Series: AWM95
Australian Army commanders' diaries
[Vietnam]

Signals units

Item number: 6/4/10

Item: 145 Signal Squadron

Narrative

Annexes

[1-30 Nov 1966]

PART 1

COVERING LETTER

Reference No.....

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.

Receipt posted 24-1-67. RT.

(Signature) ..... Maj

Appointment ..... OC 145 Sig Sqn
(OC Unit or senior staff officer)

PART 2

AF C 2119 (Adapted)
Revised Jun, 1965

SECRET

ORIGINAL
~~DUPLICATE~~

Strike out where not applicable

COMMANDERS DIARY

OF

Unit or Formation ..... 145 Sig Sqn

From 1 Nov 66 **To** 30 Nov 66

INDEX

		Enclosure Numbers
	Narrative (AF C 2118)	..... to .....
	ANNEXES	
* A	Duty officer's log	..... to .....
* B	Messages connected with log	..... to .....
C	Operation orders and instructions issued	1 to .....
D	Operation orders and instructions received	2 to .....
* E	Sitreps issued	..... to .....
F	Orders of battle and location reports issued	..... to .....
G	Intelligence reports and summaries issued; appreciations made	..... to .....
H	Administrative orders and instructions issued	..... to .....
I	Administrative orders and instructions received	..... to .....
J	Administrative reports and bulletins; ammunition returns; field strength returns	3 to .....
* K	Standing orders issued	..... to .....
L	Commander's policy and demi-official letters	..... to .....
M	Action reports (if required)	..... to .....
N	Other papers, eg, maps and diagrams, air photos, reports from sub units	..... to .....
O	Periodical summaries of operations	4 to .....
Z	Top Secret Supplementary Diary	† 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.

arting at B.

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

ſENTS

es as well as map references), establishment, equipment

l orders given.

ıe day's fighting, including company movements.

ımander 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
ıments issued and received, routine returns, etc. All
and the time of receipt or despatch is to be given.

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

(continued on back cover)

1 B P Coy—274/65—55m

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.

1 B P Coy—274/65—55m

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 145 Sig Sqn

MONTH AND YEAR Nov 66 REFERENCE MAP - COMMANDING OFFICER Maj J.H.A. BIRD

Place and grid reference	Date	Time	Event or information	Annex letter and enclosure number
SAIGON	1 Nov 66		HQ 145 Sig Sqn moved from FWMAO building 12 Tran Quoc Toan to AUSTCAN VIETNAM Site PHU TO, GIA DINH	
VUNG TAU	2 Nov 66		RR det deployed in support of Op HAYMAN on LONG SON island PHUOC TUY Province	D 2
SAIGON	7 Nov 66		Construction of poles and power lines from HQ AFV generator building FWMAO building to HQ AFV COMCEN	
PHU TO	10 Nov 66		Insulation for air conditioning of transmitter building commenced	D 2
	13 Nov 66		ISB drive faults FSK had to be employed	D 2
TAN SON NHUT	25 Nov 66		New sloping 'V' Rx antenna constructed and operational. Drop in QRM due to relocation away from US antenna servicing equipment.	D 2

1 B P Coy—275/65—55m

Annex C enclosure 1

AUSTRALIAN MILITARY FORCES

VIETNAM

HQ 145 Sig Sqn
CHOLON

114:4:4(52)

Oct 66

FTS - MELBOURNE - SAIGON CCT - NOVEMBER 66

1. SAIGON SEND

2400 - 1200		F15B	19355
	Alt	F14B	18505
1200 - 2000		F 7B	13965
	Alt	F 6B	12155
2000 - 2400		F 8B	14620
	Alt	F 7B	13965

2. MELBOURNE SEND

Main Tx

2300 - 0900		F 9A	14800
0900 - 2300		F 9A	14800
	Alt	F 5A	10865

Spare Tx

2300 - 0900		F12A	18525
0900 - 2300		F 3A	10310
	Alt	F 6A	12155

(B.E. BROADRIBB)
Lt
DSO

Nha Trang

FTS - MELBOURNE - SAIGON CCT

DECEMBER 66

1. SAIGON Send

2300 - 1200	F15 B	19355
Alt	F14 B	18585
1200 - 2300	F 7 B	13965
Alt	F 5 B	10075

2. MELBOURNE Send

Main Tx

2300 - 1200	F13 A	18525
1200 - 2300	F 6 A	12155
Alt	F 5 A	10065

Spare Tx

2300 - 1200	F16 A	21700
1200 - 2300	F 3 A	10310
2300 - 2300	Spare freq avail either chn	
	F 9 A	14800
If CW Activated :-	SITTLEX	
2300 - 1400	F13 B	18555
Alt	F 6 B	12155
1400 - 2300	F 6 B	12155
Alt	F 3 B	10310

18 Nov 66

(B.L. MOADRIBB)
Lt
CSCO

RESTRICTED

ComStats 2

MONTHLY TRAFFIC STATISTICS

AUSTCAN RELAY STATIONS

(A) STATION [redacted]	(B) Month November 1966
(C) Scheduled Hrs of Operation Continous	(D) Daily Average Operator Strength 5

Daily Average Number of Messages (By Circuit)			Peak Number Messages (By Circuit)		Daily Average Re-runs From Service Position
(E) Circuit	(F) In	(G) Out	(H) In	(J) Out	(K) 18
[redacted]	172	158	259	219	Daily Average Re-runs Requested
	144	98	256	145	
	69	71	106	106	(L) 11
	35	31	98	81	
					Daily Average Number Messages Refiled
					(M) 2
					TARE Stations Daily Average Number Rejects
					(N) 8
					MANUAL Stations Daily Average Number Multi-Routes
					(O) 22
					Average Number Supervisory Staff
					(P) 2
Total	480	370			

.....OC

Original
(Reverse Blank)

RESTRICTED

ComStats 3

MONTHLY TRAFFIC STATISTICS

AUSTCAN TRIBUTARY STATIONS

(A) STATION Hq AFV SAIGON	(B) Month November 1966
(C) Scheduled Hrs of Operation Continuous	(D) Average Daily Operator Strength 3

Outgoing Traffic (Daily Average)

(E) Number of Messages Lodged 90	(F) Precedence	Z	Y	O	P	R	M
		-	-	5.5	27.7	64.7	-

Terminating Traffic (Daily Average)

(G) Number of Messages Received 1446	(H) Precedence	Z	Y	O	P	R	M
		-	-	8.2	44	32.4	-

Peak Traffic

Outgoing Traffic		Terminating Traffic	
(J) Date 22nd	(K) Number of Messages 145	(L) Date 25th	(M) Number of Messages 256

Re-Runs

Number Requested From Tributary	Number Requested By Tributary
(H) 3	(O) 2

.....OC/NCO IC

Original
(Reverse Blank).

SECRET

AUSTRALIAN MILITARY FORCES

VIETNAM

Headquarters
Australian Force VIETNAM

R193 - 1 - 11

13 Dec 66

D Sigs (2)

COMMUNICATIONS REPORT - NOV 66

Point to Point Circuits

1. Circuit Data Summaries - Annexes A to E.

2. Rear Link

a. Insulation for, and installation of air conditioning at transmitter building was commenced. One air conditioning unit installed and operational 10 Nov. High ambient temperatures caused many ISB drive faults throughout the month. Temperatures were high due to insulation of building before the air conditioner was fully operating. A further air conditioning unit is to be installed as soon as it becomes available.

b. A new "sloping V" antenna was erected at the receiver site and became operational 25 Nov. The relocation was necessary because a satellite station was built within the previous "sloping V". The new antenna resulted in improved reception because of its relocation separate from US antennae servicing equipment which had previously been causing QRM.

c. Alternate, D10 keying lines, were completed from transmitter to receiver site 29 Nov. This provides an alternative line or PRC-25/line route for keying.

d. Extensive line repair work carried out throughout the month due to damage caused by US construction work.

3. Radio Relay

a. Faulty internal frequency calibration of a TRC-24 station caused QRM to a US Satellite Tracking Station at TAN SON NHUT. This fault was pointed out by a US Electro-magnetic capability team (RFIT). Notes on this teams capability are at Annex F.

b. In support of Op HAYMAN; see Annex M, a radio relay det was formed and deployed. It was only possible to deploy this det by removing all spare equipments from existing stations. Details of the installation are at Annex G.

RAAF Communications

4. NO significant changes. Radio Officer's report for months Sep/Oct and submission on comms requirements for RAAF contingent VUNG TAU are at Annexes H and I respectively.

Area Communications

5. Traffic volume graphs are attached as Annexes J and K.

6. See OC 103 Sig Sqn's DO at Annex L.

/Tactical Comms

SECRET

Tactical Communications

7. See Annex L.

8. A copy of HQAFV R193-1-21 of 2 Dec, a report on SAS communications in SVN, is at Annex M.

Signal Projects

9. Comcen 1 ATF - Building 70% complete.

Miscellaneous

10. Equipment

a. A copy of the report on KW-7/TT-76 keying faults is at Annex N.

b. Fault rates remain high on AN/PRC-47, R5223 and Bucknell generator.

11. 547 Sig Tp - Two 50' x 30' Standard Tropical huts have been erected to accommodate Operations and Tg Terminal/Offices.

12. Inf Bn Comms - Notes are at Annex O.

2 Dec
(J. H. BIRD) Maj
SO SIGS HQ AFV

ANNEXES

A - Monthly Circuit Data Summary SAIGON/MELBOURNE.
B - Monthly Circuit Data Summary SAIGON/VUNG TAU.
C - Monthly Circuit Data Summary SAIGON/NUI DAT.
D - Monthly Circuit Data Summary 1 ALSG VUNG TAU/RAAF VUNG TAU.
E - Monthly Circuit Data Summary VUNG TAU/NUI DAT.
F - Report on US Electro-magnetic capability team.
G - Details RR installation Op HAYMAN.
H - RAAF Radio Offrs report Sep/Oct.
I - Submission Comms requirement RAAF contingent VUNG TAU.
J - Traffic volume graph HQ AFV COMCEN.
K - Traffic volume graph 1 ALSG COMCEN.
L - OC 103 Sig Sqn's DO.
M - Report SAS Comms SVN.
N - Report on KW-7/TT-76 keying faults.
O - Notes on Inf Bn Comms.

Annex 'A' to HQ AFV
R 193-1-11 of 13 Dec 66

RESTRICTED

MONTHLY CIRCUIT DATA SUMMARY

1. Circuit

SAIGON - WATSONIA

2. Period

1-30 Nov 66

3. Schedule

Continuous

4. Detail of Circuit

Classified; Duplex, RTT, HF SSB

5. Percentage Schedule Available to traffic

In 82% - 19.7 hrs daily

6. Total Messages IN and OUT

9912

7. Traffic Breakout by

a. Precedence

	Flash	Nil
	Immediate	1314 - 13.3%
	Priority	3758 - 37.9%
	Routine	4840 - 48.8%

b. Classification

Top Secret)	
Secret)	
Confidential)	NOT avail
Restricted)	
Unclassified)	

8. Miscellaneous Comments

RESTRICTED

Annex 'B' to HQ AFV
R193-1-11 of 13 Dec 66

RESTRICTED

MONTHLY CIRCUIT DATA SUMMARY

1. Circuit

SAIGON - VUNG TAU

2. Period

1 - 30 Nov 66

3. Schedule

Continuous

4. Detail of Circuit

Duplex; TTY, Classified, US/AUST bearer circuit

5. Percentage Schedule Available to Traffic

87% - 20.9 hrs daily

6. Total Messages IN and OUT

4223

7. Traffic Breakout By

a. Precedence

Flash	Nil
Immediate	220 - 5.2%
Priority	1594 - 37.7%
Routine	2409 - 57.1%

b. Classification

Top Secret	)
Secret	)
Confidential	) NOT aval
Restricted	)
Unclassified	)

8. Miscellaneous Comments

RESTRICTED

Annex 'C' to HQ AFV
R193-1-11 of 13 Dec 66

RESTRICTED

MONTHLY CIRCUIT DATA SUMMARY

1. Circuit

SAIGON - BA RIA

2. Period

1 - 30 Nov 66

3. Schedule

Continuous

4. Detail of Circuit

Simplex; TTY, Classified, US/AUST boxer circuit

5. Percentage Schedule Available to Traffic

89.1% - 21.4 hrs daily

6. Total Messages IN and OUT

2980

7. Traffic Breakout By

a. Precedence

Flash	Nil
Immediate	200 - 7.8%
Priority	605 - 23.5%
Routine	1775 - 68.7%

b. Classification

Top Secret	)
Secret	)
Confidential	) NOT aval
Restricted	)
Unclassified	)

8. Miscellaneous Comments

RESTRICTED

RESTRICTED

ANNEX 'D' TO
HQ AFV R193:1:11
DATED 13 DEC 66

MONTHLY CIRCUIT DATA SUMMARY

1. Circuit

1 ALSG - RAAF VUNG TAU

2. Period

1 - 30 Nov 66

3. Schedule

Continuous

4. Detail of Circuit

Simplex Tg over land line

5. Percentage Schedule Available to Traffic

94%

6. Total Messages IN and OUT

2191

7. Traffic Breakup By

a. Precedence:

Flash	Nil
Immediate	77
Priority	1360
Routine	754

b. Classification:

Top Secret	)	
Secret	)	
Confidential	)	NOT aval
Restricted	)	
Unclassified	))	

8. Miscellaneous Comments

RESTRICTED

[redacted]

[redacted]

[redacted]

1. [redacted]

1 AUSCOM - 1 AUSTO

2. Period

1 - 30 Nov 66

3. Schedule

Continuous

4. Detail of Circuit

Simplex TG over AUST/US boundary

5. Percentage Schedule Available to Traffic

92.048%

6. Total Messages IN and OUT

1006

7. Traffic Breakout by

a. Precedence:

Flash	Nil
Immediate	181
Priority	458
Routine	367

b. Classification:

Top Secret	)	
Secret	)	
Confidential	)	NOT aval
Restricted	)	
Unclassified	)	

8. Miscellaneous Comments

RESTRICTED

SECRET

Annex F to HQ AFV
R193-1-11 of 13 Dec 66

USMACV ELECTROMAGNETIC CAPABILITY TEAM

Introduction

1. MACV has recently acquired the use of an "Electromagnetic Capability Team" and equipment for use within SVN. The team is tasked by the J-6 (Communications-Electronics) branch of MACV primarily with the detection of RF interference. The services of the team are available to AFV.

Facilities Available

2.
a. Ground RF direction finding 14 KCS to 10 GCS.

b. Environmental studies and noise level surveys 14 KCS to 10 GCS.

c. Field Intensity Measurements 14 KCS - 10 GCS.

d. Study of electromagnetic radiation hazards to:

(1) Personnel.
(2) Electro-explosive devices.
(3) POL.

e. Photographic recording:

(1) Scope DC - 15 MCS.
(2) Analyzer 10 MCS to 10 GCS.

f. Graph recording (2 channel).

g. Spectrum analysis 10 MCS to 10 GCS.

h. Frequency standardization DC to 3 GCS.

Equipment Used

3. The complete installation is mounted on a modified 1 Ton Dodge "Power Wagon" which is air transportable by C-130 (Hercules) aircraft. Major equipment items include:

a. 2 x 5KW petrol generators (mounted on roof).
b. Field strength meter.
c. R391 communications receiver.
d. Hewlett-Packard Frequency counter and analyzer.
e. Oscilloscope.
f. Log periodic and loop antennae.
g. HF tranceiver for communication with MACV J-6.
h. Air conditioner.

Employment

4. The team is generally employed on detection of interfering stations and frequency calibration. It is interesting to note that over 80% of the interference problems investigated concern AN/TRC-24 interference and in almost every case the cause of the interference has been traced to faulty internal calibration of AN/TRC-24 equipments. Other problem areas are stated to be VHF FM and UHF AM tranceivers.

Comment

5. In AFV experience the major problem areas are HF and VHF FM ground - air - ground communications.

SECRET

RR INSTALLATION - OP HAYMAN

Task

1. Provide for voice/tg channels in sp of Op HAYMAN on LONG SON Island:

Fwd TF TOC	-	Rear TF TOC	1 voice
" " "	-	G2 HQ AFV	1 voice
Fwd TF HQ Swbd	-	Rear TF HQ Swbd	2 voice
" " " "	-	1 ALSG Swbd	1 voice
Fwd TF Sigcen	-	Rear TF Sigcen	1 telegraph

Equipment

2. a. Fwd TF HQ (LONG SON Island):

2 x AN/TRC-24 (1 spare))
1 x Group Modem)
2 x TA-5006/U) In 3/4 ton veh - set up in tent 16' x 16' at site - worked direct to MRC-69 at NUI DAT.
2 x 6.25 KVA ONAN Gens (1 spare) - in ½ ton tlr.
2 x AN/PRC-25)
1 x AN/TCC-14) carried loose - set up as emergency DX 1+1 working direct to 1 ALSG - 1 horizontal and 1 vertical dipole wire aerial

b. Rear TF HQ (NUI DAT):

1 x MRC-69 (converted to repeater terminal for Op)

c. 1 ALSG (VUNG TAU)

2 x AN/PRC-25)
1 x AN/TCC-14) emergency DX 1+1 to Fwd TF HQ.

d. General RR eqpt obtained by removing all on-station spares from the four normal detachments which had to remain operational during this period.

Personnel

3. 3 x TE with fwd det.

Results

4. Both the AN/TRC-24 circuit and the AN/PRC-25 DX 1+1 emergency circuit worked well and were operational within 2 hours of landing on the island.

Comment on Op

5. a. The demand for voice channels is significant and similar demands may be expected for future ops of this type. It Strengthens a general impression that comms for ops in this theatre will primarily be based on RR and VHF FM. The facilities provided by HF radio circuits are likely to be considered quite inadequate by users.

b. The removal of all on-station spares from RR dets providing the in-theatre system involved an unacceptable risk. There is need for at least one more MRC-69 (R) in theatre. As a result of AN/TRC-24 courses run within 145 Sig Sqn, sufficient operators could be produced to man it during TF operations.

Annex 'N' to HQ AFV
R193-1-11 of 13 Dec 66

CONFIDENTIAL

AUSTRALIAN MILITARY FORCES

VIETNAM

R193/2/1

Headquarters
Australian Force VIETNAM

13 Dec 66

D Sigs (2)

KW-7/TT-76A KEYING FAULT

Reference: A. KAM-143B/TSEC Repair and Maintenance Instructions for TSEC/KW-7.

B. MWO 11-5815-205-30/1 Modification Work Order for Installation of KW-7 in AN/MGC-17.

Introduction

1. Intermittent corrupting of local and distant copy, increasing in incidence under high ambient temperature conditions, has been experienced when TT-76A and KW-7 equipment is used as specified in Reference A. Improvement in the quality of copy has been obtained by employing measures detailed in Reference B. Further investigation is necessary.

Operation as per KAM-143B/TSEC (Reference A)

2. Until recently, equipment has always been connected as specified in the reference which includes bypassing of Filters Radio Interference 120V 60MA FL1 and FL2 in the TT-76A equipment as noted in Chart 3-7 pp 85-86. In this configuration, and when operating at 50 bauds, the following applied:

a. Uncorrupted encrypted output from the KW-7 could only be obtained when the TD send contacts on the TT-76A were set for 20-30% marking bias; this adjustment was critical and varied with different combinations of particular TT-76 and KW-7 machines.

b. With this adjustment, and at normal temperatures (70-80°F) occasional intermittent corrupting still occurred, but not to an extent that equipments could not be used; the TT-76 bias setting required regular re-adjustment.

c. Recently it has been found that if the ambient temperature increased, the incidence of corruption of the KW-7 output increased, until at $\geq 90°F$ it is completely garbled. After being allowed to cool, both TT-76A and KW-7 equipments will operate satisfactorily, until approximately 30 minutes after being returned to a high temperature area.

Operation as per MWO 11-5815-205-30/1 (Reference B)

3. This US Modification Work Order for Installation of KW-7 in AN/MGC-17 has been sighted but a copy is NOT held. It specified the following for operation of TT-76A with KW-7:

/a. Filters

a. Filters FL1 and FL2 in the TT-76A are NOT to be bypassed vide Chart 3-7, pp 85-86 of Reference A.

b. A 27K resistor is to be placed in series with the TD send contacts of the TT-76A vide para 10 d (3)(c) of Reference A. (This para cannot be located in any copies of reference A sighted; it is possible that it is contained in an amendment NOT yet received.)

4. Limited tests were carried out with the 27K resistor inserted vide para 3 :

a. At 50 Bauds

(1) With the filters out of circuit the send contacts of the TT-76 can be set for zero bias ± 10% and a significantly improved KW-7 output results; the bias setting is not so critical and does not have to be re-adjusted so frequently.

(2) It has yet to be established that the modification is effective with the filters in circuit.

(3) Tests at high ambient temperatures have not been attempted, but there is reason to believe that, even with the resistor in, the KW-7 output is affected by temperature variations.

b. At 75 Bauds

(1) With the filters out of circuit, insertion of the resistor produced worse results - bias adjustment becam very critical.

(2) Tests have not been conducted at this speed with the full modification (both filters and resistor in circuit).

Discussion

5. The significance of the above should be gauged against:

a. The marked improvement in operation at 50 bauds and normal temperatures that results from using the 27K resistor.

b. The necessity to have TT-76 machines without the resistor in circuit for use on unclassified circuits (STRATCOM, SCO engineering, local SIGCEN).

c. The inability to guarantee air conditioning and therefore stable temperatures in this theatre.

d. The desireability of adopting 75 bauds on the Melbourne circuit and eventually on in-theatre circuits (when a page printer capable of 75 baud operation is available). (Note the system complexity and the diversity of equipment configurations that would exist if 75 bauds were adopted at present.)

/6. It is

6. It is obvious that the operation of the TT-76 with the KW-7 should be promptly and thoroughly investigated, however normal committments prevent this being done in theatre. No information, additional to that above, is available from US sources in theatre.

Recommendation

7. It is recommended that D Sigs initiate investigations to establish the best method of TT-76/KW-7 operation bearing in mind:

a. The high ambient temperatures that may apply.

b. The desireability of 75 baud operation.

c. The desireability of radiation suppression (use of send line filters).

d. The need for maximum uniformity in equipment configurations.

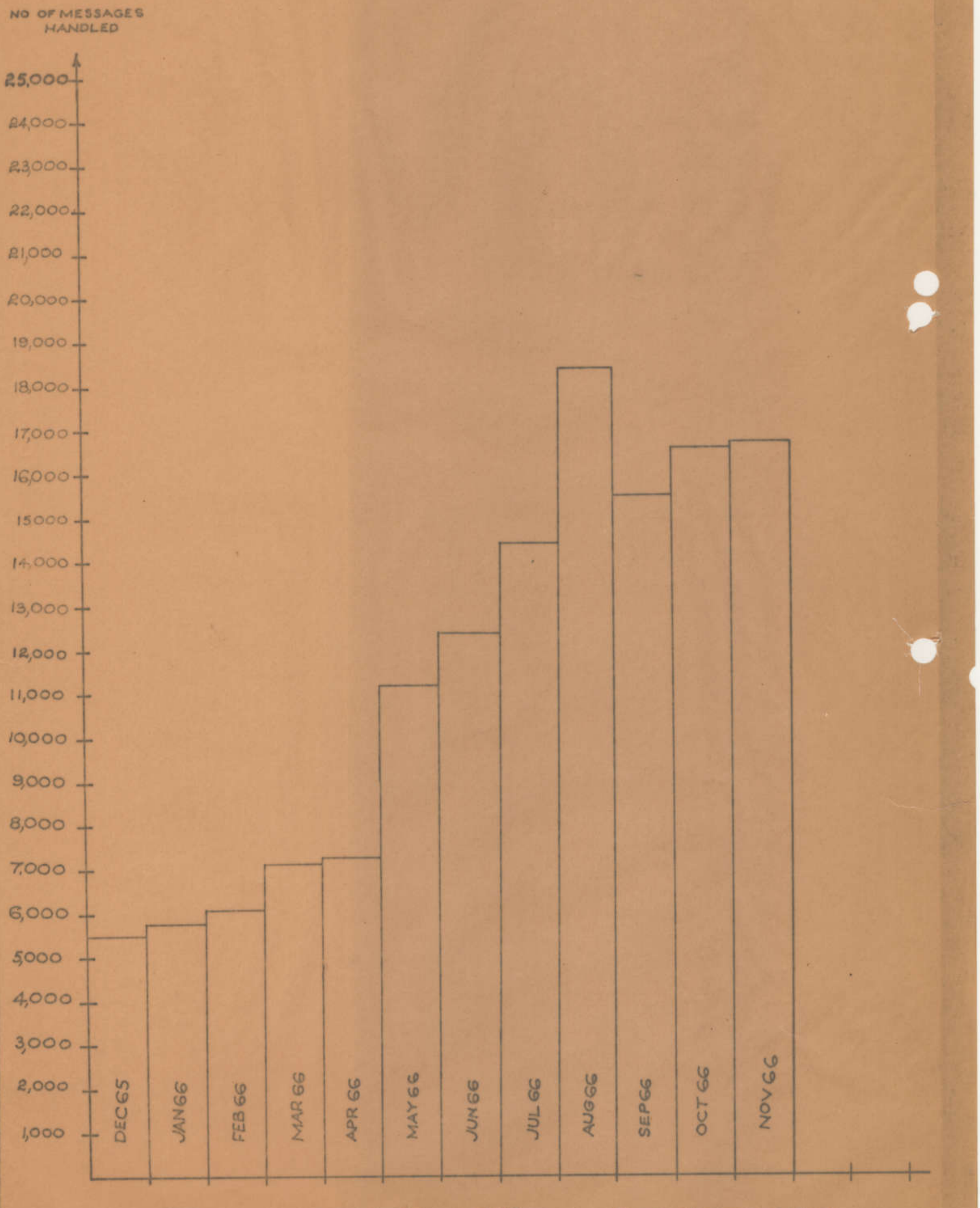
(J. H. BIRD) Maj
SO Sigs HQ AFV

Copy to: 145 Sig Sqn (2)
103 Sig Sqn
6 Sig Regt

Annex 'J' to HQ AFV
R193-1-11 of 13 Dec 66

CONFIDENTIAL

TRAFFIC VOLUME HQ AFV COMCEN



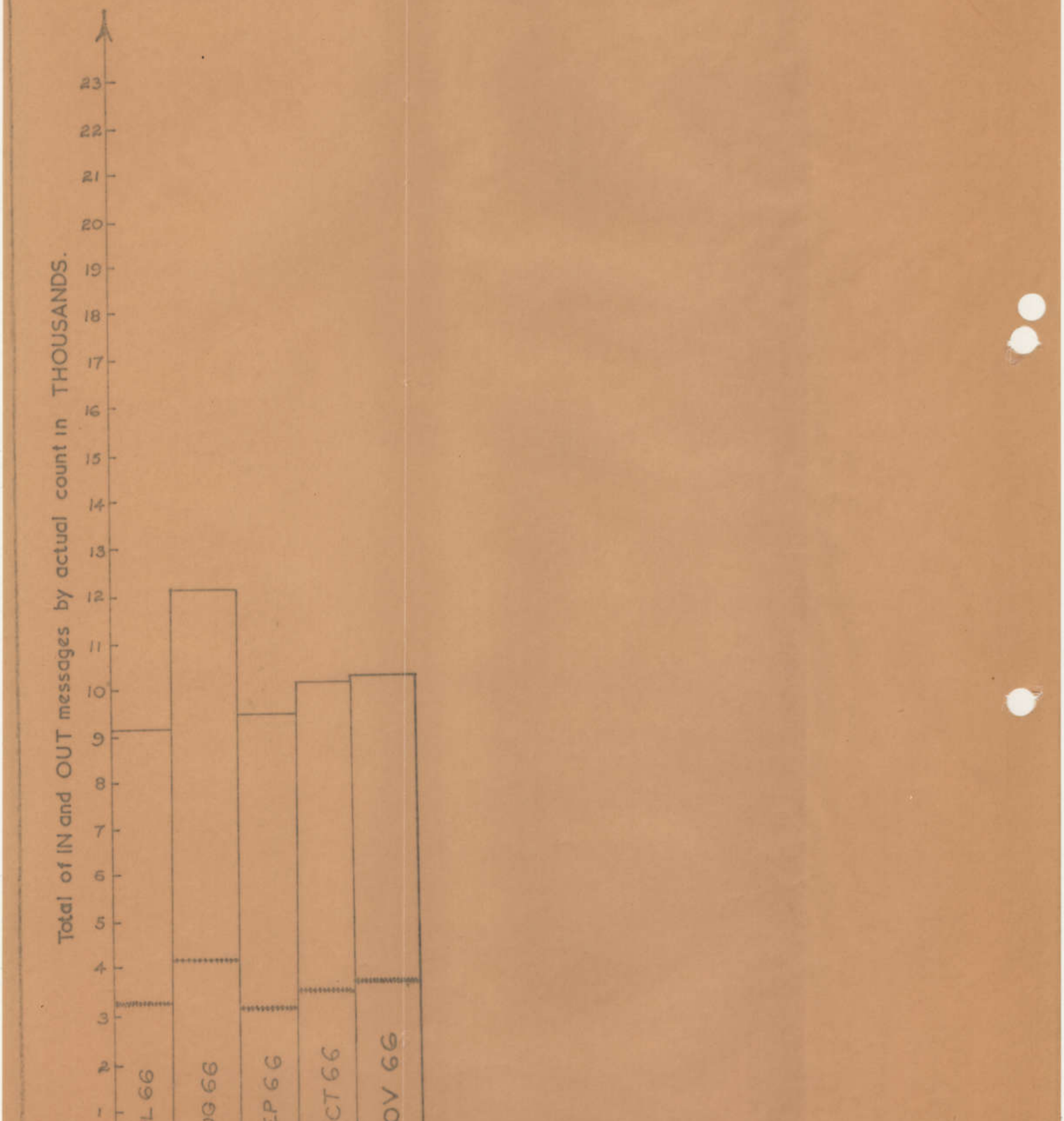
NOTE Compiled as total of IN and OUT messages by actual message count.

CONFIDENTIAL

Annex K to HQ AFV
R193-1-11 13 of Dec 66

CONFIDENTIAL

TRAFFIC VOLUMES MINOR RELAY
STATIONS VUNG TAU & 1ALSG SIGCEN



CONFIDENTIAL