
7. Monitor. A VHF monitor set will be provided at HQ 1 ATF Fwd.
8. HF Tg. A one-to-one HF tg circuit will be op between HQ 1 ATF Fwd and Rear for the transmission of formal traffic between sigcens.
9. Radio Rebroadcast.
 - a. The AQ net will be rebroadcast from Nui Dat 3, 2 Km NORTH of Xuyen Moc. This rebroadcast sta may be used to rebroadcast stas on the 1 ATF Comd Net before HQ 1 ATF Fwd is estb., should this be necessary.
 - b. A ground rebroadcast sta will be deployed at the HORSESHOE by 081200H Jul 67. It may be used on the 1 ATF Comd Net to rebroadcast stas moving to the AO before HQ 1 ATF Fwd is estb.
 - c. An aerial rebroadcast facility will be available within 30 minutes from 081200 hrs H Jul 67. It is primarily for use on the 1 ATF Comd Net voice but may be available for internal unit communication.

Sigcen

10. A Sigcen will be estb at HQ 1 ATF Fwd. It will provide the usual sigcen facilities including crypto.

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2.

DR.

11. A DR office will be estb in the sigcen. It will deliver to HQ 1 ATF Fwd, Arty Tac, HQ Coy and CA at approximately 1100 and 1600 hrs daily.

12. There will be . ADS runs between HQ 1 ATF Fwd and Rear departing HQ 1 ATF Rear at 1030 and 1600 hrs daily.

13. 9th Div will provide an air messenger service to include 9th Div Tac, 1st Bde Fwd, TF BRAVO and 1 ATF Fwd CPs.

Tele

14. Trunk circuits and exclusive circuits are given in Annex B. A tele directory giving subscribers to the swbd to be estb at HQ 1 ATF Fwd will be issued separately.

G. J. Lawrence maj
(G.J. LAWRENCE)
1 ATF Sig O

Annexes. A. 1 ATF Comd Net Voice (VHF)
B. AQ Net Voice (VHF)
C. 9th Inf Div HQ Nets
D. Telephone Communications

Distribution

List Z

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ANNEX A TO
1 ATF SIG INSTR 1/67
DATED 7 JUL 67

1 ATF COMMAND NET VOICE (VHF)

1. Up to and including the morning of 9 Jul 67 the existing 1 ATF Command Net Voice will continue to operate. The net is given in Appendix 1 Annex A. The rear element of a unit will use an "A" suffix to the callsign, while the main element of the unit when deployed outside the Nui Dat base camp will continue to use the assigned callsign without a suffix.
2. On 9 Jul 67 at a time to be advised, all stations in the Nui Dat Base Camp and the HORSESHOE company will establish a new net with a new frequency and with new callsigns. This net will be known as the 1 ATF Command Net Rear. See Appendix 1 to Annex A.
3. From 081200H until the 1 ATF Command Net Rear is established, units in the Nui Dat Base Area are to minimise traffic on the 1 ATF Command Net and are to use the telephone as the normal means of communication whenever possible.

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APPENDIX 1 TO
ANNEX A TO
1 ATF SIG INSTR 1/67
DATED 7 JUL 67

C O N F I D E N T I A L
1 ATF COMMAND NET VOICE (VHF)

<u>CALLWORD</u>	<u>FREQUENCY</u>
YR	56.35
KT	65.50
FOR REBRO (YC	74.95
(BB	75.95

<u>UNIT</u>	<u>CALLSIGN</u>
1 ATF	43
7RAR	25
2RAR	63
A SQN 3 CAV REGT	23
1 FD SQN	55
HQ COY 1 ATF	66
HORSESHOE COY*	76
COMDS ROVER	45
161 RECCE FLT*	65
1 ARU*	1
1 SAS SQN*	35
LO BINH BA*	46
REBRO	76
LO 1 BDE	21
2-47 INF(M)	61
1-11 CAV	26
SPARE 1	41

* Not on this net after 1ATF
Comd Net Rear opens.

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

C O N F I D E N T I A L
1 ATF COMMAND NET VOICE REAR

<u>CALLWORD</u>	<u>FREQUENCY</u>
YP	58.00
AG	44.30

<u>UNIT</u>	<u>CALLSIGN</u>
1 ATF REAR	3
7RAR REAR	5
2RAR REAR	1
A SQN 3 CAV REGT REAR	4
1 FD SQN REAR	2
161 RECCE FLT	6
DEPUTY COMDS ROVER	7
1 ARU	8
1 SAS SQN	9
LO BINH BA	12
HORSESHOE COY	19
HQ COY REAR	16
SPARE 1	15
SPARE 2	13

Effective only during
OPERATION PADDINGTON

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

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ANNEX B TO
1 ATF SIG INSTR 1/67
DATED 7 JUL 67

AQ NET VOICE (VHF)

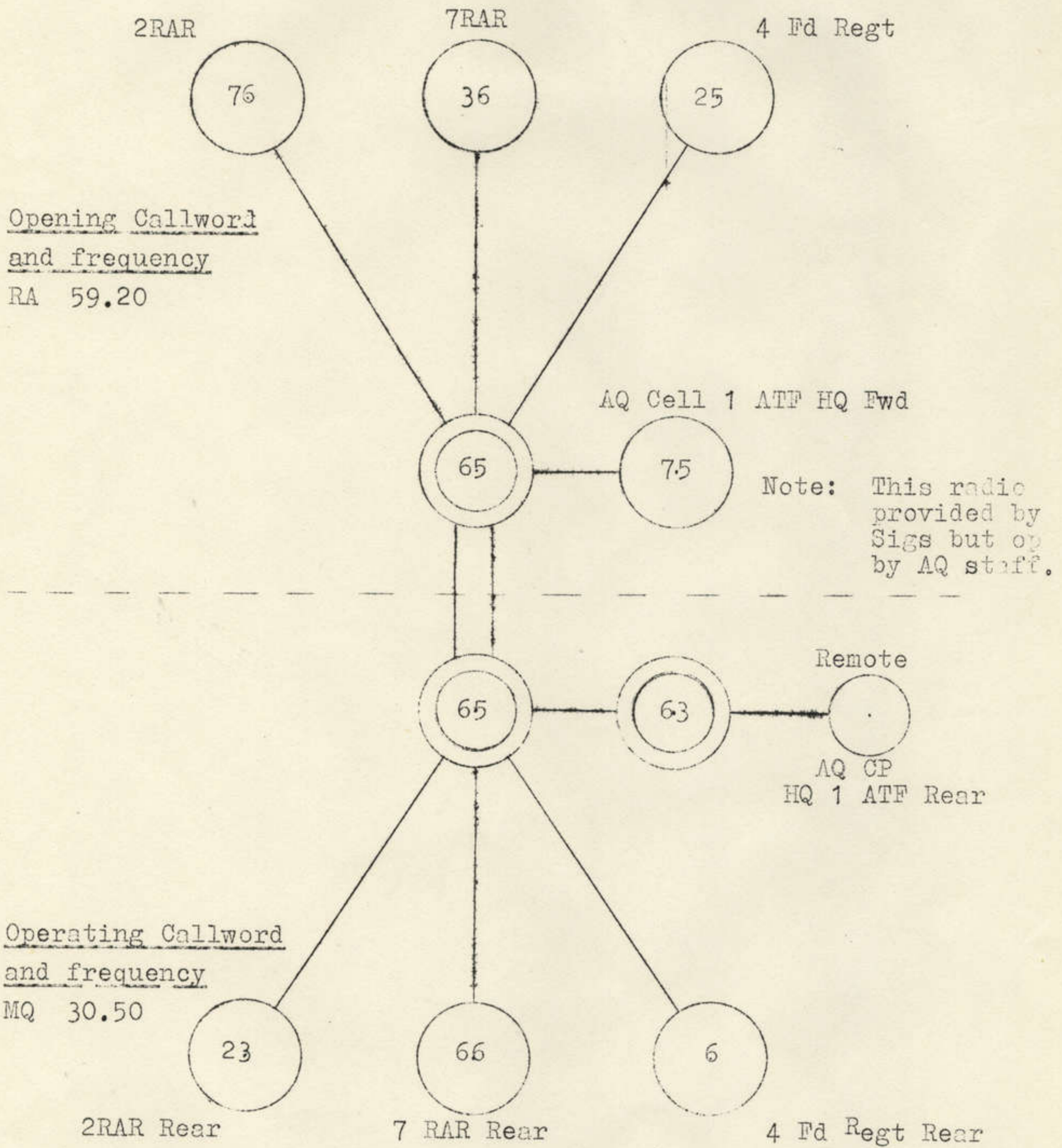
1. An AQ net is to be established. Details are in Appendix 1 to Annex B. 2RAR, 7RAR and 4 Fd Regt will provide their own substations both in the area of operations and in the Nui Dat base area. 104 Sig Sqn will provide an automatic rebroadcast facility to enable the unit in the operational area to work direct to its echelon in the Nui Dat base area. 104 Sig Sqn will also provide the equipment for the AQ Cell at 1 ATF HQ Fwd and AQ CP at 1 ATF HQ Rear.
2. Units involved should note that they will not be using their normal callsigns nor the frequencies assigned in the 1 ATF SOIs for July 67.
3. 2RAR and 7RAR are to establish their air nets in accordance with 1 ATF SOIs for July 67. The AQ Net is not to be used for air/ground communications
4. The AQ Net will not open until after HQ 1 ATF Fwd has been established.

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APPENDIX 1 TO
ANNEX B TO
1 ATF SIG INSTR 1/67
DATED 7 JUL 67

AQ NET



Callsigns are shown in the circles.

Spare callword and frequency
UU 46.70

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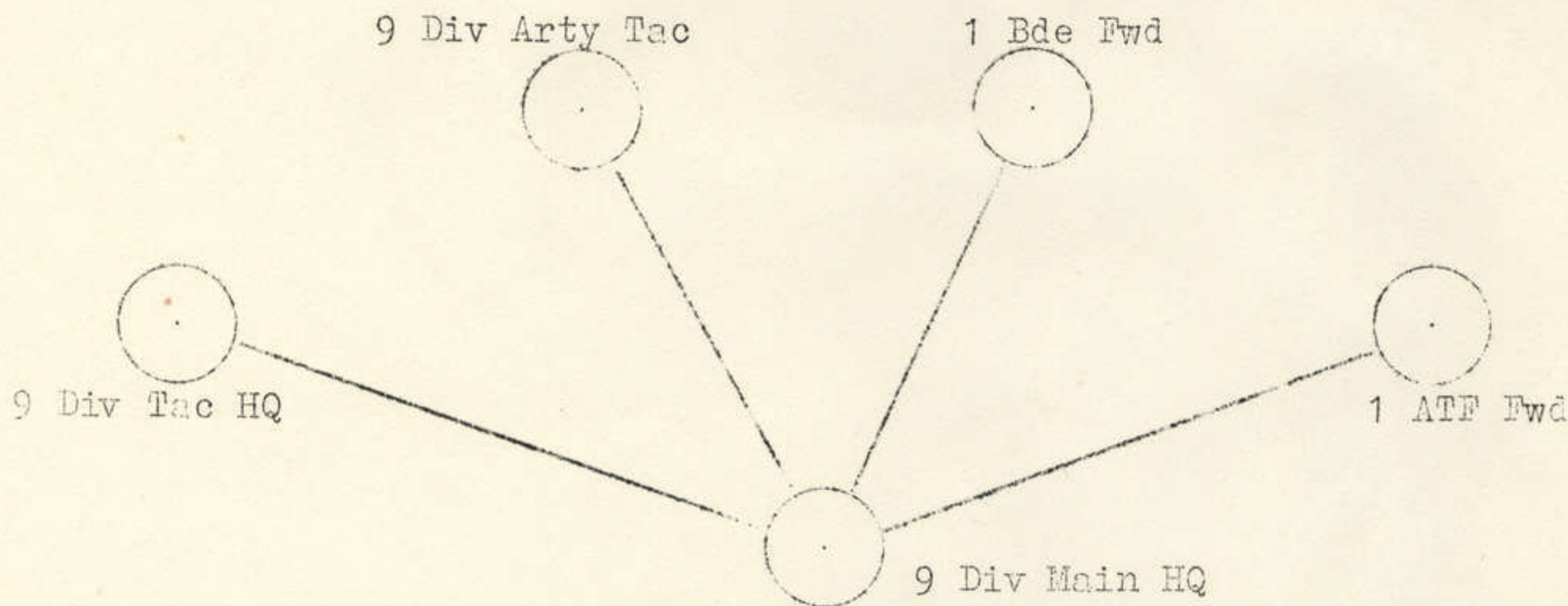
ANNEX ^c 8 TO
1 ATF SIG INSTR 1/67
DATED 7 JUL 67

9th INF DIV HQ NETS

CG Comd Nonsecure

1. This is a VHF FM voice net operated by HQ 9 DIV to major HQs participating in the operation. It is used in a similar fashion to an Australian Army divisional command net voice. 1 ATF will not operate on this net before 100400H Jul 67.

2. Net Details are:



Frequencies:

Primary 59.95 Alternative 66.25

Callwords: To be advised

INTEL

3. This is a 9 Div HQ intelligence net. It operates only when required between the same HQs as shown in Paragraph 2. If 1 ATF Fwd is required on the net, the monitor set will be used.

Frequencies:

Primary 41.40 Alternative 47.55

Callwords: To be advised

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ANNEX D TO
1 ATF SIG INSTR 1/67
DATED 7 JUL 67

TELEPHONE COMMUNICATION

Radio Relay

1. 9 Div Sig Bn will provide a radio relay bearer between HQ 1 ATF Fwd and Rear. This will provide a number of switchboard circuits and a number of exclusive circuits. These are shown in Appendix 1 to Annex D.

1 ATF Fwd Switchboard

2. During OP PADDINGTON a switchboard known as EBONY FORWARD will be established at HQ 1 ATF Fwd. Extensions are shown in the telephone directory issued separately. An emergency switchboard with restricted facilities will also be established.

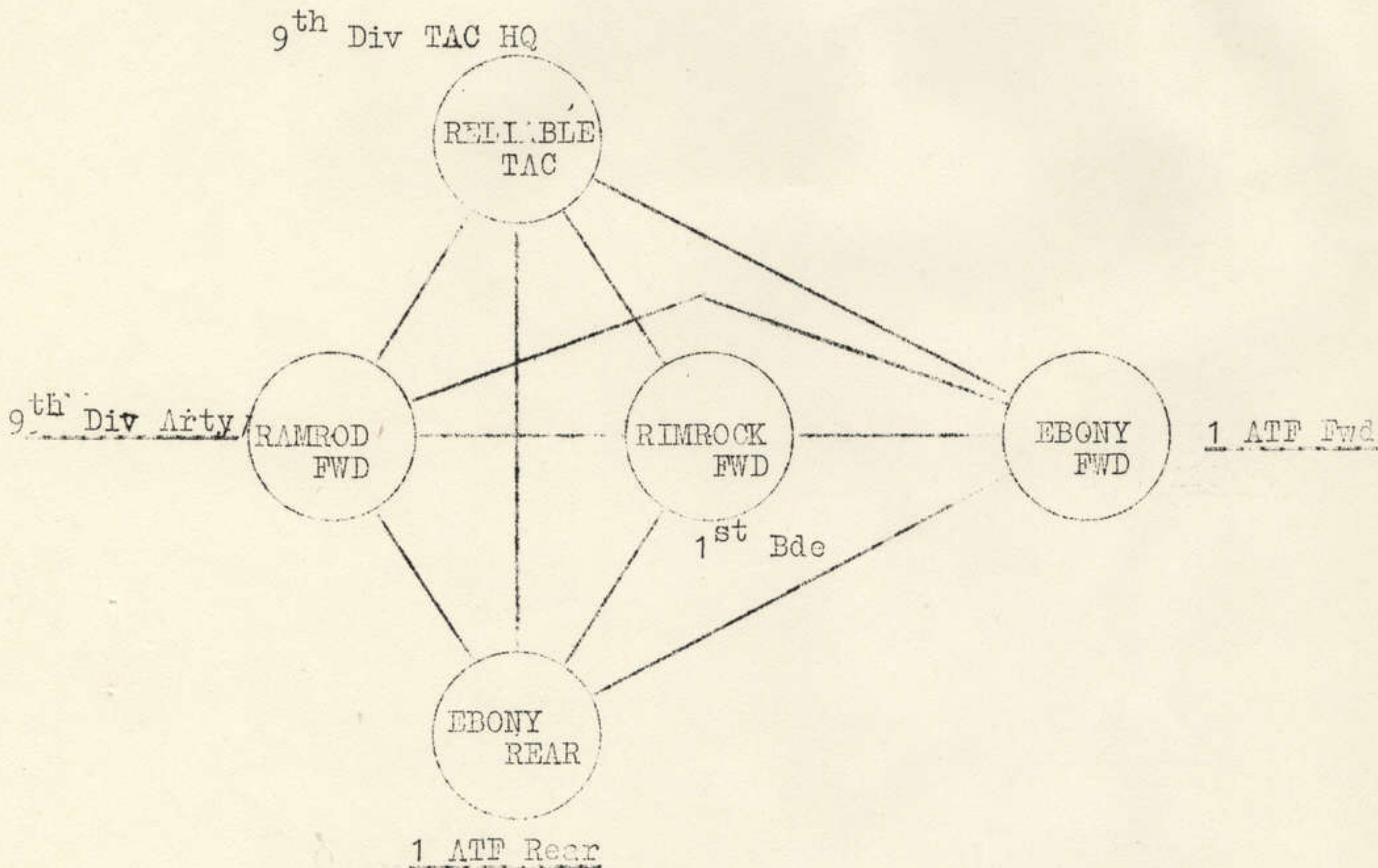
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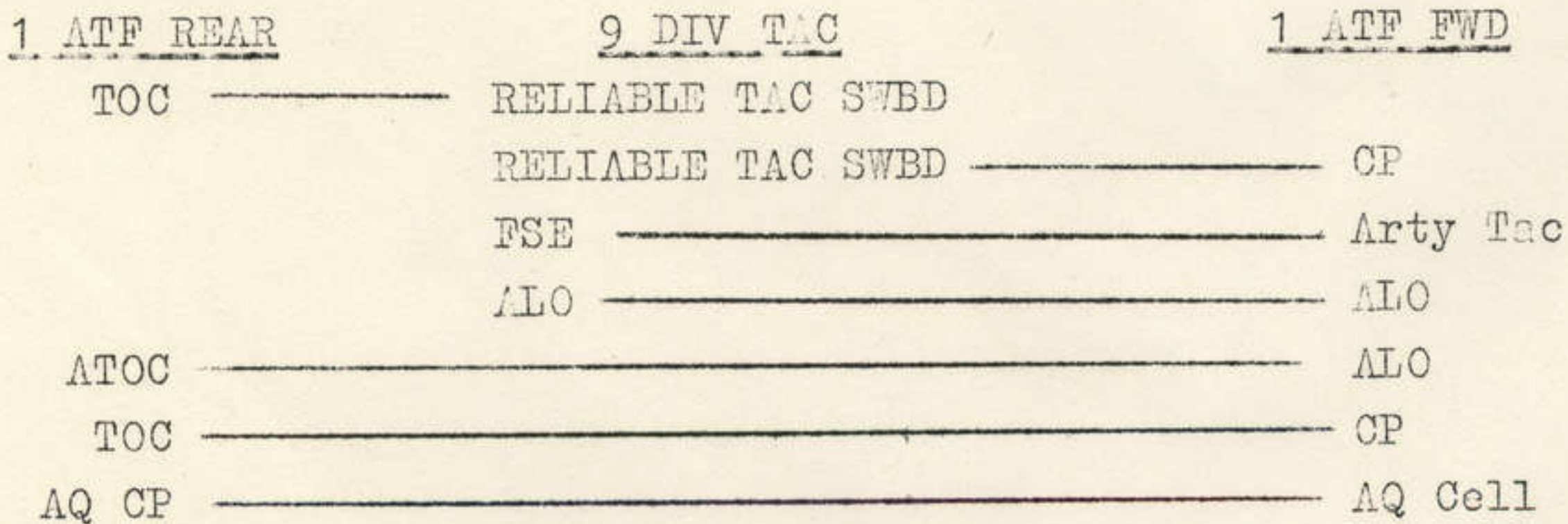
APPENDIX 1 TO
ANNEX 8 TO
1 ATF SIG INSTR 1/67
DATED 7 JUL 67

TELEPHONE TRUNK AND EXCLUSIVE CIRCUITS

TRUNK DIAGRAM



EXCLUSIVE CIRCUITS



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104 Sig Sqn
XUYEN MOC NORTH

10 Jul 67

EBONY FORWARD SWITCHBOARD

1. Subscribers available as at 101400H Jul 67 are listed
below. The only additional subscribers anticipated are at 1st Bde.

LOCALS

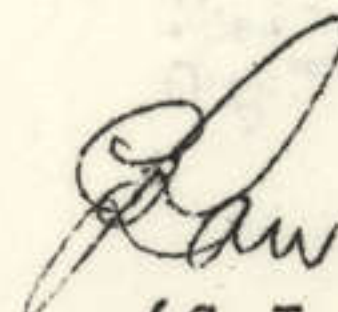
Radio Relay Terminal	9
GS02 Ops (S3)	12
GS02 Int (S2)	14
Arty Tac	15
Air Cell	16
USAFLO	17
Q Rep (S+ rep)	18
1 ATF HQ Coy Dand E Pl	19
1 ALSG D and E Pl	21
Sig O	22
SIGCEN	23
HQ Coy	24
Civil Affairs Det	25
Radio Operators	26
CP 1 ATF Fwd	29

TRUNKS

Reliable Tac, thence Reliable Main if required.
Ebony Rear (Two Channels), thence DEER, EMU, VUNG TAU or
HURRICANE if required.
Rip (2/47 (M) Trains), thence Rip Main and through Rip
main to Roper for 1/11 Arty.
Rimrock Tac.

EXCLUSIVE LINES

HQ 1 ATF Fwd CP	to	HQ 1 ATF Rear CP
HQ 1 ATF Fwd CP	to	HQ 9 Div Tac CP
HQ 1 ATF Fwd CP	to	1 ATF Arty Tac CP
HQ 1 ATF Fwd Q Rep	to	HQ 1 ATF Rear Q
HQ 1 ATF Fwd ALO	to	HQ 1 ATF Rear Air
HQ 1 ATF Fwd ALO	to	HQ 9 Div ALO
HQ 1 ATF Fwd Arty Tac	to	HQ 9 Div FSE
HQ 1 ATF Fwd Arty Tac	to	HQ 1st US Bde FSE


(G.J. Lawrence)
Maj
OC

ANX 0 ENCLOSURE 2.
TO 104 SIG SQN
COMMANDERS DIARY
JUL 67.

AUSTRALIAN MILITARY FORCES

R723/1/2

HQ 104 Sig Sqn
NUI DAT,
8 Jul 67

See Distribution List

COMSEC MONITORING REPORT

Attached is the Comsec Monitoring Report for the period 15 - 30 Jun 67. This report shows a significant improvement in the communication security of 1 ATF.



(G. J. LAWRENCE)
Major
Officer Commanding

Distribution

- HQ 1 ATF (4)
- 2 RAR
- 7 RAR
- 161 (Indep) Recce Flt
- 67 GL Section (2)
- SO Sigs AFV
- File

CONFIDENTIAL

AUSTRALIAN MILITARY FORCES

Comsec Det
532 Sig Tp
NUI DAT
8 Jul 67

OC 104 Sig Sqn

COMSEC MONITORING REPORT 15 - 30 JUN 67

1. The following nets were monitored :

- a. 1 ATF Comd Net - 15 - 20 Jun
- b. 1 ATF Comd Net - 23 - 28 Jun
- c. 7 RAR Air Net - 23 - 30 Jun
- d. 2 RAR Comd Net - 15 - 20 Jun (Op GERALDTON)
- e. Kangaroo Control - 23 - 28 Jun

2. Security on all nets was good. No significant information was revealed and considering the large volume of traffic recorded it would appear that users are exercising considerable caution during conversation.

1 ATF Comd Net

3. No useful information of significance to enemy intercept was recorded. Authentication was used when required. Considering the large number of transmissions made, the security on this net was commendable. Minor breaches are shown in Annex 'A'.

7 RAR Air Net

4. Satisfactory. Security and procedure generally good. The few minor deviations recorded are shown in Annex 'B'.

2 RAR Comd Net

5. Monitored during Operation GERALDTON. Due to extreme range and limitations of equipment available for monitoring, it was not possible to hear many sub-stations on this net. No useful information was detected. From transmissions recorded, this net appears to maintain a satisfactory standard.

Kangaroo Control

6. Since speed is paramount on this net and it is essential to transmit locations etc in clear, it would be unrealistic to consider these transmissions as insecure. The one feature worthy of comment is the approximate locations of all artillery fire positions are readily revealed but since this information is confined to a general area within a grid square, it is doubtful that it could be of much value to the enemy. To encode this information would not be acceptable and would tend to create confusion for the pilots.

A.G. Poulton
A.G. POULTON
OC Comsec Det

1 ATF COMMAND NET

Date/Time (JUN)	Calls		TRANSMISSION	COMMENTS
	TO	FM		
071128	17	20	Reference fire from the sea. Callsign is PERKY BEAR ECHO. Frequency is <u>AGGZL</u> our codes.	
071134	20	17	Ref PERKY BEAR ECHO. I've worked it out to be in the <u>HF Range</u> - - - -	Possibility of compromise if RU frequency was known
	17	20	That's not correct. If you take <u>RU frequency</u> and subtract <u>8.10</u> you should get him	
171450	9	20	- - - - You can use your <u>big tubes</u> on them	Jargon. Not necessary
171452	9	20	- - - - Ref <u>big tubes</u> . I son't mean the <u>big guns</u> - - - - the <u>middle sized ones</u> .	
111957	20	17	Roger. We will be <u>coming back through that area</u>	Future intentions
191203	20	17	Bandit 33 reports sighting one person swimming under-water near peninsula where our troops are soing sweep.	Reveals location of own troops.
191810	-	-	Eagle switch sir Eagle switch sir	Not a deliberate transmissi but illustrates hazards of crossed remote lines
241609			Callsign 3 alone is at <u>XIUPEPG</u> . <u>His callsigns are concentrating on him from there now</u>	Relates high grade and low grade codes
241613			Locstats <u>C/S 31 Giraffe right 1.1 up 0.4 etc</u>	31 is sub-unit of C/S 3

7 RAR AIR NET

Date/Time (JUN)	Calls		TRANSMISSION	COMMENTS
	TO	FM		
230948	OA	9A	Callsign 8 will not be able to move for the 60 to 90 minutes	Intentions
230958	OA	98D	On the way back to <u>D Coy</u> from the rifle range	Should use callsign
231031	96	OA	- - - do not think that's correct callsign <u>Sir</u>	Indicates senior station
241140	92	OA	Possum warming up now. Will be leaving for <u>TF</u> then PORKY SEVEN	TF should be encoded
241507	OA	20B	Now at <u>water point</u> and <u>starting out on patrol</u>	Operations