

Series: AWM95
Australian Army commanders' diaries
[Vietnam]

Signals units

Item number: 6/2/31

Item: 104 Signal Squadron

Narrative

Annex

[1-31 Oct 1969]

COVERING LETTER

Reference No. R 707/1/1

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) [Signature] Maj

Appointment OC 104 SIG SQN (OC Unit or senior staff officer)

17/11/69

SECRET

ORIGINAL } Strike out where
~~DUPLICATE~~ } not applicable

COMMANDERS DIARY

OF

Unit or Formation 104 SIG SQN

From 1 OCT 69 To 31 OCT 69

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

- to
- to
- 1 to
- to
- to
- to
- to
- to
- 2 to 3
- to
- to

† NIL
† RETAINED
† Despatched to

on.....

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

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

CONTENTS

as well as map references), establishment, equipment
orders given.
the day's fighting, including company movements.
commander with regard to equipment, tactics, organization

tential importance.

officers, men and equipment.

ment captured.

employed in the time not accounted for. The type of

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.

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

(continued on back cover)

AWM 95
[6/2/0469]

COMMANDERS DIARIES

SECRET

AF C 2118 (Adapted)

PART 3

COLEBING TELLER

PART 1

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.

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

COMMANDERS DIARY NARRATIVE

AF-C 2118 (Adapted)
Revised Jun, 1965

MONTH AND YEAR OCT 69

REFERENCE MAP VIETNAM 1:50,000 SHEETS I to IV

UNIT/FORMATION 104 SIG SQN

COMMANDING OFFICER MAJ K.P. MOREL

Place and grid reference	Date	Time	Event or information	Annex letter and enclosure number
YS 4367	1 OCT		CMF Visitor Lt J.F. Schmidtchen 140 Sig Sqn arrived.	
			CMF visitor Capt R.H. Detering departed.	
	15 OCT		CMF visitor Lt J.M. Paul 124 Sig Sqn arrived.	
			CMF visitor Lt J.F. Schmidtchen departed.	
	22 OCT		D SIGS Col J.I. Williamson arrived for three day visit with Unit.	
	23 OCT		Changeover from TC - 10 Switchboard to an AN/MTC - 1	See Annex L3
	25 OCT		D SIGS departed for 110 Sig Sqn.	
			CSO IIFV Col Geraci visited the Sqn.	
	26 OCT		SOI for Nov issued	Annex C 1
	29 OCT		Capt D.J.F. Nickols detached to Xuan Loc YT 4609 as Ops LO to 199 Light Int Bde (US).	
			CMF visitor Maj P.J. Stanbridge 8 Sig Regt arrived.	
			CMF visitor Lt J.M. Paul 124 Sig Sqn arrived.	
	30 OCT		Six Monthly Trg Report submitted.	Annex L 3

77 4609

enclosure 1

C O N F I D E N T I A L
1 ATF SOI NOVEMBER 69

EFFECTIVE: - 010001H NOVEMBER 69

311

1. ATTACHED IS A COMPLETE SOI CHANGE FOR NOVEMBER 69.
2. RADIO OPERATORS ARE TO BE MADE AWARE OF THE CORRECT PROCEDURE FOR FREQUENCY CHANGES. INDIVIDUAL RADIO CHECKS CALLED FOR BY SUB-STATIONS WILL ONLY WASTE TIME. AFTER ORDERING A FREQUENCY CHANGE , THE NCS WILL CHECK ALL STATIONS AND ASCERTAIN THAT COMMS HAVE BEEN ESTABLISHED ON THE NEW FREQUENCY.
3. PEN & INK AMENDMENT 1.
ITEM 15, PAGE 43.
AFTER LO LONG DIEN, INSERT LO 199th LIB.

K.P. Morel

(K.P. Morel)
Maj
1 ATF Sig Offr.
20 Oct 69.

CONFIDENTIAL

1 ATF SOI

Item No 1 - INDEX

TITLE CLASSIFICATION	ITEM No	PAGE No	EFFECTIVE
<u>GENERAL SECTION</u>			
Index	1	1- 2	NOV 69
Distribution	2	3- 4	"
General Information	3	5-11	"
<u>FREQUENCY SECTION</u>			
VHF Freq Allocation & Callword	4	12-18	"
HF Freq Allocation & Callword	5	19-20	"
VHF Freq Designator Code	6	21-27	"
HF Freq Designator Code	7	28-29	"
<u>MSG CARRYING AGENCY SEC</u>			
1 ATF SDS	8	30-31	"
Air Courier Service	9	32-33	"
1 ATF SWBD Designators	10	34	"
<u>CODES</u>			
Address Groups	11	35-38	"
Operations Code	12	39	"
Numeral/Auth Code	13	40	"
Codewords & Meanings	14	41	"

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1 ATF SOI

NOVEMBER 69

Item No 1 - INDEX

TITLE CLASSIFICATION	ITEM No	PAGE No	EFFECTIVE
<u>RADIO NET SECTION</u>			
1 ATF COMD NET (VHF)	15	42-44	NOV 69
1 ATF REAR COMD NET (VHF)	16	45-47	"
1 ATF BASE DEFENCE NET	17	48	"
1 ATF COMD NET (HF)	18	49	"
1 ATF HQ AIR/ADMIN NET	19	50	"
1 ATF TG LINK	20	51	"
<u>MISC HQ UNIT NETS</u> (HQ Coy, 1 Aust CA Unit, Det AFV Pro Unit, Psy Ops)	21	52	"
B SQN 1 ARMD REGT	22	53	"
B SQN 3 CAV REGT	23	54	"
1 FD Regt Nets	24	55	"
<u>MISC UNIT NETS</u> (1 FD SQN, 17 Const Sqn, 547 Sig Tp, 1 ARU, TEMA, 106 FD Wksps)	25	56	"
TEMA AIR NET	26	57	"
5 RAR Nets	27	58	"
6 RAR Nets	28	59	"
9 RAR Nets	29	60	"
3 SAS Sqn	30	61	"
Air Frequencies	31	62-63	"
Antenna RC 292	32	64	"
Special Instructions	33	65-66	"

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CONFIDENTIAL

1 ATF SOI

NOVEMBER 69

Item No 2 - DISTRIBUTION

UNIT	SOI Nos	NFM CODE No	OP CODE No
HQ 1 ATF	1- 11	1- 11	1- 11
HQ COY 1 ATF	12- 14	12- 14	12- 14
B SQN 1 ARMD REGT	15- 36	15- 30	15- 30
B SQN 3 CAV REGT	37- 47	31- 55	31- 55
1 FD REGT	48- 55	56-134	56-122
1 FD SQN	56- 62	135-148	123-130
17 CONST SQN	63- 64	149-150	131-132
104 SIG SQN	65- 78	151-158	133-141
DET 110 SIG SQN	79- 80	-	-
547 SIG TP	81	-	-
5 RAR	82-111	159-218	142-201
6 RAR	112-142	219-289	202-271
9 RAR	143-172	290-348	272-330
3 SAS SQN	173-174	349-350	331-332
1 ARU	175-176	351-356	333-338
161 RECCE FLT	177-196	357	339
106 FD WKSPS	197	358	340
DET AFV PRO UNIT	198	-	-
1 AUST CA UNIT	199	359	341
MILO	200	360	342
1 ATF LO TEAMS	201-210	361-370	343-352
TEMA	211-214	371-373	353-355

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1 ATF SOI

NOVEMBER 69

Item No 2 - DISTRIBUTION

UNIT	SOI Nos	NFM CODE Nos	OP CODE Nos
CSO HQ AFV	215	374	356
HQ 1 ALSG	216	375	357
110 SIG SQN 1 ALSG	217-219	376-378	358-360
67 GL SECTION	220-254	379-393	-
AV 1356 OLIVE			
STEELE	255	394	361
11th ACR	256	395	362
USARV LONG BINH	257	396	363
ARTY OFF 2 FFV	258	397	364
SIG OFF 2 FFV	259	398	365
AUST LO G3			
PLANS LONG BINH	260	399	366
HQ 48 TRANS GP	261	400	367
SOUTHERN SUR GP	262	401	368
SECTOR HQ BARIA	263-264	402-403	369-370
COM RIV PAT	265	-	-
199 LIB	266	404	371
12th CAG	267	405	372
JADE CONTROL	268-277	-	-
HHV HQ BTY	278-281	406-409	373-376
SPARES	282-300	410-450	377-400

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CONFIDENTIAL

1 ATF SOI

NOVEMBER 69

INFORMATION

Item No 3 - GENERAL

1. All items in this SOI are classified CONFIDENTIAL and are to be safe guarded in accordance with current military security instructions. Extracts are authorised but are to be classified CONFIDENTIAL and handled accordingly.
2. A loss or possible compromise is to be reported IMMEDIATELY to HQ 1 ATF.
3. Item No 12, Operations Code, are classified CONFIDENTIAL/CRYPTO under U.S. security classification of CONFIDENTIAL.
4. Operations Codes are issued in sets of sixteen, these sets are used to cover a period of 32 days on a 48Hr changing basis.
5. Numeral Authentication Codes are 12Hourly changing ie. Day 1. 0001-1159 and 1200-2359 are to be used on the first day of the month, Day 2 on the 2nd day, etc.....
6. The Frequency designator code is issued in groups of 4, each of 8 days, changes are to be made at 0001 hrs on the day concerned. This code must be used to refer to frequencies over unclassified circuits. CALLWORDS must not be used for this purpose.

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CONFIDENTIAL

1 ATF SOI

NOVEMBER 69

INFORMATION

Item No 3 - GENERAL

- 7 Radio Frequencies, Callwords & Callsigns used within 1 ATF are assigned by this HQ. Use of Frequencies, Callwords or Callsigns not assigned by this HQ is prohibited.
8. Minor changes to this SOI will be disseminated by pen & ink amendments to items concerned.
9. Monthly changing items, such as address Groups, Codes etc, will be issued as new page amendments. On receipt of new pages, the OLD ones are to be destroyed.
10. This publication is not to be carried forward of the LOWEST HQ to which it is issued.

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CONFIDENTIAL

1 ATF SOI

NOVEMBER 69

INFORMATION

Item No 3 - GENERAL

1. CALLWORDS. These callwords are convenience designators assigned to key personnel to assist in flight following and to be used when reference to the designated individual is made over radio sets.
2. The callwords listed below are to be used for visitation purposes only.

<u>ASSIGNMENT</u>	<u>CALLWORD</u>
COM US MACV	COBRA CATCHER
DEP COM US MACV	FLINT GLASS
<u>II FFV</u>	
CG II FFV	STOUT FELLOW
DEP CG II FFV	BRAHMA BULL
<u>FREE WORLD FORCES</u>	
COMD AFV	GLASS DOOR
DEP COMD AFV (COMRAAF)	BRICK QUARRY
COMD NEW ZEALAND	
ARMY FORCES VIETNAM	AXE BLADE
COMD 1 ATF	HARD ROCK
DEP COMD 1 ATF	OLD NOTE
TF AIR COMD	SEA WEED
PSY OPS	LITTER BUG

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1 ATF SOI

NOVEMBER 69

INFORMATION

Item No 3 - GENERAL

CONVOY CONTROL & ROUTE INFORMATION

- FREQ - 56.10 (PRI) NCS Callsign
55.60 (ALT) TAOC
1. For communications with B SQN 3 CAV REGT CP. NCS is to remain on listening watch at all times. Substations call, (using Own callsigns), for the following reasons.
 - a. Convoy Control.
 - b. Convoys which require immediate assistance from B SQN 3 CAV REGT.
 - c. Aircraft on-route recce to report sightings &/or incidents along route.
 - d. Stations joining B SQN 3 CAV REGT Convoys (After reporting in on Convoy Frequency) will change to convoy control internal 46.30 MHz.

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Item No 3 - GENERAL INFORMATION

READY RE-ACTION FORCE FREQUENCY

53.50 is the READY RE-ACTION FORCE INTERNAL FREQUENCY.
This Frequency is compatible with Armoured Corps radio equipments. Callwords will change every month in accordance with Item No 4 of this SOI.

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Item No 3 - GENERAL INFORMATION

MEDEVAC - Saigon/Long Binh area.
Saigon Freq: 45.70
Callsign: SAIGON DUSTOFF.

Long Binh Freq: 45.70
Callsign: LONG BINH DUSTOFF

III & IV CTZ Freq: 45.70 (Pri)
46.90 (Alt)

Callsign: DUSTOFF

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Item No 3 - GENERAL INFORMATION

EMERGENCY AIR TO GROUND ASSISTANCE

a. GROUND UNITS. Ground Units requiring EMERGENCY assistance (radio relay, casualty evacuation when DUSTOFF is not available) Artillery or Gunship Support must first signal the aircraft with flares, lights, panels or some other means.

b. AIRCRAFT. All aircraft observing unusual activity or signalling by ground units or convoys will immediately attempt to establish contact using the emergency contact Frequency of 38.90 MHz and offer assistance.

Item No 4 - VHF FREQ ALLOCATION & CALLWORD

FREQ (MHz)	ALLOCATION	CALL WORD
30.30	POSSUM CONTROL	--
30.50	6 RAR	JH
31.60	AVIONICS TEST FREQ	TS
32.30	1 ATF TAC AIR	--
32.30	ATOLL & JADE CONTROL	--
32.60	104 SIG SQN	BM
32.90	9 RAR BN COMD NET (PRI)	PR
33.20	1 ALSG	CA
33.35	104 SIG SQN	YL
33.40	LUSCOMBE ADVISORY	--
33.50	5 RAR	DM
33.85	104 SIG SQN	NY
34.80	6 RAR	SZ
35.00	DINGO CONTROL	--
35.05	9 RAR BN COMD (ALT)	GP
35.25	1 ALSG	QK
35.45	3 SAS SQN	WJ
35.55	1 FD REGT	AW
35.65	5 RAR	HW
35.75	104 SIG SQN	VR
35.85	9 RAR	DY
35.95	DET AFV PRO UNIT	KT
36.45	1 ALSG	VC
36.50	106 FD WKSPS	HB

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Item No 4 - FREQ ALLOCATION & CALLWORD

Item No 4 - FREQ ALLOCATION & CALLWORD

FREQ (MHz)	ALLOCATION	CALLWORD
36.70	B SQN 1 ARMD REGT	MR
36.75	6 RAR	YC
36.90	104 SIG SQN	LK
37.00	B SQN 3 CAV REGT	HS
37.15	1 FD REGT	XR
37.35	3 SAS SQN	NG
37.55	6 RAR	AX
37.70	LUSCOMBE ADVISORY (ALT)	--
38.40	B SQN 1 ARMD REGT	QP
39.25	DET AFV PRO UNIT	EX
39.95	5 RAR	WT
40.25	1 FD REGT	SK
40.55	1 ALSG	AR
40.70	NUI DAT ARTY	--
41.20	9 RAR	QV
42.25	5 RAR	DF
42.50	1 ATF BASE DEFENCE NET	--
43.05	6 RAR	ZB
43.10	9 RAR	NW
43.30	B SQN 3 CAV REGT	RT
43.45	6 RAR	GM
43.50	1 FD REGT	UL
43.80	PSY OPS AIR GROUND	ER
43.90	B SQN 3 CAV REGT	CZ
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FREQ (MHz)	ALLOCATION	CALLWORD
43.95	104 SIG SQN	GX
44.35	5 RAR	YR
44.60	1 ALSG	FA
44.90	1 FD REGT	ME
45.05	6 RAR	PD
45.20	1 ATF REAR COMD NET (ALT)	--
45.25	1 FD REGT	DL
45.60	B SQN 1 ARMD REGT BNC (PRI)	UQ
45.85	3 SAS SQN	EK
46.10	5 RAR	UY
46.30	B SQN 3 CAV REGT	JL
46.55	1 ALSG	XN
47.10	B SQN 1 ARMD REGT	LY
47.35	1 FD REGT	VL
47.45	1 ATF REAR COMD NET (PRI)	--
47.75	3 SAS SQN COMD NET (PRI)	KS
47.90	POSSUM CONTROL (ALT)	--
47.95	5 RAR	QB
48.55	9 RAR	FU
48.70	17 CONST SQN	TG
48.80	104 SIG SQN	BR
48.85	9 RAR	AV
49.35	B SQN 3 CAV REGT	GS
49.95	6 RAR	WS
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Item No 4 - VHF FREQ ALLOCATION & CALLWORD

Item No 4 - VHF FREQ ALLOCATION & CALLWORD

FREQ (MHz)	ALLOCATION	CALLWORD
50.40	17 CONST SQN	MT
50.55	3 SAS SQN	PC
50.75	5 RAR	BZ
51.30	6 RAR	TM
51.35	104 SIG SQN	NA
51.65	9 RAR	VD
52.50	B SQN 3 CAV REGT	CV
52.70	1 ATF SECURE (PRI)	--
52.85	1 FD REGT	PK
53.50	READY RE-ACTION FORCE	FJ
54.20	1 FD REGT	GL
54.60	TFMA AIR (PRI)	--
55.00	1 ATF COMD NET RETRANS 1.	--
55.30	5 RAR	KR
55.55	9 RAR	RA
55.60	B SQN 3 CAV REGT	ZS
55.80	6 RAR	SE
56.05	5 RAR	GH
56.20	B SQN 3 CAV REGT	SG
56.15	1 FD REGT	KU
56.50	9 RAR	LA
56.60	1 ATF HQ AIR ADMIN NET	--
56.80	1 FD REGT	QU
56.85	6 RAR	TV
57.10	1 FD REGT	WV
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FREQ (MHz)	ALLOCATION	CALLWORD
57.20	1 ATF SECURE (ALT 1)	--
57.25	1 FD REGT	FE
57.40	TFMA AIR (ALT)	--
57.65	1 FD REGT	KH
57.70	B SQN 3 CAV REGT CN (PRI)	BP
57.80	9 RAR	KF
57.90	1 ALSG	FV
58.25	6 RAR	AC
58.60	104 SIG SQN	LQ
58.65	5 RAR	JG
58.85	9 RAR	PZ
59.10	104 SIG SQN	CW
59.20	1 FD REGT (PRI)	HG
59.25	1 ALSG	BH
59.35	9 RAR	BA
59.40	1 ATF RETRANS 2.	--
59.45	1 FD REGT	VB
59.55	1 ALSG	CQ
59.60	B SQN 1 ARMD REGT	ZD
59.70	1 ARU	NB
59.75	6 RAR	GR
60.05	1 AUST CA UNIT	WL
60.65	B SQN 3 CAV REGT	LB
60.95	1 ALSG	FN
61.20	5 RAR	TR
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Item 4 - VHF FREQ ALLOCATION & CALLWORD

Item No 4 - VHF FREQ ALLOCATION & CALLWORD

FREQ (MHz)	ALLOCATION	CALLWORD	FREQ (MHz)	ALLOCATION	CALLWORD
61.25	6 RAR	ED	68.40	6 RAR	KD
61.35	104 SIG SQN	DN	69.00	1 ARU	KN
61.40	1 FD REGT	BG	70.25	104 SIG SQN	AY
61.50	TFMA CONVOYS	JY	70.65	1 ALSG	LU
61.65	1 ATF COMD NET ALT	--	71.05	B SQN 3 CAV REGT	EL
61.85	104 SIG SQN	XL	71.35	104 SIG SQN	KM
61.95	6 RAR BN COMD (PRI)	NK	71.90	5 RAR	ZK
62.50	104 SIG SQN	AD	72.00	1 AUST CA UNIT	MA
62.60	9 RAR	JE	72.50	104 SIG SQN	US
63.05	5 RAR	EP	73.45	104 SIG SQN	DA
63.10	1 FD REGT	FZ	74.60	6 RAR	RM
63.30	1 FD SQN	UA	74.95	1 FD REGT	PL
63.40	104 SIG SQN	HN	75.20	104 SIG SQN	SW
63.50	1 ALSG	RD	122.60	POSSUM CONTROL	--
63.65	6 RAR	YG	122.90	LUSCOMBE ADVISORY	--
64.45	1 ATF COMD NET (PRI)	--	126.20	DINGO CONTROL	--
64.50	104 SIG SQN	BT	131.20	ALBATROSS CONTROL	--
64.55	5 RAR	PV	134.80	DINGO CONTROL	--
64.80	9 RAR	VN	134.90	WALLABY CONTROL	--
65.15	HQ COY 1 ATF	MD	241.00	3 SAS SQN LRP GUARD	--
65.20	1 FD SQN COMD NET (PRI)	YX	243.00	EMERGENCY DISTRESS SIG	--
65.55	6 RAR	CX	259.60	DINGO CONTROL	--
65.70	104 SIG SQN	UV	312.10	JADE CONTROL	--
66.95	B SQN 3 CAV REGT	DR	359.60	ALBATROSS CONTROL	--
67.10	5 RAR BN COMD (PRI)	WZ	369.60	NUI DAT ARTY	--
67.85	6 RAR	SQ	380.20	LUSCOMBE ADVISORY	--
68.15	9 RAR	VT	388.10	POSSUM CONTROL	--

Item No 5 - HF FREQ ALLOCATION & CALLWORD

Item No 5 - HF FREQ ALLOCATION & CALLWORD

FREQ (KHz)	EMISSION	POWER (W)	ALLOCATION	CALLWORD	FREQ (KHz)	EMISSION	POWER (W)	ALLOCATION	CALLWORD
2056	6A3	100	1 ATF COMD	FD	3871	1A1	10	3 SAS SQN	GA
2220	6A3	10	5 RAR	TH	4137	1A1	10	6 RAR	HR
2422	6A3	10	104 SIG SQN	ML	4182	6A3	10	104 SIG SQN	GY
2452	6A3	10	104 SIG SQN	CT	4490	6A3	10	547 SIG TP	SV
2540	6A3	10	9 RAR	GC	4660	6A3	10	6 RAR	JQ
2575	6A3	10	3 SAS SQN	XP	5185	6A3	10	547 SIG TP	SD
2616	6A3	100	5 RAR	HT	5215	1A1	10	3 SAS SQN	MF
2629	6A3	100	104 SIG SQN	BS	5752	1A1	10	1 ATF TG	MN
2690	6A3	100	1 ATF COMD	UG	5756	6A3	10	6 RAR	EZ
2776	6A3	10	3 SAS SQN	AM	5908	6A3	10	104 SIG SQN	WR
2780	6A3	100	104 SIG SQN	QH	9319	6A3	100	1 ATF COMD	RC
2805	6A3	10	1 FD REGT	DQ	22750	6A9B	400	104 SIG SQN	BJ
3164	6A3	400	1 ATF TG	SR	23420	6A9B	400	104 SIG SQN	VF
3244	6A3	100	3 SAS SQN	DH	26150	6A3	400	104 SIG SQN	GW
3271	6A3	10	1 ATF TG	NQ					
3288	6A3	100	104 SIG SQN	DT					
3645	6A3	100	1 ATF COMD	VH					
3706	6A3	100	9 RAR	EL					
3714	6A3	100	104 SIG SQN	LH					
3816	1A1	100	3 SAS SQN	PB					

Item No6 - VHF FREQ DESIGNATOR CODE

Item No6 - VHF FREQ DESIGNATOR CODE

FREQ (MHz)	DESIGNATORS			
	1 - 8	9 - 16	17 - 24	25 - 30
30.30	60G	35C	16Y	30G
30.50	52Q	66A	67V	98G
31.60	34X	23N	30A	38U
32.30	80N	77X	60B	49H
32.60	90A	97A	56U	47L
32.90	23B	11G	56K	88C
33.20	70R	52A	29N	71E
33.35	99J	98D	28Q	62F
33.40	38A	97W	63T	50D
33.50	21E	10H	18C	76G
33.85	94B	52K	25C	62P
34.80	47T	10A	52B	88P
35.00	79A	94Y	68J	73X
35.05	64G	71N	77V	27A
35.25	73C	93K	63R	88F
35.45	64B	52V	25Z	55E
35.55	57G	28U	57N	70P
35.65	49A	37K	69E	40G
35.75	86X	76L	53D	31C
35.85	97P	57B	33Q	85E
35.95	49Y	16N	79Z	50S
36.45	13C	44D	63W	32F
36.50	80B	41Q	98M	33A
36.70	78F	55N	86B	99E
36.75	75A	58J	53S	18M
36.90	11R	62C	82H	90C

FREQ (MHz)	DESIGNATORS			
	1 - 8	9 - 16	17 - 24	25 - 30
37.00	61K	10E	36N	44K
37.15	37C	67F	25L	71T
37.35	87U	30J	53B	75S
37.55	13Q	53Z	24E	95H
37.70	65F	20H	70C	99Q
38.40	54P	87D	58B	40Z
39.25	38W	66N	44X	16R
39.95	54A	49N	82A	93G
40.25	60Z	21A	59T	73G
40.55	14W	52E	98A	14F
40.70	47Q	78G	10P	32K
41.20	69X	41K	92W	68B
42.25	41S	12G	87K	57Y
42.50	35A	93T	52W	22P
43.05	42B	74F	76P	58L
43.10	64Z	91R	17S	63C
43.30	41W	71Z	77J	19V
43.45	66K	91D	69A	10T
43.50	40E	97Z	52R	35S
43.80	83S	48B	14H	59Q
43.90	99V	74C	26F	46M
43.95	81F	69L	11D	53X
44.35	24B	88Z	71F	46F
44.60	42X	84K	15B	67J
44.90	43V	99A	53L	29T
45.05	53A	11K	62M	77C

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Item No6 - VHF FREQ DESIGNATOR CODE

Item No6 - VHF FREQ DESIGNATOR CODE

FREQ (MHz)	DESIGNATORS			
	1 - 8	9 - 16	17 - 24	25 - 30
45.20	56D	74V	93C	79M
45.25	58A	30X	73P	70B
45.60	52Z	76E	23U	43C
45.85	54F	34J	12B	56Q
46.10	63A	55Y	32H	57T
46.30	96B	22J	17A	61W
46.55	66X	11Y	49T	77H
47.10	84A	32B	13S	88L
47.35	98F	48D	41N	89K
47.45	54G	31T	83B	40X
47.75	94P	69G	28A	52N
47.90	13E	66S	86T	17U
47.95	71V	16H	20X	81W
48.55	96F	44R	59V	48L
48.70	77A	37R	18E	73K
48.80	53P	96M	91N	37A
48.85	24R	60M	87R	50B
49.35	53U	15J	63L	85F
49.95	26B	46V	60R	72J
50.40	99G	17K	50X	81C
50.55	46Z	85P	31H	32V
50.75	13G	82E	66V	98C
51.30	46A	13M	43Y	71H
51.35	94E	24W	44H	59L
51.65	43Z	20R	66D	97B
52.40	68U	55C	28D	40A

FREQ (MHz)	DESIGNATORS			
	1 - 8	9 - 16	17 - 24	25 - 30
52.70	78R	68X	34E	13A
52.85	62Y	44B	71C	18K
53.50	95F	63U	98S	64N
54.20	24F	14C	58G	66H
54.60	68N	93V	68G	58W
55.00	34S	54R	63X	38P
55.30	30F	54M	23R	72K
55.55	98U	68Q	42A	16D
55.60	22W	56X	55T	61B
55.80	50Q	26U	38F	11m
56.05	34V	64R	76D	79U
56.10	16C	55H	75R	58Z
56.15	40D	60E	47J	55W
56.50	20B	33F	54T	82N
56.60	61S	79C	93A	47B
56.80	87A	35Y	83G	89D
56.85	26N	63G	73R	14U
57.10	60C	80K	67D	78Z
57.20	50M	71K	28X	67M
57.25	13B	25V	99F	75Y
57.40	92G	71S	31Q	49J
57.65	10B	35W	44N	74T
57.70	42J	74H	97U	64T
57.80	73T	24H	31N	47Y
57.90	64J	10L	50E	65W
58.25	78B	27M	45T	59C

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Item No6 - VHF FREQ DESIGNATOR CODE

Item No6 - VHF FREQ DESIGNATOR CODE

FREQ (MHz)	DESIGNATORS			
	1 - 8	9 - 16	17 - 24	25 - 30
58.60	47Z	90U	27K	37Z
58.65	81R	60H	84B	45P
58.85	60W	12Q	46N	81U
59.10	50V	26S	95R	31Z
59.20	65Q	66C	65T	74L
59.25	98J	57D	36V	20N
59.35	39S	68A	36X	90F
59.40	61J	22B	68S	59N
59.45	67Y	75M	33M	95A
59.55	13V	49R	14Q	88S
59.60	98L	39V	12X	38L
59.70	19B	71G	79W	99N
59.75	71L	30S	27E	99B
60.05	42L	14T	55B	27X
60.65	76N	99K	54H	42Q
60.95	18S	59W	80E	97Y
61.20	28H	58F	67A	30E
61.25	26W	36Q	86N	61E
61.35	96V	61X	21L	69Z
61.40	62H	88A	75D	69N
61.50	42T	25A	63Z	19F
61.65	50N	81A	56J	29W
61.85	48W	14P	94K	86C
61.95	53J	69T	96D	41A
62.50	20E	31G	63D	14N
62.60	42F	74B	32P	56Z

FREQ (MHz)	DESIGNATORS			
	1 - 8	9 - 16	17 - 24	25 - 30
63.05	52H	18Y	83W	44A
63.10	55Q	19X	61C	43B
63.30	56S	77S	27R	63J
63.40	82X	97G	45D	19L
63.50	54C	80W	99R	72V
63.65	24P	72Y	52T	84G
64.45	75W	82B	46B	55X
64.50	31V	39C	43L	59A
64.55	76U	61D	44W	80C
64.80	52J	39B	92I	72Z
65.15	55K	42G	23C	49E
65.20	98T	57E	49C	67L
65.55	43D	78P	96J	54V
65.70	80H	63Q	45A	99W
66.95	47F	40T	58M	22S
67.10	61P	49M	84U	64A
67.85	16E	40M	48V	96Z
68.15	83M	78V	28B	43P
68.40	99T	11F	52M	67T
69.00	40B	12A	93F	65K
70.25	57U	70X	50G	23H
70.65	56A	29D	19T	89R
71.05	71B	36H	53F	89A
71.35	64L	92B	56G	67C
71.90	94C	49P	48A	57K
72.00	30R	92F	58D	35P

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Item No6 - VHF FREQ DESIGNATOR CODE

Item No 7 - HF FREQ DESIGNATOR CODE

FREQ (MHz)	DESIGNATORS			
	1 - 8	9 - 16	17 - 24	25 - 30
72.50	78J	94S	63H	46X
73.45	47A	77N	85J	76Z
74.60	53R	17Q	34K	60Q
74.95	64E	87Q	62U	99Y
75.20	73D	45K	57R	90W
122.60	85A	69K	58R	75C
122.90	12T	66R	20Y	10N
126.20	57C	54X	74A	33H
131.20	63K	80F	99L	72D
134.80	87B	56C	81L	57W
134.90	91T	83C	52P	36Z
241.00	54Z	56L	93D	82C
243.00	59S	33E	50A	90L
259.60	45C	70U	56T	39A
312.10	37T	80A	98Q	24V
359.60	89G	59D	41X	57V
369.60	62A	29L	65U	66P
380.20	69B	44F	55R	25E
388.10	25G	45S	70D	52C

FREQ (KHz)	DESIGNATORS			
	1 - 8	9 - 16	17 - 24	25 - 30
2056	52X	55A	11W	85G
2220	72H	81Z	40U	92P
2422	59Y	50W	35F	99D
2452	55L	36A	50Z	66G
2540	95Q	48P	41V	99X
2575	69D	28J	43N	48S
2616	12K	60X	75F	30T
2629	53Q	40H	14A	13U
2690	76Q	36K	83Q	95N
2776	39M	52F	73A	21J
2780	12R	68P	95E	39G
2805	53T	84N	34C	45G
3164	18A	22D	76B	38Z
3244	20C	50J	61Y	97E
3271	20M	56P	65B	48F
3288	27G	66Z	98B	14D
3645	58X	91A	75Q	21U
3706	17G	23Z	62J	63N
3714	18V	32A	41C	16A
3816	24K	46C	55S	60F

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Item No7 - HF FREQ DESIGNATOR CODE

Item No8 - 1 ATF SDS (VEH)

FREQ (KHz)	DESIGNATORS			
	1 - 8	9 - 16	17 - 24	25 - 30
3871	33Y	64F	62V	44T
4137	84D	89Z	55F	30B
4182	70A	49W	18X	36F
4490	52L	63S	29U	48G
4660	29B	67Z	97H	77M
5185	20A	97C	70W	23F
5215	39R	61L	72B	10F
5752	29X	36C	80S	91C
5756	56M	84W	68T	24N
5908	46E	58Q	96N	78A
9319	57F	64V	32T	11A
22750	74E	97V	86L	41G
23420	42Z	50H	24A	81D
26150	41L	72W	89C	43A

SERIAL	UNIT
1.	1 ATF SIGCEN
2.	B SQN 3 CAV REGT
3.	MOVEMENTS BARIA
4.	AFPO 4
5.	5 RAR
6.	161 Ind RECCE FLT
7.	HQ 26 COY RAASC
8.	6 RAR
9.	B SQN 1 ARMD REGT
10.	9 RAR
11.	1 ARU
12:9	106 FD WKSPS
13.	3 SAS SQN
14.	8 FD AMB
15.	1 AUST CA UNIT
16.	1 FD SQN
17.	17 CONST SQN
18.	1 FD REGT
19.	U.S. ARTY
20.	DET 1 DIV INT UNIT
21.	HQ COY 1 ATF
22.	A SECTION 1 TOPO SVY TP
23.	1 ATF SIGCEN

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Item no8 - 1 ATF SDS (VEH)

Item No 9 - AIR COURIER SERVICES

SERIAL					
1.	DEP	0900	1100	1400	1530
2.	ARR	0905	1105	1405	1535
3.	"	0910	1110	1410	1540
4.	"	0914	1114	1414	1544
5.	"	0918	1118	1418	1548
6.	"	0922	1122	1422	1552
7.	"	0925	1125	1425	1555
8.	"	0928	1128	1428	1558
9.	"	0935	1135	1435	1605
10.	"	0940	1140	1440	1610
11.	"	0945	1145	1445	1615
12.	"	0950	1150	1450	1620
13.	"	0959	1159	1459	1629
14.	"	1003	1203	1503	1633
15.	"	1006	1206	1506	1636
16.	"	1008	1208	1508	1638
17.	"	1012	1212	1512	1642
18.	"	1018	1218	1518	1648
19.	"	1021	1221	1521	1651
20.	"	1025	1225	1525	1655
21.	"	1028	1228	1528	1658
22.	"	1032	1232	1532	1702
23.	"	1037	1237	1537	1707
<u>CLOSING TIMES</u>					
		0845	1045	1345	1515

(A) 1 ATF COURIER SERVICE		
	MON-SAT	SUN
<u>WALLABY 1.</u>		
DEP VUNG TAU	0730	0730
ARR LUSCOMBE	0745	0745
DEP LUSCOMBE	0750	0750
ARR BEARCAT	0815	--
DEP BAERCAT	0820	--
ARR TAN SON NHUT	0840	0825
<u>WALLABY 2.</u>		
DEP TAN SON NHUT	0910	0855
ARR LUSCOMBE	0945	0930
DEP LUSCOMBE	0950	0935
ARR VUNG TAU	1005	0950
<u>WALLABY 3.</u>		
DEP VUNG TAU	1510	1510
ARR LUSCOMBE	1525	1525
DEP LUSCOMBE	1530	1530
ARR TAN SON NHUT	1605	1605
<u>WALLABY 4.</u>		
DEP TAN SON NHUT	1635	1635
ARR LUSCOMBE	1710	1710
DEP LUSCOMBE	1715	1715
ARR VUNG TAU	1730	1730
<u>HORSESHOE COURIER (As Available)</u>		
II FFV COURIER For information, contact 1 ATF Sigcen on EBONY 82.		

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Item No 9 - AIR COURIER SERVICES.

Item No 10 - 1 ATF SWBD DESIGNATORS

(B) CLOSING TIME FOR DESPATCHES
THROUGH SIGCEN

<u>DESTINATION</u>	<u>CLOSING TIME</u>
AFV	0630
PEARCAT	0630
1 ALSG	0830
II FFV	1000

<u>UNIT</u>	<u>DESIGNATORS</u>
1 ATF FORWARD	ENSIGN
1 ATF NUI DAT	EBONY
1 ATF CP	EBONY CP
B SQN 1 ARMD REGT	EXPLORER
B SQN 3 CAV REGT	ESCORT
1 FD REGT	ENTERPRISE
161 BTY RNZA	KIWI
1 FD SQN	ELEVATE
17 CONST SQN	EMBOSS
6 RAR	ERUDITE
W COY 6 RAR	WHISKY
5 RAR	EMPORER
D COY 5 RAR	DELTA 1.
9 RAR	ENDURANCE
3 SAS SQN	ENVOY
1 ARU	EXPRESS
161 RECCE FLT	ENDEVOUR
1 AUST CA UNIT	ESTATE
TFMA	EMPIRE
B BTY 2/35 U.S. ARTY	HUSKY BRAVO

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Item No 11 - ADDRESS GROUPS

Item No 11 - ADDRESS GROUPS

<u>SERIAL</u>	<u>UNIT</u>
1.	HQ 1 ATF
2.	HQ 1 ATF (MAIN)
3.	B SQN 1 ARMD REGT
4.	B SQN 3 CAV REGT
5.	1 FD REGT
6.	105 FD BTY
7.	101 FD BTY
8.	161 BTY RNZA
9.	DET 131 DIV LOC BTY
10.	1 FD SQN
11.	11 MC GP 1 ATF
12.	A SEC 1 TOPO SVY TP
13.	104 SIG SQN
14.	110 SIG SQN
15.	5 RAR
16.	6 RAR
17.	9 RAR
18.	3 SAS SQN
19.	1 ARU
20.	161 RECCE FLT

<u>SERIAL</u>	<u>UNIT</u>
21.	DET 1 DIV INT UNIT
22.	HQ 26 COY RAASC
23.	POST OFFICE AFPO 4
24.	DET 2 AFCU
25.	8 FD AMB
26.	1 OFP
27.	106 FD WKSPS
28.	B SQN 3 CAV REGT WKSPS
29.	1 FD SQN WKSPS
30.	1 ATF LAD
31.	B SQN 1 ARMD REGT LAD
32.	1 FD REGT LAD
33.	DET 131 DIV LOC BTY LAD
34.	DET AFV PRO UNIT
35.	No 1 DET AFV CASH OFFICE
36.	1 AUST CA UNIT
37.	ATOC NUI DAT (RAAF)
38.	HQ AFV
39.	HQ 1 ALSG
40.	AV 1356 CLIVE STEELE

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Item No 11 - ADDRESS GROUPS

Item No 11 - ADDRESS GROUPS

SER	DATES			
	1 - 8	9 - 16	17 - 24	25 - 30
1.	YWS	JWD	QFE	UTK
2.	DAU	KHT	VXL	KWE
3.	JTM	FIA	ZSQ	ZIS
4.	PGT	VXD	IKF	BHJ
5.	GPB	WJK	NUL	ORJ
6.	CRV	KPB	ELG	NXR
7.	SJR	XYC	JQI	OYB
8.	ICH	AEC	TGO	EYR
9.	TPQ	XIZ	UOS	HPE
10.	PKG	AZN	HVM	LZH
11.	OSZ	HNY	WJP	BSA
12.	GOM	FAD	TFD	EQJ
13.	YLE	SNN	LEN	WDI
14.	ATU	DZX	QMQ	CKZ
15.	GUB	BDA	MVH	PCF
16.	BMC	YLV	LNT	LRO
17.	FDP	AHW	SUC	RBW
18.	ZML	DBC	MCW	VFK
19.	MEG	XGO	ROU	QIV
20.	RVY	NFX	UQX	CAY

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SER	DATES			
	1 - 8	9 - 16	17 - 24	25 - 30
21.	PKB	HYX	WEN	GXO
22.	VQD	ZIE	NWR	QHS
23.	OFA	XVT	KJX	JWP
24.	MAQ	CHY	BIN	VGY
25.	XUC	UJO	VGI	KVC
26.	LFJ	DXG	NOM	APG
27.	UBP	TDF	IKB	YHS
28.	DIK	AYH	SNR	RIF
29.	YCW	TGZ	ELC	DUE
30.	WSB	JWQ	RTW	SAL
31.	CDP	QLD	FML	WJT
32.	YJE	EBG	BZR	FTQ
33.	LEC	MXF	OMK	CEU
34.	PKV	XRZ	ANV	THZ
35.	IOK	ZCH	JMV	HPA
36.	QRU	PVS	GOJ	BZF
37.	IYW	ZNL	BDU	UST
38.	MFO	EUD	KPM	GQM
39.	OCX	RLA	FZY	NAB
40.	LSE	ATN	SQI	HRD

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Item No 12 - OPERATIONS CODES

Item No 13 - NUMERAL/AUTHENTICATION CODES

KAC-PJ 244	SET	DATES	NOV 69
TSEC	1.	1- 2	NOV 69
"	2.	3- 4	"
"	3.	5- 6	"
"	4.	7- 8	"
"	5.	9-10	"
"	6.	11-12	"
"	7.	13-14	"
"	8.	15-16	"
"	9.	17-18	"
"	10.	19-20	"
"	11.	21-22	"
"	12.	23-24	"
"	13.	25-26	"
"	14.	27-28	"
"	15.	29-30	"

KAC-QK 575 DAY 1 to DAY 30
NOVEMBER 69

Item No 14 - CODEWORDS & MEANINGS

CODEWORD	MEANING	ISSUING AUTHORITY
GASNIER	1 ATF C OMD NET HF commence operating 30 mins after last sub-station acknowledgement of the Codeword.	HQ 1 ATF

Item No 15 - 1 ATF COMD NET (VHF)

FREQ (MHz)	PURPOSE	CALLWORD	DESIGNATORS			
			1-8	9-16	17-24	25-30
64.45	PRI	GYPSY ROSE	75W	82B	46B	55X
61.65	ALT	METER MAID	50N	81A	56J	29W
55.00	RETRANS	--	34S	54R	63X	38P
59.40	RETRANS	--	61J	22B	68S	59N

STATION	MAIN	REAR
1 ATF NCS	66	78
COMMANDER	35	--
DEP COMD	51	--
B SQN 1 ARMD REGT	28	43
B SQN 3 CAV REGT	72	68
1 FD REGT	13	--
1 FD SQN	10	--
17 CONST SQN	31	38
104 SIG SQN	33	16
5 RAR	64	53
6 RAR	87	25
9 RAR	59	94
3 SAS SQN	92	15
161 RECCE FLT	17	39
1 ARU	89	--

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Item No 15 - 1 ATF COMD NET (VHF)

STATION	MAIN	REAR
HQ COY 1 ATF	24	65
D & E PLT 1 ATF	70	21
1 AUST CA UNIT	84	--
HORSESHOE COY	45	--
READY RE-ACTION FORCE	61	--
MILO	20	--
DIV INT	96	--
PSY OPS	12	--
TEMA	42	48
GMP MOBILE CHKPT	40	--
RETRANS	56	--
STEP-UP	91	--
LO XUAN LOC	36	
LO BEAPCAT	75	
LO BARIA	11	
LO XUYEN MOC	60	
LO HOA LONG	95	
LO DAT DO	83	
LO DUC THANH	73	
LO LONG DIEN	88	
LO	30	
SPARE 1.	62	
2.	23	
3.	79	
4.	58	

Item No 15 - 1 ATF COMD NET (VHF)

A COLLECTIVE CALLWORD WILL BE USED FOR THE PURPOSES OF DESIGNATING CERTAIN STATIONS WHICH ARE RESPONSIBLE FOR THE SECTOR DEFENCE OF NUI DAT.

COLLECTIVE CALLWORD....."TREASURE CHEST"

The following stations are designated:-

- B SQN 1 ARMD REGT
- B SQN 3 CAV REGT
- 1 FD REGT
- 1 FD SQN
- 5 RAR
- 6 RAR
- 9 RAR
- 3 SAS SQN
- HQ COY 1 ATF

NOTE: Only those elements in NUI DAT base will respond to the collective call.

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I No 16 - 1 ATF REAR COMD NET (VHF)

Item No 16 - 1 ATF REAR COMD NET (VHF)

NOTE: This Net is to be used only when HQ 1 ATF is split.

FREQ (MHz)	PURPOSE	CALLWORD	DESIGNATORS			
			1-8	9-16	17-24	25-30
47.45	PRI	HOT CARGO	54G	31T	83B	40X
45.20	ALT	PARIS KING	56D	74V	93C	79M

CALLSIGNS	
1 ATF NCS	82
COMMANDER	34
DEP COMD	27
B SQN 1 ARMD REGT	97
BSQN 3 CAV REGT	71
1 FD SQN	32
1 FD REGT	50
17 CONST SQN	44
5 RAR	47
6 RAR	69
9 RA R	22
3 SAS SQN	37
1 ARU	55
HQ COY 1 ATF	80
D & E PLT 1 ATF	14

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CALLSIGN	
161 RECCE FLT	19
HORSESHOE COY	26
READY RE-ACTION FORCE	98
MILO	29
DIV INT	46
PSY OPS	86
TFMA	18
1 AUST CA UNIT	54
GMP MOBILE CHKPT	85
RETRANS	77
SPARE 1:	67
2:	52
3:	63
4:	57
5:	76
6:	74
7:	81
8:	93
9:	41
10:	62
11:	25
12:	70
13:	65

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Item No 16 - 1 ATF REAR COMD NET (VHF)

Item No 17 - 1 ATF BASE DEFENCE NET

A COLLECTIVE CALLWORD WILL BE USED FOR THE PURPOSE OF DESIGNATING CERTAIN STATIONS WHICH ARE RESPONSIBLE FOR THE SECTOR DEFENCE OF NUI DAT.

NOTE: After acknowledgement of the Codeword SHOVELNOSE, the units as detailed will change from the COMD NET to the BASE DEFENCE NET.

2. After acknowledgement of the Codeword HAMMER HEAD, these units will revert back to the COMD NET.

COLLECTIVE CALLWORD....."GHOST GUM"

The following stations are designated:

- B SQN 1 ARMD REGT
- B SQN 3 CAV REGT
- 1 FD REGT
- 1 FD SQN
- 5 RAR
- 6 RAR
- 9 RAR
- 3 SAS SQN
- HQ COY 1 ATF

FREQ (MHz)	CALLWORD	DESIGNATORS			
		1-8	9-16	17-24	25-30
42.50	APPLE JACK	35A	93T	52T	22P

STATION	CALLSIGN
1 ATF NCS	77
B SQN 1 ARMD REGT	53
B SQN 3 CAV REGT	15
1 FD REGT	39
1 FD SQN	34
5 RAR	80
6 RAR	71
9 RAR	27
3 SAS SQN	47
HQ COY 1 ATF	68

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Item No26 - TFMA AIR NET

Item No27 - 5 RAR NETS

FREQ	PURPOSE	CALLWORD	DESIGNATORS			
			1-8	9-16	17-24	25-30
61.50	Pri	LITTLE				
		DOLL	42T	25A	63Z	19F
54.60	Alt	PAPER				
		GOLD	68N	93V	68G	58W

PURPOSE	FREQ (MHz)	CALL WORD	DESIGNATORS			
			1-8	9-16	17-24	25-30
BN COMD NET	67.10	WZ	61P	49M	84U	64A
	35.65	HW	49A	37K	69E	40G
	39.95	WT	54A	49N	82A	93G
	42.25	DF	41S	12G	87K	57Y
	44.35	YR	24B	88Z	71F	46F
	47.95	QB	71V	16H	20X	81W
	50.75	BZ	13G	82E	66V	98C
	55.30	KR	30F	54M	23R	72K
	56.05	GH	34V	64R	76D	79U
	58.65	JG	81R	60H	84B	45P
	61.20	TR	28H	58F	67A	30E
	63.05	EP	52H	18Y	83W	44A
	64.55	PV	76U	61D	44W	80C
	71.90	Z K	94C	49P	48A	57K
	AIR/ADMIN	46.10	UY	63A	55Y	32H
TAC/AIR	33.50	DM	21E	10H	18C	76G
HF FREQS	2220	TH	72H	81Z	40U	92P
	2616	HT	12K	60X	75F	30T

STATION	CALLSIGN Fixed
HQ TFMA (NCS)	62
TFMA (Fwd)	62F
PELICA N Pad	Chairman 2
ST KILDA Pad	Chairman 1
(All other pads operated by TFMA air despatchers Callsigns allocated by NCS as required)	Chairman 3
	Chairman 4
	Chairman 5
	Chairman 6
	Chairman 7
	Chairman 8
	Chairman 9

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Item No28 - 6 RAR NETS

Item No29 - 9 RAR NETS

PURPOSE	FREQ (MHz)	CALL WORD	DESIGNATORS			
			1-8	9-16	17-24	25-30
BN COMD NET	61.95	NK	53J	69T	96D	41A
	30.50	JH	52Q	66A	67V	98G
	34.80	SZ	47T	10A	52B	88P
	36.75	YC	75A	58J	53S	18M
	37.55	AX	13Q	53Z	24E	95H
	43.05	ZB	42B	74F	76P	58L
	43.45	GM	66K	91D	69A	10T
	45.05	PD	53A	11K	62M	77C
	49.95	WS	26B	46V	60R	72J
	51.30	TM	46A	13M	43Y	71H
	56.85	TV	26N	63G	73R	14U
	58.25	AC	78B	27M	45T	59C
	61.25	ED	26W	36Q	86N	61E
	63.65	YG	24P	72Y	52T	84G
	65.55	CX	43D	78P	96J	54V
67.85	SQ	16E	40M	48V	96Z	
68.40	KD	99T	11F	52M	67T	
74.60	RM	53R	17Q	34K	60Q	
AIR/ADMIN	55.80	SE	50Q	26U	38F	11M
TAC AIR	59.75	GR	71L	30S	27E	99B
HF FREQS (MHz)	4137	HR	84D	89Z	55F	30B
	5756	EZ	56M	84W	68T	24N

PURPOSE	FREQ (MHz)	CALL WORD	DESIGNATORS				
			1-8	9-16	17-24	25-30	
BN COMD NET (Alt)	32.90	PR	23B	11G	56K	88C	
	35.05	GP	64C	71N	77V	27A	
	35.85	DY	97P	57B	33Q	85E	
	41.20	QV	69X	41K	92W	68B	
	43.10	NW	64Z	91R	17S	63C	
	51.65	VD	43Z	20R	66D	97B	
	55.55	RA	98U	68Q	42A	16D	
	56.50	LA	20B	33F	54T	82N	
	57.80	KF	73T	24H	31N	47Y	
	58.85	PZ	60W	12Q	46N	81U	
	64.80	VN	52J	39B	92L	72Z	
	68.15	VT	83M	78V	28B	43P	
	AIR/ADMIN (Pri) (Alt)	48.55	FU	96F	44R	59V	48L
		48.85	AV	24R	60M	87R	50B
	TAC AIR	62.60	JE	42F	74B	32P	56Z
BASE DEF	59.35	BA	39S	68A	36X	90F	
HF FREQS (KHz)	2540	GC	95Q	48P	41V	99X	
	3706	EL	17G	23Z	62J	63N	

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Item NO 18 - 1 ATF COMD NET (HF)

NOTE: This net is to become active 30 mins after the codeword "GASNIER" is passed and acknowledged on the COMD NET (VHF).

FREQ (KHz)	CALL WORD	DESIGNATORS			
		1 - 8	9 - 16	17 - 24	25 - 30
2056	FD	52X	55A	11W	85G
2690	UG	76Q	36K	83Q	95N
3645	VH	58X	91A	75Q	21U
9319	RC	57F	64V	32T	11A

STATION	MAIN	REAR
1 ATF NCS	86	51
5 RAR	64	96
6 RAR	50	23
9 RAR	93	49
HORSESHOE COY	48	11
161 RECCE FLT	37	40
SPARE 1.	55	
2.	67	
3.	14	

Item No 19 - 1 ATF HQ AIR/ADMIN NET

FREQ (MHz)	CALLWORD	DESIGNATORS			
		1 - 8	9 - 16	17 - 24	25 - 30
56.60	DUSTY ROAD	61S	79C	93A	47B

UNIT	CALLSIGNS
104 SIG SQN (MAIN)	54
1 ATF (MAIN)	18
1 ATF (REAR)	69
104 SIG SQN (REAR)	32
104 SIG SQN DET 5 RAR	57
104 SIG SQN DET 6 RAR	22
104 SIG SQN DET 9 RAR	74
104 SIG SQN DET HORSE SHOE	41
HQ COY (MAIN)	98
HQ COY (REAR)	82
LO XUAN LOC	19
LO BEARCAT	52
LO BARIA	26
LO XUYEN MOC	46
LO HOA LONG	81
LO DAT DO	44
LO DUC THANH	78
LO LONG DIEN	43
LO 199th LIB	29
SPARE 1.	16
2.	38
3.	94

Item No 20 - 1 ATF TG NET

NOTE: This net is not normally activated when ordered, the net is to be activated in the CW mode.

FREQ (KHz)	CALL WORD	DESIGNATORS			
		1 - 8	9 - 16	17 - 24	25 - 30
3164	SR	18A	22D	76B	38Z
3271	NQ	20M	56P	65B	48F
5752	MN	29X	36C	80S	91C

CALLSIGNS	
1 ATF (MAIN)	56
1 ATF (REAR)	91
1 FD REGT	79
5 RAR	66
6 RAR	36
9 RAR	73
161 RECCE FLT	84
1 FD SQN	30
SPARE 1.	24
2.	61
3.	59

Item No 21 - MISC HQ UNIT NETS

UNIT	FREQ (MHz)	CALL WORD	DESIGNATORS			
			1 - 8	9 - 16	17 - 24	25 - 30
HQ COY 1 ATF	65.15	MD	55K	42G	23C	49E
1 AUST CA UNIT	60.05 72.00	WL MA	42L 30R	14T 92F	55B 58D	27X 35P
DET AFV PRO UNIT	35.95 39.25	KT EX	49Y 38W	16N 66N	79Z 44X	50S 16R
PSY OPS	43.80	ER	83S	48B	14H	59C

Item No22 - B SQN 1 ARMD REGT NETS

Item No23 - B SQN 3 CAV REGT NETS

UNIT	FREQ (MHz)	CALL WORD	DESIGNATORS				UNIT	FREQ (MHz)	CALL WORD	DESIGNATORS			
			1-8	9-16	17-24	25-30				1-8	9-16	17-24	25-30
SQN NETS	59.60	ZD	98L	39V	12X	38L	SQN NET	56.10	SG	16C	55H	75R	58Z
	47.10	LY	84A	32B	13S	88L		55.60	ZS	22W	56X	55T	61B
DET TP	38.40	QP	54P	87D	58B	40Z	ADMIN	52.50	CV	68U	55C	28D	40A
	45.60	UQ	52Z	76E	23U	43C		37.00	HS	61K	10E	36N	44K
SPARE	36.70	MR	78F	55N	86B	99E	1 TP NET	57.70	BP	42J	74H	97U	64T
								43.30	RT	41W	71Z	77J	19V
							2 TP NET	60.65	LB	76N	99K	54H	42Q
							3 TP NET	43.90	CZ	99V	74C	26F	46M
						66.95		DR	47F	40T	58M	22S	
							SP TP NET	71.05	EL	71B	36H	53F	89A
							CONVOYS	46.30	JL	96B	22J	17A	61W

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Item No 24 - ARTILLERY NETS

Item No 25 - MISC UNIT NETS

UNIT	FREQ (MHz)	CALL WORD	DESIGNATORS				UNIT	FREQ (MHz)	CALL WORD	DESIGNATORS			
			1-8	9-16	17-24	25-30				1-8	9-16	17-24	25-30
1 FD REGT	(F1) 59.20	HG	65Q	66C	65T	74L	1 FD SQN	63.30	UA	56S	77S	27R	63J
	(F2) 61.40	BG	62H	88A	75D	69N		65.20	YX	98T	57E	49C	67L
AIR/GROUND	(F1) 40.25	SK	60Z	21A	59T	73G	17 CONST	48.70	TG	77A	37R	18E	73K
	(F2) 45.25	DL	56D	74V	93C	79M	SQN	50.40	MT	99G	17K	50X	81C
SPARES	(F1) 43.50	UL	40E	97Z	52R	35S	547 Sig Tp	4490	SV	52L	63S	29U	48G
	(F2) 59.45	VB	67Y	75M	33M	95A	(KHz-HF)	5185	SD	20A	97C	70W	23F
LAD	57.25	FE	13B	25V	99F	75Y	1 ARU	69.00	KN	40B	12A	93F	65K
HF KHz	2805	DQ	53T	84N	34C	45G		59.70	NB	19B	71G	79W	99N
101 FD	(F1) 63.10	FZ	55Q	19X	61C	43B	TFMA						
BTY	(F2) 37.15	XR	37C	67F	25L	71T	a. CONVOYS	57.40	JY	92G	71S	31Q	49J
105 FD	(F1) 52.85	PK	62Y	44B	71C	18K	b. A IR	61.50	--	42T	25A	63Z	19F
BTY	(F2) 35.55	AW	57G	28U	57N	70P	(Alt)	54.60	--	68N	93V	68G	58W
161 FD	(F1) 56.80	QU	87A	35Y	83G	89D	106 FD WKSP						
BTY	(F2) 44.90	ME	43V	99A	53L	29T	(REC NET)	36.50	HB	80B	41Q	98M	33A
131 DIV	(F1) 54.20	GL	24F	14C	58G	66H							
LOC BTY	(F2) 47.35	VL	98F	48D	41N	89K							
131 SVY	74.95	PL	64E	87Q	62U	99Y							
NUI DAT	57.65	KH	10B	35W	44N	74T							
U.S. ARTY	56.15	KU	40D	60E	47J	55W							
NUI DAT ARTY	40.70	--	47Q	78G	10P	32K							
DEFENCE NET	57.10	WV	60C	80K	67D	78Z							

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Item No 30 - 3 SAS SQN NETS

PURPOSE	FREQ (MHz)	CALL WORD	DESIGNATORS			
			1-8	9-16	17-24	25-30
COMD NET (PRI) (ALT)	47.75 50.55	KS PC	94P 46Z	69G 85P	28A 31H	52N 32V
TAC AIR	35.45	WJ	64B	52V	25Z	55E
GUARD	241.00	--	54Z	56L	93D	82C
SPARES	37.35 45.85	NG EK	87U 54F	30J 34J	53B 12B	75S 56Q
REPORTING NETS	2575 2776 3244 3816 3871 5215	XP AM DH PB GA MF	69D 39M 20C 24K 33Y 39R	28J 52F 50J 46C 64F 61L	43N 73A 61Y 55S 62V 72B	48S 21J 97E 60F 44T 10F

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Item No 31 - AIR FREQUENCIES

PURPOSE	FREQ (MHz)	CALL WORD	DESIGNATORS			
			1-8	9-16	17-24	25-30
TAC AIR						
a. 5 RAR	33.50	DM	21E	10H	18C	76G
b. 6 RAR	59.75	GR	71L	30S	27E	99B
c. 9 RAR	62.50	JE	42F	74B	32P	56Z
d. 3 SAS	35.45	WJ	64B	52V	25Z	55E
e. 1 ATF	32.30	--	80N	77X	60B	49H
AIR ADMIN						
a. 5 RAR	46.10	UY	63A	55Y	32H	57T
b. 6 RAR	55.80	SE	50Q	26U	38F	11M
c. 9 RAR (P)	48.55	FU	96F	44R	59V	48L
(A)	48.85	AV	24R	60M	87R	50B
d. 3 SAS	241.00	--	54Z	56L	93D	82C
e. HQ 1 ATF	56.60	--	61S	79C	93A	47B
f. 1 FD REGT						
AIR GROUND						
(Pri)	40.25	SK	60Z	21A	59T	73G
(Alt)	45.25	DL	58A	30X	73P	70B
g. TFMA						
EAGLE HTS	32.30	--	80N	77X	60B	49H
ATOLL	32.30	-- See above.....			
A LBATROSS CONTROL	32.30	-- See above.....			
FALCON ROCK	32.30	-- See above.....			
FALCON PA D	32.30	-- See above.....			
JADE CONTROL	32.30	-- See above.....			
	312.10	--	37T	80A	98Q	24V

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Item No 31 - AIR FREQUENCIES

PURPOSE	FREQ (MHz)	CALL WORD	DESIGNATORS			
			1-8	9-16	17-24	25-30
DINGO CONT	35.00 126.20 134.80 259.60	-- -- -- --	79A 57C 87B 45C	94Y 54X 56C 70U	68J 74A 81L 56T	73X 33H 57W 39A
WALLABY CONTROL	134.90	--	91T	83C	52P	36Z
POSSUM CONTROL	30.30 47.90 122.60 388.10	-- -- -- --	60G 13E 85A 25Q	35C 66S 69K 45S	16Y 86T 58R 70D	30G 17U 75C 52C
LUSCOMBE ADVISORY	33.40 37.70 122.90 380.20	-- -- -- --	38A 65F 12T 69B	97W 20H 66R 44F	63T 70C 20Y 55R	50D 99Q 10N 25E
NUI DAT ARTY	40.70 369.60	-- --	47Q 62A	78G 29L	10P 65U	32K 66P
EMERGENCY DISTRESS SIGNAL	243.00	--	59S	33E	50A	90L

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Item No 32 - ANTENNA RC 292

OPERATING FREQUENCY	VERTICAL SECTIONS				GROUND PLANE SECTIONS			
	AB - 21/GR	AB - 22/GR	AB - 23/GR	AB - 24/GR	AB - 21/GR	AB - 22/GR	AB - 23/GR	AB - 24/GR
30-36.95MHz	1	1	1	1	2	1	1	1
37-50.95MHz	0	1	1	1	1	1	1	1
51-75.95MHz	0	1	0	1	0	1	1	1

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Item No 33 - SPECIAL INSTRUCTIONS

<u>FREQUENCY</u>	<u>CALLWORDS</u>	<u>REMARKS</u>
32.30	EAGLE HEIGHTS	1. Stn requiring 1 ATF Air, call EAGLE HEIGHTS.
	JADE CONTROL	2. Stn requiring RAAF Ops at 1-ATF call ATOLL.
	TAC AIR COMMON	(See note below)
	ALBATROSS CNTL	1. FATOC (Activated only when 1 ATF ATOC deployed. 1. FALCON ROCK, 1-ATF forward Air-Cell. 1. FALCON PAD, 1 ATF (MAIN) HQ HEL PAD. 2. FALCON ROCK/ FALCON PAD activated only when 1-ATF is deployed.

32.30 IS A TACTICAL AIR COMMON FREQUENCY. IT MAY BE USED BY ANY 1 ATF GROUND FORCE WISHING TO CONTACT TAC AIR WHICH IS NOT SPECIFICALLY SUPPORTING THOSE GROUND FORCES. AIRCRAFT SUPPORTING 1 ATF NORMALLY LISTEN ON 32.30 UNLESS OPERATING ON A SPECIFIC UNIT TAC AIR FREQUENCY OR NUI DAT ARTY. ANY ATTEMPT TO DIVERT STRIKE AIRCRAFT SHOULD BE ACCOMPANIED BY AUTHENTICATION FROM THE GROUND

Item No 33 - SPECIAL INSTRUCTIONS

<u>CALLSIGN</u>	<u>PURPOSE</u>
B9S	ALLOCATION AS A FIXED CALLSIGN ON BN COMD NETS FOR USE BY 3 SAS SQN PATROLS.

RESTRICTED

R723-1-1

104 SIG SQN
NUI DAT
3 Nov 69.

CSO AFV (8)

MONTHLY REPORT - OCT 69

Operations

1. LO detachments remained deployed as follows :-

Xuan Loc	Dat Do
Bearcat	Hoa Long
Baria	Long Dien
Xuyen Moc	199 LIB (Xuan Loc)

2. The retransmission detachment remained deployed on Hill 837 and provided automatic retransmission facilities for 3 SAS Sqn. This facility has achieved some measure of success and it is planned for this detachment to remain in situ at the present time.

3. TAOR Patrols Only one TAOR patrol was carried out during the reporting period :-

8 Oct 69 - Recce/Ambush.

Communications Centre Traffic

4. 1 ATF Comcen

a. Signals:	In	-	10,566
	Out	-	6,376
	Total	-	16,942
b. Despatches:	In	-	29,654
	Out	-	36,869
	Total	-	66,523

Communications Equipment

5. It is reported that the TC - 10 Switchboard (1ATF main switchboard - EBONY) has now been replaced.

6. A shelter equipment MTC - 1 has been obtained on a loan basis from 39th Sig Bn (US). This was installed and commenced operation on the night of 23 Oct 69.

New Works and Maintenance

7. HF Radio Building. Installation of the HF radio equipments has now been completed.

Training

8. One Lmn Fd attended the Cable Splicers Course conducted by 1st Sig Bde (US) at Long Binh.

9. Training Report A six monthly training report has now been requested by HQ AFV. Copies of the first report are enclosed for information.

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-2-

Visitors

10. The Director of Signals, Col J.I. Williamson, visited the Sqn on 23 Oct 69. During his visit to 1 ATF he also visited the Nui Dat detachment of 110 Sig Sqn, 547 Sig Tp, Det 152 Sig Sqn (SAS) and US Signals installations in the area.

11. The Signals Officer IIFV, Col Geraci, visited the Sqn on 25 Oct 69.

12. CMF visitors attached to the Sqn during the month were :-

Lt J. Schmidtchen	140 Sig Sqn	-	1-	8 Oct 69.
Lt J. Paul	124 Sig Sqn	-	15-	22 Oct 69.
Maj P. Stanbridge	8 Sig Regt	-	29-	5 Nov 69.

Personnel

13. Posted Strength

a. Deficiencies :	Sgt Clerk Admin	-	1
	Sgt Tech Cipher	-	1
	Sgt Op KBD	-	1
	Sgt Op Radio	-	1
	Cpl Op Radio	-	1
	Sig Op Radio	-	1
b. Surpluses :	Sig Clerk	-	1
	Sig Op KBD	-	1
	Sig Lmn Fd	-	1

Note : Sgt Thomas was RTA on compassionate grounds during the month.

Movements

14. a. Arrivals : 9
b. RTA : 9

15. Included in arrivals was SSgt D. Ross who arrived on 8 Oct 69 to take up the posting of SQMS.



(K.P. MOREL)

Maj
OC

Enclosure: 1. Training Report

Copy To : 139 Sig Sqn (through CSO AFV)

Enclosure 3.

RESTRICTED

104 Signal Squadron
NUI DAT
SVN

Oct 69

R723-1-9

1ATF (5)

TRAINING REPORT - 104 SIG SQN

Reference: A. HQ AFV R723/1/12 of 28 Sep 69.

1. Attached are copies of the Training Report as required by the above reference.
2. The Report is divided into the following parts:-
 - a. Part 1 - Organization
 - b. Part 2 - Communications
 - c. Part 3 - Technical Maintenance
 - d. Part 4 - Administration
 - e. Part 5 - Defence

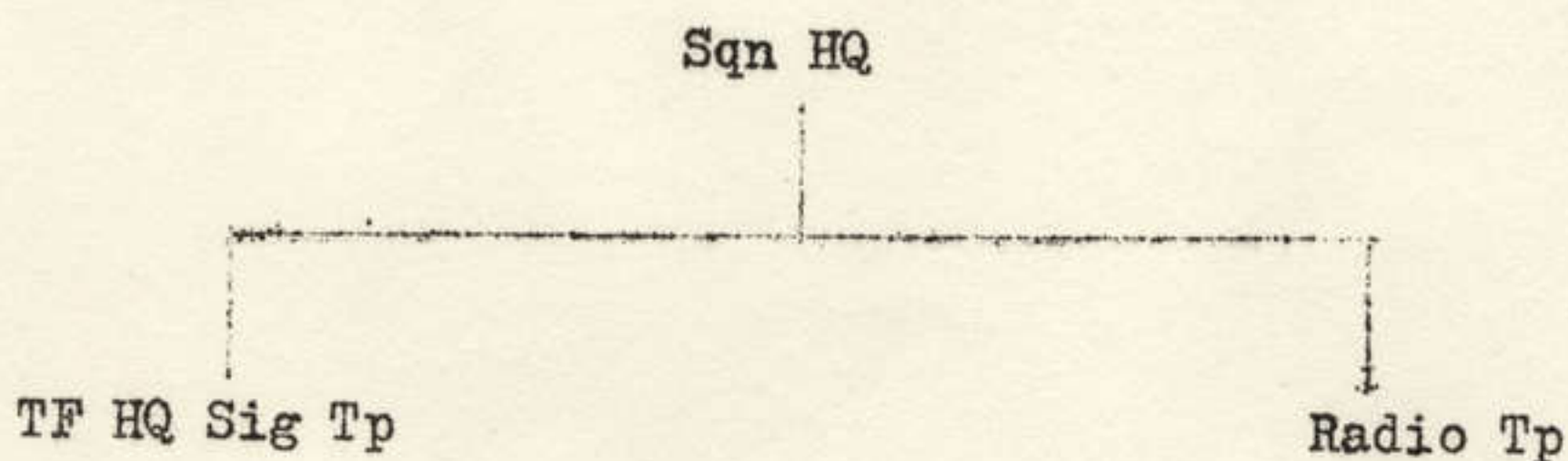
(K.P. MOREL)
Maj
OC

Enclosure: 1. Training Report - Parts 1-5 inclusive. (5 copies)

RESTRICTED

RESTRICTEDTRAINING REPORT - 104 SIG SQNPART 1 - ORGANIZATION

1. The normal establishment (11/16/2 (TW)) for a task force signal squadron is as follows:-

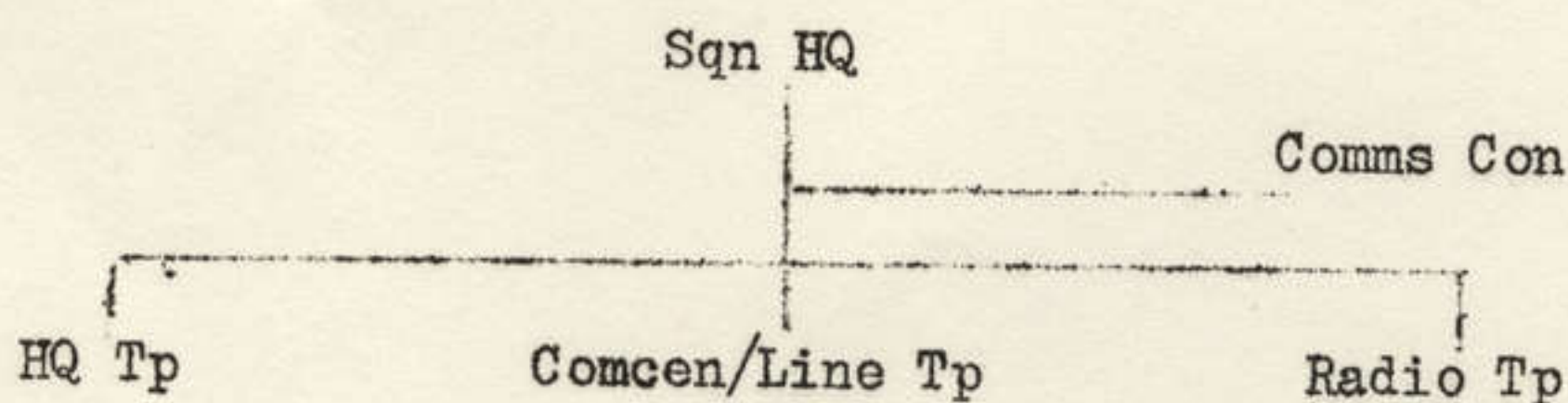


Strength : Officers - 4
ORs - 120

2. A task force signal squadron in Vietnam has a theatre increment of 31 personnel, giving a total strength of :-

Officers - 5
ORs - 150

3. The organization of 104 Sig Sqn differs from the normal organization as detailed above, in that a HQ troop and a communications control cell have been formed and also the radio elements from the TF HQ Sig Tp have been transferred to Radio Tp. The current organization is as follows:



4. The broad responsibilities of the various sections within the squadron are :-

a. Sqn HQ Normal command functions.

b. Communications Control.

(1) Centralized control and reporting centre for all faults and requirements in relation to all communication aspects.

(2) Frequency allocation.

(3) Production and distribution of monthly SOIs.

(4) Distributions of security codes.

c. HQ Tp

(1) Orderly room.

(2) Q accounting.

(3) Technical maintenance.

(4) Transport.

(5) Hygiene/Maintenance.

(6) Catering.

RESTRICTED

RESTRICTEDd. Comcen/Line Tp

- (1) Communications centre.
- (2) Line.
- (3) Switchboard.
- (4) Signal dispatch service.

e. Radio Tp.

- (1) VHF radio.
- (2) HF radio.

5. This organization has proved to be most satisfactory and provides for distinct areas of responsibility and for ease of control. This is emphasized in respect of radio communications. With the "book" organization both TF HQ, Sig Tp and Radio Tp are involved with the establishment of radio communications, but with modified version only Radio Tp is concerned. As well as facilitating control the organization also provides for the ~~central-~~ization of radio stores and hence inherent flexibility of operation and greater control of stores.

6. The Communications Control cell (Comms Con) is formed by extracting a Sgt Op Radio and a Sig Op Radio from Radio Tp. The cell is supervised by the 2IC. Some 300 copies of 1ATF SOIs are produced and distributed and some 450 copies of security codes are distributed by this cell each month. In addition, the cell also maintains other formations' and units' codes and SOIs. It also has the capability to monitor the various 1ATF and unit nets as a check on security and procedures.

PART 2 - COMMUNICATIONSGeneral.

7. The communication facilities provided for 1ATF may be classified under the following headings:-

- a. Radio
- b. Radio Relay
- c. Communications Centre
- d. Switchboard
- e. Line
- f. Signals dispatch service

8. Radio Under the present concept of operations, this squadron relies solely on VHF radio for tactical communications. HF radio is not normally used. However facilities are provided for the establishment of HF radio communications should the need arise and also for refresher training when time and situation permit.

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a. The HF radio nets which would be operated by the squadron when required are:-

- (1) 1ATF Comd Net
- (2) 1ATF Telegraph Net (High Power)

b. The equipment held by the squadron for their nets are :-

- (1) AN/GRC-106
- (2) AN/PRC-47
- (3) AN/PRC-64

10. VHF Radio

a. The VHF radio nets operated by the squadron are :-

- (1) 1ATF Comd Net
- (2) 1ATF Comd Net (Secure)
- (3) 1ATF Rear Comd Net (Activated when HQ 1ATF is deployed forward of Nui Dat).
- (4) 1ATF Air Net
- (5) 1ATF Base Defence Net
- (6) 1ATF Air/Admin Net (This net is actually used by 104 Sig Sqn to control its detachments which are widely dispersed in and out of the Province).
- (7) Substation on Phuoc Tuy Sector Net.

b. In addition to its prime responsibilities above, the squadron has centralized the other units' radio nets located on Nui Dat Hill and has assumed the responsibility for supervision of their radio sets. Under this concept, an additional 14 radio nets are supervised by this unit.

c. The VHF radio equipment used by this unit are :-

- (1) AN/VRC-46
- (2) AN/GRC-125
- (3) AN/PRC-25
- (4) AN/PRC-77

11. Radio Operators. During his tour a radio operator may be employed in most radio tasks as follows :-

a. Unit Detachments. These include battalion, field squadron and reconnaissance flight detachments. Personnel in battalion detachments particularly require a good working knowledge of battalion internal communications, FSPB procedures, defence and patrolling activities.

b. LO Detachments. The detachment may comprise one to three operators and are widely dispersed throughout Phuoc Tuy Province and also outside the Province. The operator has to be capable of setting up communications by himself and of working and operating without supervision. It is also desirable and advantageous if the operator is licenced to drive Land Rover type vehicles.

c. CP Operators. These operators work in the 1ATF CP and must be highly skilled in radio procedures, security codes and map marking. As the 1ATF Comd Net is a large operational net with widely distributed substations the CP operator must be capable of handling a large volume of traffic and of maintaining ~~unit~~ ^{strict} radio discipline on the net.

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- d. Retransmission Detachments. An operator may be deployed to remote areas e.g. Hill 837 and VC Hill, to set up and operate an automatic retransmission facility. He should be well trained in antenna erection and in engineering that type of system.
- e. Radio Detachment (Nui Dat Hill). As some 18 radio nets are operated from the squadron radio bunker on Nui Dat Hill an operator in this detachment is required to supervise a large number of radio nets, including antenna systems and remote facilities.

12. Summary. Particular training for radio operators may be summarized under the following headings:-

- a. Radio operation and procedures.
- b. Use of KAC security codes - particularly the Numeral Code using the new straight line system.
- c. Antenna systems - particularly the RC-292 antenna.
- d. Retransmission equipment.
- e. Map marking - unit symbols etc.
- f. Handling of large volumes of voice traffic.
- g. Defence and patrolling procedures.
- h. Driver training (Land Rover vehicles).

Radio Relay

13. Radio Relay channels are provided for 1ATF by detachments of 110 Sig Sqn. Therefore no formal training in Radio Relay procedures is necessary for the task force signal squadron personnel.

14. However, it is advantageous for unit personnel to have some knowledge of the characteristics and the facilities provided by radio relay equipments. This applies particularly to communications centre and switchboard operators who are required to operate over these circuits. It also applies, of course, to technical maintenance personnel and linesmen who are required to install the various terminal equipment on the radio relay channels.

Communications Centre

15. The 1ATF Communications Centre is classified as a Minor Relay Station. The circuits operated from this communications centre :-

- a. HQ AFV Saigon - (1) full duplex
- (2) half duplex (Receive only)
- b. 1ALSG Vung Tau - full duplex
- c. 1ATF (forward) - full duplex

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16. Operators require training in both "fixed" station and field equipments. The 1ATF Communications Centre utilizes normal "fixed" station teletype equipments while the communication centre in a forward FSPB uses the normal field equipments. The major equipments are :-

a. Fixed Station

- (1) Reperforator Model 120
- (2) Distributor Transmitter Model 140
- (*) Teleprinter Model 150

b. Field

- (1) AN/PGC-1 equipment
- (2) AN/GGC-3 equipment

17. All operators will be involved in normal communications centre operations and registration, in processing of official mail and safe-hand dispatches and in SDS clerical work. The 1ATF Communication Centre handles on an average of 14,000 messages per month and therefore there is an emphasis on handling a considerable volume of traffic and on accuracy of message checks and records.

18. Cipher Operations, procedures and equipments are normal and will not be discussed in this report.

Switchboard

19. Until recently the 1ATF main switchboard was a 200 line type TC-10 board. This has now been replaced temporarily by a shelter equipment MTC-1 Switchboard which is on a loan basis from the U.S. Army, until a new switchboard can be purchased. Telephone calls on the board average some 4,000 per day, with busy periods peaking at 500 calls an hour.

20. The non-availability of a similar type switchboard for training operations in Australia is well realized. However, all operators must arrive in country with a firm basic knowledge of operating procedures in order to facilitate the "On the job" training on the 1ATF board. A period of three to four weeks is required before the average operator reaches a reasonable degree of proficiency on this switchboard.

21. Training of operators should also include handling of telephone calls over radio relay channels as numerous long distance trunks emanate from the 1ATF switchboard. In addition operators should be well trained in the use of the normal fixed equipment as follows:-

- a. Switchboard SB-86/P
- b. Switchboard SB-22A/PT

Line

22. The establishment for a task force signal squadron provides for Linesman Field trade only. However, the main cable routes in Nui Dat Base are comprised of underground multi-pair cables (50 pair to 200 pair). Therefore there is a real requirement for linesmen to be trained in the skills of the Lineman PL trade. Experience in splicing and terminating multi-pair cables is particularly important and necessary.

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23. In addition to "on the job" training in these aspects, some linesmen attend a Cable Splicers Course conducted by the 1st Signal Brigade (US) at Long Binh Base. Also, as the squadron uses and maintains four Decco type masts some regging experience is desirable and advantageous.

Signals Despatch Service

24. The SDS for 1ATF is much the same as any standard SDS system. The SDS is carried out by vehicle and constituted four runs per day of approximately 10 miles each run, around Nui Dat Base. However the SDS does handle a vast number of despatches, monthly average is about 24,000 and therefore there is an emphasis on training in SDS clerical/registration procedures. This also includes the handling of official mail and safe-hand despatches.

PART 3 - TECHNICAL MAINTENANCE

25. The technical maintenance problems are similar to those found in any task force signal squadron. However, due to the high rate of usage and to the climatic conditions in this theatre the maintenance problems of all equipment are emphasized and it is of the utmost importance to keep up to date on all routine and preventative maintenance.

26. With the emphasis on VHF radio communications, technicians should receive concentrated training on this equipment prior to arrival in theatre. Also, from experience, technicians receive little training in the repair and maintenance of field switchboards and therefore some attention should be focused on that aspect. Again, as both field and fixed station type equipment are used in communications centre operation, the telegraph technician must be trained in both types.

27. Battery and generator maintenance are much the same as in Australia except that battery life is much shorter. The following types of generators are used:-

- a. 500 watt
- b. 10 KVA

28. Generally, there is a continuous effort to improve the existing communications systems and therefore the technician will be required to carry out construction and installation work in addition to the normal maintenance tasks.

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RESTRICTEDPART 4 - ADMINISTRATION"A" Administration

29. "A" Administration is normal. It is considered that to provide for a degree of flexibility, clerks should be cross-trained in more than the one aspect of orderly room functions. It is essential that at least one clerk has been well trained in pay procedures.

"Q" Accounting

30. The problems of "Q" accounting are normal. In some cases these are greater due to the operational requirements and the flexibility required to satisfy their needs. On the other hand the relaxation of accounting for certain stores does ease the burden. It is considered that "Q" personnel, particularly the SQMS and Sgt Storeman should have a good knowledge of AFV SOPs in relation to "Q" accounting before arrival in theatre.

Transport

31. The provision of a Transport NCO in the theatre increment overcomes the problems found in a normal task force signa squadron which only provides for three drivers. Also, in the present concept of operations there is a minimum requirement for radios to be installed in vehicles. In view of this, five vehicles have been returned as being surplus to requirements.. This has the advantage of reducing the maintenance problems.

32. It is emphasized that there is the requirement for almost all unit personnel to be licenced to drive Land Rover vehicles and for a percentage to drive 2½ ton type vehicles. To this end, driver training courses should be conducted for replacement personnel before arrival in theatre.

Hygiene/Maintenance

33. To assist in promoting and maintaining good field hygiene, both in Nui Dat Base and in a FSPB, it is advantageous if the squadron SM and at least one hygiene dutyman, (preferably all of them), attend the respective courses at the School of Army Health. From experience this has proved very useful and desirable.

PART 5 - DEFENCENui Dat Base

34. The squadron is responsible for the defence of a sub-sector of the 1ATF Base. It also carries out TAOR patrols (ambush and early warning) around Nui Dat under the control of one of the infantry battalions.

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35. When deployed the squadron forward element is normally located on the outer perimeter of a FSPB and is responsible for the defence of its own sector and for its own clearing patrols within that sector. There is also the requirement to assist other FSPB units in conducting ambush patrols around the base.

36. On deployment into a FSPB, a defence element, consisting of the Squadron SM and approx 10 personnel is constituted in addition to the normal FSPB component. This defence element is responsible for the construction of the bunkers, weapon pits, and normal defence works, while the normal component is engaged in setting up the communications systems. This defence element returns to Nui Dat as soon as the defence works have been completed.

Summary

37. It is emphasized that all unit personnel, regardless of trade, will be required to participate in normal patrolling and defence activities. Attention should be given to training replacement personnel in :-

- a. Use of all unit weapons.
- b. Mines and booby traps.
- c. Construction of bunkers, weapon pits and defence works, including use of claymores and trip flares.
- d. Patrolling.
- e. Contact drills and Rules of Engagement.

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