III MAF HISTORICAL DATA

TABLE OF CONTENTS

AO4C-mas-39

LtCol WALKER

Col LEMAY
Col RUDENAUER
Communications-Electronics Operation/Statistical Reports

1. A review of reports and summaries of Marine Corps operations in Vietnam reveals that Communications-Electronics is receiving little coverage.

2. This deficiency affects Communications-Electronics readiness in two ways. First, current efforts would be more responsive and easier to justify if they were based on documented operational statistics. Second, future efforts would more accurately reflect the developing trends. These trends which include substantial increases in both equipment and traffic are valid only if they are properly documented.

3. In addition to affecting the generation and validation of requirements the information is of material value in justifying the evolution of the Communication-Electronics function from special to general staff status.

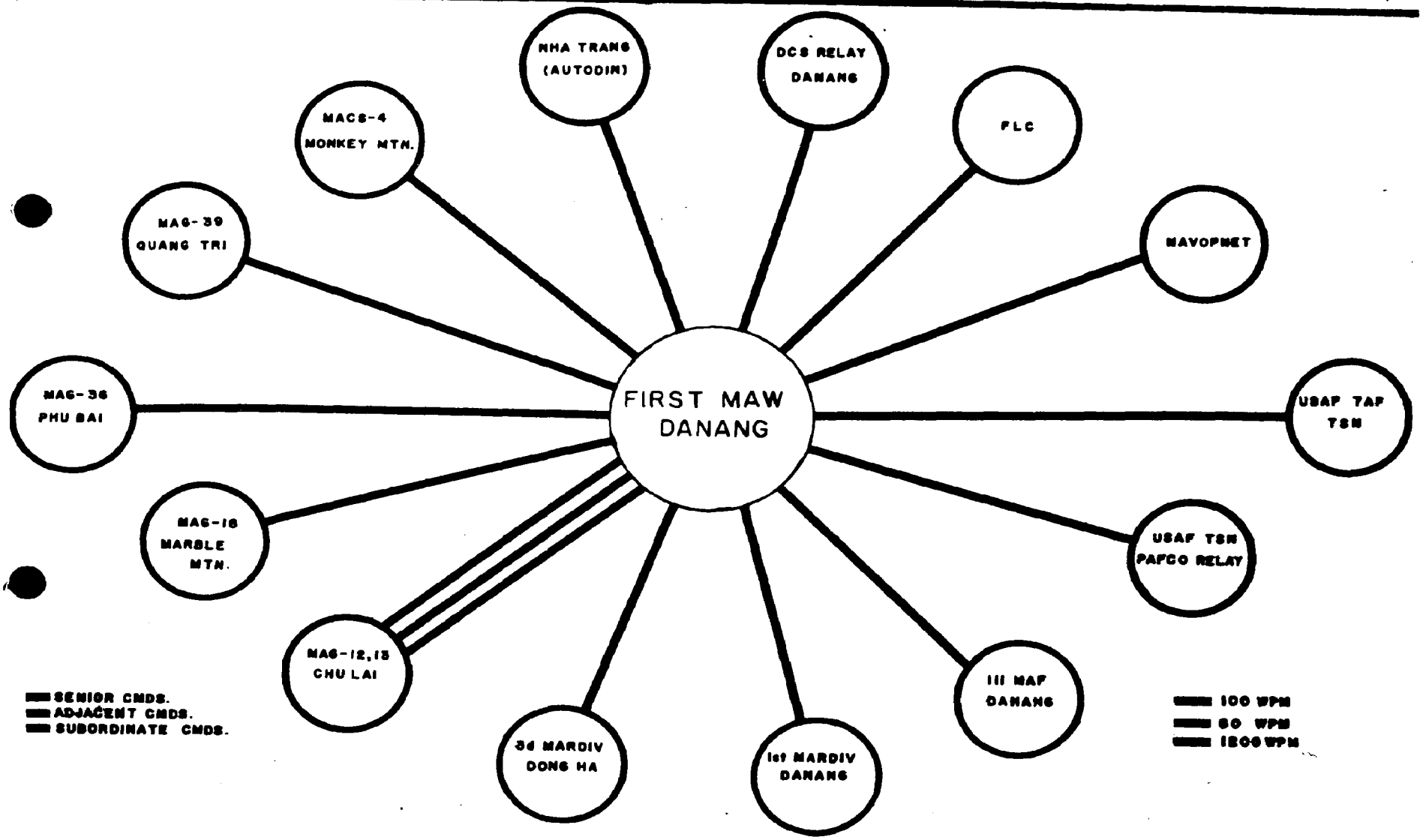
4. It is recommended that a positive effort be made to:

a. Recover and document the data which covers the period FY 1965 - FY-68 .

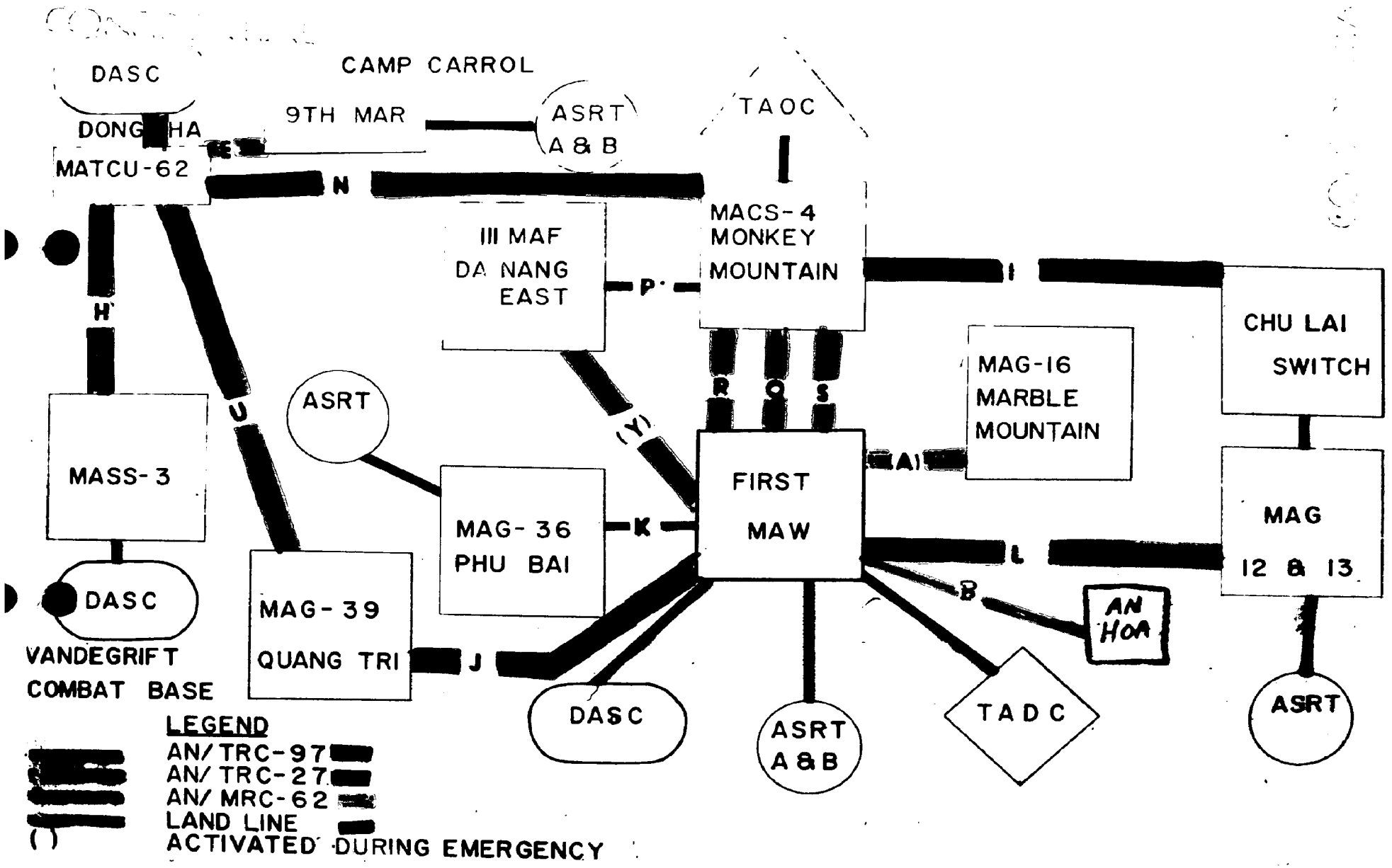
b. Document future developments.

Copy to:
LtCol STONE

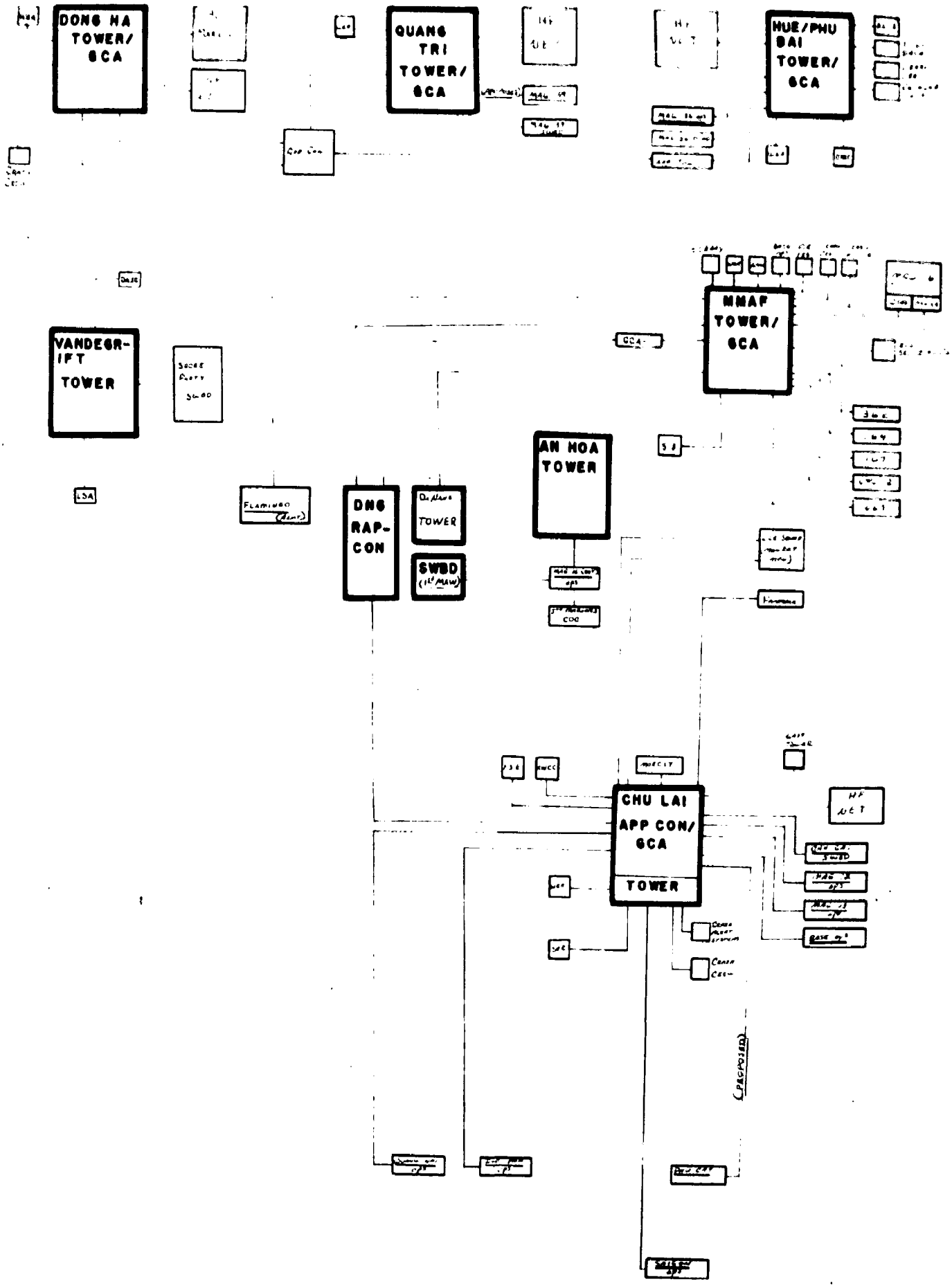
FIRST MAW TTY CIRCUITS

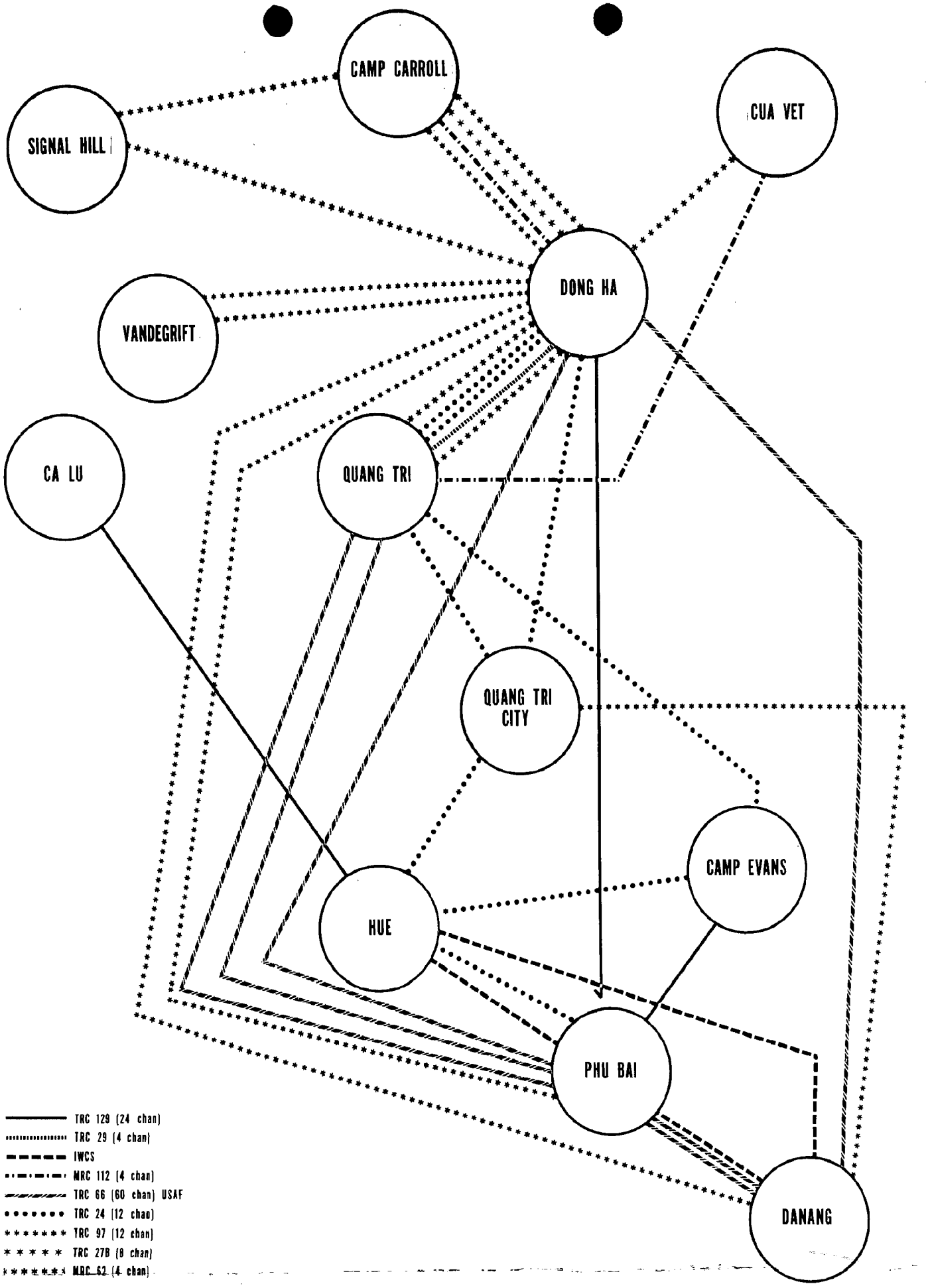


MULTICHANNEL RADIO SYSTEMS



MATCU COMMUNICATION CIRCUITS




CAMP CARROLL
SIGNAL HILL
CUA VET
DONG HA
VANDEGRIFT
CA LU
QUANG TRI
QUANG TRI CITY
CAMP EVANS
HUE
PHU BAI
DANANG
TRC 129 (24 chan)
TRC 29 (4 chan)
IWCS
MRC 112 (4 chan)
TRC 66 (60 chan) USAF
TRC 24 (12 chan)
TRC 97 (12 chan)
TRC 27B (8 chan)
MRC 52 (4 chan)

PRC
WORKBOOK

COSTS

VAULTS - for communications ≈ $80.00 SF

BUILDINGS - CONCRETE BLOCK $20.00 SF

[illegible] FACTOR (MULTIPLIER)

SIA[illegible]	[illegible]
KO[illegible]	2.5
ADAK	3.0
[illegible]	1.2
[illegible]	1.1
[illegible]	1
[illegible]	.8
[illegible]	1.3 to 2.8
[illegible]	1.3
WASH DC	1.0

RECOMMENDATION: 20% fixed facilities
80% transportable facilities

Data obtained from DCA analysis, 1968

PCW
WORKBOOK

COSTS

VANS - for communications ≈ $80.00 SF

BUILDINGS - CONCRETE BLOCK $20.00 SF

LOCATION FACTOR (MULTIPLIER)

SIAGON	2.2 - OTHER RUN = 2.5
KODIAK	2.5
ADAK	3.0
WESTERN	1.2
TURKEY	1.1
[illegible]	1
Netherlands	.8
AUSTRALIA	1.3 to 2.8
CANAL ZONE	1.3
WASH DC	1.0

RECOVERABILITY: 52% fixed facilities
81% transportable facilities

Data obtained from DCA analysis, 1968

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Aug 413

#0060 3

TTCZYUW RUEBLFA0023 0791810-CCCC--RUEBHOA.
ZNY CCCCC
R 201833Z MAR 69
FM COMNAVCOMM
INFO CMC
P R 190922Z MAR 69
FM CG III MAF
TO NAVCOMMSTA PHIL
INFO CINCPACFLT
CG FMFPAC
COMNAVCOMM
CG FIRST MARDIV
CG FIRST MAW
CG THIRD MARDIV
COMNAVSUPPACT DNG
NAVCOMMSTA CRB
BT
C O N F I D E N T I A L
NAVCOMOPNET (U)
A. YOUR 140548Z MAR 69
B. OPNAVINST 02303.7D
1. (C) REF A PROPOSES DISCONTINUANCE OR RETERMINATION OF RVN

AO4
ABC

69 2 17 02 6 7 8

PAGE TWO RUEBLFA0023 C O N F I D E N T I A L
MARCOR NAVCOMOPNET SUBSCRIBERS.
2. (C) PURPOSE OF NAVCOMOPNET, AS DEFINED REF B, IS TO PROVIDE COMMANDERS OF MOBILE COMPONENTS AN ADEQUATE AND SECURE OPERATIONAL COMM SYSTEM WITH RAPID SPEED OF SERVICE. LOW VOLUME OF TRAFFIC ON NAVCOMOPNET NOTED REF A ATTRIBUTED TO REQUIREMENT THAT TRAFFIC BE LIMITED TO THAT MEETING CRITERIA PARA SEVEN REF B IF RAPID SPEED OF SERVICE BETWEEN SUBSCRIBERS IS TO BE MAINTAINED.
3. (C) MAJOR MARCOR COMMANDS IN-COUNTRY HAVE CONTINUING REQUIREMENT FOR CHANNEL OF COMM TO AFLOAT NAVAL ELEMENTS. NAVCOMOPNET AS PRESENTLY CONFIGURED HAS PROVIDED EXCELLENT SERVICE IN PAST. THEREFORE, DELETION OF MARCOR TERMINALS OR RETERMINATION OF CKTS AS PROPOSED REF A NOT RPT NOT CONCURRED IN, SINCE EITHER COURSE OF ACTION WOULD DEPRIVE OPERATING ELEMENTS OF AN ESSENTIAL RAPID CHANNEL OF COMMUNICATION.
GP-4
BT
#0023

190922

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CONFIDENTIAL

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613

RTTCZYUW RUHHFMA2309 0730009-CCCC--RUEBHOA.
ZNY CCCCC
R 140009Z MAR 69
FM ADMIN FMFPAC
TO RUEBHOA/CMC
BT
C O N F I D E N T I A L
COST SURVEY OF FIXED PLANT COMM FACILITIES (U)
A. CG III MAF 121422Z/MAR69
1. (U) REF A PROVIDES MAJORITY REQUIRED SUBJ INFORMATION.
2. (C) ADDITIONAL INFO AVAILABLE THIS HQ INDICATES LEASE COST UNIVAC 1004 AUTODIN TERM LOCATED III MAF AND FIRST MAW $6,105 PER MONTH EACH.
3. (C) PURCHASE COST MODE V TERM EQUIP MAG-12 NOT AVAILABLE THIS HQ.
GP-4
BT
#2309

NNNN≠

070 AM 3 0 2 69

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QVKOTW

CONFIDENTIAL

A04

AS

69 06 01 149

VV CMC403
VV MAF731
DE RHMMAFA #1648 0711422
ZNY CCCCC.
RUHHFMA-I-RUEBHOA
R 121422Z MAR 69
FM CG III MAF
TO RUHHFMA/CG FMFPAC
INFO RUEBHOA/CMC
BT
C O N F I D E N T I A L
COST SURVEY OF FIXED PLANT COMM FACILITIES RVN (U)
A. CG FMFPAC 080307Z FEB 69
B. CMC 172332Z FEB 69
C. CG FMFPAC 210318Z FEB 69
D. NAVSEEAPAC 190022Z FEB 69
1. (C) REF A REQ COST OF FIXED PLANT COMM FACILITIES IN RVN AND PROVIDED GUIDANRE RELATIVETO COST ANALYSIS REQUIRD. REF B AMPLIFIED INSTRUCTIONS CNTN REF A AND SPECIFIED COST FACTORS REQUIRING CONSIDERATION. REF C REQ INFO BE SUBMITTED BY 14MAR69. REF D PROVIDED NAVSEEAPAC PROJECT COSTS FOR FIXED PLANT MARCOR COMM FACILITIES IN RVN.
2. (C) BASED ON GUIDANCE CNTN REF A AND B AND PROJECT COSTS PROVIDED REF D, FOL SURVEY SUBMITTED IAW REF C:

PAGE TWO RHMMAFA 1648 C O N F I D E N T I A L

FACILITY	EQUIP	MILCON	ENGR	INSTL MAT	INST LABOR	TOTAL
III MAF	43K	171K	14K	35K	69K	632K
III MAF COC	107K	95K	12K	48K	60K	322K
1ST MAW	269K	58K	6K	25K	"1K	389K
1STMARDIV	274K	44K	8K	30K	38K	394K
3DMARDIV	169K	51K	9K	38K	47K	314K
FORLOGCMD	183K	18K	8K	2K	40K	281K
MAG712	35K	12K	6K	22K	28K	103K

2435

3. (C) LEASE COST FOR UNIVAC 1004 AUTODIN TERM LOCATED AT III MAF AND FIRST MAW AND PURCHASE COST OF MODE V TERM EQUIP AT MAG-12 NOT AVAIL. LEASE FEE OF $7620 PER MO FOR IBM-360/20 AND PERIPHERAL EQUIP LOCATED FORLOGCMD NOT INCLUDED IN PARA 2 TOTAL COST FOR FORLOGCMD.
GP-4
BT
#1682

121422

CONFIDENTIAL

```
      +
  632 +
  322 +
  389 +
  394 +
  314 +
  281 +
  103 +
 2435 T
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DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380

MESSAGE DRAFT FORM (2100)
NAVMC HQ 539 (REV. 3-66)

DATE
17 FEB 1969

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048 22 08z69

17 23 32z FEB 68
DATE-TIME GROUP (GMT)

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	LTCOL WALKER/Soule		F. X. Rudenauer
FOR READDRESSALS, SHOW ORIGINATOR AND DATE-TIME GROUP HERE	OFFICE CODE	TELEPHONE	BILLET
	A04C/61	42542	F. X. RUDENAUER

By direction

FROM: CMC
RUHHFMA
TO: /CG FMFPAC
RHMMA FA
INFO: /CG III MAF
RUMLMPA /CG FLC
RUMHLA /CG 1ST MARDIV
RUMHVP /CG3RD MARDIV
RUMLMHA /CG 1ST MAW

FILE 10

69 0h 20 SPD

UNCLAS

COST SURVEY OF FIXED PLANT COMM FACILITIES RVN

A. CG FMFPAC 080307Z FEB 68

1. REF A OUTLINED REQR FOR COST SURVEY OF THE FIXED PLANT COMMUNICATIONS CENTERS/FACILITIES CONSTRUCTED IN RVN FOR III MAF FORCES.

2. BASIS FOR REQUIREMENT IS DOCUMENTATION OF TOTAL COST OF FIXED FACILITIES. ALL ELEMENTS OF THE FACILITY, INCLUDING AUTODIN AND MESSAGE CENTERS, MUST THEREFORE BE CONSIDERED.

3. FOLLOWING GUIDANCE PROVIDED TO ENSURE ALL CMDS CONSIDER SAME COST FACTORS. INCLUDE:

A. EQUIPMENT COSTS (PURCHASED ~~OR~~ AND LEASED)

B. MILITARY CONSTRUCTION COST

C. ENGINEERING COST

12332

...II MAF.

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FROM:

TO:

D. INSTALLATION MATERIAL COSTS

E. INSTALLATION LABOR COSTS

4. WHEN DETAILED COST FIGURES ARE NOT AVAILABLE CALCULATE ON BASIS OF EQUIPMENT INSTALLATION MATERIALS, EQUIPMENT INSTALLATION LABOR AND ELECTRONIC ENGINEERING COMBINED COST EQUALING 30% OF TOTAL EQUIPMENT COST. THIS FIGURE IS FURTHER BROKEN DOWN INTO 40% FOR MATERIAL, 50% FOR LABOR AND 10% FOR ENGINEERING. MCON COSTS SHOULD INCLUDE COSTS SUCH AS AIR CONDITIONING AND POWER BUT EXCLUDE REVETMENTS/SANDBAG PROTECTION.

5. HQMC HAS ESTIMATED DATA ON INITIAL INSTALLATIONS. THEY ARE:

A. HQ III MAF: $421. K

B. HQ 3D MARDIV: $144. K

C. HQ 1ST MAW: $212. K

D. HQ 1ST MARDIV: $227. K

6. REQUEST MILCON ESTIMATES ON FACILITIES LISTED PARA 5. AND TOTAL ESTIMATES ON ALL OTHER FACILITIES CONSTRUCTED SINCE DEPLOYMENT OF USMC FORCES TO RVN. LIMIT TO THOSE OF HQ III MAF,

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MESSAGE DRA...
NAVMC HQ 539 (REV...

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FROM:

TO:

DIV'S, WING, PLUS (MAG-12) FLC, AND FLSG'S. COMBAT OPERATIONS COMM FACILITIES SHOULD BE INCLUDED WHEN NONE T/E EQUIPMENTS USED.

7. CONSOLIDATED INFORMATION REQUIRED HQMC BY 17 MARCH 1969.

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MESSAGE DRAFT FORM (2100)
NAVMC HQ 539 (REV. 3-66)

DATE: 15 FEB 1969

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15 16 12 Z Feb 69

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TO:

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DATE: 15 FEB 1969

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NAVMC HQ 539 (REV. 3-66)

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HEADQUARTERS MARINE CORPS ROUTING SHEET (5211)
NAVMC HQ 335 (REV. 3-67)

DATE 17 Feb 69

RTG.	OPR. CODE	DATE IN	DATE OUT	INITIAL	ADDRESSEES
					COMMANDANT
					ASSISTANT COMMANDANT
					MILITARY SECY TO CMC
					CHIEF OF STAFF
					SECY OF GEN STAFF
					DC/S (PLANS & PROGRAMS)
					DC/S (MANPOWER)
					DC/S (RD&S)
					DC/S (AIR)
					DC/S (ADMIN)
					G-1
					G-2
					G-3
					G-4
					DIRECTOR, ADMIN
					DATA SYSTEMS
					MCCC
					FISCAL
					INFORMATION
					INSPECTION
					PERSONNEL
					POLICY ANALYSIS
					RESERVE
					SUPPLY
					MANAGEMENT ANALYSIS GROUP
					LEGISLATIVE
					COUNSEL
					WOMEN MARINES
					STAFF DENTAL
					STAFF MEDICAL
					STAFF CHAPLAIN
					OP - 09M
					ACofS, G-4 A04A
					Dep ACofS, G-4 A04A
					Exec Off A04B
					Admin Off
X		2/17			Comm-Elec Br A04C
					Gen Sup Br A04D
					Engineer Br A04E
					Ordnance Br A04F
					Material Req Br A04G
					Motor Trans Br A04H
					Plans & Ops Br A04J
FH		2/17			~~Facilities~~/O&M Br A04K
					I2S (Log) Br A04L
					Studies Br A04S

FROM: CMC

TO: CG FMFPAC

SUBJECT: COST SURVERY OF FIXED PLANT COMM FACILITIES RVN

REMARKS *(Entries to be dated and signed)*

A04C-lcf-61
17 Feb 69

A04C ACTION BRIEF:

Information requested on attached ~~memorandum~~ required to provide cost analysis data on fixed vs mobile/ transportable installations.

Separate cost elements are available in each command and the Naval Engineering Activity, Pac, however, they have never been consolidated.

Ref (a) was an initial attempt to consolidate costs but omitted key elements such as AUTODIN and message centers.

The guidance provided in the attached message will ensure that all pertinent costs are covered in a uniform manner.

(For additional remarks attach plain paper)

ROUTING - Use numbers to show order of routing

OPERATION CODE

X - ORIGINATOR OR OFFICE AFFIXING ROUTING SHEET
A - FOR APPROPRIATE ACTION
B - FOR COMPLIANCE
C - PREPARE REPLY FOR SIGNATURE OF _____
D - FOR COMMENT
E - FOR RECOMMENDATION
F - FOR CONCURRENCE
G - FOR INFORMATION
H - RETURN TO A04C-61
I - Signature _____

INITIAL FOR FILE

C-32142

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TTCZYUW RUHHFMA0972 0390307-CCCC--RUEBHOA.
NY CCCCC
R 080307Z FEB 69
FM CG FMFPAC
TO RHMMAFA/CG III MAF
INFO RUEBHOA/CMC
RUMLMHA/CG FIRST MAW (P004)
RUMHLA/CG FIRST MARDIV (W003)
RUMHVP/CG THIRD MARDIV (R003)
RUMLMPA/CG FORLOGCOMD
BT
C O N F I D E N T I A L
CG III MAF FOR G-6; CMC FOR A04C; FIRST MAW, DIV, FLC FORCEO
COST SURVEY OF FIXED PLANT COMM FACILITIES RVN
1. (C) CMC REQUIRES INFO TO SUBSTANTIATE PURCHASE OF VANIZED COMM CENTRAL VERSUS FIXED PLANT INSTALLATIONS SUCH AS IN RVN. SPECIFICALLY INFORMATION IS REQUIRED WHICH WILL PERMIT APPRAISAL OF COMPARATIVE COSTS BETWEEN TGC-37 COMM CENTER VANS AND FIXED PLANT COMM CENTER WITH THE LATTER ANALYSIS TO INCLUDE COSTS OF SUCH THINGS AS AIRCONDITIONING, POWER REQUIREMENTS, FACILITY CONSTRUCTION AND COMM EQUIPMENTS, AS WELL AS TIME REQUIRED FOR SITE PREPARATION AND EQUIPMENT INSTALLATION. SINCE TGC-37

PAGE 2 RUHHFMA 0972 C O N F I D E N T I A L
DOES NOT INCLUDE AUTODIN CAPABILITY OR MESSAGE CENTER FACILITY THE COST FACTORS ASSOCIATED WITH THESE FUNCTIONS SHOULD NOT BE INCLUDED IN ARRIVING AT AN EQUITABLE OVERALL/COST FOR COMPARATIVE ANALYSIS.
2. (U) REQUEST COST AND TIME SURVEY BASED ON ABOVE GUIDANCE BE CONDUCTED FOR MC FIXED-PLANT COMM FACILITIES AT DANANG, CHU LAI AND FIRST AND THIRD MARDIV.
3. (U) REPLY DIRECT TO CMC, INFO ORIG. BY 17FEB69.
BT
#0972

NNNN

A04

Not true - see attached staff xmission w

wrong !!

Facility Cost
Physical Plant

080307

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B

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06388

PTTCZYUW RUMMWAA3576 0901236-CCCC--RUEBHOA.
ZNY CCCCC
P 301236Z MAR 68
FM CG III MAF
TO RUHHFMA/CG FMFPAC
INFO RUHHLHA/NAVSEEAPAC
RUEBHOA/CMC
RUHHHQA/CINCPAC
RUHHBRA/COMSERVPAC
RUMSBB/FTAE SEASIA
RUHHLHA/NAVSHIPYD PEARL
RUCILFA/COMNAVCOM
RUEDBHA/NAVELECSYSCOM HQ
RUHHBRA/CINCPACFLT
RUMHVP/CG THIRD MARDIV
RUMHNA/FTAE REP DANANG
RUMHAW/CG FIRST MAW
BT
C O N F I D E N T I A L
THIRD MAR DIV COMM CTR PROJ 14-2229B (U)
A. NAVSEEAPAC 280020Z MAR 68 (NOTAL)— A04, CH, ABC
B. CG THIRD MARDIV 190058Z MAR 68 (NOTAL)- N/H

A04
CH
ABC

37 File F13

890 16 35260

PAGE TWO RUMMWAA 3576 C O N F I D E N T I A L
1. REF A ADVISED THAT EXISTING ENGINEERING WORKLOAD AND PROCUREMENT LEADTIME FOR CRITICAL MATERIAL PERMITS A SCHEDULE FOR INTERIM HIGH LEVEL INSTLN FOR SUBJ PROJ THAT INDICATES ON-SITE INSTLN DURING PRD 1 JUL 68 TO 15 AUG 68.
2. THIS HDQS CONSIDERS THE SCHEDULE PROPOSED REF A TO BE INADEQUATE TO SUPPORT THE OPERATIONAL REQUIREMENTS OF THE THIRD MARDIV. THE FOLLOWING COMMENTS APPLICABLE.
A. SUBJ PROJECT HAS BEEN IN EXISTENCE FOR A CONSIDERABLE PERIOD OF TIME AND WAS SUSPENDED FOR PERIOD OF APPROXIMATELY ONE MONTH DURING RELOCATION OF THIRD MARDIV DUE OPERATIONAL COMMITMENTS. CHANGES RESULTING FROM RELOCATION INVOLVED PRIMARILY LAYOUT. NATURE OF PROJECT DID NOT CHANGE, I.E. IT REMAINED AN INSTALLATION OF A COMM CENTER.
B. LONG LEAD TIME ITEMS WERE PURPORTEDLY ON ORDER AT TIME OF PROJECT SUSPENSION. AS UTILIZATION OF LONG LEAD TIME ITEMS IS SAME BOTH LOCATIONS, ASSUMED THAT THOSE ORDERS WOULD REMAIN VALID.
C. REF A CITES DESIGN ENGINEERING TO TAKE THREE AND ONE HALF MONTHS. INSTALLATION IS STANDARD COMM CEN INSTL AND STANDARD DESIGN PACKAGES SHOULD BE AVAILABLE FOR MAJORITY OF DESIGN ENGINEERING REQUIRED.
D. AS STATED REF B, THE THIRD MARDIV COMM CEN IS TOTALLY INADEQUATE IN SPACE AND IS EXCEEDINGLY VULNERABLE TO ENEMY ARTY AND ROCKET FIRE,

301236

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PAGE THREE RUMMWAA 3576 C O N F I D E N T I A L
PREVIOUSLY EST BUD OF 1 APR IS NOW FIRM BOD, AND REQD INSTL COMMENCE ON OR ABOUT 1 APR 68.
2. IN VIEW URGENCY OF OPERATIONAL REQUIREMENT FOR COMPLETION SUBJECT PROJECT, RECOMMEND:
A. ALL EFFORTS, INCLUDING CONSIDERATION OF INSTALLATION BY OTHER AGENCIES, BE EXERTED TO EXPEDITE COMPLETION SUBJ PROJ.
B. PARTIAL INSTALLATIONS BE COMPLETED AS SOON AS AVAILABLE.
C. UTILIZATION OF INSTALLATION MATERIAL PREPARED FOR FIRST MAW 1004 INSTL PROJECT 14-2229F. RATIONALE SUPPORTING THIS RECOMMENDATION WILL BE PROVIDED BY SEPARATE CORRESPONDENCE.
GP-4
BT

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HQCOMMCEN
ROOM2220
EXT 41721

R-2

33

Aq
cH
Aor

5 MAY 67 10 33Z

VZCZCWUN483YYNBI82
PP HW D
DE HYNA Z805 1250431
ZN ZCCC
P 250431Z MAY67
FM SENINO FMFPAC
TO ODKE/CG III MAF
INFO UW D/CMC
BT
C O N F I D E N T I A L
FIXED PLA T TELETYPE EQUIPMENT REQUIREMENTS (U)
A. CG FIRST MARDIV LTR 10/FD/2HA SER 0269-66I OF 17NOV66I NOTAL
B. CG III MAF LTR 1013/PED OVER 2000 OF 20NOV66I NOTAL
C. CG FMFPAC LTR 101:1/AHT OVER 23011 9I 2063:6Y0
D. SU CNE FIRST ADEN LT FAL: JCW SD 088-67 OF 20FEB67 NOTAL
E. CO MAG 16 LTR 4C/RIH OVER 4441 OF 13APR67 NOTAL
1. REFS A AND B CONTAINED REQUESTS FOR SUZJ EQUIPMENT WHICH WEE SUBSEQUENTLY IONSOLIEATED A D FORWARDED TO CMC FOR PROCUREMENT I REF C. HOWEPER, REFS QD AND E CONTAIN REQUESTS FOR ADDITITNAL OIRIXED PLANT TELETYPE EQAIPMENT TO SATISSY NEW REQAIREMENTSWM SINCE MOST

EXPEDITIOUS POCUREMENT AND DELIVERY OF THIS EQAIP CAN BE EALIZED TH
OUGH A CONSOLIDATED SUZMISSION, REQUEST AEVISE OF WBY OTHE RE-/ IUIREMENTS FOR ADDITIONAL SIXED PLA T TELETYPE EQUIREMENTS I III MAF. REFS D A D E WILLHOS HELE IN APEYANCE PENDING REPLY.
GP-4
BT

05 04 31

CONFIDENTIAL

NAVAL MESSAGE
OPNAV FORM 2110-33 (REV. 6-61)

NAVY DEPARTMENT

UNCLASSIFIED

PRECEDENCE ACTION	RELEASED BY	DRAFTED BY	PHONE NO.
ROUTINE INFO ROUTINE	CAPT R.H. WHITE, USN OP-94B	MRS. R.L. ERNO (Op-94V/V303)-3/15/67-jfb	44743

40 w
A02 cw FILE R-2
402 —

R 212032Z MAR 67

FM CNO

TO CMC
NAVCOMMSYSHQ

INFO CG FMFPAC
NAVELECSYSCOMHQ

UNCLAS

URGENT COMM EQUIP FOR III MAF

A. CMC spdltr A04C-jmm-34 of 6 Mar 67

1. Ref A requested urgent priority 2 procurement for communications equip to meet SEASIA requirements. No resources available to meet these req from CNO assets.

2. For CMC. Procurement action will be initiated by NAVCOMMSYSHQ upon receipt of funds from MARCORPS.

V40 COG

3. For NAVCOMMSYSHQ. Req initiate expedited procurement to meet needs cited ref A upon receipt of funds. Provide CMC with delivery data when available.

RECEIVED AT CNO COMMUNICATIONS CENTER
21 20 32Z MAR 67

94
94B
94V
94V1
V1R
V40
V30
V30B

DRAFTER: Op-94V

DIST: 00...09...BFR...FLAG PLOT

CIRCUIT NO. (COMMO)	PAGE OF PAGES	TOR/TOD	CONTROL NO. (COMMO)	DTG (COMMO)
	1 | 1		4129/NB	212032Z MAR 67

UNCLASSIFIED

COPY 1 H-49084

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DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380

E-83

MESSAGE	Act	Cog	Info	Copy	Initial
G-4					
Exec					
Asst	✓				
C&E					
E&P					
GS					
MR					
MT					
CRD					
P&O					
FILES					

FILE
Fixed Plant Teletype Equipment

B

MMNAYGZFEMA210ECE0058
PP RUECEM
DE RUHLBP 2935 3230916
ZNY CCCCC
P R 190916Z NOV 66
FM CG FMFPAC
TO RUECEM/CMC
INFO RUHNMF/CG III MAF
RUHNMF/CG THIRD MARDIV
BT

C O N F I D E N T I A L
FIXED PLANT TELETYPE EQUIPMENT (U)D
1. RECENT RELOCATION OF THIRD MARDIV CP TO PHU BAI WAS GENERATED AN URGENT REQUIREMENT FOR ADDITIONAL FIXED PLANT TELETYPE EQUIP FOR EXTERNAL CKTS.
2. CONTINUED OPERATION OF COMM CENTERS AT DANANG AND PHU BAI BY FIRST MARDIV REQUIRES UTILIZING INSTALLED TTY EQUIP. THEREFORE, THIRD MARDIV IS LIMITED TO UTILIZATION OF AN/TGC-14'S ON ALL BUT ONE CKT RESULTING IN UNSATISFACTORY SERVICE. AN/TGC-14 CANNOT PROVIDE RELIABLE TWENTY-FOUR SERVICE IN EXISTING ENVIRONMENT UNDER HIGH VOLUME

PAGE 2 RUHLBP 2935 C O N F I D E N T I A L
CONDITIONS.
3. III MAF AND FIRST MAWTUTELETYPE ASSETS ARE FULLY COMMITTED. ADDITIONALLY, SOME III MAF EQUIP IS ON LOAN TO FORLOGCMD TO ENABLE THAT COMM CENTER TO MEET REQUIREMENTS.
4. ACCORDINGLY, REQUEST EXPEDITED PROCUREMENT AND DELIVERY OF FOUR EACH AN/UGC-6 FOXTROT OR GOLF TELETYPEWRITER SETS FOR THE THIRD MARDIV.
5. A CONSOLIDATED LIST OF UP-DATED WESTPAC FIXED PLANT TELETYPE EQUIPMENT WILL FOLLOW.
BT-64
BT

CKT

If our field equipment can't handle it, we should be getting better field equipment. We cannot rely on fixed plant equip in mobile/tactical environment.

RETURN TO G-4
ROOM 2231

CONFIDENTIAL

17-37-16

B-9120

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WASHINGTON, D.C. 20380

MESSAGE DRAFT FORM
NAVMC HQ 539-ADM (REV. 3-66)

DATE: 7 SEP 1966

THIS SPACE FOR COMMUNICATIONS CENTER USE ONLY

RUHCBP RUMNMF RUABSR
RUABQL

45

7

DATE-TIME GROUP (GMT)

INDICATE IF OTHER THAN ROUTINE PRECEDENCE	DRAFTED BY		RELEASED BY
	MR. JACKSON/J Elliott		G. D. Brin
FOR READDRESSALS, SHOW ORIGINATOR AND DATE-TIME GROUP HERE	OFFICE CODE	TELEPHONE	BILLET
	A04C/13	41306	G. F. Lim

By direction

FILE A970/06

C-7

FROM: CMC

RUHCBP / TO: CG FMFPAC

RUMNMF / INFO: CG III MAF WESTPAC
RUABQL / CG FMFPAC (FWD) WESTPAC
RUMNMF / FORLOGCMD WESTPAC
RUABSR / THIRD FORSERVREGT WESTPAC

UNCLAS

FIXED PLANT TTY EQUIP SUPPORT RVN

A. ADMINO FMFPAC 011925Z

B. MY 192041Z AUG NOTAL

1. NAMES TRAINED PERS REQ REF A ARE AS FOL (ALL SGT 2862):

S. G. LUCK 2037819

P. D. MOORE 2035348

T. L. STANFILL 2043862

R. M. VANVYVE 2058662

2. REF B REFERS. REALLOCATION OF ONE OF ABOVE PERS TO MCC 167 PER REF A RECOM SUBJ SEP ACTION. NAVY CRSE BEING CONSIDERED.

INTERNAL DISTRIBUTION			FOR MULTIPLE PAGE MESSAGES SHOW	FOR CLASSIFIED MESSAGES TYPE SECURITY CLASSIFICATION AND STAMP ALL COPIES
A03C	A04C	DF	PAGE OF PAGES	
A04A	CSY	DF	FOR TOP SECRET MESSAGES SHOW	
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NAVMC HQ 547-ADM (6-66)

DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380

FILE
7
C-7

D	DA	DEB	DF	DG	DH

DK	DL	DM	DN	DP	DS

* U.S. GOVERNMENT PRINTING OFFICE : 1966 O—224-002

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NAVMC HQ 547-ADM (6-66)

DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380

PROJECT [illegible]

7

C-7

CNNECE994
RR RUECEM
DE RUHLBP 193 2441925
ZNY EEEEE
R 011925Z SEP 66
FM ADMINO FMFPAC
TO RUECEM/CMC
INFO RUMNMF/CG III MAF (A015)
RUABQL/CG FMFPAC (FWD)
RUEGFG/CG MCSA PHILA
RUMNMF/FORLOGCMD
RUABSR/THIRD FORSERVREGT
BT
UNCLAS E F T O
FIXED PLANT TTY EQUIP SUPPORT RVN
A. CMC 111936Z
1. CONCUR IN PROPOSALS CONTAINED IN PARAS 3 AND 4 REF A. RECOMMEND THAT ONE GRADUATE BE ORDERED TO WESTPAC AIR FORCES (MOC 167) AND THREE TO WESTPAC GROUND FORCES (MOC 169) UPON COMPLETION OF INITIAL FACTORY TRAINING COURSE. FURTHER, REQUEST ADVISE NAME, RANK AND SER NR OF PERSONNEL SELECTED TO ATTEND SIG COURSE.
2. RELATED SUBJ: RECOMMEND INVESTIGATE FEASIBILITY OF OBTAINING SIGTAS TO CLASS ON STRJ EQUIP HELD AT MCC STIFCO TO SATISFY LONG RANGE REQUIREMENTS.

0672

19 SEP 66 (A04)
A03
A01
D
AA
CH

D	DA	DEB	DF	DG	DH

DK	DL	DM	DN	DP	DS

UNCLASSIFIED

[redacted]-7
4400
10 JUNE 1966

Commanding General, Fleet
Marine Force, Pacific,
c/o Fleet Post Office,
San Francisco, Calif. 96601

Subj: Fixed Plant Comm Equipment

Ref: (a) [redacted] msg 1001562 Jun 66

Procurement of Cabinet CY-3698/UG for TT-231A/UG will be initiated by [redacted] as requested reference (a).

Anticipate October delivery. Will advise details of delivery when available.

G. F. BRITT
By direction

Blind copy to:
A04A
A04K
A04C

CG III MAF
CO Camp Butler

Commandant of the Marine Corps
Headquarters, U. S. Marine Corps
Washington, D. C. 20380

UNCLASSIFIED

7 JUN 1966

PROJECT

ACTION

A04C ACT COPY 7

FILE C-1

NNNNKKKKVZCZCWWN803EQVV YYNA327 NAB274
PP WWND
DE YYNA 1"96 1610156
ZNY EEEEE
P 100156Z
FM CG FMFPAC
TO WWND/CMC
INFO DDKE/CG III MAF
MMSB/CAMP BUTLER
BT
UNCLAS E F T O
FIXED PLANT COMM EQUIP
1. ONE CABINET CY3678/UG FOR TT331A/UG (REPERF) HAS BEEN LOS IN TRANSIT TO III MAF. TRACER ACTION AND EXHAUSTIVE SEARCH HAVE FAILED TO LOCATE. SINCE NAVSEEAQAC TEAM AT DANANG INSTALLING SYSTEMS AT III MAF AND 1ST MAW, CY3698 (COMPONENT OF FGC-59) PROCURED FOR CAMP BUTLER WILL BE AIRLIFTED TO DANANG FOR INSTALLATION IN 1ST MAW COMM CEN. REQUEST INITIATE PROCUREMENT ACTION FOR REPLACEMENT CASE FOR CAMP BUTLER INSTALLATION.
BT

A	AD	AO1	AO2	AO3	AO4	AA	AB	AF	AG	AP	AQ	AS	AT	AX	AZ	CH	D	DF	DG	DH	DK	DL	DM	DN	DP	DS	MC DO	HQ BM		

PUNCH CODE: 000-COG 00-ACTION 0-INFORMATION

c43 GPO 16 - 77676 - 1

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NAVMC HQ 534-ADM (REV. 12-65)

CONFIDENTIAL

DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380

[redacted]

NNNXXXXXXXXXXXXXXEMA225VCA175
PP RUECEM
DE RUMPQ 072 1540203
ZNY CCCCC
P 030200Z
FM NAVSEEAPAC
TO RUMNMF/CG III MAF
INFO RUHLBP/CG FMFPAC
RUECEM/CMC
RUECW/CNO
RUHLHL/CINCPACFLT
RUHLHL/COMSERVPAC
RUHLHQ/CINCPAC
RUECYD/NAVELECSYSCOMHQ
RUMFA/NAVSHIPREPFAC SUBIC
RUMSBB/FTA ELEMENT RUN
RUMSMA/COMUSMACV
RUMSBB/COMNAVFORV
ZEN/NAVSHIPYD PEARL
ST
C O N F I D E N T I A L
III MAF COMM INSTLNS
A. MY 2000282 MAY (NOTAL) [illegible] - AQ, NA, CH
B. MY 2020402 MAY (NOTAL) - [illegible], DNP
C. CINCPACFLT 2501092 MAY (NOTAL) - NOT RCVD
D. MY 2600202 MAY (NOTAL) - [illegible]
E. FLETACSUPPRON TWO ONE (NOTAL)
F. FLETACSUPPRON TWO ONE 0201362 (NOTAL)
1. REF A SETS FORTH PLAN FOR ACCOMPLISHMENT URGENT III MAF COMM INSTLNS BY NAVSEEAPAC INSTLN TEAMS. REF B REQUESTED AREA CLEARANCE

PAGE TWO RUMPQ 072 C O N F I D E N T I A L
FOR INSTLN TEAM MEMBERS. REF C REQUESTED CONCURRENCE AREA CLEARANCE TEAM MEMBERS. REPLY REF B OR C NOT RCVD
2. ARRANGEMENTS COMPLETED FOR SHIPMENT INSTLN MTL 3 JUN AND 4 JUN LOCAL TIME PER REF D, E AND F
3. INSTLN TEAMS COMPOSED OF CIVIL SERVICE MECHANICS AND ENGR CANNOT DEPART AS SCHEDULED 2345, 3 JUN LOCAL TIME WITHOUT AREA CLEARANCE. UNLESS CLEARANCE RCVD BY 1200, 3 JUN LOCAL TIME, NAVSEEAPAC WILL RE-SCHEDULE DEPARTURE OF INSTLN TEAMS UPON RECEIPT OF AFFIRMATIVE REPLY REF B AND ADVISE ALCON
GP-4
ST

[redacted]

CONFIDENTIAL

A-22014

2/10/49

Dave Punke

MAJ MITCHELL/71461mr

A04C 42542

CMC

CG FMFPAC

INFO: CG III MAF
CAMP BUTLER (MAIL) CG MCSA PHILA

UNCLAS

SUPPORT CONCEPT, FIXED COMMUN EQUIP

1. FOL IS CURRENT STATUS OF DEVELOPMENT OF SUPPORT CONCEPT FOR FIXED TELETYPE AND ANCILLARY EQUIP BEING PROVIDED FOR III MAF COMMCENS AND CAMP BUTLER COMMCEN.

2. REPAIR PARTS

A. INITIAL PROVISIONING TO BE PROVIDED THROUGH NAVCOM SUPPLY SYST.

(1) CAMP BUTLER -120 DAY OPER LEVEL.

(2) FLC III MAF - 120 DAY OPER LEVEL PLUS 30 DAY ND.

(3) [illegible] UNIT - 30 DAY OPER LEVEL PLUS 30 DAY ND.

(4) ANTICIPATE DELIVERIES COMMENCING JUNE, MAJOR PORTION JULY, COMPLETION DURING AUGUST.

B. CONTINUING PARTS SUPPORT VIA NAVCOM SYSTS NAVY.

3. REPAIR CONCEPT. SUBJ EQUIP HAS NOT YET BEEN ADOPTED AS NAVCOM STANDARD. UNTIL SUCH STANDARDIZATION IS ACCOMPLISHED,

1 2

15/16

MAJ MITCHELL/F1461ac

A04C 42542

UNCLAS

A SIMPLE, TWO-LEVEL REPAIR SYSTEM IS PREFERABLE TO NORMAL FIVE-ECHELON SYSTEM. POL CONCEPT UNDER CONSIDERATION:

A. ORGANIZATIONAL MAINT. SCOPE TO INCLUDE ALL REPAIRS WITHIN CAPABILITIES OF TECHNICIANS AND TEST EQUIPMENT. TO BE CONDUCTED ONLY BY COMM [redacted] COMM CO HOBN MARDIV, FMFM, AND CAMP BUTLER.

B. HIGH LEVEL MAINT. ALL MAINT BEYOND CAPABILITY OF UNITS PERFORMING ORGANIZATIONAL MAINT AS DESCRIBED ABOVE WILL BE DESIGNATED AS HIGH LEVEL, AND BE PERFORMED BY SRF UNDER ISSA.

4. REQ SUBMIT COMMENTS AND RECOMMENDATIONS ON REPAIR CONCEPT PROPOSED PARA 3. [redacted] INCLUDE EVALUATION OF FEASIBILITY OF HIGH-LEVEL MAINT BY SRF.

CK
AD4A
A04C
2042

HEADQUARTERS MARINE CORPS ROUTING SHEET
NAVMC HQ 335-CMC (REV. 11-63)

4000

DATE MAY 25 1966

FILE C-1

RTG	OPR. CODE	DATE IN	DATE OUT	INITIAL	ADDRESSEES
					COMMANDANT
					ASSISTANT COMMANDANT
					MILITARY SECY TO CMC
					CHIEF OF STAFF
					DC/S (PLANS & PROGRAMS)
					DC/S (R&D)
					DC/S (AIR)
					SECY OF GEN STAFF
					G-1
					G-2
					G-3
					G-4
					ADMINISTRATIVE
					DATA PROCESSING
					MCCC
					FISCAL
					INFORMATION
					INSPECTION
					PERSONNEL
					POLICY ANALYSIS
					RESERVE
3	F	5/27	5/27		SUPPLY CSP-3 & CSY-12
					WOMEN MARINES
					LEGISLATIVE
					COUNSEL
					STAFF DENTAL
					STAFF MEDICAL
					STAFF CHAPLAIN
					OP-09M
4 Release					
2	I	5/26		W. J. VAN RYZIN	ACofS G-4 A04
					EXEC OFF A04A
					ADMIN OFF
1	F	5/26			Plans & Oper Br A04J
					Mat Req Br A04G
					Instal & O&MAppn Br A04K
	X	5/25			Comm & Elec Br A04C
					Gen Sup Br A04D
					Ordnance Br A04F
					Motor Trans Br A04H

FROM CMC

TO CG FMFPac

SUBJECT SUPPORT CONCEPT FIXED COMMCEN EQUIP

REMARKS (Entries to be dated and signed)

CSy-1 — CO
27 May 66

Request CSP & CSA
Pltbs be added on
imps.

Has been done
5/27/66 JHD

PROJECT ~~Vetcon~~
~~TT Mode~~
~~Communication~~
~~Installation~~
~~237~~

MESSAGE

(For additional remarks attuch plain paper)

ROUTING - Use numbers to show order of routing

OPERATION CODE

X - ORIGINATOR OR OFFICE AFFIXING ROUTING SHEET
A - FOR APPROPRIATE ACTION
B - FOR COMPLIANCE
C - PREPARE REPLY FOR SIGNATURE OF _____
D - FOR COMMENT
E - FOR RECOMMENDATION
F - FOR CONCURRENCE
G - FOR INFORMATION
H - RETURN TO _____
I - Initial route sheet

INITIAL FOR FILE

C-22058

NNNNEZCZCWWN964 YYNA250 NA5762
PP WWND
DE YYNA 1124 1272153
ZNY EEFEE
P 072153Z
FM CG FMFPAC
INFO WWND/CMC
R 062006Z
FM NAVELECSYSCOM
TO NAVSEEAPAC
INFO CG FMFPAC
CG III MAF
COMSERVPAC
CG FIRST MARDIV REIN
NAVSHIPREPCOC SUBIC
BT
UNCLAS E F T O
THIRDMAF COMM INSTLNS
A. MY DTG 182035Z APR (NOTAL)
B. NAVEEEAPAC DTG 180205Z APR (NOTAL)
C. CG FIRST MARDIV REIN DTG 290520Z APR
D9 NAVSEEAPAC DTG 300324Z APR
E. NAVSHIPREPFAC SUBIC DTG 030710Z MAY
F. MZODTG 041230W MAY
G. NAVSEEAPAC DTG 060102Z MAY
1. REF A PROVIDED FOUR ELECTRONIC TECHNICIANS FOR SUPERVISORY

ASSISTANCE IN PROVIDING AND INTERIM CAPABILITY AT CHU LAI AND
DANANG IAW REF B.
WM REF C ADVISED CHU LAI INSTLN WOULD COMPLETE BY 2 MAY AND
REQUESTED EXTENSION OF NAVSEEC TEAM FOR INTERM INSTLNAT III
MAFHQBN.
3. REFDADVISED NO MATERIAL ON HAND FOR INTERM III MAF INSTLN.
4. BASED ON REFS D AND E, NAVELECSYSCOM, BYREF FEXTENDED
NAVSEEC INSTLNTEAM TO ALLOW COMPLETION INSTLN TESTSOFINTERIM
FACILITIES AT CHU LAI AND DANANG.
5. SINCE NO MATERIAL AVAILABLE FOR III MAF INSTLN PER REF D,
REQUEST NAVSEEC TEATRETURN TO CONUS AFTER INSTLN TESTS COMPLETED.
THISANSWEES REF G.
BT

AO4C ACT COPY 7
Cmd 10
AO4
CH
AO2
FILE
C-1

A	AU	AO1	AO2	AO3	AO4	AA	AB	AF	AG	AP	AQ	AS	AT	AX	AZ	CH	D	DF	DG	DH	DK	DL	DM	DN	DP	DS	MC DO	HQ BN		

PUNCH CODE: 000-COG 00-ACTION 0-INFORMATION

CONFIDENTIAL

237

PROJECT

A04C FILE COPY

COG/ACT (10)

COORD

BY DATE

COPYS REC'D

FILE C-7

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CONFIDENTIAL (when filled in)

NAVMC HQ 348 C-AE (REV. 7-62)

PUNCH CODE:	G-1	G-2	G-3	G-	D	AA	AB	AD	AG	AQ	AS	AT	AX	MC
OOO-COG	05				23					22				
CO-ACTION														
O-INFO														

A04C-jle-7
2 May 1966

Quartermaster General of the
Marine Corps

Assistant Chief of Staff, C-4

III MAF Communication Center Installation Hardware

Ref: (a) G-4 memo A04C-jaj-7 dtd 21 Apr 1966
(b) ADMINO FMFPAC msg 280228Z Apr 1966

1. Reference (a) requested priority procurement of certain items of installation hardware for communication centers to be installed within commands of III MAF.

2. In reference (b) CG FMFPac advised that these items were being procured by NAVSEEAPAC, and that delivery was expected within acceptable time limits.

3. The request contained in reference (a) is hereby withdrawn, and no further action is required.

G.F. BRITT
By direction

Copy to:
A04A
A04J
A04K
A04C

5/2/66

237

FILE C-7

EZCZCWWN130CRVA046
RR RUECEM
DE RUHLBP 4359 1172116
ZNR UUUUU
R 272116Z
FM ADMINO FMFPAC
TO RUHPG/NAVSEEAPAC
INFO RUECEM/CMC
RUECW/CNO
RUHLHL/CINCPACFLT
RUHLHL/COMSERVPAC
RUECYD/NAVSEEC
RUMFA/NAVSHIPREPRAC SUBIC
RUABSR/THIRD FORSERVREGT
BT
UNCLAS
III MAF COMM INSTLNS
A. NAVSEEAPAC 011718Z (C) NOTAL
1. PAR THREE OF REF A REFZRS. AMENDMENT NO. TWO TO PO-6-0001 HAS BEEN ISSUED INCREASING THE PROJECTNORDER BY $,000 REPEAT $175,000 FOR A NEW TOTAL OF $250,000 REPEAT $250,000.
BT

DEC 61 0803Z 2DLTRS A04

NNNN

	AO1	AO2	AO3	AO4	AA	AB	AF	AG	AP	AQ	AS	AT	AX	AZ	CH	DF	DG	DH	DK	DL	DM	DN	DP	DS	MC DO	HQ BN		
						2		7							2		1					1		1					

PUNCH CODE: OOO-COG OO-ACTION O-INFORMATION

043 GPO 16 - 77976 - 1

NAVMC HQ 2-ADM (REV. 9-69)

2201251

M. ASARO (CODE 3210) 27238 20 APR 1966

H. E. TURNER

NAVSECGRUACT
CG III MAF

CG FMFPAC / (AIR MAIL)
CNO / (AIR MAIL)
COMNAVSECGRU / (AIR MAIL)
NAVSHIPREPFAC SUBIC / (AIR MAIL)
COMSERVPAC / (AIR MAIL)

4 MAY 66 07 813

FILE C-7

UNCLAS - E F T O

III MAF COMM INSTLNS

A. MK 130151Z

B. YOUR 110246Z

1. REQ PROVIDE DETAILED AS-BUILT [illegible] CONSTRUCTION DRAWINGS FOR 1ST MARDIV, 3RD MARDIV AND III MAF COMM CENTERS. DWGS MUST INCLUDE ELEVATION VIEWS, LOCATION AND REMARKS OF POWER PANELS, LIGHTS, TELEPHONE AND SIGNAL CABLE DISTRIBUTION AND CABLE TERMINALS. ALSO REQ FURNISH PHOTOS OF INTERIOR WORK NOT SHOWN ON DWGS.

2. REF B BLDG DWGS NOT RECEIVED. REQ FOLLOW UP

3. DWGS AND PHOTOS REQUIRED TO MEET [illegible] REF A

4. AIR MAIL DWGS TO: NAVAL SHORE ELECTRONICS ENGINEERING ACTIVITY, PACIFIC, BOX 400, FLEET POST OFFICE, SAN FRANCISCO 96610
FAC

RMK: 130151Z....HIGHER CLASS....
110246Z....HIGHER CLASS....

cy to: Code 3210, 3110, [illegible]

22 01 28

Ser 3210-366

FILE

C-7A

COMM NOTE: THIS MSG WAS RECEIVED THIS COMM CENTER BY MAIL.

082327Z
FM COMSERVPAC
TO COMNAVFORV
CG III MAF
INFO CNO
CNC
CINCPACFLT
CG FMFPAC
CNM
COMNAVSEAC
NAVCOMMSYSHQ
[redacted]OCKS
[redacted]PACDOCKS
CG FIRST MARDIV
OICC THAILAND
COMNAVPHIL
COMNAVSUPPACT DANANG
NEDSUPPACT SAIGON
NAVCOMMSTA PHIL
CG THIRD MARDIV
OICC RVN
CHNAVADVGRPMACTHAI
BT
UNCLAS E F T O
NAVY AND MARINE SHORE ELECTRONICS PROJECTS SEASIA
1. NAVSEEAPAC AND NAVSUPPACPAC HAVE BEEN TASKED TO
PROVIDE ENGINEERING DESIGN, VERIFICATION, ADVICE, LOGISTICS AND
INSTALLATION SUPPORT TO NAVY AND MARINE ACTIVITIES IN SEASIA.
IN VIEW OF THESE FIELD TECHNICAL AUTHORITY (FTA) RESPONSIBILITIES
IN SEASIA, REQUEST ALL ADDEES INCLUDE NAVSEEAPAC AND NAVSUPPACPAC
SUBIC FOR INFO ON ALL CORRESPONDENCE CONCERNING SUBJECT
INSTALLATIONS.
BT

		AO1	AO2	AO3	AO4	AA	AB	AF	AG	AP	AQ	AS	AT	AX	AZ	CH	D	DF	DG	DH	DK	DL	DM	DN	DP	DS	MC DO	HQ BN		

PUNCH CODE: ODO-COG OO-ACTION O-INFORMATION c43 GPO 16 - 77676 - 1 NAVMC HQ 2-ADM (REV. 9-63)

CONFIDENTIAL

A04C-ser-7
4000

8 APR 1966

CONFIDENTIAL

A04C BRIEF on Proposed Memorandum for the Director for Logistics (J-4), Joint Staff, Subj: "Request for Assignment of Force/Activity Designator (F/AD)".

Refs: (a) CG FMFPac msg 032121Z Apr66
(b) DOD Dir 4410.6

1. PROBLEM. To obtain a Force/Activity Designator I for the acquisition of installation hardware for the III MAF and the 1st MAW communication centers.

2. FACTS.

a. Assignment of Force/Activity Designator I is reserved to the Joint Chiefs of Staff. Reference (b).

b. Urgency of need designator "A" may be assigned by the requisitioning activity. Reference (b).

c. CMC has obtained a large amount of stable, high capacity communication center terminal equipment for the four major Marine commands in Vietnam.

d. A Navy installation team has been dispatched to Vietnam to perform the installation of these major equipments.

e. Certain common hardware items (cable, conduit, connectors, etc.) are required for use in the installation process. A sufficient quantity of this hardware has been obtained to accomplish the installation of the 1st MarDiv communication center. Installation hardware for the remaining three is not immediately available. Reference (a).

f. CG FMFPac has stated an urgent need for the accomplishment of the installation in the case of the 1st MAW and the new III MAF communication center being built at Danang East. Reference (a).

g. CG FMFPac has requested the assignment of F/AD I for procurement of the required material. Reference (a).

CONFIDENTIAL

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CONFIDENTIAL

8 APR 1968

3. DISCUSSION.

a. A great deal of effort and money has been expended to provide communication centers which will perform as required, and the need for these improvements has been reaffirmed by all who are familiar with the situation. One of the symptoms of the problem is the series of complaints from the Joint Staff and the National Military Command Center concerning the slow reporting response from the 1st MAW.

b. All the major steps needed to achieve the improvement have been accomplished -- definition of the problem, procurement of the major items of equipment, and acquisition of the technical talent to perform the installation -- and the only remaining impediment is the relatively minor one of buying the hardware to accomplish the installation.

4. CONCLUSIONS.

a. The material is urgently needed.

b. The needed material cannot be obtained in a timely fashion with the T/AD II available to CG FMFPac. Reference (a).

c. The need for materials for the 3d Marine Division are less urgent, and should be obtained on a less urgent basis.

5. RECOMMENDATION. It is recommended that the attached proposed memorandum be signed.

6. ACTION OFFICER. Major B. M. MITCHELL, AO4C/7, ext. 42542.

7. COORDINATION. This action has been coordinated with:

P&O Branch, G-4 See buckslip and comment Concur/Nonconcur

DC/S (Air) [illegible] Concur/Nonconcur

AC/S, G-3 [illegible] Concur/Nonconcur

JOHN LEMAY, JR.
By direction

CONFIDENTIAL

CONFIDENTIAL

SECRET

[redacted]ARTERS MARINE CORPS ROUTING SHEET

NAVMC HQ 335h-CMC (REV. 8-62)

NO. 04D0366
~~004G9866~~

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			8Apr66

RTG.	OPR. CODE	DATE IN	DATE OUT	INITIAL	ADDRESSEES
					COMMANDANT
					ASSISTANT COMMANDANT
					MILITARY SECY TO CMC
					CHIEF OF STAFF
					DC/S (PLANS & PROGRAMS)
					DC/S (R&D)
					DC/S (AIR)
					SECY OF GEN STAFF
					G-1
					G-2
					G-3
					G-4
					ADMINISTRATIVE
					DATA PROCESSING
					EAC
					FISCAL
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					SUPPLY
					WOMEN MARINES
					LEGISLATIVE
					COUNSEL
					STAFF DENTAL
					STAFF MEDICAL
					STAFF CHAPLAIN
					OP-09M
					S&C FILES
					ACofS, G-4 AO4
2	I		4/14	B	EXEC OFF AO4A
					Asst EXECO AO4B
1	EH		4/13	B&SEC	Plans & Oper Br AO4J w/attached
					Mat Req Br AO4G
					Engr & Facil Br AO4K
	X		4/8	X	Comm & Elec Br AO4C
					Gen Sup Br AO4D
					Ordnance Br AO4F
					Motor Trans Br AO4H

✓ (If applicable, check one)

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- PLEASE ADVISE _____ SECRET & CONFIDENTIAL FILES REGARDING DISTRIBUTION OF EXTRA COPIES. (In the absence of instructions extra copies will be destroyed after 30 days)

REMARKS (Entries to be dated and signed)

ACTION: _____

Concurrent routing to DC/S (Air), AC/S, G-3 and P&O Branch, G-4. Request call Major B. MITCHELL, AO4C, ext. 42542/41306, for hand carry.

Geo:
I doubt that this is justified. I certainly is on the basis of our first two sentences. If this degrades our operational capability I would agree, but on the basis of 000 requirement I will concur this with C&E. If they can justify more justification I can support.

(For additional remarks attach plain paper)

ROUTING: use numbers to show order of routing

OPERATION CODE

- X - ORIGINATOR OR OFFICE AFFIXING ROUTING SHEET
- A - FOR APPROPRIATE ACTION
- B - FOR COMPLIANCE
- C - PREPARE REPLY FOR SIGNATURE OF _____
- D - FOR COMMENT
- E - FOR RECOMMENDATION
- F - FOR CONCURRENCE
- G - FOR INFORMATION
- H - RETURN TO AO4C-7
- I - Approval, Signature

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A04J-lck/7
13 Apr 66

A04J COMMENT on A04C routing sheet 004C9866 of 8 Apr 66

Subj: Request for Assignment of Force/Activity Designator (F/AD)

1. Concur with the action requested; however it is doubtful that the F/AD I will be granted, or that a F/AD I will actually result in procurement of the material in question.

B. S. RYDER
Acting

SECRET

A04C-saf-7
4000

A04C COMMENT

1. Tab (1) is draft previously staffed and concurred in by DC/S (Air) and AC/S, G-3.

2. Tab (II) is revised version, with no substantive change.

3. Request concurrence in Tab (II).

DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON 25, D. C.

IN REPLY REFER TO
A04C-jle-7
4000
004C9866

SECRET

DRAFT FOR STAFFING

SECRET

MEMORANDUM FOR THE DIRECTOR FOR LOGISTICS (J-4), JOINT STAFF

Subject: Request for assignment of Force/Activity Designator (F/AD) I (U)

Reference: DOD Directive 4410.6 dtd 20 Aug 1964

1. Background. As a result of the need for the exchange of an unprecedented volume of message traffic by committed Marine forces in Vietnam, the Commandant of the Marine Corps (in coordination with the Chief of Naval Operations and agencies of the Naval Material Support Establishment) has initiated priority action to upgrade the capability of the communication centers serving the four major Marine commanders in Vietnam. The primary items of terminal equipment have been obtained, and are in the process of being delivered. An installation team has been dispatched and the installation hardware for the 1st Marine Division, the first of the four communication centers to be installed, has been obtained and provided to the installation team.

2. Present Situation.

a. The 1st Marine Aircraft Wing (1st MAW) is heavily committed to missions which involve both close support of the ground action in South Vietnam, and participation in the air strikes and surveillance/electronic warfare operations over North Vietnam. These commitments, and the requirement for rapid reporting to a multitude of agencies (including the highest level of command) has generated a need for rapid external communications which far exceed the organic capability of the Wing's communication center.

b. Present plans provide for the displacement of the Command Post of the III Marine Amphibious Force (III MAF) from its present location in the vicinity of the Danang Airfield to Danang East during early May 1966. This displacement is required to improve the efficiency of the Command Post, and to provide the needed dispersion between major headquarters. An essential part of the establishment of the new headquarters is the construction of an improved communication center.

Did not go to New York. Returned to sign.

DRAFT FOR STAFFING

DOWNGRADED AT 3 YEAR INTERVALS
DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

SECRET

SECRET

A04C-jle-7
4000
004C9866

Subject: Request for assignment of Force/Activity Designator (F/AD) I (U)

c. The only obstacle now preventing the attainment of the urgently needed upgrading for both the Wing and the MAF communication centers is the procurement of the installation hardware. The required material is not immediately available, and cannot be provided by diverting from other projects.

3. Recommendation. In view of the above, it is recommended that F/AD I be assigned to the installation hardware acquisition project for the III MAF and the 1st MAW, the assignment to terminate on 1 June 1966. Such assignment is fully justified under the provisions of the reference, and is required in the national interest.

Blind copy to:
CNO
CNM
CG FMFPAC
A03
AA
P&O
S&C
A04A
A04C (2)

CONFIDENTIAL
(When filled in)

FILE C-7

MACV 15 1249Z MAY

VZCZCWW M468ICA571M0601V KMCTKP
PP RUHCEM
DE RUHLBP 581 0982121
ZNY CCCCC
P 082121Z
FM CG FMFPAC
TO RUHCEM/CMC
INFO RUHLHL/COMSERVPAC
RUMSMF/CG XII MAF (AC05)
RUECYD/COMNAVSEEC
RUHPQ/NAVSEEAPAC
ZT
C O N F I D E N T I A L
XII MAF COMM CEN INSTALLATION (U)
1. INSTALLATION OF FIXED PLANT COMMUNICATIONS EQUIP IN 1ST MARDIV COMM CEN AT CHU LAI BEING ACCOMPLISHED BY NAVSEEC ENGINEERS WITH ASSISTANCE OF MARINE TECHNICIANS. INSTALLATION MATERIAL AND HARDWARE FOR THIS INSTALLATION WAS DIVERTED FROM OTHER PROJECTS BY NAVSEEAPAC. CG FMFPAC ASSIGNED FAD TWO A FOR PROCUREMENT OF MATERIAL TO REPLACE THAT DIVERTED FROM OTHER PROJECTS.
2. AN URGENT REQUIREMENT EXISTS FOR INSTALLATION OF FIXED PLANT COMM EQUIP IN FIRST MAW COMM CENTER TO MEET AN EARLY

PAGE 2 RUHLBP 581 C O N F I D E N T I A L
REQUIREMENT, AND IN XII MAF COMM CENTER AT DANANG EAST TO PERMIT MOVEMENT III MAF CP IN EARLY MAY 68.
3. NAVSEEAPAC ADVISES THAT REQUIRED INSTALLATION MATERIAL FOR 1ST MAW AND III MAF COMM CENTERS IS NOT IMMEDIATELY AVAILABLE AND CANNOT BE PROVIDED BY DIVERTING FROM OTHER PROJECTS. NAVSEEAPAC FURTHER ADVISES THAT ACCORDING TO PAST EXPERIENCE FAD TWO ALPHA PROCUREMENT WILL NOT RESULT IN RECEIPT OF MATERIAL IN SUFFICIENT TIME TO MEET INSTALLATION DEADLINES, AND ESTIMATES TWO MONTH PROCUREMENT LAG UNDER FAD 8A.
4. REQUEST ASSIGNMENT FAD ONE ALPHA FOR PROCUREMENT REQUIRED MATERIAL.
BT
#

A04C FILE COPY
COG/ACT 7
COORD A04J
BY DATE
CPYS REQD 25

SECRET

(When filled in)

REF A

FILE C-1

NNNNXXXXRXXXXXXXXMA534EOE268
PP RUECEM
DE RHLBP 2407 0152244
ZNY SSSSS
ZT
S E C R E T SVC
SMM 2238 0172246 172246Z
COMNAVSHORELEGENGCEN AND BUSHIPS TAKE FOR FIRST TIME ALL
OTHERS TAKE AS CORRETED HEADING.
PP RUALHL RUMMF RUABQL RUOSHA RUECM RUECEM RUECD RUEYD
DE RUALBP 2238 0172246
ZNY SSSSS
P R 172246Z
FM CG FMFPAC
TO RUECM/CNO
RUECYD/COMNAVSHORELEGENGCEN
INFO RUECEM/CHB
RUALHL/3INDPACFLT
RUABQL/CG FMFPAC/1 MAC FWD
RUMMF/CG III MAF
RUABQL/CG FIRST MARDIV
RUECNO/NAVCOMMSYSHQ
RUOSHA/CO GREATLAKES
RUECD/BUSHIPS

ACT
INFO

SECRET
TERMINAL EQUIP EXERCISE CNTS (U)
A. CMC 151127
1. DLVY MSTR FOR EQUIP LISTED PARA TWO REF A AS FOLLOWS
A. FIFTH COMMCO, III MAF, RFS HOLDER 25200
AN/GRC-26 QTY 2
B. CG FIRST MARDIV FMF, OKINAWA, RFS HOLDER 53535
AN/GRC-26 QTY 3
C. FIFTH COMMCO, III MAF, MSTR FOR RUO 26378
AN/GRC-87 QTY 1

PAGE 2 RUALBP 2238 S E C R E T
TT-102 QTY 1
TT-171 QTY 3
CY-597 QTY 1
D. CG FIRST MARDIV, OKINAWA, MSTR FOR RUO 11886
AN/GRC-6 QTY 2
TT-102 QTY 3
TT-171 QTY 5
CY-597 QTY 3
(CP-3)
ZT

FILE
C-7

VZCZIWWN136ICA992VV PH0502V KMC419
RR RUECEM
DE RUHLBP 4683 3630433
ZNR UUUUU
R 290433Z
FM COMMARCORPSBASESPAC
TO RUECEM/CMC
INFO RUABQL/CAMP BUTLER
BT
UNCLAS
CAMP BUTLER COMM CEN EQUIP
A. CG FMFPAC 210425Z

ACT
INFO

1. REF A STATES A REQUIREMENT EXISTS FOR SERVICES OF A COMM ENGR TEAM TO IMPROVE FIXED PLANT COMM CENTER STATUS OF CAMP BUTLER. HOWEVER, EQUIPMENT LISTED BELOW IS REQUESTED ON A PRIORITY BASIS TO PROVIDE EFFICIENT OPERATIONS DURING THE INTERIM PERIOD:

DESIGNATION	DESCRIPTION	FSN	QTY
AN/FGC-59	TELETYPEWRITER	UNK	1

AN/FGC-69	TELEPRINTER	UNK	2
TT-171	TELETYPEWRITER	2F5815-679-2780	4
TT-292	PERFORATOR-REPERFORATOR	2F5815-678-5482	1
AN/UGC-3	TELETYPEWRITER	2F5815-072-5595	1
AN/USM-122	FREQUENCY MEASURING SET	UNK	1
AN/USM-15	TOOL KIT	5180-567-2966(MC)	4
HP-150A	PLUGIN PREAMPLIFIER (OSCILLOSCOPE)	UNK	1
UNKNOWN	MULTIMETER, SIMPSON 260	UNK	1
TV-7A	TUBE TESTER	6625-820-0064	1
PP-1646/US	POWER SUPPLY	UNK	3

2. TELETYPEWRITER EQUIP SELECTED CONSIDERED OPTIMUM DUE TO SPACE LIMITATIONS IN EXISTING COMM CENTER. REQUIRED MAINT TO BE PERFORMED BY QUALIFIED MAINT PERSONNEL ORGANIC TO CAMP BUTLER. MAINT SUPPORT ALSO AVAILABLE FROM OTHER ON-ISLAND ARMED FORCES UNITS. APPROPRIATE TEST EQUIP INCLUDED SINCE ON-ISLAND TEST EQUIP NOT AVAILABLE TO CAMP BUTLER FOR ON-SITE MAINT.
3. INTEND UTILIZE SERVICES COMM ENGR SURVEY TEAM REQ REF A TO ASSIST IN EQUIPMENT INSTALLATION PLANS.
BT

A	AO	AO1	AO2	AO3	AO4	AA	AB	AF	AG	AP	AQ	AS	AT	AX	AZ	CH	D	DF	DG	DH	DK	DL	DM	DN	DP	DS	MC DO	HQ BN		

UNCH CODE: 000-COG 00-ACTION 0-INFORMATION

CONFIDENTIAL

FILE C-1

SVC FOR MAJ SMITH-AC

KRIEMA597VCA240

ACT foy INFO

CANCELLED BY DMK

AR RUEGEM
DE RUFLCP 2355 3481206
ZNY CCCCC
R 140206Z
FM CG FMFPAC
TO RUEGEMA/HQMC
INFO RUADQL/CG FMFPAC/1 MAC FWD
RUMNMF/CG III MAF
BT
C O N F I D E N T I A L
III MAF SELECTIVE EXCEPTNL REF A REFERS. AN/TCC-14 NOT SUITABLE TO SATISFY requirements of Ref. B.
2. REQ ADVISE AVAILABILITY AN/TCC-16 AS SUBSTITUTE FOR AN/TCC-19 REQUESTED REF C. IF AN/TCC-16 NOT AVAILABLE REQUEST INFO ON QUANTITIES WHICH CAN BE DELIVERED TO SATISFY III MAF REQUIREMENT.
GP-4

CONFIDENTIAL (When Filled In)

NAVMC HQ 348 C-ADM (REV. 7-62)

BRANCH CODE:	G-1	G-2	G-3	G-4	CH	D	AA	AB	AD	AG	AQ	AS	AT	AX	HQBN
Q-COG			14			0206									
-ACTION															
-INFO															

Maintenance Float for III MAF

DEPARTMENT OF THE NAVY
NAVAL ELECTRONIC SYSTEMS COMMAND
WASHINGTON, D.C. 20360

IN REPLY REFER TO
N00600-68-C-0501
Ser 180 05221

FEB 15 1968

From: Commander, Naval Electronic Systems Command
To: Director, Defense Contract Administration Services Region, Chicago

Subj: Shipping Destinations; assignment of

Ref: (a) Contract N00600-68-C-0501 (Teletype Corp.)

Encl: (1) Shipping Destinations for Items 1 through 14

1. Request equipments being procurred on reference (a) be shipped as indicated on enclosure (1). Forward copy of DD-250's this Command, Code 05221, when shipments have been made. FOR DOD ADMINISTRATIVE PURPOSE ONLY: Movement Priority Designator 03 is assigned.

2. These instructions do not amend or alter any of the contractual provisions of reference (a).

3. Air shipment requested, NAVELEX will validate MILSTAMP Transportation Priority I applies.

4. NAVELEX Code 0231 will forward a copy of reference (a) to the receiving activity.

M. Oberhardt

M. OBERHARDT
By direction

Copy to:

Teletype Corp., 5555 Touhy Avenue, Skokie, Illinois 60076
(Mr. J.C. Dalicden)
Teletype Corp., 425 13th Street, N.W., Washington, D.C.
ESO GLKS (1100) (4)
NAVSTA Wash. D.C. (519.11)
NMCSA (Code SA-1226)
CO (MFSAA1) 1ST FSR, FMFPAC, Camp Pendleton, California
CO (MFSAA1) 1ST FSR, FMFPAC DANANG
CG MCSA Phila. Pa. (P460, P580, P820, P828, P836, P840)
CMC (AS, A04C, COS-3, CSX-3, CSY-3, CSY-10, CSY-12, CSS-6)
NAVTRANSCO Norfolk

N00600-68-C-0501
Ser 180 05221

[redacted]pping Destinations for Items 1 through 14.

ITEM	NOMENCLATURE	FEDERAL STOCK NUMBER
1	TT-334/UG	Waived for Shipping Purposes Only.
2	TT-386/UG	
3	TT-418/PG	
4	TT-437/UG	
5	TT-387/UG	
6	TT-266/UG	
7	TT-433/UG	
8	TT-439/UG	
9	LMU-3 Motor	
10	LMU-12 Motor	
[redacted]	LMU-24 Motor	
12	LMU-38 Motor	
13	TT-333/PGC-59	
14	TS-383B/GG	

ITEM SHIPPING SEQUENCE	ITEM	QTY	SHIP TO	MARK FOR
1 - 9	1	9	Commanding Officer	RUC 21655
1 - 5	2	5	First Force Service Regiment	"
1 - 5	3	5	Force Logistics Command	"
1 - 8	4	8	Fleet Marine Force, Pacific	"
1 - 3	5	3	Danang, Republic of	"
1 - 5	6	5	Vietnam (G-3)	"
1 - 4	7	4	" "	"
1 - 5	8	5	" "	"
1 - 13	9	13	" "	"
1 - 13	10	13	" "	"
1 - 4	11	4	" "	"
[redacted] 3	12	3	" "	"
[redacted] 8	13	8	" "	"
[redacted] 2	14	2	" "	"

ITEM SHIPPING SEQUENCE	ITEM	QTY	SHIP TO	MARK FOR
10 - 12	1	3	Commanding Officer First Force Service Regiment Force Logistics Command Fleet Marine Force, Pacific	RUC 11001
6 - 9	2	4	Danang, Republic of Vietnam (G-3)	" "
6	3	1		" "
9 - 18	4	10	" " "	" "
4 - 7	5	4		" "
6 - 9	6	4	" " "	" "
5 - 7	7	3		" "
[illegible]	[illegible]	[illegible]	" " "	
6 - 10	8	5		RUC 11001
14 - 18	9	5	" " "	" "
14 - 18	10	5		" "
5	11	1	" " "	" "
4	12	1		" "
9	13	1		" "
3	14	1	" " "	" "
[illegible] - 14	1	2	" " "	RUC 13001
[illegible]0 - 11	2	2		" "
19 - 20	4	2	" " "	" "
8 - 9	5	2		" "
10	6	1	" " "	" "
8	7	1		" "
11	8	1	" " "	" "
19 - 20	9	2		" "
19 - 20	10	2	" " "	" "
6	11	1		" "
5	12	1	" " "	" "
10	13	1		" "
4	14	1	" " "	" "
15 - 18	1	4	" " "	RUC 01027
12 - 13	2	2		" "
21 - 24	4	4	" " "	" "
11 - 15	6	5		" "
9	7	1	" " "	" "
12 - 15	8	4		" "
21 - 27	9	7	" " "	" "
21 - 27	10	7		" "
7 - 10	11	4	" " "	" "
6 - 7	12	2		" "

ITEM SHIPPING SEQUENCE	ITEM	QTY	SHIP TO	MARK FOR
11 - 13	13	3	Commanding Officer	RUC 01027
5	14	1	First Force Service Regiment Force Logistics Command	" "
19 - 20	1	2	Fleet Marine Force, Pacific	RUC FSA-A1
14 - 15	2	2	Danang, Republic of Vietnam	" "
25 - 26	4	2	(G-3)	" "
10	5	1		" "
16 - 17	6	2	" " "	" "
10	7	1		" "
16 - 17	8	2	" " "	" "
28 - 29	9	2		" "
28 - 29	10	2	" " "	" "
11	11	1		" "
8	12	1	" " "	" "
14	13	1		" "
6	14	1	" " "	" "

NOTE: Each Case to be Marked III MAF Teletypewriter Equipment

BRIEFS

R SEACOMM

UNCLASSIFIED A040-jmm-34

6 MAR 1967

File F-3

Chief of Naval Operations
Navy Department
Washington, D. C. 20350

Subj: Communication Center Equipment Requirements for III Marine Amphibious Force

Encl: (1) Teletype Equipment Requirements for III MAF
(2) Teletype Maintenance Float and Maintenance/Test Equipment Requirements for III MAF

1. During 1965 and 1966, large amounts of fixed plant teletypewriter and ancillary communication center equipment were provided to the major activities of the III Marine Amphibious Force in Vietnam. Substantial installation upgrading of the major communication centers was also accomplished during 1966.

2. Although the installations have significantly improved the capability of the major communication centers to handle large volumes of message traffic, additional equipment, listed in enclosure (1), is now required. The additional equipment requirements have been generated by the following:

a. Recent displacement of two division command posts -- communication centers were left intact at old command posts now by activities remaining. Therefore, the two newly established division communication centers are presently operating with insufficient equipment.

b. Formation of two new major task organizations, i.e., Task Force Xray and the Force Logistics Command.

c. Expanding circuit requirements - - the establishment of additional internal, naval, and DCS teletype circuits has improved system flexibility (from the standpoint of terminal equipment employment) by eliminating teletype equipment which had been reserved as operational back-up within the communication centers. For example, in many instances when a circuit goes down due to teletype equipment failure, the circuit will remain down until the equipment is repaired. Additional naval and DCS teletype circuits are as follows:

(1) Headquarters, 3d Marine Division - full duplex terminal on [redacted]. This circuit has been validated through operational channels (no circuit identification assigned).

(2) Headquarters, 1st Marine Aircraft Wing - full duplex terminal to Tinian Lea JI relay. This circuit has been validated through operational channels (circuit number DCS CA67).

(3) Headquarters, Force Logistics Command - full duplex terminal on DCS common user circuit to Manang relay. A request for circuit validation has been submitted through operational channels (no circuit identification assigned).

The additional internal circuits are being supported by organic transmission means.

d. Upgrading of III MAF Combat Operations Center (COC) - - the tactical teletype equipment presently being employed within the COC is not providing reliable, high speed, high capacity service required.

3. Experience with the existing III MAF communication centers has shown that limited test and repair facilities and a maintenance float of major fixed plant teletype sub-components are required for each command. Enclosure (2) contains a listing of the equipment required to properly support the major end items now on hand within III MAF, and the additional items listed in enclosure (1).

4. Priority 2 is assigned to the requirement for equipments listed in enclosures (1) and (2). Should substitution for subject items be required, it is requested that informal concurrence be obtained from HQMC staff. Further, in view of extreme difficulty experienced in obtaining adequate repair parts for fixed plant teletype equipment during 1965 and 1966, it is requested that a 90 day supply of type 3 initial operating spares be provided with the equipment. In addition, it is requested that action be taken to ensure timely availability of continuing parts support within the Navy supply system, to be obtained by the using commands under the provisions of the inter-service support agreement now in effect for similar equipment.

5. Request that this be advised of availability and anticipated delivery times by 15 March 1947. Shipping instructions and related data will be held in abeyance until foregoing information is received by this headquarters.

G. F. BRITT
By direction

4

[illegible]

Blind copy to:
AS A04K
CH[illegible] A04A
A04[illegible] A04C

Commandant of the Marine Corps
Headquarters, Marine Corps
Washington, D. C. 20380

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A:/[illegible]-53	2	0	2	1	1	1	7
A:/[illegible]-79	4	0	1	0	0	0	5
A:/F[illegible]-100	0	0	6	3	1	3	13
A:/[illegible]-6	2	1	0	4	0	2	9
A:/[illegible]-20	0	0	0	0	1	0	1
[illegible]-67	0	1	6	0	0	4	13
TT-171	0	1	13	1	2	0	17
TT-167	0	1	5	0	4	4	14
TT-192	0	1	7	0	6	4	18
TT-253	0	0	1	0	0	0	1

[illegible] (1)

[illegible] SHIPS AND CRAFT FLEET AND
[illegible] ASSIGNED TO [illegible] FOR ATTACK

[illegible] OF SHIPS

[illegible]	[illegible]	[illegible]	1ST [illegible]	3D [illegible]	[illegible]	[illegible]	TASK FORCE [illegible]	TOTALS
TT-315	TT 331 of PGC 59	9	3	2	4	2	3	23
TT-317	TT 332 of PGC 59	9	3	2	4	2	3	23
TT-334	TT 333 of PGC 59	6	3	2	4	2	3	20
TT-326	PTC 108	5	4	2	2	2	0	15
TT-416	PGC 79	5	1	0	0	0	0	6
TT-437	TT 47/ PGC 6	6	10	2	4	2	2	26
TT-367	TT 47	2	4	2	0	1	1	10
TT-252	PGC 6	3	3	1	1	1	1	10
TT-265	TT 192/ PGC 6	3	4	1	5	2	2	17
TT-433	PGC 6	3	3	1	1	1	1	10
TT-439	TT 187/ PGC 6	4	5	1	4	2	1	17

[illegible] (2)

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TAPE PUNCH UNIT	TRAIN
AA 210	TT 332 or FGC 59	4	2	1	3	1	2	13
FGC 19		1	1	0	1	0	0	3
Rotor 1E/ 17A		10	5	2	7	2	3	29
Rotor 1F/ 67C		10	5	2	7	2	3	29
Rotor 1H/ 2A		2	1	1	4	1	2	11
Rotor 1H0 3C		2	1	1	2	1	1	8
Universal Trans Coder for TT333/FGC 59		6	1	1	3	1	2	14
MAINTENANCE/TEST EQUIPMENT								
UCS 6/Test Unit		1	1	1	1	1	1	6
Transmit/ Form Tape Monitor		1	1	1	1	1	1	6
TT 368/ Local Duty		1	1	1	1	1	1	6

TT-462A/B

[illegible] (2)

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ultra Sonic Cleaner		1	1	1	1	1	1	6
Signa Relay Tester		1	1	1	1	1	1	6
PAC V		0	0	1	0	1	0	2

ENCLOSURE (2)

Project 68A

AO4C-jrf-33
24 January 1967

ITEM: Fixed Plant Teletype

BACKGROUND:

During 1965 and 1966 large amounts of fixed teletypewriter and other communication center equipment was provided to the major commands within III MAF, in response to requests from CG FMFPac. Substantial installation upgrading of the major communication centers was also accomplished during 1966.

In December 1966 CG FMFPac submitted a request for additional equipment of the same type for expansion, filling new needs, and establishment of a maintenance pool. CMC requested from CG FMFPac certain amplifying information which is needed in processing equipment requests within the OPNAV Staff.

ACTION: Upon receipt of the additional information from CG FMFPac, a statement of the equipment requirements will be forwarded to CNO, with a request for expeditious handling.

OPTIONAL FORM NO. 10
5010-104

UNITED STATES GOVERNMENT

Memorandum

FILE C-7

A04C-jle-33

FOR : Commandant of the Marine Corps
VIA : Chief of Staff

DATE: 29 Sep 66

FROM : Assistant Chief of Staff, G-4

SUBJECT: III MAF Communication Center

Encl: (1) Photographs of Original Communication Center Building
(2) Photographs of New Communication Center

1. The enclosures are provided for information.

2. The new III MAF Communication Center shown in the photographs in enclosure (2) was designed by a CNO Communication Engineering Survey Team, which included an officer from this Headquarters. The equipment is modern, reliable, high-capacity equipment procured by CMC and installed by the Naval Shore Electronics Engineering Activity, Pacific.

3. Similar smaller installations have been provided for 1st Marine Division and 1st Marine Aircraft Wing. Improved communication centers are also planned for 3d Marine Division and Camp Butler.

4. Informal comments and staff visits indicate that the performance of the new communication centers is highly satisfactory.

5. Training and maintenance patterns have been altered to provide continuing support for these improved installations.

W. J. Van Ryzin

W. J. VAN RYZIN

Copy to (w/o encls):
AD
A04A
A04K
A04C

HEADQUARTERS MARINE CORPS ROUTING

NAVMC HQ 335-CMC (REV. 11-63)

9-912

DATE: 28 Sep 1966

RTG	OPR. CODE	DATE IN	DATE OUT	INITIAL	ADDRESSEES
		9/30	9/30		COMMANDANT
		9/26	9/30		ASSISTANT COMMANDANT
					MILITARY SECY TO CMC
					CHIEF OF STAFF
					DC/S (PLANS & PROGRAMS)
					DC/S (R&D)
					DC/S (AIR)
2	G	9/30	10/3		SECY OF GEN STAFF A B C
					G-1
					G-2
					G-3
					G-4
					ADMINISTRATIVE
					DATA PROCESSING
					MCCC
					FISCAL
					INFORMATION
					INSPECTION
					PERSONNEL
					POLICY ANALYSIS
					RESERVE
					SUPPLY
					WOMEN MARINES
					LEGISLATIVE
					COUNSEL
					STAFF DENTAL
					STAFF MEDICAL
					STAFF CHAPLAIN
					OP-09M

FROM: A C/S, G-4

TO: For:

Commandant of the Marine Corps

SUBJECT:

III MAF Communication Centers

REMARKS (Entries to be dated and signed)

III MAF Comm Instl

1	Signature	9/29	B	ACofS, G-4	AO4
			B	EXEC OFF	AO4A
				ADMIN OFF	
				Plans & Oper Br	AO4J
				Mat Req Br	AO4G
				Instal & O&MAppn Br	AO4K
X		9/28		Comm & Elec Br	AO4C
				Gen Sup Br	AO4D
				Ordnance Br	AO4F
				Motor Trans Br	AO4H

(For additional remarks attach plain paper)

ROUTING - Use numbers to show order of routing

OPERATION CODE

X - ORIGINATOR OR OFFICE AFFIXING ROUTING SHEET
A - FOR APPROPRIATE ACTION
B - FOR COMPLIANCE
C - PREPARE REPLY FOR SIGNATURE OF _____
D - FOR COMMENT
E - FOR RECOMMENDATION
F - FOR CONCURRENCE
G - FOR INFORMATION
H - RETURN TO _____
I - _____

INITIAL FOR FILE

C-22058

FILE C-7

830:RGE:sdc
4423.1C/III MAF
2 September 1966

From: Commanding General
To: Distribution List

Subj: Out-of-Stores Initial Issue for III MAF
Communications Terminal Equipment

Ref: (a) CMC 152023Z FEB 66 NOTAL
(b) CG MCSA Phila ltr 830:RGE:vbw over 4423.1C/ID #04523A of 28 Jun 66 NOTAL
(c) MCO 4423.1C w/chgs
(d) CMC 181446Z AUG 66 NOTAL

Encl: (1) Consolidated Listing for FLSG Alpha and Camp Butler
(2) Tailored Listing for 5th Comm Bn

1. This Out-of-Stores Initial Issue is distributed in accordance with reference (a).

2. Increment number 1 of the subject Initial Issue was forwarded by reference (b). Enclosures (1) and (2) comprise increment number 2 of the subject Initial Issue and constitute support for the following end items of equipment.

EQUIPMENT	ID #
AN/FGC-79A	05898A
AN/FGC-100	05900A
AN/UGC-6K	05873A
AN/UGC-25	05897A
PP-1646B/UG	05894A
TT-47J/UG	05910A
TT-171C/UG	05859A
TT-187C/UG	05478A
TT-331A/UG	05906A
TT-192A/UG	05477A
TT-332A/UG	05886A
TT-333A/UG	05907A
SB-1203B/UG	05893A
SB-1210B/UGQ	05902A
SB-2405/UG	05892A
CY-597A/G	05905A

830:RGE:sdc
4423.1C/III MAF

3. This increment will be shipped Out-of-Stores from U.S. Navy Depots direct to FLSG Alpha and Camp Butler. The quantities shown in block 22b is the Initial Issue for FLSG Alpha and block 22c is the Initial Issue for Camp Butler. FLSG Alpha will provide the items listed on enclosure (2) to the 5th Communications Battalion and retain the remainder of the items and quantities shown in block 22b of enclosure (1). Follow-on support will be via ISSA from the nearest Navy Depot since these equipments have not been adopted as standard to the Marine Corps.

4. Since the subject Initial Issue is Out-of-Stores, assignment and submission of Document Numbers and JON's are not required as prescribed in reference (c).

5. FLSG Alpha and Camp Butler will verify receipt of the material against the listings and report receipt and/or shortages to CG MCSA (Code 835).

6. Units not designated to receive listings are not authorized an Initial Issue. This is a result of applied computations in conjunction with the low densities of these equipments authorized to such units. This does not preclude units not authorized an Initial Issue from requisitioning parts required for maintenance based upon actual usage.

7. Additional increments of the subject Initial Issue will be provided for the following equipments. Estimated dates of these increments are also listed.

EQUIPMENT	ID #	INCREMENT AND DATE
AN/FCC-19( )	05540A	30 Sep 66
HP 200ABR	04400A	30 Sep 66
HP 5245L	04722A	30 Sep 66
GR 1840A	05908A	30 Sep 66
AN/UGC-20	05904A	15 Dec 66
AN/GGM-2A	05896A	15 Dec 66
TT-253C/UG	05895A	15 Dec 66
AN/PSM-4D	05903A	15 Dec 66

8. Initial Issues will not be effected for the following equipments in that provisioning is not required per reference (d).

a. DATE TIME MACHINE SIMPLEX #NA2G
b. REPRODUCING MACHINE A. B. DICK #227

R. G. [illegible]
By direction

830:RGE:sdc
4423.1C/III MAF

DISTRIBUTION LIST:

CMC (CSY-12) w/encls(1)and(2)
CG FMFPAC w/encls(1)and(2)
CG III MAF w/encls(1)and(2)
CG 1ST MARDIV w/o encl
CG 3RD MARDIV w/o encl
CG 1ST MAW w/o encl
CO FOR LOG COMD w/encls(1)and(2)
CO FLSG ALPHA w/encls(1)and(2)
CO CAMP BUTLER w/encl(1)
CO 3RD FSR w/o encl
CO HQ BN 1ST MARDIV w/o encl
CO HQ BN 3RD MARDIV w/o encl
CO MWHG-1 w/o encl
CO H&HS, MWHG-1 w/o encl
CO 5TH COMM BN w/encl(2)

FILE C-1A [redacted]

A04C-jaj-7
21 Apr 1966

Quartermaster General of the
Marine Corps

Assistant Chief of Staff, G-4

Communication Center Installation Hardware

Ref: (a) CG FMFPac Msg 032121Z Apr 66

1. Priority action has been initiated by CMC, CNO and [redacted] to install improved communication centers at the four major Marine headquarters in Vietnam. The primary items of equipment are on procurement, and delivery is about 50% complete. An installation team provided by the Navy is now present in Vietnam.

2. The necessary installation hardware has been obtained for the 1st of the four sites, but reference (a) advises that difficulty is being encountered in obtaining certain essential hardware items for the next two most urgent sites.

3. It is requested that the Quartermaster General obtain the following hardware items on an urgent basis:

ITEM	QUANTITY
INSTALLATION KIT, KW-26, FSN 5840-018-3466	2
RACK, EIA 8433B, 83 1/8"H, 33"W, 24 1/4"D	1
POWER SUPPLY MOD RS-20, GRAD ELECT. CO.	1
POWER SUPPLY, MULTILOK MOD 6006, ROBERTSHAW CONT. CO.	3
CONTROL SHELF, LOOP CURRENT, TYPE 252 MOD 2, NORTHERN RADIO CO.	1
ISOLATION RELAY, AR-17, STELMA	11
TERMINAL STRIP, 5 X 26, D-66839A, AUTOMATIC ELECTRIC	6
TERMINAL STRIP, 7 X 26, D-66773A, AUTOMATIC ELECTRIC	5
SLIDING SHELF, 60 LB. LOAD, BS-2419 FOR 19" RACK	9
JACK, WE-245C	49
JACK, WE-239A, FSN (NI 5935-194-3079	34
JACK, WE-303A, FSN 9NI 5935-259-9860	32
JACK, WE-438C, FSN 9NI 5935-259-9859	32
JACK, WE-238A, FSN 9NI 5935-191-4025	24
JACK, WE-482A, FSN 9NI 5935-258-8950	24

4. Priority 02 is assigned. Air-ship to CO, 5th CommBn marked for Communication-Electronics Officer, III MAF RUC-21655.

W. J. VAN RYZIN

Copy to:
A04A A04J
A04[illegible] A04K

Typed 4.20.66

FILE
C-7A

MAJ MITCHELL
SSGT FITZGERALD

AO4C 42542

CHC

CG FMFPAC

INFO: CG III MAF (MAIL)

COMSERVPAC

COMNAVSECGRU

NAVSECGRUPAC

UNCLAS

COMM CEN INSTALLATION HARDWARE

A. YOUR 032121Z

1. CHC HAS NO AUTHORITY TO ASSIGN FORCE/ACTIVITY DESIGNATOR I.

2. THIS HQ IS ATTEMPTING TO LOCATE AND OBTAIN POL ITEMS ON PRI 02 BASIS FROM CONUS SOURCES AND AIR SHIP DIRECTLY TO III MAF:

ITEM	QUANTITY
INSTALLATION KIT, KW-26 FSN N5840-016-3466	2
RACK, PX 8433B, 83 1/8"H, 33"W, 24 1/4"D	1
POWER SUPPLY, MOD RS-20, OPAD ELECT. CO.	1
POWER SUPPLY, MULTILOK MOD 6006, ROBERTSHAW CONT CO	3

APR 21 1966

ITEM	QUANTITY
CONTROL SHELF, LOOP CURRENT, TYPE 252	
MOD 2, NORTHERN RADIO CO	1
ISOLATION RELAY, ER-17, STELMA	11
TERMINAL STRIP, 5 X 26, D-66839A,	
AUTOMATIC ELECTRIC	6
TERMINAL STRIP, 7 X 26, D-66773A,	
AUTOMATIC ELECTRIC	5
SLIDING SHELF, 60 LB. LOAD,	
BS-2419 FOR 19" RACK	9
JACK, WE-245C	49
JACK, WE-239A FSN 9NI 5935-194-3079	34
JACK, WE-303A FSN 9NI 5935-259-9860	32
JACK, WE-438C FSN 9NI 5935-259-9859	32
JACK, WE-238A FSN 9NI 5935-191-4825	24
JACK, WE-482A FSN 9NI 5935-258-8950	24

3. WILL ADVISE PROGRESS ABOVE PROCUREMENT. REQ CG FMFPAC ADVISE CMC IF PACIFIC AREA PROCUREMENT EFFORTS PROVIDE ANY OF ABOVE LISTED ITEMS, TO PREVENT DUPLICATE PROC REMENT.

A04A
A04C
A04K

A04J
CH

HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
FPO San Francisco 96602

10A1/ram
2000
15 Feb 1969

From: Assistant Chief of Staff, G-6
To: Newly Joined ICTZ Communication Personnel

Subj: Orientation for Newly Joined Comm-Elect Personnel ICTZ

Encl: (1) Organizational Chart
(2) Major Communication Units ICTZ
(3) References
(4) Key Communication Personnel

1. The purpose of this document is to provide newly joined ICTZ communication-electronics personnel with an orientation of communication-electronics systems and commands within the ICTZ.

2. The Commanding General, III Marine Amphibious Force (CG, III MAF), located in Danang East, is also the Senior Advisor, I Corps Tactical Zone (ICTZ) as well as the Area Coordinator, ICTZ. One of the responsibilities of the Area Coordinator is to coordinate communication matters.

3. The Commanding General, III Marine Amphibious Force is responsible for the assignment of all VHF/FM frequencies in the ICTZ. Consequently, all requests for these frequencies for use in ICTZ must be submitted to Headquarters, III MAF. Requests for all other frequencies are submitted through the operational chain of command.

4. Enclosure (1) depicts the current III MAF organizational structure for combat operations.

5. Each division, wing, and combat support or combat service support command depicted in enclosure (1) has its own organic communication unit. In the case of the Marine divisions and the Force Logistic Command, support is provided by an organic Communication Company. The Army divisions are supported by a Signal Battalion and the 1st Marine Aircraft Wing by a Communication Squadron.

6. Enclosure (2) is a brief description of the major communication units which can be found in ICTZ.

7. The long haul communications system within RVN is managed by Defense Communication Agency (DCA). Requests for circuits on the Defense Communications System (DCS) are submitted in accordance with

the MACV CEOI and the III MAF COMMPLAN FOUR through operational command channels. All circuits on the DCS must be validated by COMUSMACV or higher authority. The Defense Communication Agency, Southeast Asia Mainland (DCA-SAM), has a detachment located at III MAF Headquarters. The function of this detachment is to coordinate DCA matters in the ICTZ and to provide expertise in DCA operations to the using units and operating organizations.

8. The Army Area Communication System (AACS) is operated and managed by CG, USARV. Requests for circuits on this system are submitted through operational command channels and must be validated by USARV.

9. The Integrated Communications System (ICS) is a part of the DCS. The system employs commercial type equipment which interconnects nodal points in Southeast Asia. Expansion of ICS continues and is presently in Phase 3. ICS in the ICTZ is operated by the Long Lines Area North, (Danang Detachment). This unit also operates the Danang technical control facility.

10. The Automatic Secure Voice Communications (AUTOSEVOCOM) Network is a single world-wide switched secure voice system for meeting Department of Defense long haul secure voice requirements. Entrance to the AUTOSEVOCOM system is provided ICTZ units at Danang, Phu Bai, Chu Lai and Dong Ha.

11. AUTODIN terminals in the ICTZ are listed below:

UNIT	LOCATION
Hq III MAF	Danang East
1972nd Comm Sqdn	Danang Air Base
For Log Comd	Red Beach
1st MAW	Danang Air Base
Danang Sig Bn (STRATCOM)(PROV)	Danang East
NSA Danang (SEA ANCHOR)	Danang East
XXIV Corps (63rd Sig Bn)	Phu Bai
8th RRFS	Phu Bai
1st MarDiv (Mobile)	Danang (Effective approx 15May69)
3rd MarDiv (Mobile)	Dong Ha (Effective approx 15Apr69)
MarAirGru 12	Chu Lai (Effective during Mar69)

12. A listing of useful references is contained in enclosure (3).

13. Enclosure (4) is a listing of key communication personnel in ICTZ.

14. The Area Coordinator, ICTZ conducts periodic communication conferences which all major commands and communication organizations are invited to attend.

10A1/ram
2000

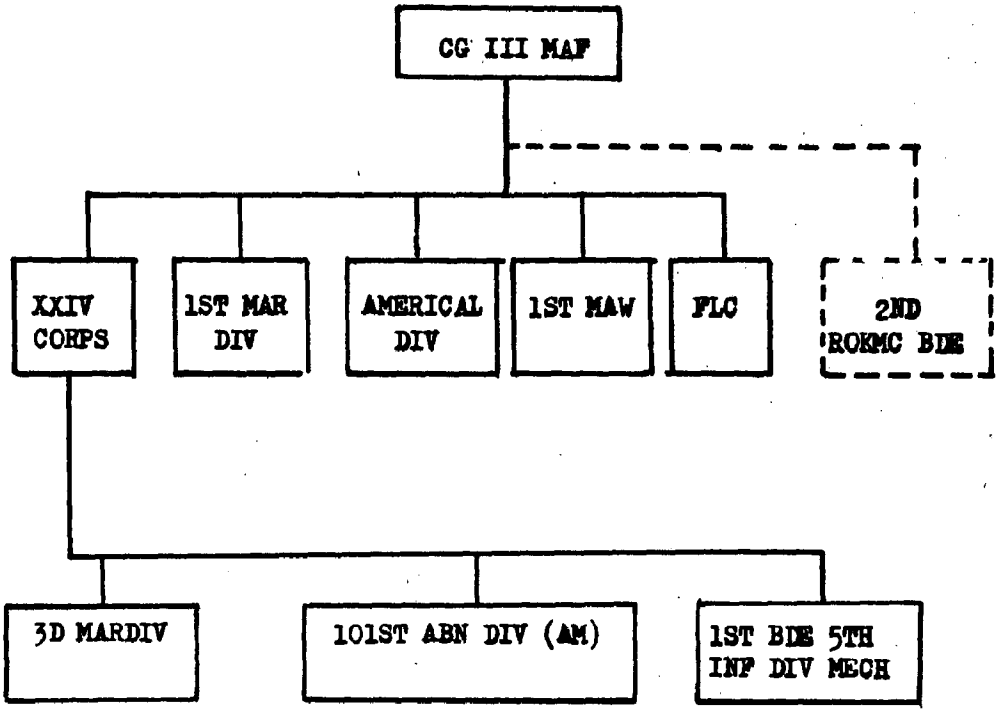
15. Local cable coordinating committees are established in ICTZ. Cable projects should be referred to these committees to ensure coordination prior to installation. The III MAF/Area Coordinator Cable Coordinating Committee meets monthly at III MAF Headquarters.

16. The following is a list of telephone dial systems in the ICTZ and the operating agency:

FACILITY	LOCATION	OPERATING UNIT
Dial Central Office (DNG DCO)	Danang AB	1972d Comm Sq (USAF)
Dial Central Office (CHL DCO)	Chu Lai	NavSuptAct (USN)
Dial Central Office (PHB DCO)	Phu Bai	63d Sig Bn (USA)
Dial Central Office (DNE DCO)	Danang East	NavSuptAct (USN)
AN/TTC-28 (HQ III MAF)	Camp Horn	5th Comm Bn (USMC)
AN/TTC-28 (DGN DCO)	Red Beach	ForLogComd (USMC)
AN/TTC-28 (3rd MARDIV)	Dong Ha	3rd MarDiv (USMC)
AN/TTC-28 (1st MARDIV)	Danang	1st MarDiv (USMC)

B. E. HORNER

ORGANIZATIONAL CHART



_____OPCON

- - - COOPERATION AND COORDINATION

MAJOR COMMUNICATION UNITS ICTZ

1. 5th Communication Battalion (USMC). The 5th Communication Battalion Headquarters is located in Danang East. It is under the operational control of CG, III MAF and administrative control of the Force Logistic Command (FLC). The battalion provides communication support for Headquarters, III MAF. Additionally, it provides communication support as directed to other III MAF and FWMAF units.

2. 7th Communication Battalion (USMC). The 7th Communication Battalion Headquarters is located in Danang. It is under the operational and administrative control of CG, 1st Marine Division. The battalion provides communication support as required to III MAF and FWMAF units.

3. ICTZ Signal Group (USA). The group is under the operational and administrative control of the 1st Signal Brigade. In turn, the group provides operational and administrative control of the 37th Signal Battalion and the 63rd Signal Battalion. The Group Headquarters is located at Phu Bai.

4. 37th Signal Battalion (USA). The battalion is under the operational and administrative control of the ICTZ Signal Group. The battalion operates multi-channel communication systems in the Defense Communication System (DCS) and Army Area Communication System (AACS). It also operates two communication centers in Danang as well as communication centers for MACV advisors in the southern part of the ICTZ (from Danang south). The battalion headquarters is located on the Danang Air Base.

5. 63rd Signal Battalion (USA). The battalion is under the operational and administrative control of the ICTZ Signal Group. The battalion operates multi-channel communications systems in the DCS and AACS. It operates an Army Area Communication Center at Phu Bai as well as communication centers for MACV advisors in the northern part of ICTZ. Its responsibility differs from that of the 37th Signal Battalion in that it also provides communication support for Headquarters, XXIV Corps. The battalion headquarters is located at Phu Bai.

6. 1972nd Communication Squadron (USAF). The squadron is under the operational and administrative control of the 1964th Communication Group which is a part of the 7th Air Force. Its primary function is to provide communication support for the Danang Air Base and Air Force units thereat. The squadron also operates multi-channel communication systems as a part of the DCS. The squadron headquarters is located at the Danang Air Base.

7. Danang Signal Battalion (STRATCOM) (PROV) (USA). This battalion is under the operational and administrative control of the Regional Communications Group which is a part of the 1st Signal Brigade. Its function is to operate the Danang Major DCS Relay Station which serves all of the ICTZ with teletype traffic. The unit is located in Danang East.

REFERENCES

1. MACV CEOI
2. III MAF COMM PLAN series (Force Order P02000.1_)
3. MACV Directives in the 105 series
4. MACV CEI
5. USARV CEOI
6. Southeast Asia Wideband System Circuit and Trunk Director
7. I Corps Coordinator Instruction (ICCI 2110.3_)
8. I Corps Coordinator Instruction (ICCI 2030.1_)
9. I Corps Coordinator Instruction (ICCI 2300.2_)
10. I Corps Coordinator Instruction (ICCI 2305.2_)
11. MACV Teletype Routing Directory

Key Comm-Elect Personnel
I Corps Tactical Zone

Grade	Name	Title	Org	Phone
Col	HORNER, B.E.	G-6	III MAF	951-5226
LtCol	HOOVER, M.M. Jr.	Dep G-6	III MAF	951-5258
Maj	WILLKOMM, J.W.	Ops O	III MAF	951-5209/5309
Maj	REYNOLDS, H.E.	Ckts O	III MAF	951-5209/5309
1stLt	STUFF, C.P.	Freq/Wire O	III MAF	951-5209/5309
Maj	HOLDER, K.M.	Engr Plans O	III MAF	951-5371
LtCol	DAVIS, H.R.	ElectMaint O	III MAF	951-5600
MGySgt	MARSHALL, R.A.	Comm Chief	III MAF	951-5258
Maj	KING, B. D.	CommCen O	III MAF	951-5312
1stLt	BLAIR, R.	CommO, CORDS	III MAF	957-2310
LtCol	BINH, N.V.	G-6	I Corps	957-2934
Maj	PARTIN, D.W.	SigAdv	I Corps	957-2198
Col	GOLDENTHAL, M.	CO	ICTZ Sig Gp	956-2782
LtCol	FRANCIS, P.M.	Exec O	ICTZ Sig Gp	956-2170
LtCol	MARACKY, F.C.	SysCon O	ICTZ Sig Gp	956-2280
SgtMaj	SLANINA, R.L.	SgtMaj	ICTZ Sig Gp	956-2170
Col	RICHTER, A.	Sig O	XXIV Corps	956-2205
LtCol	WILCOX, E.	Asst Sig O	XXIV Corps	956-2132
LtCol	MANNING, M.L.	Opns O	XXIV Corps	956-2117
SgtMaj	BROWN, R.N.	SgtMaj	XXIV Corps	956-2132
Col	LEMAY, J.	CEO	3d MarDiv	956-3166
LtCol	DESSELLE, A.M.	Asst CEO	3d MarDiv	956-3266
CWO-4	CRAWFORD, T.E.	Elect O	3d MarDiv	956-3167
MGySgt	DUNN, R. J.	Comm Chief	3d MarDiv	956-3166/3266
Col	DAHL, C.G.	CEO	1st MarDiv	957-6180
Maj	SWARTWOOD, R.E.	Asst CEO	1st MarDiv	957-6180
Maj	THORESON, B.D.	Opns/Plans O	1st MarDiv	957-6140
Maj	HARRISON, K.L.	Elect O	1st MarDiv	957-6130
MGySgt	PEEK, J.F.	Comm Chief	1st MarDiv	957-6180
LtCol	HARTMAN, R.S.	CEO	1st MAW	957-5008/3366
Maj	HYDE, W. H.	Asst CEO	1st MAW	957-5108
Maj	MITCHELL, L.G.	Elect O	1st MAW	957-5108
MSgt	NEULS, W.H.	Comm Chief	1st MAW	957-5108
LtCol	MORRIS, H.L. Jr.	CEO	ForLogComd	955-2160
1stLt	ACOSTA, R.	Asst CEO	ForLogComd	955-2444
Maj	BECK, D.C.	ElectMaint O	ForLogComd	955-2349
Maj	FISH, W.D.	CO, CommCo	ForLogComd	955-2140

LtCol	MAGRUDER, L.F.	Sig O	Americal Div	958-2814
Maj	FEELEY, R.F.	Asst Sig O	Americal Div	958-3219
MSgt	SEYMOUR, R.E.	Comm Chief	Americal Div	958-3219
LtCol	VANCE, L. B.	Sig O	101st Abn Div	Cp Eagle 110
Maj	BROOKS, T.	Asst Sig O	101st Abn Div	Cp Eagle 110
SgtMaj	ELZEY, H.E. Jr.	Comm Chief	101st Abn Div	Cp Eagle 110
LtCol	KIM, YOUNG WOO	CEO	2d ROKMC Bde	Chung Yung 510
Capt	SOO, SUNG SOO	Asst CEO	2d ROKMC Bde	Chung Yung 510
Maj	PARK, SUNG WON	CO, CommCo	2d ROKMC Bde	Chung Yung 636
Cdr	MUSGRAVE, R.F.	ACofS, Comm	NSA Danang	951-2750/3589
Lt jg	HIMES, J.W.	Asst Comm O	NSA Danang	951-2750/3589
Lt	BERNSTEIN, W.P.	Ops O	NSA Danang	951-2750-3589
RMCS	BUCHER, L.	CommCenChief	NSA Danang	951-2750-3589
LtCol	BRADY, C.L.	CO	7th Comm Bn	957-6696 Ext 6
Maj	SELBY, D.F.	Exec O	7th Comm Bn	957-6696 Ext 5
Maj	AUSTENFELD, R.B.	S-3	7th Comm Bn	957-6696 Ext 3
MGySgt	VILLANEUVA, A.P.	Ops Chief	7th Comm Bn	957-6696 Ext 103
LtCol	HINES, J.D.	CO	5th Comm Bn	951-3394
Maj	SLOCUM, J.M.	Exec O	5th Comm Bn	951-3494
Maj	BAIER, G.F.	Ops O	5th Comm Bn	951-3694
MGySgt	YEAGER, F.G.	Ops Chief	5th Comm Bn	951-3959
LtCol	WATSON, R.W.	CO	37th Sig Bn	957-2500
Maj	LOGAN, R.W.	Exec O	37th Sig Bn	957-2500
Maj	HARRIS, M.J.	S-3	37th Sig Bn	957-2477
SgtMaj	ATKINSON, C.F.	SgtMaj	37th Sig Bn	957-3200
LtCol	RAMOS, D.	CO	63d Sig Bn	956-2727
Maj	KOSMIDER, G.	S-3	63d Sig Bn	956-2778
SgtMaj	CASTILLO, E.M.	SgtMaj	63d Sig Bn	956-2884
Maj	ZENOS, M.J.	CO	Dng Sig Bn	951-2414/3249
SgtMaj	MARTINEZ, E.	SgtMaj	Dng Sig Bn	951-2414/3249
MSgt	SHIELDS, W.H.	Ops NCO	Dng Sig Bn	951-2514/3349
LtCol	SINGLETON, A.I.	CO	1972dCommSqdn	957-2250
Capt	SHELBY, J.F.	Pers O	1972dCommSqdn	957-2250
1stSgt	RIDDLE, C.C.	1stSgt	1972dCommSqdn	957-4161
TSgt	PICKLE, C.E.	Plans NCO	1972dCommSqdn	957-3906
LtCol	VANCE, J.G.	CO	620th TAC Sqdn	MYM 22
Capt	BREWSTER, J.H.	Comm-Elect O	620th TAC Sqdn	MYM 6
Capt	BERTUCCI, J.J.	Admin O	620th TAC Sqdn	MYM 12
Maj	WINTERSMITH, J.P.	Det Chief	DCA-SAM DngDet	951-5385/5386
Capt	GRAY, E.	AsstDetChief	DCA-SAM DngDet	951-5385/5386
Lt	COSTELLO, S. A.	Det Comdr	485th GEEIA Det	957-4326
Capt	JULIAN, R.A.	CO	Long Lines Area	957-3901
1stSgt	SNAVELY, W.E.	1stSgt	Long Lines Area	957-3901
Lt	WILLIS, W.J.	Det OIC	LL Area MYM Det	MYM-65
Lt	REX, E.W.	Det OIC	LL AREA DNG Det	957-4607

(1) The Commanding General, III Marine Amphibious Force, is the Zone Coordinator for the Danang Sector for area communications. The Danang Sector is the area in ICTZ that is located to the north of the established boundary between the 1st Marine Division and the Americal Division and south of the established boundary between the 1st Marine Division and the XXIV Corps, Vietnam, including Danang, Danang East and the Freedom Hill Recreation Complex.

(2) Reference (b) designated the Commanding General XXIV Corps, Vietnam, as the Zone Coordinator for the Northern Sector, I Corps Tactical Zone.

c. Sub-Zone Coordinators. A U. S. Military Commander or Senior Advisor, designated by the Area/Zone Coordinator, responsible for coordinating those functions and activities prescribed by the Area/Zone Coordinator within a specific geographical area. One Sub-Zone Coordinator has been designated by the Area Coordinator, I Corps Tactical Zone. Reference (c) designated the Commanding General, Americal Division as Sub-Zone Coordinator for the Southern Sector, I Corp Tactical Zone.

d. Installation Coordinators. A U. S. Military Commander or Senior Advisor designated by the Area/Zone/Sub-Zone Coordinator, responsible for coordinating those functions and activities prescribed by the Area/Zone/Sub-Zone Coordinator within a specific geographical area. Reference (d) designated the Commander, 366th Tactical Fighter Wing (PACAF) as Installation Coordinator, Danang Air Base.

4. Background

a. During the past year, the number of organizations within the I Corps Tactical Zone possessing outside plant cable installation capabilities has greatly increased. Due to the varied missions of each of these organizations, myriad numbers of cable projects are in progress. Lack of coordination has, in many cases, resulted in duplication of effort, competition for available material and rights-of-way, and inadvertent waste of resources. In many instances, organizations lacking cable construction abilities and unaware of available cable systems have installed field wire circuits between points already served by cable.

b. Failure to make effective coordination has also resulted in serious damage to presently installed communications

Written instructions will be promulgated by each Zone/Sub-Zone/Installation Coordinator to all units in their area of responsibility of this requirement.

b. Each Communication Cable Coordinating Committee shall contain representatives of all appropriate activities assigned to each area of consideration. The committee shall meet as frequently as required to ensure that fruitful coordination is maintained, but at least monthly. Minutes of each committee meeting shall be forwarded to the Area Coordinator, I Corps Tactical Zone/Commanding General, III Marine Amphibious Force, Attention: Assistant Chief of Staff, G-6, in duplicate, for information and review within seven days after each meeting.

c. Each Zone/Sub-Zone/Installation Coordinator shall designate the membership of his appropriate Communications Cable Coordinating Committee. The chairman, or his designated representative, shall maintain and be responsible for the following records:

(1) Complete set of plans of current and future cable installations.

(2) Complete and current line maps within the area of responsibility.

(3) Two copies of each record indicated in subparagraphs (1) and (2) above will be forwarded to the Area Coordinator, I Corps Tactical Zone/Commanding General, III Marine Amphibious Force, Attention: Assistant Chief of Staff, G-6 by 15 October 1968, with updating information to follow within seven days of any change.

(4) Committee actions, to include issuance of construction, demolition and excavation permits.

d. Each coordinator shall promulgate appropriate instructions to ensure that organizations requiring cable paths, contemplating cable/field wire installation, or planning to excavate, destroy or build will first coordinate, in writing, with the appropriate Communications Cable Coordinating Committee.

e. The Danang sector cable committee membership and their duties are defined in enclosure (3).

Michael Mosteller
MICHAEL MOSTELLER
Deputy Chief of Staff

cables. Personnel have entered into construction or demolition work with insufficient regard for protection of both buried and aerial cables.

5. Action. In order to provide coordinating agencies for certain cable installations and cable pair requirements, to prevent duplication of effort in construction and allocation of cable resources, and to protect those assets presently installed within the I Corps Tactical Zone, the following procedures are established:

a. Each Zone/Sub-Zone/Installation Coordinator will designate a Communication Cable Coordinating Committee that will coordinate the following functions and activities:

(1) Use and future allocation of all cable pairs within the coordinated cable system of each committee.

(2) Installation of all multi-paired communication cable systems within their areas of responsibility.

(3) Orderly planned expansion of the coordinated cable system to eventually replace all installed field wire.

(4) Planning with cognizant agencies for the forecasting of requirements, approval of rights-of-way, and joint usage of poles.

(5) Maintaining drawings of all completed communications cable installations, and other pole line construction plans that could result in joint use of telephone and/or power poles.

(6) Inspection of installed communications cable/wire lines to ensure that standards for construction and safety as outlined in enclosure (1) are complied with. Special attention will be given towards rapid removal of all unused/dead field wire pairs, and safety hazards presented when communications wire/cable and power cable are installed on the same pole. Two copies of each inspection report will be forwarded to the Area Coordinator, I Corps Tactical Zone/Commanding General, III Marine Amphibious Force, Attention: Assistant Chief of Staff, G-6.

(7) Ensuring that all communications circuits/cables are identified in accordance with the instructions contained in reference (e).

(8) Issuance of construction, demolition, and excavation permits to units within their area of responsibility to preclude cable interruption due to friendly activities.

DISTRIBUTION:
Case 2
Case 3

Copy to:
I Corps (ARVN) G-6 (3)
610th AreaCpnsBn (ARVN) (2)
I Corps SigBn (ARVN) (2)
I Corps SigAdvisor (1)

ICCI 2300.2A
3 SEP 1968

Wire and Cable Construction Standards, ICTZ

Ref: (a) TM 11-486-5
(b) TM 11-2262 series
(c) FM 24-20

1. Purpose. To promulgate standards for the construction of wire and cable communication lines within the ICTZ, and provide guidance for personnel inspecting such facilities.

2. Background. During the past year, installation of field wire and field cable lines within the ICTZ has not been in accordance with good construction practices. In some cases, this installation has lacked common sense. Lines have been improperly installed and improperly located - to the point where communications lines and power lines have been intermingled into the same cabled group. While the references above delineate proven construction practices in use throughout the military service, additional specific guidance needs to be provided.

3. Procedures

a. When three or more field wire/cable lines are suspended over the same route, they will be cabled together; however, no cable may contain more than twelve field wire/cable pairs. Field wire/cable installed on a semi-permanent basis will be aerially suspended.

(1) Overhead construction will be placed at least 18 feet above the ground, except as indicated in b. and c. below. There will be no overhead installation at railroad crossings.

(2) All overhead crossings will be clearly marked either with a yellow or white panel approximately 2 feet square or 25 inch lengths of engineer tape hung from the lowest wire, and spaced 18 inches apart.

b. When installing aerial lines at landing fields or airstrips, the following standards will be observed:

(1) Lines will not cross landing strips, taxiways or parking areas, nor will they cross a landing strip extension less than 300 feet from either end of the strip.

(2) Lines will not exceed 10 feet in height at a distance of 300-600 feet from the end of a strip, or 25 feet at a distance of 600-900 feet from the strip end. These lines will be marked, as outlined above, for at least 100 feet on either end of the landing strip.

ENCLOSURE (1)

c. At helicopter landing pads, aerial wire/cable lines:

(1) Will not cross landing pads, nor be constructed less than 50 feet in any direction from the pad.

(2) Will not exceed 3 feet in height from 50-100 feet distant, 10 feet from 100-200 feet away, or 25 feet from 200-300 feet away from such pads.

(3) Will be marked, as outlined above, for at least 300 feet from the pad in all directions.

d. When aerial lines cross rivers, gullies, ravines, etc., they will be marked as outlined above, if:

(1) Ground clearances exceed 50 feet, and/or the unsupported span exceeds 300 feet.

(2) The approach path on a level flight on a line perpendicular to the wire/cable line is unobstructed by terrain features for at least 500 feet on both sides of the crossing.

e. Communication wire/cable lines will be installed at least 6 feet below electrical power lines when crossing or running parallel to them. Zone Cable Coordinating Committees may grant one-time exceptions to this distance criteria when sufficient justification is provided. In no case will cable/wire lines be installed above power lines.

f. Conversion of field wire circuits to cable circuits will be required when period of installation exceeds 30 days, and the circuits are expected to become semi-permanent requirements. Field wire circuits can only be considered as temporary-use circuits; line loss (in dB) is nearly twice that of field cable.

g. Use of presently installed communication/power poles will be reviewed by all Zone Cable Coordinating Committees to ensure total compliance with these standards.

(1) All units planning to install wire or cable on another unit's pole line will coordinate and obtain written permission from the owner prior to installation.

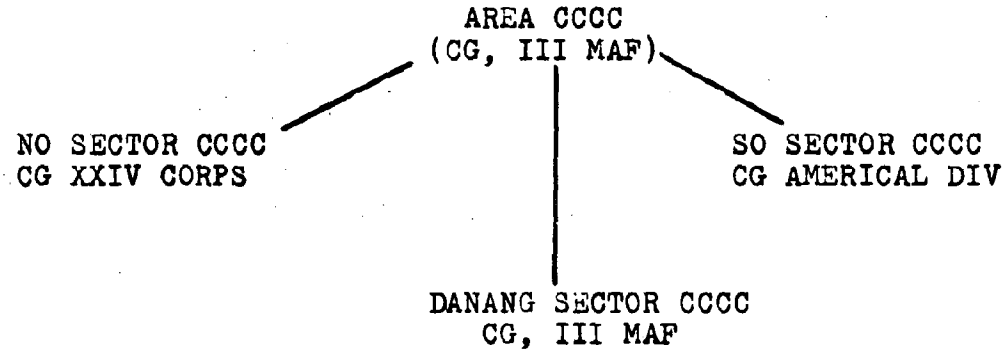
(2) All units with wire/cable installed on another unit's pole line will conduct a joint inspection with the unit owning the pole line and correct all installation discrepancies. The owner of the pole line has the ultimate responsibility for the condition of the pole line and wire/

cable installation it carries.

(3) All units with field wire/cable that is no longer in use will remove it. Units owning pole lines are authorized to remove unclaimed wire from their pole lines.

(4) All unresolved discrepancies will be reported to the local cable coordinating committee who will recommend appropriate action to the cognizant coordinating authority.

Area Communications Cable Coordinating Committee, ICTZ



HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
c/o FPO San Francisco, California 96602

ICCI 2110.3B
IO/mjh
19 APR 1968

I CORPS COORDINATOR INSTRUCTION 2110.3B

From: Area Coordinator
To: Distribution List

Subj: Area Coordinator Collective Messages

Ref: (a) ACP 121, US Supplement 1 (C)

1. Purpose. To promulgate information and instructions for the distribution of messages originated by Area Coordinator I Corps Tactical Zone addressed to "All US Units ICTZ".

2. Cancellation. ICCI 2110.3A

3. Background. Frequently the Area Coordinator will originate messages of widespread interest to all US Units I Corps Tactical Zone. A message is used in lieu of a published I Corps Coordinator Instruction or Notice whenever the information is of immediate interest. It is imperative that these messages be given the widest possible dissemination to insure that all personnel are made aware of their contents. Area Coordinator Collective Messages will be numbered consecutively throughout the calendar year and handled in the same manner as general messages.

4. Instructions. Area Coordinator Collective Messages will be addressed simply to "All US Units ICTZ". Messages with this address will be handled within ICTZ by all communications and message centers in the same manner as a general message described in paragraph 309 of reference (a). The III Marine Amphibious Force Communications Center will transmit these collective messages to the DCS Major Relay Danang (RUMH) using the collective routing indicator RUMHJJ. DCS Major Relay Danang will then transmit the collective message to (1) US Army Communication Center, Danang (RUMHVH), (2) US Air Force Communication Center, Danang (RUMHPB), (3) Naval Support Activity, Danang, Communication Center (RUMHNA), (4) Minor Relay Station Chu Lai

(RUMHMI), (5) First Marine Division Communication Center (RUMHLA), (6) Third Marine Division Communication Center (RUMHVP), (7) First Marine Aircraft Wing Communication Center (RUMHAW), (8) STRATCOM Relay Danang (RUMHC), (9) Force Logistic Command Communication Center (RUMHFL), (10) Provisional Corps Vietnam Communication Center (RUMHMA), (11) Army Communication Center (RUMHMB) for retransmission to connected tributaries, and (12) (Upon activation) Danang East Communication Center. The III MAF Communication Center will, additionally, insure that the collective addressed message is given local distribution to all units for which it maintains communication guard. The communication centers receiving Area Coordinator Collective Messages will transmit the message to all connected tributaries. Over the counter copies shall be provided where such service has been established. All tributaries will continue the process of widespread dissemination to all units for which they are responsible. Communication centers will maintain a file of Area Coordinator Collective Messages as they do for other general messages. It should be noted that relay centers are addressees as well as providing relay function. An example of the heading to be used by the III MAF Communication Center follows:

```
00 RUMHJJ
DE RUMMWAA 2000 2701400
ZNY CCCCC ZOC
O 271400Z MAR 68
FM CG III MAF/ AREA COORDINATOR ICTZ
TO ALL US UNITS ICTZ
BT
```

5. Action. Commanders of all US I Corps units concerned with the operation of communication centers will insure that the instructions contained in paragraph 4 are incorporated in the Standing Operating Procedures (SOP's) of their Communication and Message centers to insure distribution of Area Coordinator Collective Messages to all US Units in I Corps Tactical Zone.

Duane L. Faw

DUANE L. FAW
DEPUTY CHIEF OF STAFF

DISTRIBUTION:
Case 2 & 3
COMUSMACV

HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
c/o FPO San Francisco, California 96602

ICCI 2110.3B Ch 1
10/ar
22 JUN 1968

I CORPS COORDINATOR INSTRUCTION 2110.3B Ch 1

From: Area Coordinator
To: Distribution List

Subj: Area Coordinator Collective Messages

1. Purpose. To direct a pen change to the basic instruction.

2. Action

a. In paragraph 4, line 21 delete phrase, "(Upon activation)".

b. In paragraph 4, line 22 add after East Communication Center "(RUMHVT) (13) NAVCOMMSTA Cam Ranh Bay (RUMNVHC)."

Duane L. Faw

DUANE L. FAW
DEPUTY CHIEF OF STAFF

DISTRIBUTION:
Case 2 & 3
COMUSMACV

HEADQUARTERS
3d Marine Division (Forward)(Rein) FMF
FPO San Francisco 96602

10/RWS/rlb
30 Jan 67

From: Communication Electronics Officer
To: ACofS G-3, 3d Marine Division (Forward)

Subj: Combat Operations After Action Report, Communications

Ref: (a) G-3 ltr 3A/RCM/rlh 5213 dtd 5Jan67

1. In accordance with reference (a) the following report is submitted.

COMMUNICATIONS AFTER ACTION REPORT

1. Operation Prairie I

2. 15 October 1966 - 31 January 1967

3. Third Marine Division (Forward), Dong Ha, Quang Tri Province

4. Third Marine Division (Forward)

5. Task Organization

Division (Forward) Communication Detachment OinC Capt. R. W. SLOAN

Detachment 7th CommBn (3-34)
Detachment CommCo, HqBn, 3dMarDiv (1-38)
Detachment 5th CommBn (10)

6. Not Applicable

7. Not Applicable

8. Mission. To provide communications for the Headquarters, Third Marine Division (Forward), to provide communications guard for the units in the Operation Prairie Area and to provide a Division CEO representative for the staff of the Third Marine Division (Forward) Headquarters.

9. Concept of Operations

a. To install a Communication Center capable of providing teletype communication to higher headquarters and of providing communications guard to the units in the Operation Prairie Area.

TAB E
ENCLOSURE (1)

b. To install a switching central at the Third Marine Division (Forward) Command Post integrated into the III MAF telephone system and the Defense Communications System.

c. To establish necessary radio nets required to Command and control units under direct OPCON of Third Marine Division (Forward) and to maintain radio communications with the Third Marine Division.

10. Execution

a. Communication Center

(1) Teletypewriter circuits established to Third Marine Division include a full duplex circuit plus an overload receive circuit.

(2) A teletypewriter switch was established to Third Marine Regiment, 12th Marine Regiment, and the First Battalion, Third Marines. First Battalion, Third Marines was removed from the system on 13 December 1966 and was serviced from the Third Marine Division form that date.

(3) All other units in the Dong Ha area receive messages from the Communications Center on a daily pick-up basis.

(4) The Communication Center processes approximately 7000 messages per month.

(5) Problem areas.

(a) Communication Center consumable supplies are hard to get. On three occasions, the Communication center ran completely out of reproduction paper and reproduction fluid.

(b) Equipment shortages prevent more efficient operation of the Communications Center. AN/TGC-14V and AN/GGC-3 teletypewriter equipment are the primary shortages. More equipment would allow teletypewriter service to Units in the Dong Ha area thus reducing delivery time to these units.

b. Wire and Switchboard

(1) The Third Marine Division (Forward) Command Post area was initially equipped with two SB-86/PT switchboards with two additional TA-207 switchboard units in a new switchboard room in a new area. This provided 120 line capability. The switchboards were relocated away from the COC area to reduce the traffic of communications personnel into the COC operating area.

(2) The Command Post area was completely rewired and recabled. A main frame was constructed in the new switchboard room to accomadate 200 pairs. This allows cross connection at a central point for rapid repairs, replacement of bad lines, and faster trouble shooting.

(3) Approximately 70 miles of WD-1/TT, 1 mile of 25 pair cable, and 1 mile of 10 pair cable was used to recable the Command Post. WD-1/TT was used due to non-availability of 25 pair cable at the time.

(4) Three incidents of deliberate sabotage of communication lines were noted. In two cases, two lines from the Division (Forward) Command Post to the 2d ARVN Regiment Command Post had 15 foot sections cut out of the lines. A spiral four line was used for this which is difficult to cut or break. The other incident involved two surface laid WD-1/TT lines. The insulation had been stripped from two pairs; the lines had then been shorted together and taped up to make the short look like a splice.

(5) Approximately 3000 calls per day are handled by the Third Marine Division (Forward) switchboard. Three channels to Third Marine Division were lost when an AN/MRC-62 Radio Relay was deployed with the 4th Marine Regiment. These three channels are considered a vital requirement. (See c.(3). following)

c. Radio Relay

(1) The AN/TRC-97 Radio Set was used for the relay link to the Third Marine Division at Phu Bai. This is an excellent item of equipment. Failure of one channel due to parts was experienced on only one occasion. The only problem area noted concerns the compatability of the Radio Set and the wire lines that connect to the channels. The impedence matching of the two appears to require critical adjustment of the radio set. The symptom is a loss of ringing ability on the circuit. A check of the wire lines separately indicates that the wire lines are good. However, when the two are connected together, the circuit will not ring through although voice transmissions are normal.

(2) AN/MRC-62 Radio Relay Set, were used for channels to the Third Marine Regiment and the Camp Carroll area. AN/TRC-27B, Radio Relay Set, were used for alternate channels to provide backup and flexibility. These sets were widely dispersed for tactical security. Both radio relays are very reliable and provide loud and clear telephone circuits. However, both the AN/MRC-62 and the AN/TRC-27 are plagued by extremely unreliable and trouble prone power units. The AN/MRC-62 uses the PE-75 Gasoline Generator and the AN/TRC-27 uses the PU-278 Gasoline Generator. These generators are all old and require an excessive amount of maintenance. Repair parts for both have been unavailable.

(3) One AN/MRC-62 which provided channels to the Third Marine Division was secured from operation and deployed with the 4th Marine Regiment on 20 December 1966. This link provided three vitally needed common user channels, one COC channel, and a teletypewriter channel. This reduced the capability of connecting calls to the Third Marine Division at the switchboard resulting in extreme difficulty in getting a line straight to Division as the lines are continually busy. The COC lines to Division were reduced to one and a simplex teletypewriter circuit was lost. All backup and flexability was lost because all circuits now go to Division over the AN/TRC-97. Prior to 20 December 1966, the circuits were divided between two items of equipment. This link will be replaced as soon as possible.

d. Radio

(1) Initially all radios were operated within the Command Post. An antenna site was selected outside the main CP area and located within 9th Motor Transport Battalion area for tactical security. All FM (PRC-25) nets and the HF nets were located at this site and remoted to the COC, a distance of approximately one mile. This site is manned by a four man crew.

(2) A covered voice net was established with the Division (Forward), Third Marine Regiment, Fourth Marine Regiment, and the Twelfth Marine Regiment as stations on the net. First Battalion, Third Marines has also established a station on this net, however, it is necessary to relay via Third Marine Regiment when using covered mode. The KY-8 Cipher equipment in conjunction with an RT-524/MRC-110 was used for this net.

(3) A station was activated at the Division (Forward) to Division on the Division Tactical #2 net for covered voice communication also using KY-8 cipher equipment and an RT-524/MRC-110 radio.

(4) Several units have not drawn numeral Code and Authentication publications until after they arrived at Dong Ha area and discovered that they were needed and not available. Individual unit RPS officers must draw these publications and provide them to elements located at Dong Ha. The Communication Detachment does not have the facilities nor the authority to draw and reissue these publications to these units.

(5) An AN/TSC-15 Radio Set is available for back-up teletypewriter and telephone communications to the Third Marine Division. However, it is not operable because of lack of 400 cycle power. A PU-344 generator was initially provided, but it was deadlined and evacuated to Division Communication Company on 29 December 1966. No replacement is available.

(6) The "Rockpile" has been used for an FM manual retransmission station between Dong Ha and areas that were not effectively reached with the AN/PRC-25 Radio Set. These areas include Khe Sanh and the valleys behind the Rockpile which are masked for FM communications from Dong Ha . The Khe Sanh relay was deactivated in October when an RT-524/MRC-110 Radio net became available and was employed direct to the Khe Sanh area. However, relays were maintained on the Rockpile for positive radio contact with Recon units.

(7) Frequency Problems

(a) Frequency conflicts and interference have been frequent and many. These conflicts have been caused by units being assigned a particular frequency cleared for use in another area prior to deployment to the Prairie area, then, attempting to use the frequency in the Prairie area causing interference.

(b) AN/PRC-25 frequencies in use in the same area must have at least 0.1 megacycles separation or they will overlap and cause mutual interference, e.g., frequencies 30.05 31.00 are too close and one will interfere with the other.

(c) This frequency spread must be applied to all allied frequencies used in the area. Interference has been experienced from ARVN forces as well as Marine Units.

11. There were no hostile casualties to Communication Personnel or equipment during this period.

12. Administrative Matters. Administration, Supply, and maintenance have been major problems for this unit. The Communication Detachment is organized with personnel and equipment from three separate organizations, none of which are in the Dong Ha area. There is no T/O or T/E prescribed for this detachment.

a. Administration:

(1) Personnel havebeen sent to this Detachment for duty with:

(a) No orders other than verbal.
(b) Orders to the "Dong Ha Area for duty in connection with Communication Matters".
(c) Orders to the "Dong Ha Area for duty in connection with Administrative Matters".
(d) Orders to Hq, 4th Marine Regiment.
(e) Orders to Sub Unit #1, Headquarters Battalion, 3d Marine Division.

(2) All personnel ordered to this Detachment should have orders to Sub Unit #2, Headquarters Battalion, 3d Marine Division, for duty with the Division (Forward) Communication Detachment.

b. Supply:

(1) Supply channels for this unit are nebulous at best. Although Sub-Unit #2 has established a Supply Unit and this Detachment has been making use of this unit, the Communication Detachment has not been officially assigned to Sub-Unit #2.

(2) Supplies received have been limited to consumable type Communication Center supplies. The lead time is about three months due to lack of established usage data and previous supply demands. No repair parts have been received to date which severely limits the maintenance and repair effort.

(3) Supply support from the three parent units of the detachment is unsatisfactory because of time, distance, and transportation problems.

c. Maintenance:

(1) This unit has sufficient communication equipment technicians for first and second echelon maintenance. However, test equipment on hand and parts available limit the maintenance capability of this Detahhment to first and second echelon preventive maintenance and minor repairs. FLSU-1 will not accept equipment for third echelon maintenance until second echelon maintenance is completed. This results in items being evacuated to Communication Company, 3d Marine Division for second echelon maintenance.

(2) No engineer equipment mechanic, MOS 1341, is available to this Detachment, consequently, the Detachment is not capable of second echelon maintenance on engine generators. This Detachment has three PU-482: one PU-344: one PU-346; two PU-278 and four PE-75 generators on hand. Again, the second echelon maintenance must be performed prior to acceptance by FLSU-1.

(3) FLSU-1 has no electronic maintenance capability and evacuates items received to FLSG-A. This results in unacceptable time delays before return of the items.

(4) Motor Transport maintenance including second and third echelon preventive and corrective maintenance is extremely difficult to accomplish. Sub-Unit #2 has established a Motor Transport Pool with two mechanics, one tool box and one grease gun. No repair parts or consumable supplies are available. This Motor Pool cannot maintain the Communications vehicles with these assets. The Communication Detachment has 22 vehicles requiring motor transport maintenance support.

13. New equipment in use by the Division (Forward) Communications Detachment include the AN/TRC-97 Radio Set and the KY-8 Cipher equipment.

a. The AN/TRC-97 has proven to be a reliable, relatively maintenance free radio set. Theonly operating problem with this equipment is discussed in par 10.c(1) above.

b. The KY-8 Cipher equipment is a valuable asset to an operational command. However, there have been quite a few maintenance problems with the KY-8 which appear to be caused by overheating. The equipment cannot be continuously operated so that all radio transmissions are secure. It has been necessary to operate the equipment only when a classified conversation is desired. The equipment was operated in this manner to prevent overheating. Also an operational deficiency is involved caused by a reduction in power when operating in the Cipher mode. The operating range of the RT-524/MRC-110 is reduced when in Cipher mode compared to the same radio operating in the plain mode.

14. Not applicable.

15. Recommendations

a. That a firm T/O and T/E for an alternate (Forward or Rear) Division Command Post Communications Unit be established patterned after a Communication Support Company.

b. That a Letter of Instruction be published assigning a mission and tasks to this Detachment. Supporting units should be directed to provide necessary support as required by this Detachment.

c. That the Communication Detachment be formed completely from the Communications Battalion and constituted as an official detachment with administrative capability. The OinC should have NJP authority.

d. That FLSU-1 be provided the capability to perform third echelon repairs to electronics equipment. This would require assignment of a AN/GRM-32 SSB Maintenance Van; a AN/GRN-38 Ground Radio Maintenance Van; and a AN/GRM-48 Parts Van to FLSU-1 Maintenance Section. Technicians are already available.

R. W. SLOAN

#3

HEADQUARTERS
III Marine Amphibious Force and Naval Component Command
Military Assistance Command, Vietnam
c/o FPO San Francisco
California 96601

IIMCB/DIH/glb
8 Sep 1965

LIMDIS

From: Communication-Electronics Officer
To: Naval Officer

Subj: Staff Breaks - Communication-Electronics, III Marine Amphibious Force, Vietnam

Ref: (a) Staff Memorandum 3-65 dtd 26 Aug 1965

Encl: (1) Subject Breaks

1. In accordance to reference (a), enclosure (1) is provided in order to familiarize the incoming Force Chief of Staff, Colonel George ANGELL, with the III Marine Amphibious Force Communications effort in Vietnam.

F. C. DOBSON

Capt Howard
Key updated.
D

#3

CONFIDENTIAL
III Marine Amphibious Force and Naval Component Command
Military Assistance Command, Vietnam
c/o FPO San Francisco
California 96601

IIICB/DTH/glb
8 Sep 1965

CONFIDENTIAL

From: Commanding Communication Officer
To: Personal Officer

Subj: Staff Briefs - Communication-Electronics, III Marine Amphibious Force, Vietnam

Ref: (a) Staff Memorandum 3-65 dtd 26 Aug 1965

Encl: (1) Subject Briefs

1. In reference to reference (a), enclosure (1) is provided in order to familiarize the incoming Force Chief of Staff, Colonel George ANGLE, with the III Marine Amphibious Force Communication-Electronics Officer's in Vietnam.

F. C. POSEY

Capt Hunt —
Key updated.
D

#3

[illegible]
III Marine Amphibious Force and Naval Component Command
Military Assistance Command, Vietnam
c/o FPO San Francisco
California 96601

IICB/DEH/glb
8 Sep 1965

[illegible]

From: Communications-Electronics Officer
To: Personal Officer

Subj: Staff Procis -- Communication-Electronics, III Marine Amphibious Force, Vietnam

Ref: (a) Staff Memorandum 3-65 dtd 26 Aug 1965

Encl: (1) Subject Procis

1. In response to reference (a), enclosure (1) is provided in order to familiarize the Incoming Force Chief of Staff, Colonel George ANGELL, with the III Marine Amphibious Force Communications effort in Vietnam.

F. C. DOBBIN

Capt Hunt
Key Wheeled.

#3

MACJ6[illegible]
III Marine Amphibious Force and Naval Component Command
Military Assistance Command, Vietnam
c/o FPO San Francisco
California 96601

11CB/DEH/glb
8 Sep 1965

[illegible]

From: Communication-Electronics Officer
To: Personal Officer

Subj: Staff Precis -- Communication-Electronics, III Marine Amphibious Force, Vietnam

Ref: (a) Staff Memorandum 3-65 dtd 26 Aug 1965

Encl: (1) Subject Precis

1. In response to reference (a), enclosure (1) is provided in order to familiarize the Prospective Force Chief of Staff, Colonel George ANDELL, with the III Marine Amphibious Force Communications office's in Vietnam.

F. C. DOSCH

Capt Hunt —
Keep updated.

STAFF PAPER

COMMUNICATION - ELECTRONICS

III MARINE AMPHIBIOUS FORCE, VIETNAM

Enclosure (1)

PART I

ORGANIZATION AND MISSION OF THE COMMUNICATION-ELECTRONICS OFFICE, FMF, MCF

A. ORGANIZATION (Continued).

RANK	MOS	BILLET DESCRIPTION
Colonel	9906	Force Comm-Elec Officer
Lt. Colonel	2502	Asst Comm-Elec Officer
Major	6602	Avionics Officer #
Major	2003	Communication Engineer #
Captain	2305	Frequency Coordinator Telecommunications Maintenance Officer $
Captain	9012	Asst Comm-Elec Officer, Operations
Captain	2502	Asst Comm-Elec Officer, Plans and Orders
MSgt	2529	Force Comm-Elec Chief
MSgt	2539	Asst Comm-Elec Chief
CySgt	2561	Cryptographer #
CySgt	2361	Radio Technician #
Sgt	0141	Administrative Man
Cpl	1411	Draftsman #
LCpl	0141	Administrative Man
LCpl	0141	Administrative Man

Present unfilled billets $ Billet filled by Lt. 2502

B. Mission. The Communication-Electronics Office provides the requisite technically qualified personnel to be responsive to the Commanding General and Staff on all Communication-Electronic matters of the Marine Amphibious Force. General duties and tasks performed by the billets include.

advise the Commanding General and Staff on all Comm-Elec matters.

(2) Determine the external and internal communication requirements of the Marine Amphibious Force.

(3) Develope the requisite communication system to satisfy command and control requirements.

(4) Maintain liaison and coordinate all communication-electronic matters with senior, subordinate and adjacent units.

(5) Evaluate intelligence and prepare communication estimates for specific situations.

(6) Collect, evaluate and prepare reports on foreign and domestic equipment.

(7) Establish a frequency management plan.

(8) Determine adequacy of maintenance program.

(9) Determine adequacy of comm-elec supply support.

PART II

COMMUNICATION UNITS IN SUPPORT OF THE

AMPHIBIOUS FORCE HEADQUARTERS

A. COMMUNICATION SUPPORT CO., III. MAF. The Communication Support Company, MAF is presently comprised of 11 officers and 249 enlisted personnel. Included in these personnel figures are 5 officers and 106 enlisted men that were recently transferred from the Communication Company, Seventh Communication Battalion, FMF. The Company is functionally organized as follows:

(1) Company Headquarters - Includes an Administration and Operation Section.

(2) Communication Center Platoon

(3) Radio Platoon

(4) Radio-Relay Platoon

(5) Wire Platoon

(6) Supply/Service Platoon

The Company is currently providing communication support to the Marine Amphibious Force Headquarters in the following major areas.

(1) Responsible for the operation of the combined III Marine Amphibious Force/3d Marine Division Communication Center.

(2) Installation and maintenance of the wire/radio relay system - - this includes operation of the Marine Amphibious Force switchboard, adequate local telephone service, trunk lines to subordinate units, and radio relay links to the 9th Marine Regiment, 12th Marine Regiment, 3rd Recon Battalion, and the Provisional Naval Component Command Support Activity. It should be noted that the radio relay links to the three Division units, i.e., the 9th Marines, 12th Marines and the 3d Recon Battalion, are provided to assist the Communication Company, Headquarters Battalion, 3d Marine Division, in the operation of the Division radio relay system.

(3) Maintaining appropriate radio equipment to be activated on an overload basis or during emergencies ---the planned radio system is presently in a standby status as wire/radio relay are the primary means of communications within the Force.

B. COMMUNICATION COMPANY, 7TH COMMUNICATION BATTALION, FMF. The Communication Company, 7th Communication Battalion, was transferred from its parent unit in California to MCAF,C (Okinawa) in June 1965. The Company was requested in

anticipation of the channel communication requirements to support the Force Headquarters in Vietnam. Presently, approximately 40% of the Company personnel are in Danang. These personnel have been transferred to the Communication Support Company, MTF, and are required to effectively support the expanding communication system. The remainder of the Company (7 Officer and 169 Enlisted) is presently on Okinawa and is being placed into Vietnam by increments based on the availability of billeting, real estate, and the present rate of expansion of the overall communication system. The structure of the Company is essentially the same as Communication Support Company, MTF, with the exception that it does not have an organic supply account.

PART III

COMMUNICATION SYSTEMS AND FUNCTIONS

A. GENERAL. The internal Force communication effort is supported by three communication systems, i.e., the system between the Force Headquarters and its major commands, the system between the 3rd Marine Division and subordinate ground units, and the system between the 1st Marine Aircraft Wing and subordinate aviation units. Due to the wide separation of Force units within a three enclave configuration, the communication systems maintained by the Force Headquarters, the Division, and the Wing, are largely parallel and complimentary.

In addition to the internal communication effort, the Force has the responsibility for operating and maintaining terminal facilities for entry into the DCS General Purpose System. The transmission medium for this entry is presently provided by in-country resources operated and maintained by U. S. Army and U. S. Air Force units.

B. PRESENT INSTALLATIONS.

(1) COMMUNICATION CENTERS. Presently, all commands down to and including the Battalion level are operating communication centers on a twenty-four hour a day basis. However, the requirement for on-line covered teletype exists only between the Infantry Regiments, the Force Logistic Support Group, and the combined III Marine Amphibious Force/3rd Marine Division Communication Center, and between the Air Groups and the 1st Marine Aircraft Wing Communication Center. There are two exceptions to the above: the 3rd Marine Regiment (Danang) is linked to the 3rd Battalion Fourth Marines (Phu Bai) by teletype, the 2nd Battalion, Seventh Marines (Cua Viet) is linked to Task Force Alfa by teletype.

The combined III Marine Amphibious Force/3rd Marine Division Communication Center is the primary installation serving the entire Amphibious Force in Vietnam which includes all supporting Naval activities in addition to Marine units. The Communication Center is the focal point for all Force message traffic passed to or from external commands via the DCS General Purpose System. During the month of July 1965, the Center processed in excess of fifty-five thousand electrical transmissions in support of combined external and local delivery requirements. The following covered teletype circuits are presently maintained:

EXTERNAL (DCS)

Two circuits via the "Dash Porch" tropospheric system thence via, "Network" undersea cable to the major relay station---HAWAII.

One circuit via the "Dash Porch" tropospheric system to the Army major relay station in Nha Trang---SAIGON.

INTERNAL CIRCUITS

One circuit via land line to the Force Logistic Support Group (Danang Complex).

One circuit via land line to the 1st Marine Aircraft Wing (Danang Complex).

One circuit via land line to the 3rd Marine Regiment (Danang Complex).

One circuit via Radio Relay to the 4th Marine Regiment (Chu Lai).

One circuit via Radio Relay to the 7th Marine Regiment (Chu Lai).

One circuit via Radio Relay to the 9th Marine Regiment (Danang Complex).

The 1st Marine Aircraft Wing Communication Center is a tributary station served by the III Marine Amphibious Force/3rd Marine Division Communication Center. The Wing Center effects delivery of message traffic to local Groups/Squadrons by messenger and/or local covered teletype, and delivery to the two Air Groups located at Chu Lai by covered teletype via radio relay. All "external" Wing Traffic, incoming and outgoing, must pass through the III Marine Amphibious Force/3rd Marine Division Communication Center.

The Navy and Marine units located within the Danang complex that have no teletype capability receive their message traffic via messenger----those units are required to make two daily scheduled runs to the Marine Amphibious Force Communication Center----immediate and flash traffic pick-up as required.

2. RADIO RELAY AND DCS TROPOSCATTER. The primary means of telecommunication between the three enclaves of Danang, Phu Bai, and Chu Lai, are the radio relay links operated and maintained by Force units, and the in-country tropescatter provided by the Defense Communication System. The following links presently are installed: (Note----all Marine Corps links are provided by the Four Channel Radio Relay Set AN/MRC-68).

DANANG TO CHU LAI.

3rd Marine Division to 4th Marine Regiment----four channels.

3rd Marine Division to 7th Marine Regiment----four channels.

1st Marine Aircraft Wing to MAG-12----four channels.

1st Marine Aircraft Wing to MAG-36----four channels.

1st Marine Aircraft Wing to MACS-9----four channels.

Division/Wing to Regiment/Group (combined general purpose)----twelve channels provided by U. S. Army, AN/TRC-30.

DANANG TO PHU BAI.

3rd Marine Division (operated by 3rd Marines) to 3rd Battalion, 4th Marines---four channels.

1st Marine Aircraft Wing to Det MACS-9 ------four channels.

FLSG to FLSU #2 ------one AUTODIN channel provided for Force use by twelve channel U. S. Army AN/MRC-24.

The Marine Corps four channel AN/MRC-62 and eight channel AN/TRC-27 are employed within the Danang complex as a means of communications between widely separated units. The following links presently exists:

Radio Relay Set AN/MRC-62.

III Marine Amphibious Force.

One (1) link to the Provisional Naval Component Command Support Activity.

3rd Marine Division.

One (1) link to the 12th Marine Regiment.

Two (2) links to the 9th Marine Regiment.

One (1) link to the 3rd Recon Battalion.

Radio Relay Set AN/TRC-27.

III Marine Amphibious Force.

One (1) link to the Provisional Naval Component Command Support Activity.

3rd Marine Division.

One (1) link to the 3rd Marine Regiment.

1st Marine Aircraft Wing.

One (1) link to MAG-11.

One (1) link to MAG-16.

One (1) link to Monkey Mountain interconnected to AN/MRC-62 shot to Phu Bai.

3. RADIO FACILITIES. Radio communications at the major command level are normally a secondary means of communications with the exception of those nets that are peculiar to functional command and control activities. The Force Headquarters has an adequate Voice/CW/Data capability in standby status which will be activated when emergencies occur or for use on overload basis paralleling the wire/radio relay system.

The 3rd Marine Division Headquarters is presently employing the following radio nets:

Division Tactical /1	Tactical Air Traffic Control
Division Intercommunication	Naval Gun Fire Support

Sector Control/Harbor Defense

Tactical Air Request

Tactical Air Direction

Naval Gun Fire Spot (As Required)

Artillery Fire Direction

Artillery Conduct of Fire (As Required)

The 1st Marine Aircraft Wing Headquarters is presently employing the following radio nets:

Tactical Air Request

Tactical Air Interdiction

Tactical Air Traffic Control

Helicopter Direction

C. FUTURE REQUIREMENTS. The ever increasing message traffic volume and the limited telephone and multi-channel facilities are perhaps the best indication of an overburdened communication system which should be expanded to meet the requirements for effective command and control.

This problem may become more acute in the immediate future in view of the proposed deployment of fifteen-thousand more Marines to Vietnam.

One of the principal projects is to establish separate communication centers for each major headquarters, i.e., III Marine Amphibious Force, 3rd Marine Division, 1st Marine Aircraft Wing, and Naval Support Activities, Danang, with all centers having separate entry into the DCS General Purpose System. When this is accomplished, the present "bottleneck" (all traffic flowing through the combined III Marine Amphibious Force/3rd Marine Division Communication Center) will be eliminated and the message backlog problems should be eliminated. Plans have been made for these separate communication centers and are being held in abeyance pending the arrival of fixed plant communication center equipment and the relocation of Command Posts.

An additional requirement is to expand the multi-channel communication facilities between the three enclaves. Commander, U. S. Military Assistance Command, Vietnam has provided interim relief by supporting many of our internal requirements, i. e., tasking the appropriate subordinate component to provide facilities for Marine Force use. An example of this support is the U. S. Army tropospcatter system presently operating between Danang and Chu Lai, and the system operating between Danang Phu Bai. The multi-channel radio problem is discussed in detail in Tab (e) (Tropospheric scatter terminal AN/TRC-97) to this enclosure.

Secure voice telephone service is presently non-existent within the Amphibious Force. Without this service, it is necessary to transmit all classified information to major Pacific commands via on-line teletype or courier service. Firm plans have been made to provide secure voice telephone service to III Marine Amphibious Force within the "secure voice system for Southeast Asia". This system ties in all major commands in Southeast Asia plus Commanding General, Fleet Marine Force, Pacific, Commander in Chief, Pacific Fleet, JCS, and others. One telephone line has been allocated to the Commanding General, III Marine Amphibious Force --the target date for installation is 1 November 1965.

PART IV

EXISTING PROBLEM AREAS

A. LIMITED COMMUNICATIONS CENTER FACILITIES. Previously discussed in paragraph C, (Future Requirements) to Part III, (Communication Systems and Functions).

B. LIMITED MULTI-CHANNEL RADIO FACILITIES. Previously discussed in paragraph C, (Future Requirements) to Part III, (Communication Systems and Functions). See Tab (A) (Tropospheric Scatter Terminal AN/TRC-97) to this enclosure.

C. RADIO FREQUENCY INTERFERENCE. With the increase of U. S. Forces in Vietnam, the radio frequency interference problem is becoming more acute daily. Particular areas of difficulty are the high frequency (HF) and very high frequency (VHF) bands.

In the HF band, the problem lies in the number of HF frequencies authorized for use by U. S. Forces in Vietnam ---the number authorized is considered totally inadequate as many of the frequencies are used jointly causing widespread interference.

The VHF band problem has affected the use of AN/PRC-9 and AN/PRC-10 radios, especially in the Danang and Chu Lai areas where there are large concentrations of units. The Army, Republic of Vietnam has units operating in the two areas and is presently using more than half of the available frequencies in the PRC-9/10 spectrum---the U. S. Forces are using the remainder. Frequent violation of frequency usage have occured causing numerous reports of interference. It is anticipated that the VHF band problem will be partially eliminated with the introduction of the PRC-25 which operates over a much wider frequency range within the VHF spectrum than the two aforementioned radio sets.

D. JAMMING, DECEPTIVE RETRANSMISSION, AND INTERCEPTION. The subject problems are presently considered to be minor in nature. The enemy has the capability to jam our radio transmission but no confirmed reports of this activity have been received. Several reports have been made, however in most cases these have proved to be Army, Republic of Vietnam on our frequencies. No reports of initiative deception have been made by U. S. Forces in this area, however the enemy has effectively intercepted many of the Army, Republic of Vietnam transmissions and used them to their advantage.

E. AUTODIN (AUTOMATIC DIGITAL NETWORK) FACILITIES. See Tab (B) (AUTODIN Facts Summary) to this enclosure.

PART V

ANTICIPATED PROBLEM AREAS

A. RELOCATION OF 3RD MARINE DIVISION COMMAND POST. The command post of the 3d Marine Division Headquarters is scheduled to be relocated during the month of September 1965 to an area approximately six miles NW of its present location within the Danang TAOR. During the displacement of the command post, an urgent requirement to maintain continuity of communications will exist. Three specific functions are of prime concern; the installation of a communication center capable of supporting the message traffic requirements of the Division Headquarters---a portion of this functional problem will be eliminated pending the arrival of fixed plant equipment; the installation of a wire system between the Division and Marine Amphibious Force Headquarters---this includes the requirement for telephone poles, cable, and wire; effective relocation of radio relay installations to maintain communication with subordinate Division units.

B. RELOCATION OF III MARINE AMPHIBIOUS FORCE HEADQUARTERS TO DANANG EAST. Communication problems associated with the planned move to Danang East fall in two categories; external communication requirements and internal communication requirements. Specific problems are as follows:

(1) Locating in Danang East removes the III Marine Amphibious Force from ready access to the long-haul transmission system, i.e., the Danang terminal of the long-haul system operated by the U. S. Army, and from the telephone exchange operated by the U. S. Air Force which in turn is interconnected to the long-haul transmission system. There are currently no Army or Air Force facilities in the Danang East area which would be capable of providing the Marine Amphibious Force Headquarters with the basic requirements of com cnt and control communications to the outside world. Discussion with the Detachment Commander of the Air Force Communication Squadron, Danang, indicated that he has programmed a satellite telephone exchange for the Danang East area which will accomodate the Marine Amphibious Force, Wing, and other Naval Support Activity requirements. However, these facilities are not expected to be ready until March 1966. Additionally, locating in Danang East creates a requirement for a minimum of trunking between the Marine Amphibious Force Headquarters and the Headquarters of the Division, Wing, Force Logistic Support Group, Force Engineer Group, and Provisional Naval Component Command Support Activity to provide adequate voice and teletype service. These requirements have been computed to a minimum of fifty trunks. These trunks would provide switchboard to switchboard service, direct line service, and teletype service. Currently there are no existing resources traversing the river, however the U. S. Air Force has made firm plans to install a two-hundred pair cable from its terminal facilities located on the present airfield to a "down town" area adjacent to the Nirvana Wash bank (nearest crossing point), thence submerged and extended to the East bank where it will be split---one-hundred pair extended North to serve the Monkey Mountain area and the other one-hundred pair extended South to serve the new Danang East airfield complex. This cable installation is expected to be completed by December 1965. As an interim measures, the U. S. Air Force has been tasked to provide a twenty-four channel radio relay system between the new East airfield complex and the present air field.

(2) Of equal importance is the requirement for adequate teletype entry into the long haul system. This problem has been discussed with MACV-J6 and it was indicated that MACV may provide terminal facilities at the Marine Amphibious Force Headquarters which will interconnect to the Danang long haul transmission terminal. A formal statement of these requirements is being prepared for submission to MACV-J6.

(3) Adequate real estate must also be provided for the positioning of radio and radio relay facilities supporting the Marine Amphibious Force Headquarters. A minimum of five acres is considered sufficient to properly employ these communication means. In addition, requirements also exist for the location of classified communication spaces (e.g., communication center, and special security operations) and semi permanent shelters to house the communication-electronics repair and maintenance facilities of the supporting communication unit. A detailed list of these requirements has been prepared and submitted to the Assistant Chief of Staff G-4.

TROPOSPHERIC SCATTER TERMINAL AN/TRC-97

1. Facts.

During a recent visit to this Headquarters by members of a joint services communication facilities surveillance team, Captain William MURPHY, the USMC representative, informed this Headquarters of the introduction of the Tropospheric Scatter Terminal AN/TRC-97 into the Marine Corps supply system about January 1966.

The Marine Corps is procuring the AN/TRC-97 in the basic twelve channel voice/sixteen channel teletype configuration. However, the voice channel capacity can be expanded to twenty-four at a cost of two-hundred dollars for each additional channel.

2. Discussion. The current multi-channel radio communication requirements between Danang and the key enclaves of Chu Lai and Phu Bai, and within the Danang complex, far exceed the operational limitations of the organic four channel radio relay equipment presently employed within the III Marine Amphibious Force. These requirements include all command/functional and general purpose communication channels between the major command posts, i.e., Headquarters, III Marine Amphibious Force, Headquarters, 1stMarDiv, and Headquarters, First Marine Aircraft Wing, extending down to all major subordinate units. As the size of the Marine forces increase in the I Corps sector and the internal communication system is expanded to meet the requirement of command and control, we will further exceed our own capability to provide effective multi-channel radio communications.

At present, external multi-channel long haul requirements are presently being met by host-country DCS assets. In addition, COMUSMACV has supported many of our internal requirements by tasking the appropriate subordinate command to provide services to meet our requirements. This has provided interim relief to the current problem. For example, the U. S. Army has provided a twelve channel Tropospheric Scatter System, the AN/TRC-97 which is presently operating between Danang and Chu Lai. The twelve available channels are utilized by the 1stMarDiv and the First Marine Aircraft Wing to satisfy a portion of their command and control requirements. The reliability of this AN/TRC-97 system leaves much to be desired. The U. S. Army has been further tasked to install another twelve channel system, the AN/TRC-24, between Chu Lai and Quang Ngai with an intermediate feed back to Danang via the twenty-four channel AN/TRC-97. This additional system should provide further interim relief to our multi-channel communication problem.

In accordance with the above, we will continue to ask COMUSMACV's assistance for support of our internal requirements until we are self sufficient. We will also support MACV assistance to support internal requirements that are justified as "external" such as air defense communications between the First Marine Aircraft Wing and the Second Air Division.

It must be recognized however, that the bulk of our multi-channel radio requirements is currently and will continue to be purely internal in nature and that we are primarily interested in satisfying our own multi-channel requirements in the most efficient and economical manner from the standpoint of circuit reliability, operating personnel, and equipment maintenance. Current issues of four channel Radio Relay sets AN/TRC-62, available within the Marine Amphibious Force, mathematically satisfy the total multi-channel radio requirements for the present and immediate future. However, due to restrictions imposed by terrain and distances, line-of-sight parameters, and frequency interference, this organic equipment will not satisfy these requirements in their entirety. The Tropospheric Scatter Terminal AN/TRC-97, when employed in the Tropospheric mode, is not limited to line-of-sight and will permit communication up to distances of one-hundred miles. This capability exceeds that of the AN/TRC-62 by sixty miles without considering the use of relay equipment at interim points between the using activities. Frequency interference problems would also be negligible as the AN/TRC-97 operates in the unplattened SHF band. Additionally, the AN/TRC-97, in the basic twelve channel voice/sixteen channel teletype configuration could satisfy the requirements normally met by three AN/TRC-62's. In the twenty-four channel voice configuration the AN/TRC-97 could take the place of six AN/TRC-62's. It is felt that the reduction in operational personnel and maintenance requirements would be proportionate to the equipment ratios described above.

3. Recommendations. In view of the aforementioned, it is recommended that the Tropospheric Scatter Terminal AN/TRC-97 be provided to the III Marine Amphibious Force immediately after introduction into the Marine Corps supply system with distribution and quantities as follows:

A. Two sets, Communication Support Company, FMF

B. Six sets, Communication Company, Headquarters Battalion, Marine Division.

C. Eight sets, Headquarters and Headquarters Squadron, Marine Wing Headquarters Group, Marine Aircraft Wing.

The above quantities represent the requirements that could be satisfied by the employment of the basic AN/TRC-97 configuration, i.e., twelve channel voice/sixteen channel teletype configuration. In the interest of operational economy, these quantities of individual terminals could be reduced appreciably if they were provided in the twenty-four channel voice/sixteen channel teletype configuration.

Adequate spare parts support must accompany the introduction of the equipment and contract instruction hours must also be provided in order to ensure proper installation and operating techniques and the establishment of an effective maintenance/repair program.

4. Decisions required by HQ for implementation.

A. Approval of the basic premise that the Tropospheric Scatter Terminal equipment, AN/TRC-97, be delivered to the III Marine Amphibious Force in Vietnam immediately upon introduction to the Marine Corps supply system.

B. Approval of the recommended quantities as part of the T/E for these communication units listed.

C. Approval of the recommendation that contract instruction teams accompany the equipment to Vietnam.

AUTODIN FACTS SUMMARY

1. FACTS.

a. A requirement exists to provide communication channels for AUTODIN between Danang, Chu Lai, and Phu Bai.

b. Communication channels from Danang to Chu Lai (Z250) and Phu Bai (Z259) have been provided by COMUSMACV over in-country troposcatter system.

c. Wire lines from FLSG AUTODIN terminal to troposcatter sites at Danang have been provided for the Chu Lai and Phu Bai circuits.

d. Wire lines from Chu Lai and Phu Bai troposcatter sites have been installed to the respective AUTODIN transceivers at FLSG-1 and FLSG-2.

e. Chu Lai AUTODIN circuit (Z258) is not activated and is not transceiving data.

f. Communication control, AN/TSC-15, operated by Marine units, is presently providing the AUTODIN transmission path between Danang and Chu Lai.

g. Phu Bai AUTODIN circuit (Z259) is activated, but is not transceiving data.

h. Existing AUTODIN transceivers for employment between Danang and Phu Bai are not compatible with the available means of transmission.

2. DISCUSSION.

a. III Marine Amphibious Force Communication-Electronics Officer requested in-country AUTODIN circuits from COMUSMACV by letter 10/FCD/glb ser: 0012065 of 13 August 1965. These circuits requests included:

(1) One 60 ma AUTODIN Danang to Chu Lai.

(2) One 60 ma AUTODIN Danang to Phu Bai.

(3) One 60 ma AUTODIN Chu Lai to 22 TSS, Okinawa.

(4) One 60 ma AUTODIN Danang to Phu Lam (SEAsia AUTODIN system).

b. Danang to Chu Lai circuit was ordered activated by 2nd Signal Group circuit order 276-65 of 17 June 1965. Danang to Phu Bai circuit was ordered by the same command on circuit order 294-65 of 29 June 1965.

(1) The Chu Lai circuit was placed over an AN/TRC-80 troposcatter equipment. To date the communication path is unusable.

(2) The Phu Bai circuit was placed over an AN/TRC-24 troposcatter system. This path was considered usable until this date. See sub-paragraph 2.c. below.

(3) DCA, PAC message 172330Z Aug 1965 to DCA Saigon stated circuits 2253 and 3255 had not been activated and requested DCA Saigon provide immediate technical assistance to resolve circuit problems.

(4) DCA Saigon message 201146Z August 1965 to this command requested information to help resolve the AUTODIN circuit problems.

(5) CG III MAF message 2502422 August 1965 replied to DCA Saigon reporting AUTODIN equipment difficulties and indicating action taken by this command to rectify the problem encountered. It further requested technical assistance in establishing AUTODIN circuits.

c. On 26 August 1965, Colonel MULLER, USA, MACV J6 visited Headquarters III Marine Amphibious Force. He observed AUTODIN and troposcatter installations. The results of his findings are that he considers neither the TRC-80 nor the TRC-24 suitable communication paths for AUTODIN data link as they are presently operating.

3. Recommendations.

a. That suitable troposcatter or radio links be established between III Marine Amphibious Force AUTODIN installations.

b. That appropriate circuit terminal equipment be provided at each AUTODIN transceiver van to convert 60 ma data signals to voice frequency for transmission over land lines to troposcatter or radio relay links.

c. That AUTODIN contact instruction teams be assigned each command using AUTODIN transceiving equipment.

4. Decisions required by higher authority.

a. Approval of the recommendation that more reliable troposcatter or radio relay communication circuits be provided at Danang, Chu Lai and Phu Bai to serve AUTODIN requirements.

b. Approval of the recommendation that 60 ma voice frequency conversion equipment be provided at each transceiver site.

c. Approval of the recommendation that AUTODIN contact instruction teams be assigned to each command using AUTODIN transceiving equipment.

HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
FPO San Francisco 96602

1041:lrt
5200
6 Jan 1969

MEMORANDUM

From: Assistant Chief of Staff, G-6
To: Assistant Chief of Staff, G-3

Subj: Command Chronology for December 1968

Ref: (a) MgO 5750.1

Encl: (1) Paragraph 10, Communications

1. In accordance with reference (a), enclosure (1) is submitted herewith.

B. E. HORNER

Blind Copy to:
CMC (ACMC)
CG FMFPAC

10. COMMUNICATIONS

a. Message volume through the III MAF Communication Center

	November	December	Increase	Decrease
Incoming	38,400	35,997		2,403
Outgoing	20,046	20,882	836	
Total	58,446	56,879		1,567

b. Combat Operations Center Communication Center traffic

	November	December	Increase
Incoming	5,643	6,454	811
Outgoing	9,395	10,247	852
Total	15,038	16,701	1663

c. Headquarters, III MAF message traffic originated

November	3,870
December	4,080
Increase	210

d. The average daily subscriber initiated call rate through the III MAF AN/TTC-28 was 9200 calls. This figure does not include an estimated average of 2000 operator processed trunk calls for which no accurate count is available due to capability of equipment.

e. Battlefield Surveillance Radar School operational and administrative control passed from III MAF to 1st MarDiv on 15 December 1968.

(1) During the reporting period, the III MAF operated school graduated 5 student operators and conducted a special, one-week class for 5 student operators.

(2) While operated by III MAF, the school trained a total of 301 personnel and calibrated 269 Radar Sets, AN/PPS-6.

f. Colonel MATTHEWS, Assistant Commander, 1st Signal Brigade, visited Colonel HORNER, G-6 on 2 December 1968.

g. LtCol DAVIS visited CEO, 3dMarDiv on 3 December 1968.

h. LtCol DAVIS visited 1st Log Cmd on 4 December 1968.

i. LtCol DAVIS and Major CONNELL visited the Crypto Repair Facility project under construction at NSA DaNang (See Anchor) on 5 December 1968.

j. LtCol DAVIS made a liaison visit to K-5, NSA DaNang on 7 December.

k. Major CONNELL made a liaison visit to ForLogCond (CCP) on 7 December.

l. Colonel BURNS, Dir, Ops, 1st Signal Bde, Colonel RICHARDSON, C-E, USARV, Colonel CRAWFORD, Ch, CommSysEngtAgency, 1st Signal Bde, and Colonel MORISETT, MACV J-6 visited with G-6 representatives to discuss message relay delays in ICTZ on 9 December.

m. LtCol DAVIS visited Maintenance Bn, ForLogCond and 1st MAW CEO on 10 December.

n. III MAF/Area Coordinator ICTZ Cable Coordinating Committee met at III MAF on 10 December.

o. LtCol DAVIS visited 5th Comm Bn and CEO, 1stMarDiv on 11 December.

p. LtCol DAVIS made staff visits to 1st Log Cond(Maint) and 5th Comm Bn on 12 December.

q. Colonel TABOR, Dep ACofS, G-3, USARV, met with III MAF G-6 representatives to discuss Advisor/CORDS communications in ICTZ on 12 December.

r. Major CONNELL, Asst Maint Officer, III MAF G-6, transferred to CONUS on emergency leave/PCS on 14 December.

s. LtCol DAVIS made a staff visit to CEO, 1stMarDiv on 16 December.

t. Lt KROUSLIS, ICTZ Telephone Maintenance Officer, was killed in an aircraft accident near Chu Lai on 17 December.

u. Colonel HORNER briefed BGen DOOLEY, prospective Chief of Staff, III MAF, on 17 December.

v. LtCol DAVIS made a staff visit to ForLogCond on 19 December.

w. AUTOSEVOCOM Terminals at III MAF Hq became fully operational on 27 December.

x. BGen RIENZI, Dep CG, 1st Signal Bde, visited Colonel HORNER on 28 December.

y. 1stLt SHULGAY attended a MACV J-3 briefing to discuss communication requirements for POW Release Teams on 30 December.

z. LtCol DAVIS made a liaison visit to 5th Comm Bn on 31 December.

HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
c/o FPO San Francisco, California 96602

10A1/ar
2000
10 Jul 1968

From: Assistant Chief of Staff, G-6
To: Assistant Chief of Staff, G-3

Subj: Command Chronology for the month of June 1968

1. Message traffic through the III Marine Amphibious Force Communication Center during June 1968 revealed a noted decrease.

	May	June	Decrease
Incoming	47, 471	43,897	3, 574
Outgoing	33, 065	29,943	3, 122
Totals	80, 536	73,840	6, 696

2. Command Operations Center Communication Center traffic.

	May	June	Decrease
Incoming	8, 944	6, 890	2, 054
Outgoing	13, 125	10, 312	2, 813
Totals	22, 069	17, 202	4, 867

3. The daily average call rate through the III MAF switchboard was 5, 864 calls. This is a increase of [illegible] calls a day for the month of June 1968.

4. LtCol WILLIAMS participated in a staff liaison visit with FTAE BRASILIA to 3rd MarDiv for coordination of NAVSECEAPAC installation.

5. NAVSECEAPAC installation team completed the permanent installation of communication equipment in the 3rd Marine Division Communication Center.

6. LtCol BADANO rotated to CONUS, duties of G-6 Operations Officer assumed by LtCol WILLIAMS.

1OA1/ar
2000

7. LtCol P. J. FENNELL reported aboard and assumed duties as G-6 Operation Officer designee.

8. LtCol HOLCROFT and Capt CONNELL made electronics maintenance technical assistance visits to units of the 1st Marine Division.

9. LtCol HOLCROFT and Capt WILLIS conducted a staff visit to the ROKMC Communication-Electronics Office. Visit was primarily concerned with the new switchboard AN/MCC-4 installation within the new ROKMC Command Post.

A. M. CONDES

Blind Copy to:
CMC (AO4C)
CG FMFPAC

HEADQUARTERS
XXX Marine Amphibious Force
Military Assistance Command, Vietnam
c/o FPO San Francisco, California 96602

3QE/mjh
2050
9 May 1968

From: Assistant Chief of Staff, G-6
To: Assistant Chief of Staff, G-3

Subj: Command Chronology for the month of March 1968

1. Message volume through the XXX Marine Amphibious Force Communication Center during March 1968 continued on the increase.

	February	March	Increase
Incoming	45,991	50,563	4,662
Outgoing	32,712	37,396	-3,384
Total	78,623	81,099	3,278

2. General Operations Center Communication Center traffic noted a marked increase.

	February	March	Increase
Incoming	6,337	6,560	223
Outgoing	14,594	14,030	-1,476
Total	20,843	22,590	-1,253

3. The daily average call rate through the III MAF Switchboard was 6016 calls.

4. A 100 word per minute and a 60 word per minute, full duplex, secure teletypewriter circuit was established between Nam Cong 7 and XXX MAF Comm Center and 308 respectively. Additionally, telephone and other auxiliary equipment was installed for the XXX MAF Tactical Air Request Center.

5. Heavy rainfall caused disruption of the AN/TRC-96 AM radio relay in Quang Ha Valley by attenuating communications to the 3rd Marine Division. Alternate communication path provided through ESS MAF AN/TRC-97s, allowing for a partial alternate secured capability.

6. Fiscal Radios participated in the communication planning for operation Pegasus. ESS MAF assets consisting of 4 TRC-97's and 4 TRC-27's were deployed in support of this operation.

7. On 7 March Col Hunt and Capt Connell visited USARV Long Binh to attend the USARV Signal Conference.

8. On 17 March BGen Tompkins, CG SERVICECOMPAC visited ESS MAF Headquarters and was briefed by AC&S G-6. BGen Van Deinsen, CO 1st Signal Brigade visited on 19 March and was also briefed by AC&S G-6.

9. The AC&S G-6 paid staff visits during the month to 3rdMAW, 1stMAW, Hqtrs Bn, FSR, Amphibious Rdy and the ARVN Sig-nal Battalion.

10. Staff visits to FSG "A" and "B" were conducted by Fiscal Colonels and Capt Connell to discuss supply and maintenance matters.

11. On 29 March Col Matthews, Deputy Commander, 1st Sig-nal Brigade, visited ESS MAF and was briefed by AC&S G-6.

S. D. ENG

Blind Copy:
CMC (AO4C)
CG FMF PAC

HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
c/o FPO San Francisco, California 96602

1C3/frjh
2000
5 Feb 63

From: Communication-Electronics Officer
To: Assistant Chief of Staff, G-3

Subj: Command Chronology for the month of January 1963

1. Message volume through the III Marine Amphibious Force Communications Center during January 1963 revealed a general increase.

	December	January	Increase
Incoming	34,926	40,960	6,034
Outgoing	27,594	30,454	2,942
Totals	62,440	72,416	8,976

2. Command Operations Center Communication Center traffic revealed a slight increase during January 1963.

	December	January	Increase
Incoming	5,974	6,324	350
Outgoing	8,521	10,774	2,253
Totals	14,495	17,098	2,603

3. The daily average call rate through the III MAF switchboard was four calls.

4. The Area Coordinator Communication Conference was hosted by III MAF for representatives from all services, USA and I Corps Advisory Group on 23 January 1963.

5. The III MAF Battlefield Surveillance Radar School graduated [illegible] officers and 16 enlisted Marines during January. A grand total of 142 students have been graduated from the school since its [illegible]

6. LtCol J. L. Anderson attended a conference chaired by Southeast Asia Telephone Management Agency on 4 January 1963.

7. On 13-14 January 1963 the Force Communication-Electronics Officer escorted Lt Gen Felton on a tour of I Corps communication facilities. Lt Gen Felton has relieved Lt Gen S. Jones as Assistant Chief of Staff, J-6, Military Assistance Command, Vietnam.

8. On 16-17 January 1963 Lt Gen Van Harlingen, Commanding General, 1st Signal Brigade, visited communication facilities of the I Corps Tactical Zone. The Force Communication-Electronics Officer escorted Lt Gen Van Harlingen while in I Corps Tactical Zone.

9. Maj J. D. Everett visited 8th U. S. Army Headquarters in Korea and 5th Air Force Headquarters at Tan Son Nhut during early January in connection with Project 972 matters.

10. In the III Marine Amphibious Force area the 9th Communication Battalion installed 4,750 feet of 25 pair cable, 4,350 feet of 50 pair cable, 37,770 feet of 100 pair cable, 16,520 feet of messenger and 62 poles.

11. Radio-Relay teams were assigned TAD to the ROKMC Brigade, First Air Cavalry Division and the Third Marine Division.

B. A. FOYLE
By direction

Blind copy to:
CNC (Code A04C)
CG FMF PAC

HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
c/o FPO San Francisco, California 96602

1000/111
2000
3 Nov 1967

From: Communication - Electronics Officer
To: Assistant Chief of Staff, G-3, III Marine Amphibious Force

Subj: Command Chronology for the month of October 1967

1. Message volume through the III Marine Amphibious Force Communication Center during October 1967 showed a slight increase. Traffic totals were:

	September	October	Increase
Incoming	31,925	33,241	1,316
Outgoing	29,373	28,446	927
Totals	61,298	61,787	489

2. Command Operations Center Communication Center traffic showed a large increase during September.

	September	October	Increase
Incoming	5,345	5,951	606
Outgoing	5,577	6,237	636
Totals	10,922	12,259	1,337

3. The daily average call rate through the III MAF switchboard was 5777.

4. The most significant occurrence during October was the acceptance of the III MAF AUTODIN terminal. This circuit is capable of 1200 words or 200 cards per minute operation. It is connected directly to the Army Automatic Digital Network Switching Center.

5. Staff visits were made to all major III MAF [illegible] locations.

6. The Area Coordinator Communication Conference was held at III MAF for representatives from all the services, [illegible] Corps Advisory Group.

7. A monitoring team from the Advanced Research Projects Agency was escorted to Third Marine Division and Amphibious Brigade. Excellent cooperation was received by the team and the team reported having acquired a good deal of valuable data.

8. Colonel LEHAY from Headquarters Marine Corps (AO4C) and Colonel MORNER CNO FMFPAC visited III MAF for discussions in all realms of communications.

9. The enlargement of the III MAF COC communication spaces was completed.

10. The III MAF Battlefield Surveillance Radar School graduated 3 USMC and 5 ARVN officer and 13 USMC and 20 ARVN enlisted and 1 Army officer during October. Two ARVN officers, 20 ARVN enlisted and one USMC officer and one USMC enlisted are presently in training. A demonstration of the PPS-5 and PPS-6 radars was held at III MAF Parade Ground.

11. Air Force installed Dyo Marker Terminals were accepted by III MAF.

12. The Communication-Electronics Office coordinated with MACV J-6 and DCA PAC in communication support for Vietnam visit of the Vice President of the United States.

13. The CEO hosted Cdr BOARES, USAF Representative, Vietnam and Col SCOGGINS, Jr. Special Projects Officer (Dyo Marker) USAECOM Fort Monmouth, N.J.

14. Thirty-two DCS circuits were activated during October and five circuits de-activated. Total DCS circuits for III MAF units now stand at 242.

15. On 31 October, Col HUNT visited Army and Air Force comm sites at Dong Ha, Quang Tri, Quang Tri airfield, Hue and Phu Bai. Also visited were, 1st MarDiv, 3rd MarDiv, 37th Signal Bn, 1972nd Comm Spt, MACS-4, Monkey Mountain IMCS site, DCA Dot and III MAF (Dyo Marker) Radar School. A southern trip to Chu Lai included 7th Comm Bn, Co B, 37th Signal Bn and the Amphibious Division.

S. B. HUNT

Blind Copy to:
CMC (Code AO4C)
CG FMFPAC (Attn: CEO)

34

HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
c/o FPO San Francisco, California 96602

1300/ped
2000
4 Sep 1967

From: Communication-Electronics Officer
To: Assistant Chief of Staff, G-3, III Marine Amphibious Force

Subj: Command Chronology for the month of August 1967

1. Message volume through the III Marine Amphibious Force Communication Center during August 1967 showed a slight decrease. Traffic totals were:

	July	August	Average
Incoming	29,922	26,276	1,061
Outgoing	27,332	27,682	272 (inc.)
Totals	57,255	53,958	2,077

2. Command Operations Center Communication Center showed an increase during August.

	July	August	Increase
Incoming	4,205	4,713	507
Outgoing	4,739	5,239	500
Totals	8,945	9,952	1,007

3. Telephone calls, incoming and outgoing, were at 5,000 per day during the August Offensive.

4. A major land line communications outage occurred on 0130, 21 August when Hotel Station Hill Facility was struck by rocket fire. Telephone communication was effected by 1035, 20 August.

5. The regularly scheduled Area Coordinators Communication Conference hosted on 10 August by CG III MAF was attended by representatives of 12 services, major subordinate units of III MAF, Navy Seabees, and 5 Corps Advisory Groups.

6. Staff visits by the Communications-Electronics Officer included visits to 25th Signal Construction Squadron, 5th Signal Battalion, and Danang Military Relay Station. Other staff visits were made to 1st Signal Brigade, Long Binh Area, 44th Signal Battalion and Area Logistic Command.

7. Representation was provided to the Interservice Working Group Conference and the AUTOSEVOCOM Conference at Saigon.

8. Staff visit was made to Saigon-Cholon Telephone Management Agency to coordinate [illegible] entries into U.S. Forces Vietnam Telephone Book.

9. Tested site survey team for AUTOSEVOCOM and the 5th Signal Battalion representatives for the AUTOSEVOCOM terminals.

10. In coordination with [illegible], assisted Navy [illegible] in planning for visits to Marine Divisions.

11. Preliminary installation for III MAF AUTOSEVOCOM terminal was completed by AUTOSEVOCOM Installation Team.

12. Two orders were installed for the III MAF Security Platoon at the III MAF Command Post.

13. Provided [illegible] with III MAF maintenance requirements for [illegible] on completion of fixed plant tasks to provide capability in the Danang area.

14. Three new circuits were established during August and five circuits reinstated.

S. [illegible]

Cmc
(Acye)

61

HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
FPO San Francisco 96602

10A1/lnw
5050
4 Feb 1969

From: Commanding General
To: Distribution List

Subj: Minutes of Area Coordinator Communication Conference 30 January 1969

Encl: (1) Conference Minutes
(2) List of Attendees

1. Enclosures (1) and (2) are provided addresses for information and retention.

2. The next conference is scheduled for 1000, 27 March 1969 in the III MAF Conference Room.

B. E. HORNER
By direction

Distribution:
Enclosure (2) plus
CG FMFPac
CMC (Code A04C)
CO ICTZ Sig Gp, Phu Bai
CG 101st Abn Div (AM)
Comdr 1972nd Comm Sqdn
OIC 485th GEEIA Det, Dng
CO 63d Signal Bn, Phu Bai

MINUTES OF AREA COORDINATOR COMMUNICATION CONFERENCE OF 30 JANUARY 1969

I. The conference was called to order at 1005. Colonel HORNER introduced several new representatives to the conference. Upon review by the conferees and with no comments or objections, the reading of the previous conference minutes was deleted. The agenda items following were discussed.

II. SCHEDULED AGENDA ITEMS

A. III MAF COMMPLAN FOUR. Major WILLKOMM advised the conferees that recommended changes and/or additions were solicited and urged submission of any recommendations within thirty days. The following items for inclusion in any anticipated revision were made.

1. Lieutenant Colonel HARTMAN requested that the portion of COMMPLAN FOUR designating cryptographic systems be made more specific. He cited particularly the USKAC-275 SEATAC Mission Code that is not now included in authorized systems. Remarks contributed by several conferees resulted in the conclusion that the system was not yet, in fact, an approved system. Colonel WILSON, visiting from USARV, stated that a decision regarding employment of the system probably would be forthcoming in thirty to sixty days.

2. Major FEELEY recommended inclusion of comprehensive "RED ROCKET" procedures.

B. STATUS OF CABLE PROJECTS. Lieutenant Colonel HOOVER discussed several area cable projects.

1. ROKMC Cable Project. Installation of three cables for ROKMC. LtCol KIM volunteered that the cable project had been completed. LtCol HOOVER announced that the Kelly Ripper would soon be available in Danang for use in burying cable.

2. 400 Pair Cable Across New Danang River Bridge. Project is in material procurement stage at NSA Public Works. Project will provide alternate route to Danang in event of damage or loss of existing cable across old bridge. Mr. GRANDJEAN stated that job is currently in Public Works Material, undergoing search for substitute ducting material. He hoped that action would go to the field next week, and advised need for four-inch flexible tubing.

ENCLOSURE (1)

8. Colonel LEMAY discussed following projects and problems in Dong Ha and Quang Tri Combat Bases.

a. Problems within the Dong Ha Combat Base are primarily difficulty in identifying the location and effectiveness of the many cables existing within the combat base, aggrevated by the lack of planning information regarding eventual permanent combat base tenants.

b. In the area of Quang Tri Combat Base and Quang Tri City, the Army has taken over responsibility for the switchboard service. There has been considerable difficulty with cutting of cable. The Army expects to have the new basic cable laid by 15 February, anticipating at least three additional months to accomplish acceptance.

c. The fifty-pair cable buried in the road between Dong Ha and Quang Tri which provides high precedence dial service has suffered considerable damage due to proximity to ammunition dumps, rain washouts, and frequent cutting of cable by Seabee crews. Presently, only 15-18 pairs are usable in the cable. Repair of a .6 mile section may yield a total of 32 good pairs in the 50-pair cable. Available replacement cable has not been located. LtCol MORRIS inquired about cable due 15 February, but Colonel LEMAY does not anticipate delivery until April. Colonel HORNER said that he would send another appropriate message to expedite the cable.

9. Chu Lai Dial System Project. One cable remains to be accepted. Slowness in installing dials and availability of materials is reason. Major FEELEY indicated he has an agreement for 50 pairs to one of Americal Division's Brigades and will work with Navy on project. Mr. GRANDJEAN says minor problems in procurement of drop wire are slowing completion of portion of project to MAGs 12 and 13. He will report status as project progresses. LtCol HARTMAN said that the Wing gave Mr. GRANDJEAN wire and lots of material. Mr. GRANDJEAN states that instruments are available, but all installation was slow due to a requirement for drop wire, inside wire, sleeves, 2000 Scotch locks, etc. Colonel WILSON volunteered that USARV has an authorization to buy installation material and requested that he be advised of requirements and he will see what is available from Cam Rahn Bay depots. FSNs would be required to trace material. USARV can assist in any required interservice transfers of funding required. He indicated that there are large stocks of material scheduled for retrograde and quick action can result in procuring this material before retrograde is actually accomplished. He cited previous examples

of cable that had been stocked at Cam Rahn Bay by mistake, wh[illegible] there were urgent requirements in the field. Colonel HORNER told conferees that they should make their requirements known to III MAF G-6 and we will coordinate with USARV.

10. Danang City Cable Cleanup by ARVN. Captain SCUSSEL said that one street had been cleaned up. Cable class students that had been performing cleanup have graduated and transferred, but that he anticipated that new permanent cable construction unit will be present in middle of February and will resume work on Doc Lap Street. He said that crews have found considerable dead wire and are removing it in the absence of unit representatives being present to identify active cable. He also indicated that some units have resumed hanging lines and cables on unauthorized poles and routes again. Captain SCUSSEL stated that the power company is dropping poles in conjunction with street widening projects and will not grant, but at the same time will not withhold, permission to hang telephone lines and cables on their new poles.

11. Monkey Mountain Cable Project. Mr. GRANDJEAN said that GEEIA is having problems with shortage of cable splicers. Best estimate for acceptance is sometime in March. He asked cooperation of conferees involved to help prevent burning of brush on Monkey Mountain, as such burning is damaging cable. Cutover from DNE to Monkey Mountain is still estimated at 31 March.

12. Colonel HORNER indicated he would discuss Marine Corps Supply System responsiveness to cable requirements with the Comm-Elect Officer of FMFPac on his visit next week. Colonel WILSON suggested USARV might be able to assist.

C. UNAUTHORIZED USE OF RADIO EQUIPMENT/FREQUENCIES. Major WILLKOMM discussed subject transmissions generally and the clandestine network in particular. Conclusion of conferees was that matter was primarily one demanding command attention at all levels. Colonel HORNER mentioned that several solutions had been discussed with CINCPAC representatives, that they are being studied, but in meantime there is much local units can do by pushing for command interest and local investigations.

D. DCS/CACS CIRCUIT REQUESTS. Major WILLKOMM cited the following as pertinent references on submission of circuit requests:

MACV CEOI, Paragraph 906
III MAF COMMPLAN FOUR, Paragraph 609
III MAF 050136Z JAN69

Conferees were encouraged to provide lead time as long as possible to permit construction/reallignment of circuitry to satisfy their requests. In response to a point raised by LtCol HARTMAN that it is difficult to provide tail information, Colonel HORNER said it is information essential to DCS, and that units are required at least to identify local terminal equipment to the interface point.

E. AUTODIN SERVICE. Major HOLDER displayed an explained ICTZ Autodin Terminal Chart for purpose of updating and familiarization, including the proposed mobile terminals at the Marine Divisions. He also discussed MODEM maintenance problems and indicated that further discussions will be held with the Comm-Elect Officer, FMFPac on his forthcoming visit. Quotas for MODEM maintenance schools at Nha Trang and Okinawa were also discussed. III MAF G-6 has some information on quotas available on request.

III. ADDITIONAL ITEMS

A. Lieutenant Colonel HOOVER outlined eventual scope of the dial telephone system in ICTZ, the benefits of the pending activation of the Tandem Switch System, and encouraged utilization of the dial prefixes assigned to all telephone areas. He stated the Danang Automatic Tandem Switch would be activated about 12 April.

B. Colonel LEMAY expressed concern about increasing chatter and possible extension of clandestine radio net to telephone circuits. He suggested command attention and high level authority to record and monitor calls without beeper warning. LtCol HOOVER suggested that the dial system might eventually be considered connected to a commercial and that monitoring without warning might be illegal. Colonel HORNER said he would refer the matter to MACV. Colonel WILSON agreed that command action is proper approach, and that some means must be devised to identify caller in order to take firm action.

C. Major WILLKOMM announced that the frequency listing recently distributed by III MAF would be effective 15 February vice 5 February, to be confirmed by message. A discussion ensued about possible systems to preclude short term changes to call sign and frequency lists. It was generally agreed that establishment of secure radio systems will help, but in meantime we will study alternatives to make frequency/call sign changes easier on all units.

D. Major WILLKOMM reviewed recent difficulties with reports concerning undelivered/delayed Red Cross messages and reminded conferees of need for their cooperation to complete this reporting project correctly. He stressed interest in these messages at the highest military and governmental levels.

E. Major WILLKOMM announced that the effective date for conversion of message traffic to JANAP 128 format is 1 March, except for the JP circuit which will continue on ACP 127 format.

F. Colonel DAHL expressed concern with the increasing service rate on traffic relayed to him via Danang Relay Center. LtCol YERKES responded with a review of in-station procedures at the relay center and appealed for immediate notification when traffic is garbling to facilitate location of trouble spots.

G. Major FEELEY indicated difficulties exist in the area of coordination with Navy at Chu Lai. Mr. GRANDJEAN identified proper point of contact as Cdr. REEVES at the Navy Public Works Detachment. III MAF will investigate necessity for a letter of understanding.

H. Lieutenant Colonel YERKES said he has equipment and many personnel interested in activating a MARS station at the Danang Signal Battalion. Colonel WILSON volunteered that USARV has equipment for many stations but they have been unable to obtain proper frequency authorization. They have asked JCS assistance on the basis of valuable morale factor.

IV. The conference adjourned at 1135. The next conference will be held at 1000, 27 March 1969, at the III MAF Conference Room.

ROSTER OF ATTENDEES

Colonel	B. E. HORNER	III MAF, G-6
Colonel	J. LEMAY	3rd MarDiv
Colonel	R. L. WILSON	Hq, USARV C-E
Colonel	C. G. DAHL	1st MarDiv
LtCol	H. R. DAVIS	III MAF, G-6
LtCol	R. S. HARTMAN	1st MAW
LtCol	J. D. HINES	5th Comm Bn
LtCol	M. M. HOOVER, Jr.	III MAF, G-6
LtCol	C. L. BRADY	7th Comm Bn
LtCol	C. W. YERKES	Danang Signal Bn
LtCol	H. L. MORRIS	ForLogCmd
LtCol	KIM YONG WOO	2nd ROKMC Bde
LtCol	R. W. WATSON	37th Signal Bn
Major	J. W. WILLKOMM	III MAF, G-6
Major	J. F. BAIER	5th Comm Bn
Major	B. D. KING	III MAF Comm Cen
Major	C. R. BREWER	XXIV Corps
Major	K. M. HOLDER	III MAF, G-6
Major	R. B. AUSTENFELD	7th Comm Bn
Major	R. F. FEELEY	Americal Div
Major	L. G. MITCHELL	1st MAW
Major	D. J. OGDEN	MWCS-1
Captain	J. T. SCUSSEL	I Corps Signal Adv
Captain	J. T. LEAHY	620th TAC Sqdn
Captain	E. F. GRAY	DCA SAM Det Danang
Lt	F. D. KILBOURN	SU-1, 1st Radio Bn
Lt	J. L. DEESE	Long Lines Area Dng
CWO	J. D. LAURIN	5th Comm Bn
MGySgt	R. A. MARSHALL	III MAF, G-6
MSgt	W. H. NEULS	1st MAW
RM1	L. W. MAYNARD	NSA Dng
GS-12	F. J. GRANDJEAN	NSA Public Works

HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
FPO San Francisco 96602

10A1/swb
5050
12 Oct 1968

From: Commanding General
To: Distribution List

Subj: Minutes of Area Coordinator Communication Conference of 3 October 1968

Encl: (1) Conference Minutes
(2) List of Attendees

1. Enclosures (1) and (2) are provided for information and retention.

2. The next conference is scheduled for 1000 on 28 November 1968 in the III MAF Conference Room.

B. E. HORNER
By direction

DISTRIBUTION:
Enclosure (2) plus
CG FMFPac
CMC (Code A04C)
CO 1972nd Comm Sqdn
CO 37th SigBn
CO 63rd SigBn
CG 2nd ROKMC Bde (CEO)
485th GEEIA Det
CG 101st Abn Div (AM)
CG 1st Cav Div (AM)

MINUTES OF AREA COORDINATOR COMMUNICATION CONFERENCE OF 3 OCTOBER 1968

I. The conference was called to order at 1010 by Colonel HORNER. Having received no objections or comments, the reading of the previous conference minutes was dispensed with and the agenda items following were discussed.

II. AGENDA ITEMS

A. CIRCUIT RESTORAL ACTION. Major BENSON stated, that on occasion, actions taken by restoral agencies did not seem to be responsive to the requirements of high restoration priorities (RP). He emphasized that operating organizations have certain responsibilities in their part of the restoration effort, i.e., when terminal equipment may be the cause of circuit outage, exchange of known good terminal equipment from lower priority circuits must be done. The discussion was expanded to include the next two related agenda items.

B. EMERGENCY RESTORAL ACTION

1. Recent experience in the aftermath of Typhoon BESS revealed some shortcomings, not only in the restoral system, but also in the area of records maintenance. In some instances, insufficient, incomplete or non-existent records and restoration priority assignments existed. The importance of maintaining accurate records, and the requirement for a central control agency was stressed.

2. Subsequent to Typhoon BESS, several Danang communications agencies concurred in designating III MAF FCC as the primary control agency for all non-DCS circuits in the Danang area. At the same time, DCA-SAM Det will continue to control centrally all DCS circuitry. LtCol MAGRUDER (Americal Div) stated that Chu Lai did not have similar difficulties with typhoon restoral inasmuch as they centrally control RP already and place much less reliance on a cable system.

3. In response to a comment by LtCol HARTMAN (1st MAW) that legitmate RP-2's have relatively little chance competing with the great number of RP-1's, Colonel HORNER and Major BENSON made the following points:

a. III MAF has directed that ICTZ units examine and revise restoration priorities currently assigned to bring circuits in accord with published MACV criteria requiring that RP1's assigned not exceed 5% and total o' RP1 plus RP2 not exceed 15% of all circuits existing within an organization.

ENCLOSURE (1)

All units are limited to the same proportionate share of higher priority circuits.

b. III MAF G-6 will review response to this requirement and ensure criteria are met, RP's are valid, and that assignments are reasonable.

c. In response to LtCol HARTMAN's suggestion that 1st MAW might have difficulty justifying enough RP-1 circuits and a comment from Colonel FOYLE (1st MarDiv) that Division has a high percentage of justifiable high priority COC/TOC type circuits at the expense of important though lower priority CU circuits; Colonel HORNER reiterated that it is apparent that this will require closest examination to get a fair share and remain within MACV boundary lines. Honesty in assigning RP's for each circuit, staying in line with program, and trying to make it work were recommended guidelines.

C. FACILITIES CONTROL CENTER

1. Major BENSON reiterated importance of FCC in circuit restoral actions previously discussed.

2. To improve available FCC expertise, quotas have been requested for the USARV Facilities Controller Course. In addition, a local course is being conducted by FCC personnel at 5th Comm Bn.

3. LtCol MAGRUDER volunteered that DCA Circular 310-70-1 might be appropriate to procure for additional facilities training.

D. STATUS OF CABLE PROJECTS. Lt STUFF reviewed following projects:

1. Ducting for the 2500 pr cable from AF DCO to 1st MAW which runs under the AB taxiway is expected to be complete in 7 days. GEEIA has estimated that approximately 70 additional days will be required to complete this project. Colonel HORNER stated that as a result of discussion with MACV-J6 that BGen FRIZEN would attempt to expedite GEEIA to earlier completion date.

2. Lt STUFF advised the group that the project for the 400 pair cable installation over the new Danang Bridge is in the planning and engineering stage at NSA and that no firm commencement date has been set.

3. III MAF HQ TTC-28. It is planned to install vans on the prepared pad within 4-5 days and to execute cut over

to dial system between 15-26 October 1968.

4. 1st MarDiv had no progress to report on status of planning for AN/TTC-28 installation.

5. Lt STUFF announced that dial service will be available to all subscribers south of III MAF to and including Marble Mountain with activation of DNG-EAST DCO, tentatively set for 1 November.

E. ICTZ COORDINATOR INSTRUCTIONS. Lt STUFF identified two ICCI's promulgated since the last conference.

1. ICCI 2030.1B (Standardization of Cable Markings). Lt STUFF stressed the importance of this instruction in identifying and minimizing "friendly" damage to cable installations, and its future value in identifying surviving cable plant in a post-hostilities environment.

2. ICCI 2300.2A (Communication Cable Coordinating Committees, ICTZ) contains instructions regarding wire and cable construction standards and area and sector committee organization. Americal Div and XXIV Corps were encouraged to examine the example of Danang Sector Committee in establishing "local" sub-committees or assigning units to specific areas of inspection responsibility within the parent sector.

3. A new ICCI, being prepared for promulgation in about two weeks, will require a permit prior to beginning any excavation, construction, or demolition. Intent is to preclude inadvertent damage to installed cable.

F. UNAUTHORIZED RADIO TRANSMISSIONS. Major WILLKOMM discussed ICCI 2305.3 (Unauthorized Radio Transmissions), and the importance of command and communication personnel interest in matters outlined in the ICCI.

G. CHANGE TO III MAF COMM PLAN. Major BENSON advised that due to number of modifications involved, the forthcoming change to Force Order P02000.1B will be in the form of a complete revision of increased scope, including additional higher command requirements. Attendees were requested to forward any late changes, additions, deletions, recommendations and any revised distribution requirements to the III MAF G-6 as soon as possible to meet publication target date which is planned for the end of the month.

H. PROGRESS OF AN/PRC-77/KY-38 TEST

1. Colonel HORNER stated that the subject equipment

has been extensively tested in various configurations and everyone is enthusiastic about the package. 3rd MarDiv wants them now; 1st MarDiv wants them when adequate spare parts are available.

2. ANGLICO units are high on priority list to receive this gear.

3. Colonel FOYLE indicated Spot Teams are currently testing in division area. LtCol MAGRUDER stated that gear is in hands of one of his brigades for testing in various configurations.

4. Colonel HORNER recognized that testing, with required reports, may be a burden but envisaged the satisfaction to come one great day when our land, sea and air forces can talk to each other -- covered.

I. PROGRESS OF AN/PCC-1/VCC-1 TESTS

1. LtCol HINES (5th CommBn) stated that 5th CommBn has equipment out with various units and tests are proceeding satisfactorily.

2. He pointed out that one area of difficulty is in maintaining the identification of modified PRC-25's. Modification identification is lost during exchange or turn-in for repair. There is a requirement for a decal or other more permanent identification.

3. LtCol DAVIS stated that the two PRC-25 Mod Kits that were to be provided with each PCC-1 have not been delivered.

4. LtCol HOOVER advised LtCol HARTMAN that the AN/PRC-77 is compatible with the PCC-1 without modification, but cautioned that very careful tuning is required.

5. LtCol HINES stated that he has received some VCC-1 gear with no mod kits.

III. ADDITIONAL ITEMS

A. MULTI-CHANNEL RADIO. Colonel HORNER stated that 16 AN/TRC-97E (24 channel) (8 for each CommBn) are coming to RVN; however, without associated power. He stated his intent to eventually remove tactical circuitry from total dependence upon DCS and place it in our own control. Probable power problems and difficulties in obtaining and coordinating test equipment requirements were recognized. III MAF has requested

that units identify all multi-channel radio assets including MRC-62/63 (and later, associated power), employment, location, and related personnel so that III MAF will have sufficient data to understand and influence the total multi-channel radio picture. Colonel HORNER stated that the subject of upgrading DCS is a dead one and that it is our responsibility to upgrade our own circuitry.

B. TRC-97 EVACUATION. LtCol DAVIS stated that we were supposed to return 16 "worst" ones from those nominated by major commands. Colonel HORNER cautioned that any "hanger queens" nominated may not be mere "shells" without the most thorough justification and documentation.

C. MAF COC BUNKER. Colonel HORNER advised that the new MAF COC Bunker was about complete. He briefly described the operation of the new Call Director system, which will be cut over between COC/TOC's soon. All conference attendees were invited to inspect the bunker and the in-test TTY facilities at the conclusion of the conference.

IV. The conference adjourned at 1100 with the announcement that the next conference would be held at 1000, 28 Nov 1968 in the III MAF Conference Room.

ROSTER OF ATTENDEES

Colonel	B. E. HORNER	III MAF, G-6
Colonel	R. B. FOYLE	1st MarDiv
LtCol	R. S. HARTMAN	1st MAW
LtCol	M. M. HOOVER Jr.	III MAF, G-6
LtCol	C. W. YERKES	Dng Sig Bn
LtCol	L. F. MAGRUDER	Americal Div
LtCol	C. L. BRADY	7th Comm Bn
LtCol	B. MITCHELL	1st MarDiv
LtCol	M. A. SOPER	1st MarDiv
LtCol	J. D. HINES	5th Comm Bn
LtCol	H. R. DAVIS	III MAF, G-6
LtCol	H. L. MORRIS	HQ FLC
Major	R. J. BENSON	III MAF, G-6
Major	D. W. PARTIN	I Corps Sig Adv
Major	D. K. HAWKINS	Americal Div
Major	R. D. MARX	HQ XXIV Corps
Major	J. W. WILLKOMM	III MAF, G-6
Major	J. W. EVERETT	III MAF, G-6
Major	J. M. SLOCUM	III MAF, Comm Center
Lt (USN)	T. M. PERKINS	NSA DANANG
Captain	W. D. FISH	HQ FLC
1stLt	T. L. FRANKLIN	DCA-SAM
1stLt	R. R. BICKEL	3rd MarDiv
1stLt	C. P. STUFF	III MAF, G-6
1stLt	E. L. HANEY	SU#1, 1stRadBn
1stLt	D. I. STASHI	SU#1, 1stRadBn
MGySgt	T. J. SOUTHWORTH	1st MAW
MGySgt	R. A. MARSHALL	III MAF, G-6
MSgt	J. D. BLOOMQUIST	620TH TAC SQ

HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
FPO San Francisco 96602

10A1/lrt
5050
5 Dec 1968

From: Commanding General
To: Distribution List

Subj: Minutes of Area Coordinator Communication Conference of 28 November 1968

Encl: (1) Conference Minutes
(2) List of Attendees

1. Enclosures (1) and (2) are provided addressees for information and retention.

2. The next conference is scheduled for 1000 on 30 January 1969 in the III MAF Conference Room.

M. M. HOOVER JR.
By direction

DISTRIBUTION:
Enclosure (2) plus
CG FMFPAC
CMC (Code AO4C)
CG 3dMarDiv (CEO)
CG Americal Div (SigO)
CG 101st Abn Div (AM)
Cdr, NSA DNG
Cdr, 620th TAC Sqdn

MINUTES OF AREA COORDINATOR COMMUNICATION CONFERENCE OF 28 NOVEMBER 1968

I. The conference was called to order at 1005. Colonel HORNER introduced several new representatives to the conference. Upon review by the conferees and with no comments or objections, the reading of the previous conference minutes was deleted. The agenda items following were discussed.

II. SCHEDULED AGENDA ITEMS

A. III MAF TACTICAL COMMUNICATION SYSTEM. Major BENSON discussed details and phased implementation of the TCS system in amplification of a diagram of the system which was distributed to attending conferees. (Additional copies are available, this Headquarters, for addressees not represented.) He explained that power availability would be a major factor in activation of the progressive phases. He further explained that the proposed system is intended as a backup to, rather than a substitute for, the DCS system.

B. STATUS OF CABLE PROJECTS

1. Lt STUFF detailed status of following cable projects:

a. 400 pair alternate cable across Danang River Bridge is still in planning and engineering stages.

b. 1200 pair cable under the DNG AB runway. Target date is still 15 December 1968, on schedule.

c. Monkey Mountain cable proceeding with a tentative 31 December 1968 acceptance date. While primary objective is to provide dial telephone service to Monkey Mountain subscribers, III MAF has additional interest in its application to the proposed III MAF Tactical Communication System. Mr. GRANDJEAN, in response to a question by LtCol HARTMAN, advised that spare pairs may be available in the cable.

d. DaNang City Project. Requirements in DaNang City still exceed available pairs. GEEIA estimated that the original 1 February 1969 date for RMK completion of plant facility has slipped to sometime in the summer of 1969, with completion of the project following within 75 days. Colonel HORNER noted that he has requested MACV to monitor progress of this project and to assist in upgrading the effort for an earlier completion.

e. Major PARTIN advised that ARVN poles and cable lines in DaNang City will be inspected on 2 December 1968 and all unidentified installations will be removed by RVN forces. DaNang City was defined as the area west of the DaNang River. Organizations having lines in that area were requested to contact Major PARTIN.

2. Lt STUFF advised that extra copies of ICCT 2300.3 are

ENCLOSURE (1)

available at the III MAF G-6 office for those organizations not in receipt of the directive.

C. DANANG EAST DCO CUTOVER. Lt KROUSLIS invited attention to Area Coordinator, ICTZ, letter 1004/swb over 2305/7 dated 26 November 1968 with subject, Upgrade of Dial Telephone Service in the DaNang Area, which addresses the cutover of DaNang East DTE on 21 December 1968.

D. CUTOVER OF FIRST MARDIV AN/TTC-28

1. Colonel DAHL indicated cutover for the 1st Marine Division AN/TCC-28 on 7 December 1968.

2. III MAF has agreed to MACV proposal to eliminate construction of new DNG NORTH DTE. Existing AN/TTC-28 installation at Red Beach is considered as meeting the requirements for DNG NORTH DTE, with the understanding that the AN/TTC-28 will be withdrawn coincident with withdrawal of Marine Forces. Service thereafter would be provided by DNG DCO.

3. Cutover of 1st Marine Aircraft Wing to DNG DTE is dependent on meeting construction deadlines for outside plant and the new cable under the DNG AB runway. Present intention is for 1st MAW to receive DNG DTE service. The AN/TTC-28 scheduled for 1st MAW may be diverted by Headquarters, U. S. Marine Corps to MCRD, San Diego as a training vehicle for AN/TTC-28 maintenance personnel.

E. ICTZ TELEPHONE SYSTEM. Lt KROUSLIS announced that completion of the DNG Tandem Switch Center construction is estimated at 15 December 1968, with cutover to operations on 1 February 1969. Problems attendant to CHU LAI DCO service to MAG-12 and MAG-13 were discussed briefly.

F. COMMAND RELATIONSHIPS

1. Colonel GOLDENTHAL, Commanding Officer of the newly organized ICTZ Signal Group headquartered at PHU BAI, discussed composition of the group which includes 63d Signal Battalion effective 1 December 1968, the 37th Signal Battalion effective 10 December 1968, and possibly the DaNang Signal Battalion at some future date.

2. Colonel HORNER discussed the relationship between Commanding General, III MAF and Area Coordinator, ICTZ including the communication responsibility this implies with regard to interservice relationships. He indicated also that "coordination" suggests participation and contribution by all major ICTZ units in normal communication operations and in participation in these conferences.

3. Colonel HORNER reminded conferees that the recent policy change directing primary switchboard operator attention to trunk calls was directed by MACV and requires compliance and supervision at all levels.

G. INADEQUATE RESPONSE TO MESSAGES CONTAINING DEADLINE REPORTING DATES

Major WILLKOMM requested greater cooperation from units in the matter of response to requests for reports or other information, pointing out that such III MAF requests are usually in response to requirements for meeting deadlines established by higher authority.

III. ADDITIONAL ITEMS

A. In response to a question by LtCol HARTMAN, LtCol DAVIS advised that the Crypto Repair Facility was being constructed and that, while test equipment is being provided for, availability of personnel may be a problem. LtCol HARTMAN questioned the announced 30 January 1969 completion date with his observation that he had been informed by NAVELECT personnel that a completion date four or five months in the future was more realistic. In the meantime, Subic Bay is the appropriate maintenance site for crypto equipment.

B. Colonel DAHL inquired if we had received quotas for the USARV Facilities Control Center School. Major WILLKOMM responded in the negative.

IV. CLOSING REMARKS

A. The conference adjourned at 1100. The next conference will be held at 1000, 30 January 1969, at the III MAF Conference Room.

B. Colonel HORNER invited conferees to participate in a luncheon period hosted by Major WINTERSMITH, DCA-SAM Det DNC, at the conclusion of the conference.

ENCLOSURE (1)

ROSTER OF ATTENDEES

Colonel	B. E. HORNER	III MAF, G-6
Colonel	M. GOLDENTHAL	ICTZ Signal Group
Colonel	C. G. DAHL	1st MarDiv
LtCol	F. C. MIRACKY	ICTZ Signal Group
LtCol	R. S. HARTMAN	1st MAW
LtCol	J. D. HINES	5th Comm Bn
LtCol	C. W. YERKES	DaNang Signal Bn
LtCol	G. L. BRADY	7th Comm Bn
LtCol	NGUYEN VAN BINH	I Corps G-6
LtCol	H. L. MORRIS	HQ FLC
LtCol	KIM YONG WOO	2d ROKMC Bde
LtCol	E. C. WILLCOX, Jr.	XXIV Corps
LtCol	H. R. DAVIS	III MAF, G-6
LtCol	M. M. HOOVER, Jr.	III MAF, G-6
Major	R. W. LOGAN	37th Signal Bn
Major	E. MENDES	1972nd Comm Sqdn
Major	J. P. WINTERSMITH	DCA-SAM DaNang Det
Major	D. W. PARTIN	I Corps Sig Adv
Major	J. W. WILLKOMM	III MAF, G-6
Major	R. J. BENSON	III MAF, G-6
Major	SUNG WON PARK	2d ROKMC Bde
Major	J. F. BAIER	5th Comm Bn
Major	N. W. HUDDY	1st MAW
Major	D. J. OGDEN	1st MAW
Major	M. J. HARRIS, Jr.	ICTZ Signal Group
Captain	R. A. JULIAN	Long Lines Area DaNang
Captain	P. F. DIECK	63d Signal Bn
Captain	J. F. GONDING	Tandem Switch Project Officer
Captain	B. D. KING	III MAF Comm Center
Lt	E. L. HANEY	1st Radio Bn
Lt	R. H. FORD	485 GEEIA Sq Det
Lt	J. D. KROUSLIS	TMO, ICTZ
Lt	C. P. STUFF	III MAF, G-6
Lt	R. ACOSTA, Jr.	HQ FLC
CWO	J. A. ADAMS	5th Comm Bn
CWO	J. D. LAURIN	5th Comm Bn
MGySgt	T. J. SOUTHWORTH, Jr.	1st MAW
MGySgt	R. A. MARSHALL	III MAF, G-6
GS-12	F. J. GRANDJEAN	NSA DNG Public Works
GS-11	W. A. CLARK	NSA DNG Public Works

HEADQUARTERS
III Marine Amphibious Force
Military Assistance Command, Vietnam
c/o FPO San Francisco, California 96602

10C/swb
2000
26 Jul 1968

From: Commanding General
To: Distribution List

Subj: Minutes of Area Coordinator Communication Conference of 25 July 1968

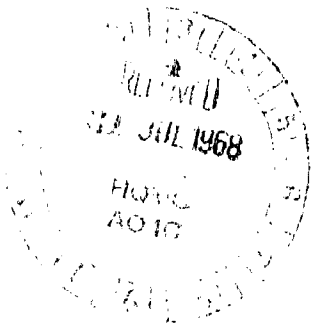
Encl: (1) Minutes of Area Coordinator Communication Conference
(2) List of Attendees

1. Enclosures (1) and (2) are provided for your information and retention.

2. The next meeting is scheduled for 1000 on 26 September 1968 in the III Marine Amphibious Force Conference Room.

A. M. Cordes
A. M. CORDES
By direction

DISTRIBUTION:
Enclosure (2)
CG FMFPAC
CMC (Code AO4C)



MINUTES OF AREA COORDINATOR
COMMUNICATION CONFERENCE OF 25 JULY 1968

I. The conference was called to order at 1015 on 25 July 1968. New conferees were introduced.

II. OLD BUSINESS: Following comments were made by Colonel CORDES:

A. The briefing sheet for newly arrived communicators in ICTZ is available for any organization that desires it. The briefing sheet is presently being revised to account for the change of personnel.

B. The practice of unauthorized radio transmissions and the problems that may arise were discussed. An ICCI is being published to stress command attention to eliminate this practice.

C. III Marine Amphibious Force is presently working on an emergency restoral plan for communications from III Marine Amphibious Force to subordinates. It was suggested that conferees look into restoral plans from their units viewpoint.

D. III Marine Amphibious Force is preparing plans to put tactical circuits presently on DCS circuits on tactical equipment.

E. The updating of the Cable Coordinating Committee to delineate responsibilities/authority more clearly was discussed. Units were reminded to mark cables in an effort to reduce and prevent cable cuts. Attention was directed to units to exercise cognizance over telephone poles under their jurisdiction to prevent undue safety practices and harmful interference.

F. Local plans to install a 400 pair cable across the new DaNang Bridge to provide an alternate cable route were discussed.

G. Local construction projects were discussed:

(1) I DASC is being relocated to Camp Horn, cutover is scheduled for 1 August 1968.

(2) Combat Operations Center Bunker is nearing completion. Installation of communication-electronic equipment is scheduled to commence in early August.

H. Status of tactical telephone dial systems (AN/TTC-28) was discussed:

ENCLOSURE (1)

(1) 3rd Marine Division exchange has been cutover.

(2) 1st Marine Division exchange is scheduled for cutover in August.

(3) III Marine Amphibious Force exchange is scheduled for cutover in September.

(4) 1st Marine Aircraft Wing exchange is due in-country in September.

(5) The AN/TTC-28's are planned to be integrated into the Tandem Switch plan. Tandem Switches are scheduled to be cutover during October.

I. KY-28/38 OPEVAL is proceeding according to plan. Results have been very encouraging and the equipment is being well received by the units conducting the OPEVAL.

J. Army units were reminded to use Call Signs assigned by USARV to assist in identifying units and enhancing coordination.

K. Careful management of VHF/FM frequencies was stressed. Units were cautioned to stress command attention to eliminate the practice of "bootleffing" frequencies. This practice could result in withdrawal of certain ARVN frequencies which have been loaned to III Marine Amphibious Force.

L. Units/Commands were reminded that III Marine Amphibious Force must receive copies of CEI/SOI's and all changes to enable maintenance of current communication posture, particularly regarding frequency assignment.

M. Attention was directed to updating and improving communication center procedures and handling to reduce message service rate, and duplicate transmissions, and to correctly format traffic for AUTODIN.

N. The tentative date for conversion to JANAP 128 format was announced as 1 September 1968.

IV. COMMENTS: No comments were tendered by the conferees.

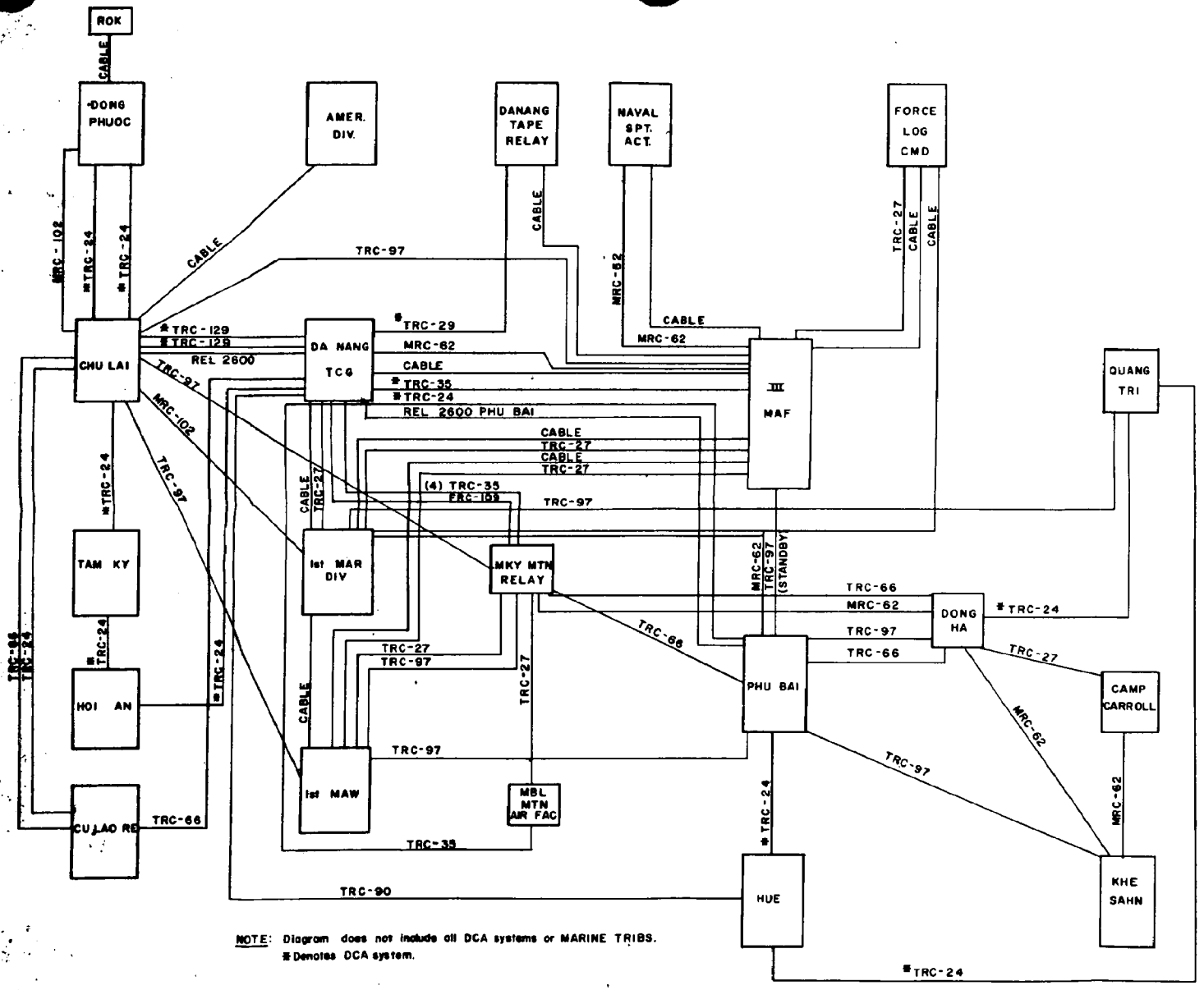
V. The meeting was adjourned at 1100 with the announcement that the next meeting would be conducted at 1000, 26 September 1968.

ROSTER OF ATTENDANCE
25 JULY 1968

A. M. CORDES	Colonel	III MAF, G-6
T. M. PERKINS	Lieutenant	NSA DaNang
R. F. MUSGRAVE	Commander	NSA DaNang
G. I. BOMGARDNER	Major	7th Comm Bn
L. R. JOHNSON	Major	5th Comm Bn
S. P. KELLEY JR	Major	PCV
K. M. WORLEY	Lieutenant Colonel	1st MAW
R. A. FOYLE	Colonel	1st MarDiv
H. M. OWENS	Major	3rd MarDiv
J. D. BERGEN	Captain	I Corps Advisors
J. E. CZAJKOWSKI	Master Sergeant	DaNang Sig Bn
T. J. SOUTHWORTH JR	Master Gunnery Sergeant	1st MAW
R. J. BENSON	Major	III MAF, G-6
P. J. FENNELL	Lieutenant Colonel	III MAF, G-6
M. M. HOOVER	Lieutenant Colonel	III MAF, G-6
R. G. WILLIAMS	Lieutenant Colonel	III MAF, G-6
C. D. HOLCROFT	Lieutenant Colonel	III MAF, G-6
T. D. LOVE	Major	III MAF, Comm Center

ENCLOSURE (2)

MAJOR RADIO RELAY / CABLE SYSTEMS I CORPS



NOTE: Diagram does not include all DCA systems or MARINE TRIBS.
*Denotes DCA system.

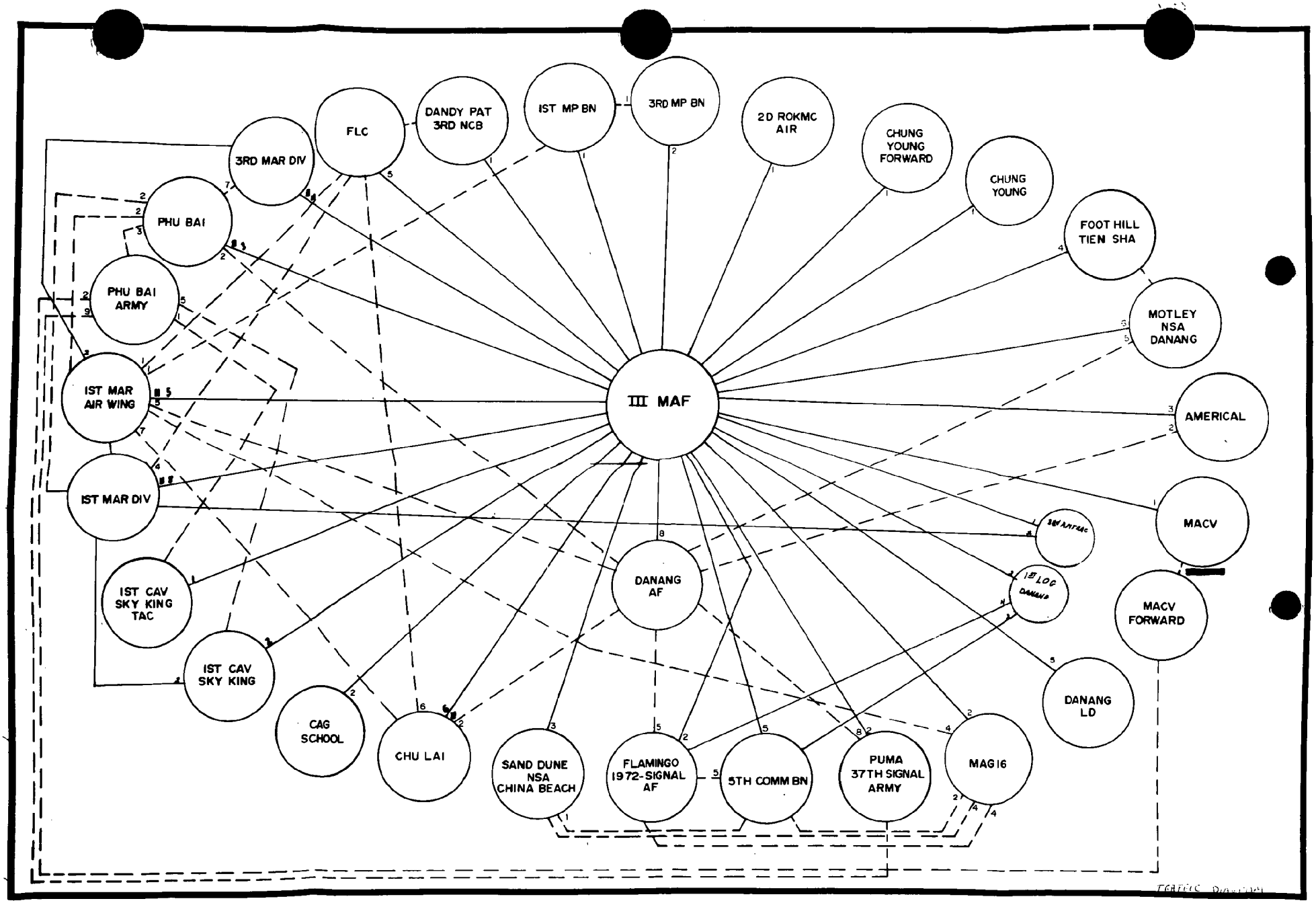
PREPARED BY 5th COMM. BN. S-3 DRAFTING

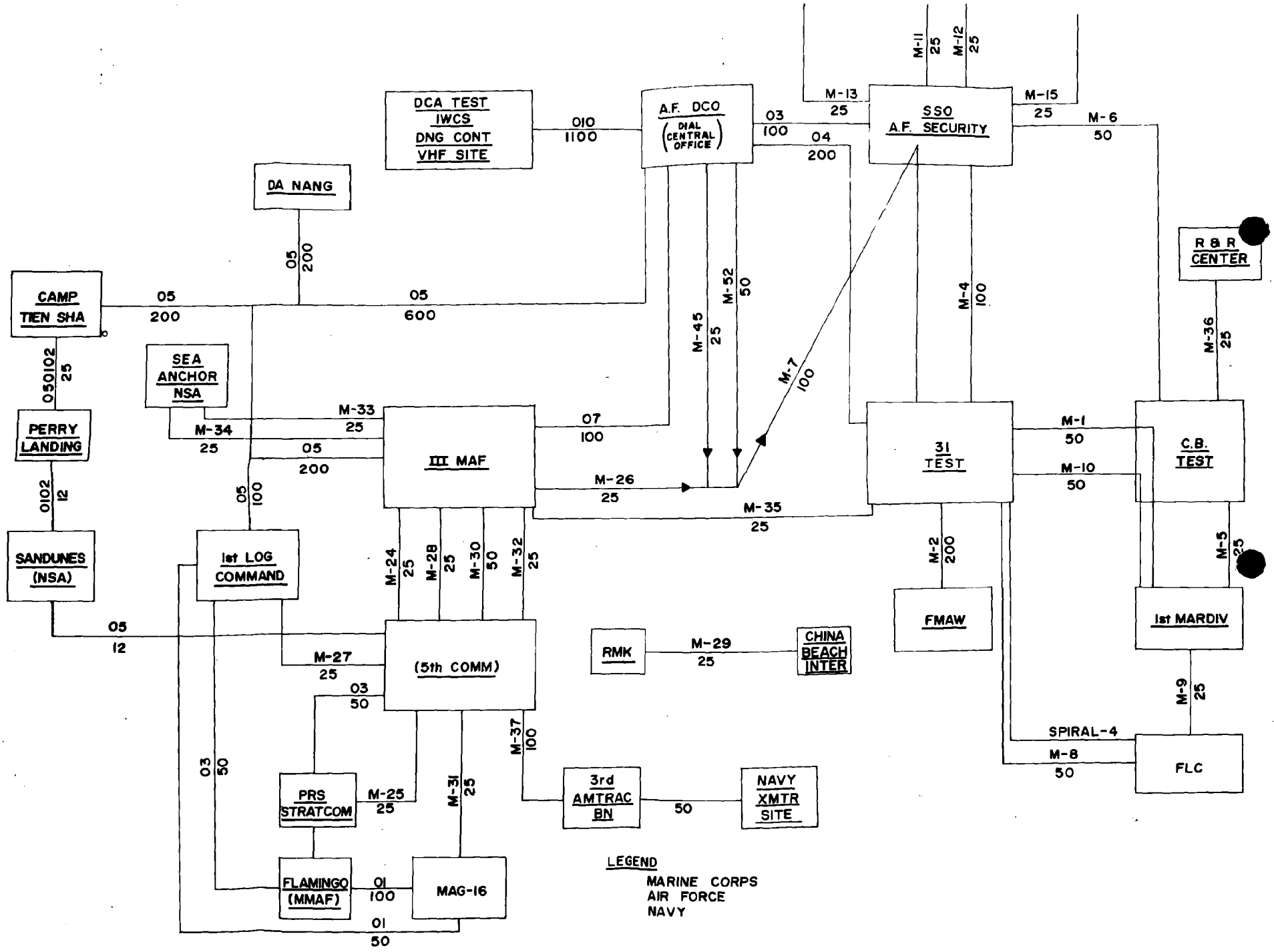
Major Radio Relay/Cable Systems	
Drawn by: [illegible]	5th COMM BN
Traced by:	
Approved by:	
Date:	

13 July 1967
2/Cable Sys I CORPS

III MAF TRAFFIC DIAGRAM
+ CABLE System.
1967

7 Feb 1968
III MAF CABLE DIAGRAM.


III MAF
3RD MAR DIV
FLC
DANDY PAT 3RD NCB
IST MP BN
3RD MP BN
2D ROKMC AIR
CHUNG YOUNG FORWARD
CHUNG YOUNG
FOOT HILL TIEN SHA
MOTLEY NSA DANANG
AMERICAL
MACV
MACV FORWARD
DANANG LD
MAG16
PUMA 37TH SIGNAL ARMY
5TH COMM BN
FLAMINGO 1972-SIGNAL AF
SAND DUNE NSA CHINA BEACH
CHU LAI
CAG SCHOOL
IST CAV SKY KING
IST CAV SKY KING TAC
IST MAR DIV
IST MAR AIR WING
PHU BAI ARMY
PHU BAI
DANANG AF


DCA TEST
IWCS
DNG CONT
VHF SITE
010
1100
A.F. DCO
(DIAL CENTRAL OFFICE)
03
100
04
200
SSO
A.F. SECURITY
M-11
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M-12
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M-15
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M-6
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DA NANG
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200
CAMP
TIEN SHA
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200
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CENTER
M-36
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M-52
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M-7
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M-4
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ANCHOR
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M-33
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M-34
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05
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III MAF
07
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M-26
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M-35
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31
TEST
M-1
50
M-10
50
C.B.
TEST
PERRY
LANDING
0102
12
05
100
SANDUNES
(NSA)
1st LOG
COMMAND
M-24
25
M-28
25
M-30
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M-32
25
M-2
200
M-5
25
FMAW
1st MARDIV
05
12
M-27
25
(5th COMM)
RMK
M-29
25
CHINA
BEACH
INTER
03
50
M-9
25
SPIRAL-4
M-8
50
FLC
M-37
100
03
50
PRS
STRATCOM
M-25
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M-31
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AMTRAC
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NAVY
XMTR
SITE
FLAMINGO
(MMAF)
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MAG-16
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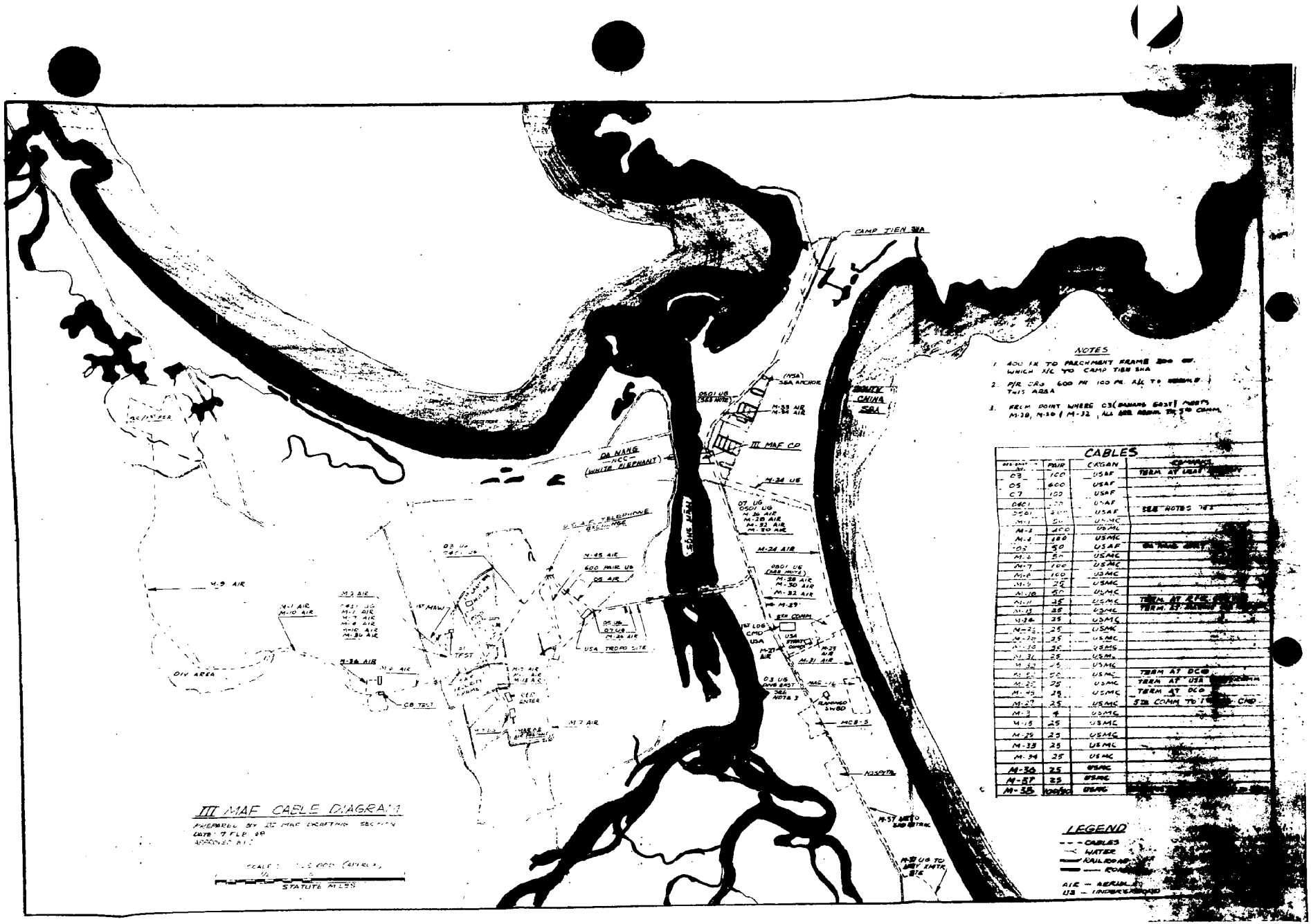
LEGEND
MARINE CORPS
AIR FORCE
NAVY



NOTES

1. ADD 1X TO PARCHMENT FRAME [illegible] WHICH X/C TO CAMP TIEN SHA
2. P/R CRS 600 PR 100 PR A/C TO [illegible] THIS AREA
3. SELM POINT WHERE C3([illegible] M-30, M-30 / M-32 , ALL ARE ABOVE TO 8TH COMM.

CABLES

CABLE SHEET NO.	PAIR	CATGRY	COMMENTS
C3	100	USAF	TERM AT USA [illegible]
C5	600	USAF	
C7	100	USAF	
DSC1	20	USAF	SEE NOTES 1&2
SSC1	200	USAF	
M-1	50	USMC	
M-2	200	USMC	
M-3	100	USMC	
M-7	100	USMC	
M-8	100	USMC	
M-9	25	USMC	
M-10	50	USMC	
M-11	25	USMC	TERM AT 8TH COMM
M-13	25	USMC	TERM AT [illegible]
M-24	25	USMC	
M-25	25	USMC	
M-29	25	USMC	
M-30	25	USMC	
M-32	25	USMC	
M-36	50	USMC	TERM AT DCO
M-45	25	USMC	TERM AT USA
M-49	25	USMC	TERM AT DCO
M-29	25	USMC	8TH COMM TO 1ST LOG CMD
M-3	4	USMC	
M-15	25	USMC	
M-29	25	USMC	
M-33	25	USMC	
M-34	25	USMC	
M-36	25	USMC	
M-57	25	USMC	
M-58	100 FO	USMC	

LEGEND

- - - CABLES
- ~ WATER
- RAILROAD
- ROAD

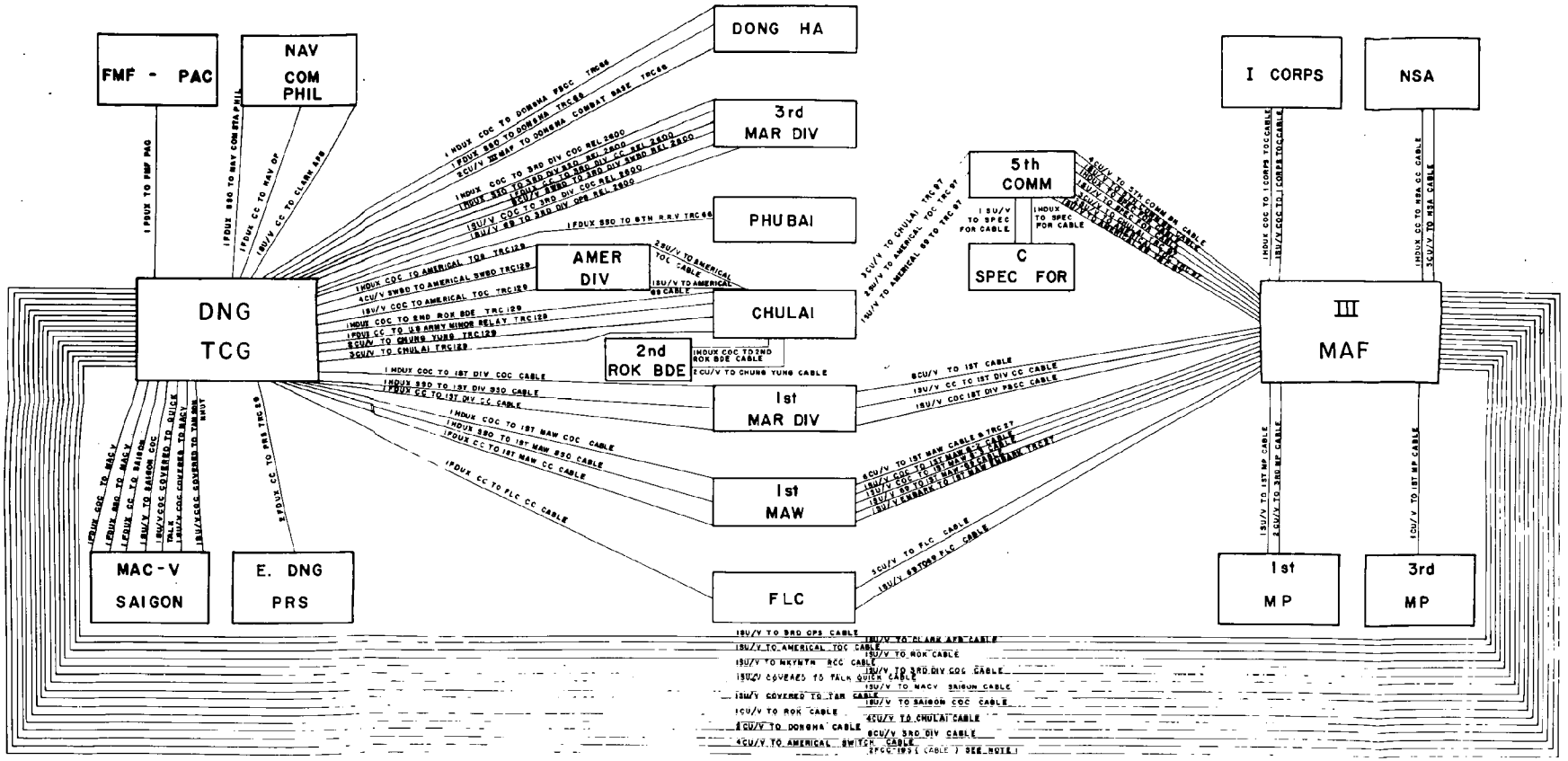
AIR - AERIAL
UG - UNDERGROUND

III MAF CABLE DIAGRAM

PREPARED BY III MAF DRAFTING SECTION
DATE: 7 FEB 68
APPROVED BY:

SCALE: 1" = 1,000 (APPROX.)
STATUTE MILES

III MAF CIRCUITS DIAGRAM



2 FCC-19's (CABLE) NOTE 1 "A" SYSTEM

1 FDUX CC FMF PAC	1 FDUX SSO SAN MIGUEL
2 FDUX CC E DNG PRS	1 FDUX SSO CHULAI
1 FDUX CC SAIGON	1 FDUX SSO SAIGON
1 FDUX CC SAN MIGUEL	1 FDUX SSO 8th RRV
1 HDUX CC CHULAI	1 FDUX SSO 1st DIV
1 FDUX COC MACV	1 FDUX SSO CRS SAIGON
1 HDUX COC 2nd ROK BDE	1 FDUX SSO 1st MAW

NOTE 1 CON'T "B" SYSTEM

1 FDUX SSO DONG HA
1 HDUX SSO 3rd DIV
1 HDUX COC 1st DIV
1 HDUX COC 3rd DIV
1 HDUX COC 1st MAW
1 FDUX CC 1st DIV
1 FDUX CC 3rd DIV
1 FDUX CC FLC
1 FDUX CC 1st MAW

5TH COMMUNICATION BN.

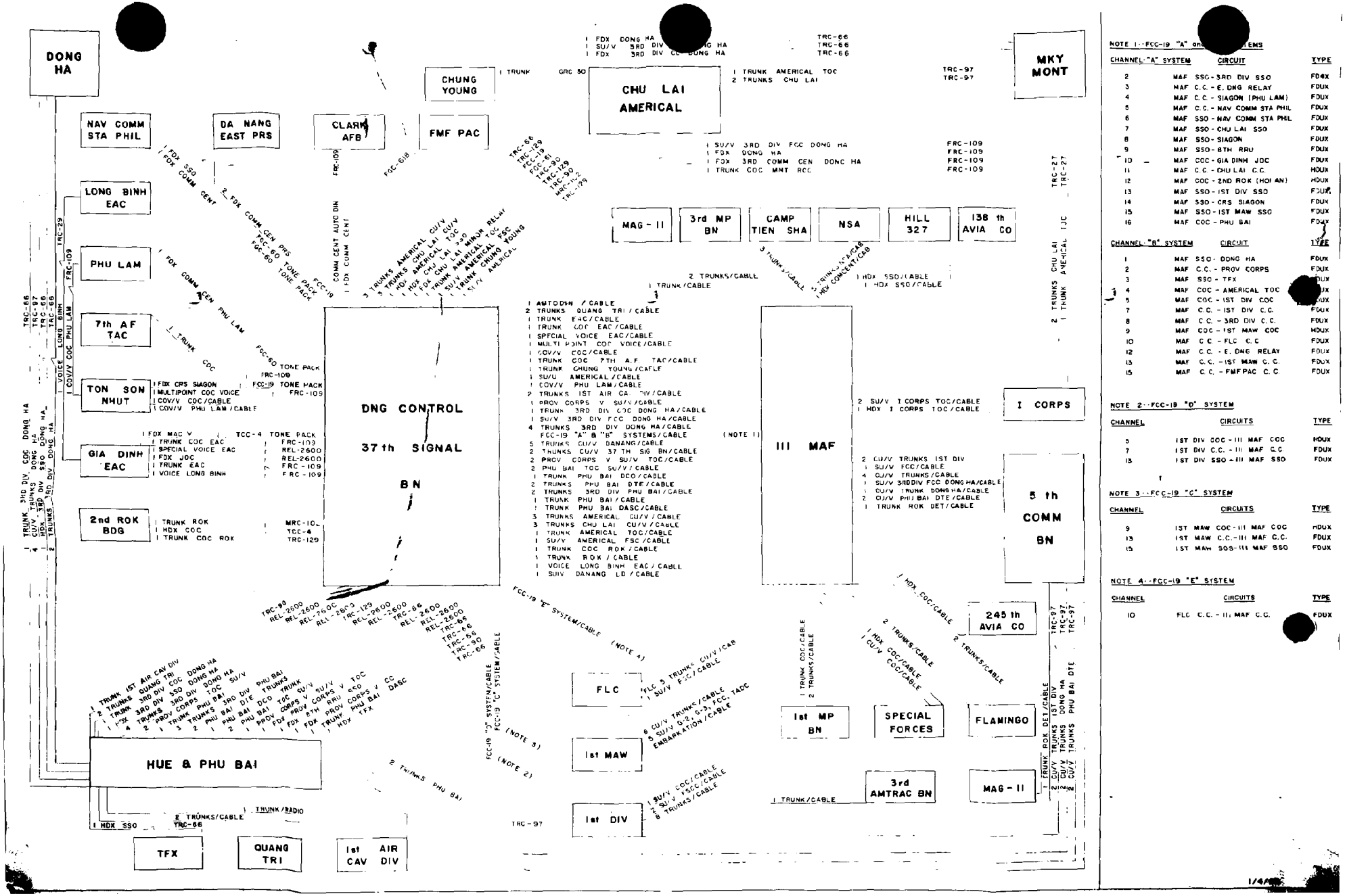
DRAWN BY:

TRACED BY:

APPROVED BY:

DATE:

III MAF CIRCUITS DIAGRAM



NOTE 1 - FCC-19 "A" and "B" SYSTEMS

CHANNEL-"A" SYSTEM	CIRCUIT	TYPE
2	MAF SSO - 3RD DIV SSO	FDUX
3	MAF C.C. - E. DNG RELAY	FDUX
4	MAF C.C. - SIAGON (PHU LAM)	FDUX
5	MAF C.C. - NAV COMM STA PHIL	FDUX
6	MAF SSO - NAV COMM STA PHIL	FDUX
7	MAF SSO - CHU LAI SSO	FDUX
8	MAF SSO - SIAGON	FDUX
9	MAF SSO - 8TH RRU	FDUX
10	MAF COC - GIA DINH JOC	FDUX
11	MAF C.C. - CHU LAI C.C.	HDUX
12	MAF COC - 2ND ROK (HOI AN)	HDUX
13	MAF SSO - 1ST DIV SSO	FDUX
14	MAF SSO - CRS SIAGON	FDUX
15	MAF SSO - 1ST MAW SSO	FDUX
16	MAF COC - PHU BAI	FDUX

CHANNEL-"B" SYSTEM	CIRCUIT	TYPE
1	MAF SSO - DONG HA	FDUX
2	MAF C.C. - PROV CORPS	FDUX
3	MAF SSO - TFX	FDUX
4	MAF COC - AMERICAL TOC	FDUX
5	MAF COC - 1ST DIV COC	FDUX
7	MAF C.C. - 1ST DIV C.C.	FDUX
8	MAF C.C. - 3RD DIV C.C.	FDUX
9	MAF COC - 1ST MAW COC	HDUX
10	MAF C.C. - FLC C.C.	FDUX
12	MAF C.C. - E. DNG RELAY	FDUX
13	MAF C.C. - 1ST MAW C.C.	FDUX
15	MAF C.C. - FMFPAC C.C.	FDUX

NOTE 2 - FCC-19 "D" SYSTEM

CHANNEL	CIRCUITS	TYPE
5	1ST DIV COC - III MAF COC	HDUX
7	1ST DIV C.C. - III MAF C.C.	FDUX
13	1ST DIV SSO - III MAF SSO	FDUX

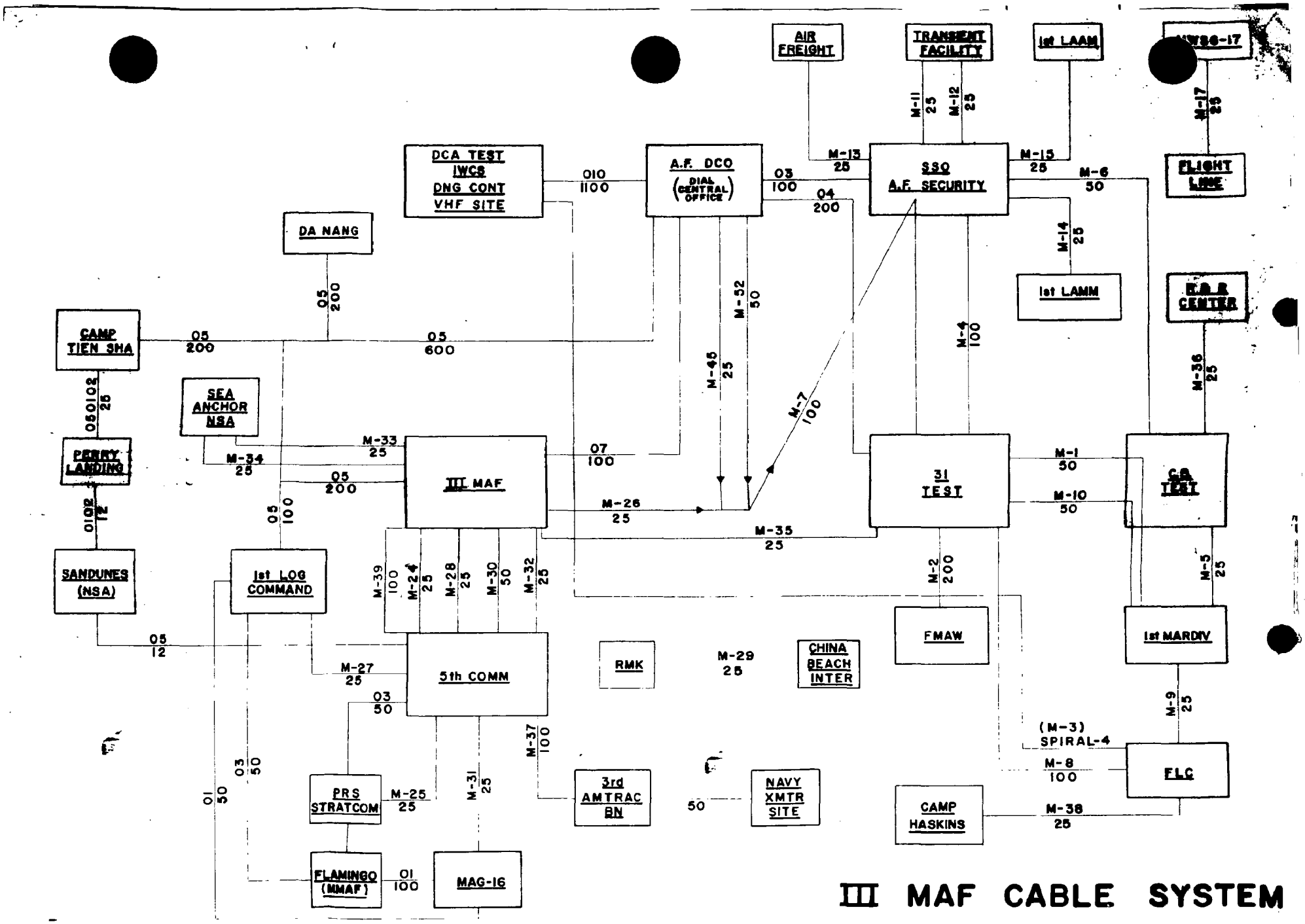
NOTE 3 - FCC-19 "C" SYSTEM

CHANNEL	CIRCUITS	TYPE
9	1ST MAW COC - III MAF COC	HDUX
13	1ST MAW C.C. - III MAF C.C.	FDUX
15	1ST MAW SOS - III MAF SSO	FDUX

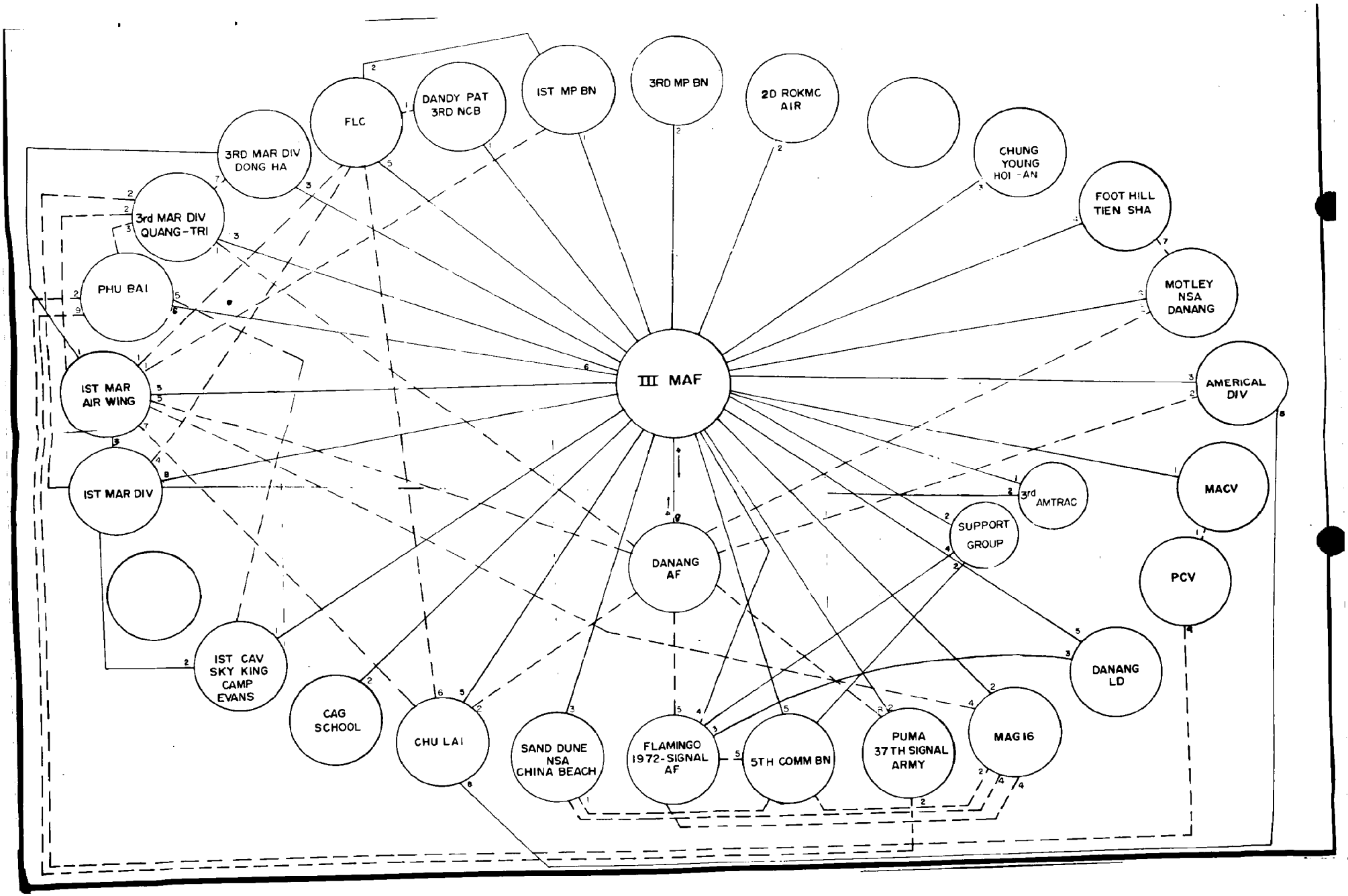
NOTE 4 - FCC-19 "E" SYSTEM

CHANNEL	CIRCUITS	TYPE
10	FLC C.C. - III MAF C.C.	FDUX

III MAF RADIO RELAY/ WIRE CIRCUITS DIAGRAM



III MAF CABLE SYSTEM


III MAF
3RD MAR DIV DONG HA
FLC
DANDY PAT 3RD NCB
IST MP BN
3RD MP BN
2D ROKMC AIR
CHUNG YOUNG HOI - AN
FOOT HILL TIEN SHA
MOTLEY NSA DANANG
AMERICAL DIV
MACV
PCV
DANANG LD
MAG 16
PUMA 37TH SIGNAL ARMY
5TH COMM BN
FLAMINGO 1972-SIGNAL AF
SAND DUNE NSA CHINA BEACH
CHU LAI
CAG SCHOOL
IST CAV SKY KING CAMP EVANS
DANANG AF
SUPPORT GROUP
3rd AMTRAC
IST MAR DIV
IST MAR AIR WING
PHU BAI
3rd MAR DIV QUANG-TRI

MARINE CORPS PROCUREMENT REQUEST

CSG-6 [illegible]

Commandant General of the Marine Corps (CSG-6), Headquarters, U. S. Marine Corps, Washington, D. C. 20380 (GySgt Vigliotti OX-42375)

Commander, Naval Electronics Systems Command, 5805 Leesburg Pike, Baileys Crossroads, Virginia 22041 (Attn: Code 0122)

M00027/7345/4414	BASIC	APPROPRIATION AND SUBHEAD: 17X1109.0074	
$370,414.00		31	27
6		41701	2D
$370,414.00		7441483140	
		176	

Funds in the amount of $370 414.00 are hereby provided for the procurement of the below listed Teletype Equipment:

Item	Qty	Unit	Article	FSN
[illegible]	[illegible]	Each	Teletype Set, AN/FGC-79A	5815-930-3420
[illegible]	13	Each	Teletype Set, AN/FGC-100	5815-946-3622
3.	1	Each	Teletypewriter Set, AN/UGC-20	5815-921-8356
[illegible]	13	Each	Teletype Set, TT-47J/UG	5815-072-5407
5.	17	Each	Teletypewriter Set, TT-171A/UG	5815-679-2780
[illegible]	[illegible]	Each	Teletype Set, TT-187C/UG	5815-763-2012
[illegible]	[illegible]	[illegible]	Teletype Set, TT-192A/UG	5815-752-1167
8.	1	Each	Teletype Set, TT-253D/UG	5815-868-8515
[illegible]	[illegible]	Each	Teletype Set, AN/UGC-6K	5815-925-5094
10.	7	Each	Universal Torn Tape System, consisting of:	
			1 each TT-331A/UG	5815-013-7924
			1 each TT-332A/UG	5815-013-7925
			2 each TT-334A/UG	5815-902-3185
[illegible]	[illegible]	[illegible]	Operational, Maintenance and Repair Parts Manuals (See note #10)	
[illegible]	[illegible]	Lot	Interim Repair Parts Support Provisioning Documentation in accordance with MIL-I-82110(MC)	

[illegible] Navy ordering in accordance with MIL-I-82110(MC) is

URGENT

and IT PRIORITY 02 has been assigned.

J. A. BUTTNER By direction of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	7 Jun 1967

MARINE CORPS PROCUREMENT REQUEST
NAVMC NO 3044 (REV. 10-66)

CSG-6/pvc

Deputy Commandant General of the Marine Corps (CSG-6), Headquarters, U. S. Marine Corps, Washington, D. C. 20380 (GySgt Vigliotti OX-42375)

Commander, Naval Electronics Systems Command, 5805 Leesburg Pike, Baileys Crossroads, Virginia 22041 (Attn: Code 0122)

M00027/7345/4414	BASIC	APPROPRIATION AND SUBHEAD: 17X1109.0074	
$370,414.00		OBJECT CLASS: 31	AUTHORIZATION ACT / APPROP NO: 27
-0-		BUREAU CONTROL NO: 41701	TYPE CODE: 2D
$370,414.00		COST CODE: 7441483140	
		LINE ITEM: 176	FOB ORIGIN NO:

Funds in the amount of $370 414.00 are hereby provided for the procurement of the below listed Teletype Equipment:

Item	Qty	Unit	Article	FSN
1.	1	each	Teletype Set, AN/FGC-79A	5815-930-3420
2.	13	each	Teletype Set, AN/FGC-100	5815-946-3622
3.	1	Each	Teletypewriter Set, AN/UGC-20	5815-921-8356
4.	13	Each	Teletype Set, TT-47J/UG	5815-072-5407
5.	17	Each	Teletypewriter Set, TT-171A/UG	5815-679-2780
6.	1	Each	Teletype Set, TT-187C/UG	5815-763-2012
7.	10	Each	Teletype Set, TT-192A/UG	5815-752-1167
8.	1	Each	Teletype Set, TT-253D/UG	5815-868-8515
9.	9	Each	Teletype Set, AN/UGC-6K	5815-925-5094
10.	7	Each	Universal Torn Tape System, consisting of:	
			1 each TT-331A/UG	5815-013-7924
			1 each TT-332A/UG	5815-013-7925
			2 each TT-333A/UG	5815-902-3185
			Operational, Maintenance and Repair Parts Manuals (see note #10)	
	1	Lot	Interim Repair Parts Support Provisioning Documentation in accordance with MIL-I-82110(MC)	

Delivery under this ordering in accordance with MIL-I-82110(MC) is

URGENT

and IT PRIORITY 02 has been assigned.

J. A. BUTTNER
By dir. of P. R. TYLER

P. R. TYLER
MAJGEN USMC QMGMC

7 Jun 1967

NOTES TO PROCURING ACTIVITY:

1. DELIVERY: 15 February 1968 or earlier. If delivery schedule cannot be accomplished by the Procuring Activity, it is requested that the Quartermaster General of the Marine Corps (CSG-6), be notified immediately [illegible] can be taken to revise the existing schedule or take other steps to satisfy the requirement.

2. EQUIPMENT: The Purchasing Activity is not authorized to deviate from the particular equipment model specified, as cited on this purchase request, without prior approval from the Quartermaster General of the Marine Corps (CSG-6). Authorized deviations will be confirmed by amendment to this purchase request.

3. INSPECTION: All items shall be subject to inspection by the cognizant inspector of the Purchasing Activity as to the material and workmanship for compliance with the applicable specifications during manufacture and prior to shipment.

4. CONTRACTOR PRODUCTION PROGRESS REPORTS: To be furnished in accordance with DOD Instruction 4 200 4, paragraph III, beginning with the first month of production.

5. SHIPMENTS EFFECTED BY GOVERNMENT BILLS OF LADING: A memorandum copy of completed Government Bills of Lading (Standard Form 1103a), with the estimated transportation charges entered thereon should be forwarded to the Commandant of the Marine Corps (COS-3), Washington, D. C., as early as possible after shipment.

6. FINANCIAL STATUS REPORT: A DD 1097 is required quarterly on Direct [illegible] of Funds Procurement.

7. The Federal Stock Numbers, cited herein, are being verified by the Commanding General, Marine Corps Supply Activity, Philadelphia, Pa., as being valid FSN's for reporting receipts and/or issues.

8. PRESERVATION, PACKAGING AND PACKING: Preservation, packaging and packing Level "A" per MIL-E-17555E desired. Level "C" acceptable if [illegible] or other complications would result due to prior contractor Pack level.

9. MARKING INSTRUCTIONS:

a. Each case to be marked III MAF Teletypewriter Equipment.
b. Priority to be determined for all items is authorized.
c. Delivery of all items will be to Commanding Officer, (MFSAA1) First [illegible] Equipment (FMFPAC), Camp Pendleton, California 92055 and [illegible] with appropriate RDD.

ITEM	QTY	UNIT	RUC
1	4	Ea	26370(M/F COC)
1	1	Ea	11001
[illegible]	[illegible]	Ea	11001
[illegible]	[illegible]	Ea	13001
2	1	Ea	01027
2	[illegible]	Ea	FSAA1
3	1	Ea	01027
4	1	Ea	26370(M/F SSO)
4	6	Ea	11001
[illegible]	4	Ea	FSAA1
5	1	Ea	26370(M/F SSO)
5	13	Ea	11001
5	1	Ea	13001
[illegible]	2	Ea	01027
6	1	Ea	26370(M/F SSO)
6	5	Ea	11001
[illegible]	[illegible]	Ea	01027
[illegible]	[illegible]	[illegible]	FSAA1
[illegible]	1	[illegible]	26370 (M/F SSO)
[illegible]	7	Ea	11001
[illegible]	6	Ea	01027
7	4	Ea	FSAA1
8	1	Ea	11001
9	2	Ea	26370(M/F COC)
[illegible]	[illegible]	Ea	26370(M/F SSO)
[illegible]	[illegible]	[illegible]	13001
9	2	Ea	FSAA1
10	2	Ea	26370 (M/F COC)
10	2	Ea	11001
10	1	Ea	13001
10	1	Ea	01027
[illegible]	1	Ea	FSAA1

9. Ship [illegible] repair parts support provisioning documentation to the Commanding General (P816) Marine Corps Supply Activity, Philadelphia, Pennsylvania 19120.

10. Pack [illegible] #1 thru #10 to be packed with two (2) each appropriate Operational, Maintenance and Repair Parts Manuals.

11. Accounting Chargeable: 17X1109.0074 22 41665 27 2D M741/99317.

12. INVOICE INSTRUCTIONS: Invoices in quintriplicate (original certified) are to be submitted to the Commandant of the Marine Corps (CSG-6) for payment.

13. It is requested that receipt of Items #1 through #10, be reported to the Commandant of the Marine Corps (CSG-6), in order that payment may be accomplished.

14. If this procurement is forwarded to the Defense Contract Administration Services (DCAS), for contract administration, payment will be made by the regional (DCASR) office. Otherwise payment is to be made per Note # 12.

15. Request an acceptance, by message, be furnished this Headquarters (CSG-6) and the Commanding General (P836), Marine Corps Supply Activity, Philadelphia, Pennsylvania, indicating whether materiel is to be supplied by direct citation or through reimbursement.

COPY TO:
CO(MFSAA1) 1st. FSR FMFPAC Camp Pendleton Calif (6)
CG(P460) MCSA Phila Pa
CG(P580) MCSA Phila Pa
CG(P620) MCSA Phila Pa
CG(P828/5)MCSA Phila Pa
CG(P836) MCSA Phila Pa (6)
CG(P840) MCSA Phila Pa
[redacted]Ln Rep MCSC Albany Ga
[redacted]S)
CMC(AO4C)(2)
CMC(COS-3)
CMC(CSX-3)
CMC(CSY-3)
[redacted]
[redacted]
CMC(CSS-5)

MARINE CORPS PROCUREMENT REQUEST
NAVMC HQ 349-FD (REV. 6-65)
Previous editions will not be used

37

[redacted]SG-6-evp

[redacted]uartermaster General of the Marine Corps (CSG-6), Headquarters,
U. S. Marine Corps, Washington, D. C. 20380 (GySgt Vigliotti OX 42375)

TO

Commander, Naval Electronics Systems Command, 5808 Leesburg Pike,
Baileys Crossroads, Virginia 22041 (Attn: Code 0122)

REFERENCE

HEADQUARTERS COMMITMENT AUTH. NO.	AMENDMENT NO.	APPROPRIATION AND SUBHEAD	
M00027/7145/4414	1	17X1109.0074	
THIS AUTHORIZATION		OBJECT CLASS	AUTHORIZATION ACCT. ACTIVITY NO.
-0-		31	27
PREVIOUS AUTHORIZATION		BUREAU CONTROL NO.	TYPE CODE
$370,414.00		41701	2D
NEW TOTAL		COST CODE	
$370,414.00 NO CHANGE		7441483140	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION *(Specifications, Items, Quantity, Estimated Costs and Additional Instructions)*

MCPR M00027/7145/4414 for the procurement of Teletype Equipment for Maintenance Float and Maintenance Test, is amended to change note 9.c. to read, "Delivery of all items will be to the Commanding Officer (MC100), First Force Service Regiment, Force Logistics Command, Fleet Marine Force, Pacific, Danang, [redacted]epublic of Vietnam (G-3) and marked with appropriate RUC.

[redacted]ILSTRIP PRIORITY 02 FAD II

All other provisions and fiscal data remain the same.

Request a DD-448-2 Notice of Acceptance, original and four (4) copies be furnished this Headquarters (CSG-6) with one copy to the Commanding General (P836) Marine Corps Supply Activity, Philadelphia, Pennsylvania 19146.

Copy to:
CO (MFSAA1) 1st FSR, FMFPAC, Camp Pendleton Calif (6)
CO (MFSAA1) 1st FSR, FMFPAC, Danang. South Vietnam (6)
CG (P460) MCSA Phila Pa
CG (P580) MCSA Phila Pa
CG (P820) MCSA Phila Pa
CG (P828/5) MCSA Phila Pa
CG (P836) MCSA Phila Pa (4)
CG (P840) MCSA Phila Pa
CMC (AS)
CMC (A04C) (2)
CMC (COS-3)
CMC (CSX-3)
CMC (CSY-3)
CMC (CSY-10)
CMC (CSY-12)
[redacted] (CSS-6)

URGENT
"SEA"

SIGNATURE	TYPED NAME AND TITLE	DATE
R. L. FRASER By dir. of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	18 July 1967

A-1476

MARINE CORPS PROCUREMENT REQUEST
NAVMC HQ 349-FD (REV. 6-65)
Previous editions will not be used

CSG-6-evp

37 File R-2

[redacted]artermaster General of the Marine Corps (CSG-6), Headquarters, U. S. Marine Corps, Washington, D. C. 20380 (GySgt. Vigliotti OX 42375)

TO

Commander, Naval Electronics Systems Command, 5805 Leesburg Pike, Baileys Crossroads, Virginia 22041 (Attn: Code 0122)

REFERENCE

HEADQUARTERS COMMITMENT AUTH. NO.	AMENDMENT NO.	APPROPRIATION AND SUBHEAD	
M00027/7145/4414	3	17X1109.0074	
THIS AUTHORIZATION		OBJECT CLASS	AUTHORIZATION ACCT. ACTIVITY NO.
-0-		31	27
PREVIOUS AUTHORIZATION		BUREAU CONTROL NO.	TYPE CODE
$370,414.00		41701	2D
NEW TOTAL		COST CODE	
$370,414.00 NO CHANGE		7441483140	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION *(Specifications, Items, Quantity, Estimated Costs and Additional Instructions)*

This amendment is issued to revise shipping instructions for: items # 4, # 6, # 7, # 8 and # 10.

ITEM	QTY	UNIT	SHIP TO:
[redacted]	13	each	Supply Officer (N228) Naval Supply Center Oakland, California M/F Naval Communication Command Equity
6	14	each	-do-
7	18	each	-do-
8	1	each	-do-
10	7	each	-do-

URGENT
VSEA

The above quantities are replacements in kind for like quantities transferred to the Marine Corps from the Naval Supply Center, Oakland and shipped to Vietnam.

MILSTRIP PRIORITY 02 FAD II

All other provisions and fiscal data remain the same.

Request a DD-448-2 Notice of Acceptance, original and four (4) copies be furnished this Headquarters (CSG-6) with one copy to the Commanding General (P836) Marine Corps Supply Activity, Philadelphia, Pennsylvania 19146.

[redacted]

SIGNATURE	TYPED NAME AND TITLE	DATE
J. A. BITTNER By dir. of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	27 Sep 1967

A-1474

Copy to:
CG (P460) MCSA Phila Pa
CG (P470) MCSA Phila Pa
CG (P580) MCSA Phila Pa
CG (P820) MCSA Phila Pa
CG (P828/5) MCSA Phila Pa (2)
CG (P836) MCSA Phila Pa (4)
CG (P840) MCSA Phila Pa
HQMC Ln Rep MCSC Albany Ga
CMC (AS)
CMC (COS-3)
CMC (CSS-6)
CMC (CSY-3)
CMC (CSY-10)
CO 1st FSR, FLG, FMFPAC, Danang RVN (MFSAA1) (6)
SO (N228) NSC, Oakland, Calif (6)
CMC (CSY-12)
CMC (CSX-3)
CMC (A04C) (2)

MARINE CORPS PROCUREMENT REQUEST
NAVMC HQ 349-FD (REV. 6-65)
Previous editions will not be used

37

File F-3

CSG-6-eve

Quartermaster General of the Marine Corps (CSG-6), Headquarters, U. S. Marine Corps, Washington, D. C. 20380 (GySgt. Vigliotti OX 42375)

TO

(25) Commander, Naval Electronics Systems Command (052M), Department of the Navy, Washington, D. C. 20360

REFERENCE

(a) NavElex ltr N00600-67-D-0770 Ser 336-052M of 5 Apr 68

HEADQUARTERS COMMITMENT AUTH. NO.	AMENDMENT NO.	APPROPRIATION AND SUBHEAD	
M00027/7145/4414	4	17X1109.0074	
THIS AUTHORIZATION		OBJECT CLASS	AUTHORIZATION ACCT. ACTIVITY NO.
$35,153.85 Decrease		31	27
PREVIOUS AUTHORIZATION		BUREAU CONTROL NO.	TYPE CODE
$370,414.00		41701	2D
NEW TOTAL		COST CODE	
$335,260.15		7441483140	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION (*Specifications, Items, Quantity, Estimated Costs and Additional Instructions*)

This amendment is issued to decrease funds in the amount indicated for the procurement of: Teletype Equipment for Maintenance Float and Maintenance Test per reference (a).

URGENT

UMMIPS PRIORITY 02 FAD II

All other provisions and fiscal data remain the same.

Request a DD-448-2 Notice of Acceptance, original and four (4) copies be furnished this Headquarters (CSG-6) with one copy to the Commanding General (P836) Marine Corps Supply Activity, Philadelphia, Pennsylvania 19146.

Copy to:
(40) CG (P460) MCSA Phila Pa
(41) CG (P470) MCSA Phila Pa
(42) CG (P475) MCSA Phila Pa
(43) CG (P580) MCSA Phila Pa
(44) CG (P820) MCSA Phila Pa
(45) CG (P828/5) MCSA Phila Pa (2)
(46) CG (P836) MCSA Phila Pa (4)
(47) CG (P840) MCSA Phila Pa
(61) HQMC LNO MCSC Albany Ga 31704
CMC (AS)
CMC (COS-3)
CMC (CSS-6)
CMC (CSY-3)
CMC (CSY-10)
CMC (CSY-12)
CMC (CSX-3)
CMC (A04C) (2)
CO, 1st FSR, FLG, FMFPAC, Danang, RVN (MFSAA1) (6)
SO (N228) NSC, Oakland, Calif (6)

Disregard numbers preceding addresses. For internal use of HQMC (CSG-6) only.

SIGNATURE	TYPED NAME AND TITLE	DATE
J. A. BITTNER By direction of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	16 Apr 1968

MARINE CORPS PROCUREMENT REQUEST

CSG-6-[illegible]

Quartermaster General of the Marine Corps (CSG-6), Headquarters, U. S. Marine Corps, Washington, D. C. 20380 (GySgt. Vigliotti OX 42375)

Commander, Naval Electronics Systems Command, 5805 Leesburg Pike, Baileys Crossroads, Virginia 22041 (Attn: Code 0122)

M0002[illegible]7151/4615	AMENDMENT NO. Basic	APPROPRIATION AND SUBHEAD 17X1109.0074	
$[illegible],952.20		OBJECT CLASS 31	AUTHORIZATION ACCT. ACTIVITY NO. 27
-0		BUREAU CONTROL NO. 41701	TYPE CODE 2D
[illegible]		POST CODE 7441583140	
		LINE ITEM 176	JOB ORDER NO.

(See Instructions for Special Data and Additional Instructions)

Funds in the amount of $244,952.20 are hereby provided for the procurement of the below listed Teletype Equipment for Maintenance Float and Maintenance Test:

ITEM	QTY	UNIT	ARTICLE:
1.	23	each	TT-315, component of TF-331A/UG
2.	23	each	TT-317, component of TT-332A/UG
3.	20	each	TT-334, component of TT-333A/UG
4.	15	each	TT-386, component of AN/FGC-100
5.	6	each	TT-418/FG, component of AN/FGC-79
6.	20	each	TT-437/UG, component of AN/UGC-6K and TT-47J/UG
7.	10	each	TT-387/UG, component of TT-47J/UG
8.	10	each	TT-252/UG, component of AN/UGC-6
9.	1[illegible]	each	TT-266, component of TT-192/UG and AN/UGC-6
10.	10	each	TT-433/UG, component of AN/UGC-6
11.	1[illegible]	each	TT-439/UG, component of TT 187 and AN/UGC 6
12.	13	each	RL-216, component of TT-332A/UG
[illegible]	[illegible]	each	MOTOR, PD-17A
[illegible]	20	each	MOTOR, PD-67/U
15	11	each	MOTOR, LMU-24
16	[illegible]	each	MOTOR, LMU-38
17.	1[illegible]	each	Universal Trans. Counter, TT-333/FGC-59 - deleted amend 4.
18.	[illegible]	each	Terminal Telegraph, 2036L, FSN 5805-930-4715
19.	0	each	Transmit/Torn Tape Monitor, TT-462A/UG
20	0	each	Test Set, Distortion, TS-383B/GG, FSN 5825-641-1943
21.	0	each	Cleaner, Ultra-Sonic, Branson Instrument, Inc., Model A-1200
22	0	each	Test Set, AN/GGM-2, FSN 6625-930-4491 - deleted amend 7
23	0	each	Test Set, Relay, TS-1194/U FSN 6625-752-8613
24	0	each	Test Unit for AN/UGC 6 - deleted amend 4

	TYPED NAME AND TITLE	DATE
L. A. BITTNER By direction of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	7 Jun 1967

ITEM	QTY	UNIT	ARTICLE
		each	Operational Maintenance and Repair Parts Manuals (see note # 10)
26.	1	lot	Interim Repair Parts Support Provisioning Documentation in accordance with MIL-I-82110(MC).

Interim Repair Parts ordering in accordance with MIL-I-82110(MC), is required.

[redacted] Priority 02 has been assigned.

NOTES TO PROCURING ACTIVITY

1. DELIVERY. 15 February 1968 or earlier. If delivery schedule cannot be accomplished by the Procuring Activity, it is requested that the Quartermaster General of the Marine Corps (CSG-6), be notified immediately so that action can be taken to revise the existing schedule or take other steps to satisfy the requirement.

2. EQUIPMENT: The Purchasing Activity is not authorized to deviate from the particular equipment model specified, as cited on this purchase request, without prior approval from the Quartermaster General of the Marine Corps (CSG-6). Authorized deviations will be confirmed by amendment to this purchase request.

3. INSPECTION. All items shall be subject to inspection by the cognizant inspector of the Purchasing Activity as to the material and workmanship for compliance with the applicable specifications during manufacture and prior to shipment.

4. MONTHLY PRODUCTION PROGRESS REPORTS: To be furnished in accordance with DOD Instruction 4.200.4, paragraph III, beginning with the first month of production.

5. [redacted] AS GOVERNMENT BILLS OF LADING: A memorandum copy of completed Government Bills of Lading (Standard Form 1103a), with the estimated transportation charges entered thereon should be forwarded to the Commandant of the Marine Corps (CGS 4), Washington, D. C., as early as possible after shipment.

6. FINANCIAL STATUS REPORT: A DD 1097 is required quarterly on Direct Citation [redacted] amount.

7. The Federal Stock Numbers, cited herein, are being verified by the Commanding General, Marine Corps Supply Activity, Philadelphia, Pa., as being valid FSN's for reporting receipts and/or issues. FSN's will be confirmed by amendment to this MCPR.

8. PRESERVATION, PACKAGING AND PACKING: Preservation, packaging and packing level "A" per MIL-E-17555E desired. Level "C" acceptable if delay in delivery or other complications would result due to prior contract PPP levels.

9. Shipping Instructions:

a. Each case to be marked III MAF Teletypewriter Equipment.
b. Priority 01 airshipment for all items is authorized.
c. Delivery of all items will be to Commanding Officer (MFSAA1), First Force Service Regiment, ~~FMFPAC, Camp Pendleton, California 92055~~ FORCE LOGISTIC COMMAND — amend, and marked with appropriate RUC.

ITEM	QTY	UNIT	RUC
1 & 2	9	each	26370
1 & 2	3	each	11001
1 & 2	2	each	13001
1 & 2	4	each	01027
1 & 2	2	each	FSA-A1
1 & 2	3	each	26370 M/F Task Force XRAY
3	6	each	26370
3	1	each	11001
3	2	each	13001
3	4	each	01027
3	2	each	FSA-A1
3	3	each	26370 M/F Task Force XRAY
4	9	each	26370
4	1	each	11001
4	2	each	13001
4	4	each	01027
4	2	each	FSA-A1
5	1	each	26370
5	1	each	11001
6	6	each	26370
6	10	each	11001
6	2	each	13001
6	4	each	01027

ITEM	QTY	UNIT	RUC
6	2	each	FSA-A1
6	2	each	26370 M/F Task Force XRAY
[illegible]	2	each	26370
[illegible]	2	each	11001
[illegible]	2	each	13001
7	1	each	FSA-A1
[illegible]	1	each	26370 M/F Task Force XRAY
8	3	each	26370
8	3	each	11001
8	1	each	13001
8	1	each	01027
8	1	each	FSA-A1
8	1	each	26370 M/F Task Force XRAY
9	3	each	26370
9	4	each	11001
9	1	each	13001
9	5	each	01027
9	2	each	FSA-A1
9	2	each	26370 M/F Task Force XRAY
[illegible]	3	each	26370
[illegible]	3	each	11001
10	1	each	13001
10	1	each	01027
10	1	each	FSA-A1
10	1	each	26370 M/F Task Force XRAY
11	4	each	26370
11	5	each	11001
11	1	each	13001
11	4	each	01027
11	2	each	FSA-A1
11	1	each	26370 M/F Task Force XRAY
12	4	each	26370
12	5	each	11001
[illegible]	1	each	13001
[illegible]	4	each	01027
[illegible]	2	each	FSA-A1
[illegible]	2	each	26370 M/F Task Force XRAY
[illegible]	10	each	26370
[illegible]	5	each	11001
[illegible]	1	each	13001
[illegible]	1	each	01027

Basic

ITEM	QTY	UNIT	RUC
13&14	2	each	FSA-A1
13&14	1	each	26370 M/F Task Force XRAY
	2	each	26370
15	1	each	11001
15	1	each	13001
15	4	each	01027
15	1	each	FSA-A1
15	2	each	26370 M/F Task Force XRAY
16	2	each	26370
	1	each	11001
16	1	each	13001
16	2	each	01027
16	1	each	FSA-A1
16	1	each	26370 M/F Task Force XRAY
17	6	each	26370
17	1	each	11001
17	1	each	13001
17	3	each	01027
	1	each	FSA-A1
	2	each	26370 M/F Task Force XRAY
18	1	each	26370
18	1	each	11001
18	1	each	01027
19 thru 24	1	each	26370
19 thru 24	1	each	11001
19 thru 24	1	each	13001
19 thru 24	1	each	01027
19 thru 24	1	each	FSA-A1
19 thru 24	1	each	26370 M/F Task Force XRAY

d. Ship the interim repair parts support provisioning documentation to the Commanding General (PS30), Marine Corps Supply Activity, Philadelphia, Pa., 19146.

10. Operational Maintenance and repair parts manuals are not required for Maintenance Float items but are required for Test Equipment. (Two per each item).

11. Transportation Chargeable. 17X1109.0074 22 41665 27 20 M741/99317.

12. [illegible] DISTRIBUTION: Invoices in quintuplicate (original certified) are to be submitted to the Commandant of the Marine Corps (CSG-6) for payment.

13. It is requested that receipt of Items # 1 through # 24 be reported to the Commandant of the Marine Corps (CSG-6), in order that payment may be accomplished.

14. If this procurement is forwarded to the Defense Contract Administration Services (DCAS) for contract administration, payment will be made by the regional (DCASR) office. Otherwise payment is to be made per Note # 12.

15. Request an acceptance, by message, be furnished this Headquarters (CSG-6) and the Commanding General (P836), Marine Corps Supply Activity, Philadelphia, Pennsylvania, indicating whether materiel is to be supplied by direct citation or through reimbursement.

Copy to:
CO (MFSAA1) 1St FSR, FMFPAC, Camp Pendleton, Calif (6)
CG (P460) MCSA Phila Pa
CG (P580) MCSA Phila Pa
CG (P820) MCSA Phila Pa
CG (P8284/5) MCSA Phila Pa
[illegible] MCSA Phila Pa (4)
CG (P840) MCSA Phila Pa
HQMC Ln Rep MCSC Albany Ga
CMC (AS)
CMC (AO4C) (2)
CMC (COS-3)
CMC (CSX-3)
CMC (CSV-3)
[illegible]
CMC (CSS-5)

MARINE CORPS PROCUREMENT REQUEST
NAVMC HQ 349-FO (REV. 6-65)
Previous editions will not be used

37
File F-3

CSC-6-evp

FROM
Quartermaster General of the Marine Corps (CSG-6), Headquarters,
U. S. Marine Corps, Washington, D. C. 20380 (GySgt Vigliotti OX 42375)

TO
Commander, Naval Electronics Systems Command, 5805 Leesburg Pike,
Baileys Crossroads, Virginia 22041 (Attn: Coe 0122)

REFERENCE

HEADQUARTERS COMMITMENT AUTH. NO.	AMENDMENT NO.	APPROPRIATION AND SUBHEAD	
M00027/7151/4415	1	17X1109.0074	
THIS AUTHORIZATION		OBJECT CLASS	AUTHORIZATION ACCT. ACTIVITY NO.
-0-		31	27
PREVIOUS AUTHORIZATION		BUREAU CONTROL NO.	TYPE CODE
$244,952.20		41701	2D
NEW TOTAL		COST CODE	
$244,952.20 NO CHANGE		7441583140	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION *(Specifications, Items, Quantity, Estimated Costs and Additional Instructions)*

MCPR M00027/7151/4415 for the procurement of Teletype Equipment for Maintenance Float and Maintenance Test, is amended to change note 9.c. to read "Delivery of all items will be to the Commanding Officer (MC100), First Force Service Regiment, Force Logistics Command, Fleet Marine Force, Pacific, Danang, Republic of Vietnam (G-3) and marked with appropriate RUC.

[redacted]STRIP PRIORITY 02 FAD II

All other provisions and fiscal data remain the same.

Request a DD-448-2 Notice of Acceptance, original and four (4) copies be furnished this Headquarters (CSG-6) with one copy to the Commanding General (P836) Marine Corps Supply Activity, Philadelphia, Pennsylvania 19146.

Copy to:
CO (MFSAA1) 1st FSR, FMFPAC, Camp Pendleton Calif (6)
CO (MFSAA1) 1st FSR FMFPAC, Danang, South Vietnam (6)
CG (P460) MCSA Phila Pa
CG (P580) MCSA Phila Pa
CG (P820) MCSA Phila Pa
CG (P828/5) MCSA Phila Pa
CG (P836) MCSA Phila Pa (4)'
CG (P840) MCSA Phila Pa
CMC (AS)
CMC (A04C) (2)
[redacted]MC (COS-3)
CMC (CSX-3)
CMC (CSY-3)
CMC (CSY-10)
CMC (CSY-12)
[redacted] (CSS-6)

URGENT
"SEA"

SIGNATURE	TYPED NAME AND TITLE	DATE
R. L. FRASER By dir. of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	18 July 1967

A-1474

MARINE CORPS PROCUREMENT REQUEST
NAVMC HQ 349-FD (REV. 6-65)
Previous editions will not be used

File F-3

CSG-6-eve

[redacted]termaster General of the Marine Corps (CSG-6), Headquarters, U. S. Marine Corps
Washington, D. C. 20380 (GySgt. Vigliotti OX 42375)
TO

Commander, Naval Electronics Systems Command (052M), Department of the Navy,
Washington, D. C. 20360
REFERENCE

(a) NavElexSysCmd ltr Ser 42-052M of 16 Jan 1968

HEADQUARTERS COMMITMENT AUTH. NO.	AMENDMENT NO.	APPROPRIATION AND SUBHEAD	
M00027/7151/4415	4	17X1109.0074	
THIS AUTHORIZATION		OBJECT CLASS	AUTHORIZATION ACCT. ACTIVITY NO.
$37,500.00 Decrease		31	27
PREVIOUS AUTHORIZATION		BUREAU CONTROL NO.	TYPE CODE
$226,952.20		41701	2D
NEW TOTAL		COST CODE	
$189,452.20		7441583140	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION *(Specifications, Items, Quantity, Estimated Costs and Additional Instructions)*

This amendment is issued to decrease funds in the amount indicated for the procurement of: Teletype Equipment for Maintenance Float and Maintenance Test and to delete Item #18 (Terminal Telegraph, 2036L, FSN 5805-930-4715) and Item #24 (Test Unit for AN/UGC-6) in their entirety.

[redacted]IPS PRIORITY 02 FAD II

All other provisions and fiscal data remain the same.

Request a DD-448-2 Notice of Acceptance, original and four (4) copies be furnished this Headquarters (CSG-6) with one copy to the Commanding General (P836) Marine Corps Supply Activity, Philadelphia, Pennsylvania 19146.

URGENT
"SEA"

Copy to:
CG (P460) MCSA Phila Pa
CG (P470) MCSA Phila Pa
CG (P475) MCSA Phila Pa
CG (P580) MCSA Phila Pa
CG (P820) MCSA Phila Pa
CG (P828/5) MCSA Phila Pa (2)
CG (P836) MCSA Phila Pa (4)
CG (P840) MCSA Phila Pa
HQMC Ln Rep MCSC Albany Ga
CMC (AS)
CMC (COS-3)
CMC (CSS-6)
CMC (CSY-3)
CMC (CSY-10)
CMC (CSY-12)
CMC (CSX-3)
[redacted] (A04C) (2)
[redacted]MFSAA1) 1st FSR FLG FMFPac Danang RVN (G-3) (6)

SIGNATURE	TYPED NAME AND TITLE	DATE
J. A. BITTNER By direction of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	20 Feb 1968

A-1474

MARINE CORPS PROCUREMENT REQUEST
HQMC HQ 349-FD (REV. 6-65)
Previous editions will not be used

CSG-6-eve

37 File F-3

FROM

Quartermaster General of the Marine Corps (CSG-6), Headquarters, U. S. Marine Corps
Washington, D. C. 20380 (GySgt. Vigliotti OX 42375)

TO

(25) Commander, Naval Electronics Systems Command (052M), Department of the Navy,
Washington, D. C. 20360

REFERENCE

HEADQUARTERS COMMITMENT AUTH. NO.	AMENDMENT NO.	APPROPRIATION AND SUBHEAD	
M00027/7151/4415	5	17X1109.0074	
THIS AUTHORIZATION		OBJECT CLASS	AUTHORIZATION ACCT. ACTIVITY NO.
$30,000.00 Decrease		31	27
PRIOUS AUTHORIZATION		BUREAU CONTROL NO.	TYPE CODE
$189,452.20		41701	2D
NEW TOTAL		COST CODE	
$159,452.20		7441583140	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION *(Specifications, Items, Quantity, Estimated Costs and Additional Instructions)*

This amendment is issued to decrease funds in the amount indicated for the procurement of: Teletype Equipment for Maintenance Float and Maintenance Test.

URGENT
"SEA"

UMMIPS PRIORITY 02 FAD II

All other provisions and fiscal data remain the same.

Request a DD-448-2 Notice of Acceptance, original and four (4) copies be furnished this Headquarters (CSG-6) with one copy to the Commanding General (P836) Marine Corps Supply Activity, Philadelphia, Pennsylvania 19146.

Copy to:
(40) CG (P460) MCSA Phila Pa
(41) CG (P470) MCSA Phila Pa
(42) CG (P475) MCSA Phila Pa
(43) CG (P580) MCSA Phila Pa
(44) CG (P820) MCSA Phila Pa
(45) CG (P828/5) MCSA Phila Pa (2)
(46) CG (P836) MCSA Phila Pa (4)
(47) CG (P840) MCSA Phila Pa
(61) HQMC LNO MCSC Albany Ga 31704
CMC (AS)
CMC (COS-3)
CMC (CSS-6)
CMC (CSY-3)
CMC (CSY-10)
CMC (CSY-12)
CMC (CSX-3)
CMC (A04C) (2)
CG (MFSAA1) 1st FSR FLG FMFPac Danang RVN G-3 (6)

Disregard numbers preceding addresses. For internal use of HQMC (CSG-6) only.

SIGNATURE	TYPED NAME AND TITLE	DATE
J. A. BITTNER By direction of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	25 Mar 1968

A-1474

MARINE CORPS PROCUREMENT REQUEST
NAVMC HQ 348-FD (REV. 6-65)
Previous editions will not be used

File P-3

CSG-6-eve

Quartermaster General of the Marine Corps (CSG-6), Headquarters, U. S. Marine Corps, Washington, D. C. 20380 (GySgt. Vigliotti OX 42375)

TO

(25) Commander, Naval Electronics Systems Command (052M), Department of the Navy, Washington, D. C. 20360

REFERENCE

(a) NavElex ltr 9670 Ser 348-052M of 15 Apr 68

HEADQUARTERS COMMITMENT AUTH. NO.	AMENDMENT NO.	APPROPRIATION AND SUBHEAD	
M00027/7151/4415	6	17X1109.0074	
THIS AUTHORIZATION		OBJECT CLASS	AUTHORIZATION ACCT. ACTIVITY NO.
$24,619.60 Decrease		31	27
PREVIOUS AUTHORIZATION		BUREAU CONTROL NO.	TYPE CODE
$159,452.20		41701	2D
NEW TOTAL		COST CODE	
$134,832.60		7441583140	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION *(Specifications, Items, Quantity, Estimated Costs and Additional Instructions)*

This amendment is issued to decrease funds in the amount indicated for the procurement of: Teletype Equipment for Maintenance Float and Maintenance Test per reference (a).

UMMIPS PRIORITY 02 FAD II

URGENT
"SEA"

other provisions and fiscal data remain the same.

Request a DD-448-2 Notice of Acceptance, original and four (4) copies be furnished this Headquarters (CSG-6) with one copy to the Commanding General (P836) Marine Corps Supply Activity, Philadelphia, Pennsylvania 19146.

Copy to:
(40) CG (P460) MCSA Phila Pa
(41) CG (P470) MCSA Phila Pa
(42) CG (P475) MCSA Phila Pa
(43) CG (P580) MCSA Phila Pa
(44) CG (P820) MCSA Phila Pa
(45) CG (P828/5) MCSA Phila Pa (2)
(46) CG (P836) MCSA Phila Pa (4)
(47) CG (P840) MCSA Phila Pa
(61) HQMC LNO MCSC Albany Ga 31704
CMC (AS)
CMC (COS-3)
CMC (CSS-6)
CMC (CSY-3)
CMC (CSY-10)
CMC (CSY-12)
CMC (CSX-3)
CMC (A04C) (2)
CG (MFSAA1) 1st FSR FLG FMFPac Danang RVN G-3 (6)

regard numbers preceding addresses. For internal use of HQMC (CSG-6) only.

SIGNATURE	TYPED NAME AND TITLE	DATE
J. A. BITTNER By direction of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	18 Apr 1968

MARINE CORPS PROCUREMENT REQUE
NAVMC HQ 349-FD (REV. 6-65)
Previous editions will not be used

37

File F-3

CSG-6-evb

Quartermaster General of the Marine Corps (CSG-6), Headquarters, U. S. Marine Corps
Washington, D. C. 20380 GySgt. Vigliotti OX-42375

TO

(25) Commander, Naval Electronics Systems Command (052M), Department of the Navy,
Washington, D. C.

REFERENCE

HEADQUARTERS COMMITMENT AUTH. NO.	AMENDMENT NO.	APPROPRIATION AND SUBHEAD	
M00027-7151-4415	7	17X1109.0074	
THIS AUTHORIZATION		OBJECT CLASS	AUTHORIZATION ACCT. ACTIVITY NO.
-0-		31	27
PREVIOUS AUTHORIZATION		BUREAU CONTROL NO.	TYPE CODE
$134,832.60		41701	2D
NEW TOTAL		COST CODE	
$134,832.60 NO CHANGE		7441583140	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION *(Specifications, Items, Quantity, Estimated Costs and Additional Instructions)*

This amendment is issued to delete item #22, Test Set, AN/GGM-2 from the procurement of Teletype Equipment for Maintenance Float and Maintenance Test.

UMMIPS PRIORITY 02 FAD II

URGENT
"SEA"

All other provisions and fiscal data remain the same.

Request a DD-448-2 Notice of Acceptance, original and four (4) copies be furnished this Headquarters (CSG-6) with one copy to the Commanding General (P836) Marine Corps Supply Activity, Philadelphia, Pennsylvania 19146.

Copy to:
(40) CG (P460) MCSA Phila Pa
(41) CG (P470) MCSA Phila Pa
(42) CG (P475) MCSA Phila Pa
(43) CG (P580) MCSA Phila Pa
(44) CG (P820) MCSA Phila Pa
(45) CG (P828/5) MCSA Phila Pa (2)
(46) CG (P836) MCSA Phila Pa (4)
(47) CG (P840) MCSA Phila Pa
(61) HQMC LNO MCSC Albany Ga 31704
CMC (AS)
CMC (COS-3)
CMC (CSS-6)
CMC (CSY-3)
CMC (CSY-10)
CMC (CSY-12)
CMC (CSX-3)
CMC (A04C) (2)
CG (MFSAA1) 1st FSR FLG FMFPAC DANANG RVN G-3 (6)

Disregard numbers preceding addresses. For internal use of HQMC (CSG-6) only.

SIGNATURE	TYPED NAME AND TITLE	DATE
J. A. BITTNER By dir. of P. R.TYLER	P. R. TYLER MAJGEN USMC QMGMC	23 April 1968

[redacted]-jle-613

26 Nov 68

Assistant Chief of Staff, G-4

Quartermaster General

Terminal Telegraph, 2036L; status of procurement

REF: (a) MIPR M00027/7151/4415 of 7 Jun 1967
(b) Amendment No. 4 to MIPR M00027/7151/4415 of 20 Feb 1968
(c) CG FMFPAC ltr 10D3/bkh Ser 001141 of 15 Oct 68 (NOTAL)

1. Reference (a) is a UMMIPS priority 02 MIPR to the Naval Electronics Systems Command for the procurement of Teletype Equipment for Maintenance Float and Maintenance Test.

2. Reference (b) is an amendment to reference (a) and deletes Item #18, Terminal Telegraph, 2036L, FSN 5805-[redacted]-4715.

3. Reference (c) again reiterates the urgent requirement for the AN/FCC-19 (commercially known as Terminal Telegraph, 2036L).

4. Request this Division be provided with the necessary information upon which to base a reply to reference (c) to include expected delivery date to III MAF units.

A. M. Zimmer
By direction

Copy to:
A04A
A04C

11/13/68

A04C-pjs-613

A04C ACTION BRIEF

PROBLEM: To obtain necessary wireline multiplex equipment to support III MAF fixed communications centers.

DISCUSSION: As part of the procurement package to support the fixed plant teletypewriter program within III MAF, QMG was requested to procure three AN/FCC-19's (commercially known as terminal telegraph, 2036L).

Although this procurement was assigned an 02 priority, to date this item is still not under contract.

In reference (c), FMFPAC requested priority action to procure AN/FCC-19's for use within III MAF.

RECOMMENDATION: Sign proposed memo to QMG.

APPROVED_____

DISAPPROVED_____

ACTION OFFICER: MAJ Fred CISESWKI, A04C/613/ext. 42542

37 file

CSY-3-fjt

4 file F-3

FEB 2 9 1968

Director, Technical Division

Director, Financial Management Division

High Capacity Teletypewriter Equipment, PWO 74415, dtd 18Jul67

Ref : (a) MCPR M00027/7151/4415, High Capacity Teletypewriter Equipment

Encl : (1) CSY-3 Comments on NAVELEX ltr, M00027/7151/4451 ser 42-052M dtd 30Jan68

1. Enclosure (1) indicates two (2) additional items which cannot be procured by NAVELEX on reference (a).

2. This Division recommended that these items be deleted from reference (a) and the total funds be decreased in the appropriate amount.

3. It is requested that a new PWO be initiated for the procurement of the following equipment:

a. 3 ea Terminal Telegraphs, 2036L. Estimated total cost: $38,000.

4. The test units for the AN/UCC-6, will not be required.

J. C. GONZALEZ
By direction

Copy to:
CSC-6
A04C
CSY-12
CSX-3

RECEIVED
29 FEB 1968
HQMC
A04C

NAVSO 5216/2 (REV. 6-65) S/N 0104-1650

USE FOR URGENT LETTERS ONLY

NAVAL SPEEDLETTER

DO NOT CLEAR THROUGH COMMUNICATION OFFICE

(One box must be checked)

☐ REGULAR MAIL ☐ SPECIAL DELIVERY

☐ AIR MAIL ☐ REGISTERED MAIL

CLASSIFICATION

IN REPLY REFER TO

CSG-6-cvp
4200-5/70414
Phone Contact OX 42375

DATE

MAR 12 1968

TO:

Commander
Naval Electronic Systems Command (052M)
Department of the Navy
Washington, D. C. 20360

(Fold)

NAVAL SPEEDLETTER–

Permits dispatch or informal language.

May be sent (1) with enclosures, (2) in a window envelope (size 6¾" x 3¾"), if contents are not classified as confidential or higher, (3) to both naval and nonnaval activities.

Subj: Fixed Plant Teletype Equipment

Ref: (a) MCPR M00027/7145/4414
(b) MCPR M00027/7151/4415

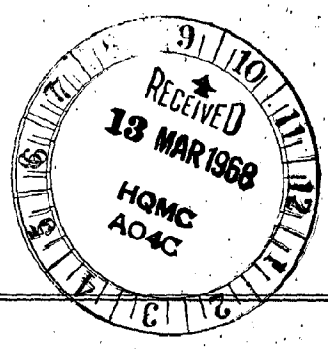
Information has been received at this Headquarters, indicating that split and incomplete shipments are being received by the consignee designated on references (a) and (b).

As stated on the addendums to references (a) and (b) and in order to locate all required items, it is requested that this Headquarters (CSG-6) be furnished the appropriate copies of all shipping documents applicable to references (a) and (b).

It is also requested that copies of shipping documents for items 04, 06, 07, 08 and 010 of reference (a), that were furnished by the Naval Supply Center at Oakland, be furnished this Headquarters (CSG-6).

Priority handling is requested.

R. L. FRASER
By direction



COPY TO
CG FMF PAC
CG FLC
CG III MAF
CG MCB Cam Pen

Blind copy to: CMC (A04C)

ADDRESS:

Commandant of the Marine Corps
Headquarters, U. S. Marine Corps
Washington, D. C. 20380

SENDER'S MAILING ADDRESS

Address reply as shown at left; or reply hereon and return in window envelope (size 6¾" x 3¾"), if not classified as confidential or higher.

CLASSIFICATION

A-1637

CHANGE TRANSMITTAL SHEET
NAVMC HQ 496-GS (11-64)

FILE RF 2

FROM ☒ QMGMC ☐ CMC (AO4) ☐ *(Other)*

TO ☐ CMC (AO4) ☐ QMGMC ☐ *(Other)*

CODE

DATE 6 Apr 67

REFERENCE

CHANGE NO. 134-67

FY _____ CONSOLIDATED PROCUREMENT LIST OF _____

PART A (QMGMC OR G-4 DIVISION)

CHANGE IN REFERENCE IS

☐ REQUESTED ☐ URGENT - REQUEST COMPLETION BY _____ ☐ AN INCREASE IN QUANTITY OR DOLLARS *(and SecNavInst 7043.2 of 22 Jun 57 has been complied with).*

☐ APPROVED ☐ ROUTINE - INCLUDE IN NEXT UPDATE OF REFERENCE

RESOURCE CATEGORY | NOMENCLATURE

ITEM	TYPE CHANGE				CURRENTLY AUTHORIZED	AMOUNT OF CHANGE	NEW AUTHORIZATION
	INCR.	DECR.	ADD	DELETE			
QUANTITY							
DOLLARS					$	$	$

REASON FOR CHANGE

SIGNATURE	TITLE	DATE

PART B (G-4 DIVISION)

RECEIVED AO4G *(Date)*	ROUTED TO AO4 _____	RECOMMENDATION AO4 _____ ☐ APPROVES ☐ DISAPPROVES	
SEE ATTACHED ☐ COMMENTS ☐ CODE SHEET		SIGNATURE	DATE
AO4G DETERMINATION ☐ YES ☐ NO		SIGNATURE	DATE

PART C (FISCAL DIVISION)

FISCAL DETERMINATION	SIGNATURE	DATE
☐ DOES NOT REQUIRE FISCAL DETERMINATION IN ACCORDANCE WITH HQO 7133.1 ☐ CONCUR ☐ NON-CONCUR ☐ COMMENTS ATTACHED		

PART D (G-4 DIVISION) - Disapprovals, urgent requests

CHANGE REQUESTED IS

☐ APPROVED AS SHOWN IN PART A ☐ MODIFIED AS FOLLOWS

☐ DISAPPROVED ☐ *(and SecNavInst 7043.2 of 22 Jun 57 has been complied with)*

ITEM	TYPE CHANGE				CURRENTLY AUTHORIZED	AMOUNT OF CHANGE	NEW AUTHORIZATION
	INCR.	DECR.	ADD	DELETE			
QUANTITY							
DOLLARS					$	$	$

REMARKS

SIGNATURE	TITLE	DATE
/S/ W. J. VAN RYZIN	AC/S, G-4 HQMC	6 APR 67

COPY TO: QMGMC, AS, AO4A, AO4G, AO4 _____

D-19280

24 Mar 1947

Code	Unit Price	Quant	Total Price
[illegible]-59	22,704	7	158,928
[illegible] 19	1,108	5	20,540
[illegible] 100	5,305	13	67,165
[illegible] 6	3,042	8	24,336
[illegible] 20	1,185	1	1,185
TT-11	1,305	13	16,965
TT-171	1,119	19	21,261
TT-157	3,100	14	43,400
TT-[illegible]2	785	18	14,130
TT-[illegible]3	1,200	1	1,200
TT-15	447	23	10,281
TT-317	378	23	8,694
TT-334	348	20	6,960
TT-336	611	15	9,165
TT-418	611	6	3,666
TT-437	578	26	15,548
TT-387	185	10	1,850
TT-252	503	10	5,030
TT-266	503	17	8,551
TT-433	704	10	7,040
TT-439	160	17	2,720
RL-216	225	12	2,700
[illegible] 19	12,500	3	37,500
[illegible]-111	14	27	1,296
[illegible]-111	52	29	1,508
[illegible]-211	59	11	649

[illegible] (DD-105/116)	414	8	3,312
Universal Trans Counter	3.52	102	11,224
USCG Test Unit (DDS53-10)	375	6	2,250
TS-353	362	6	2,172
Ultrasonic Scale Cleaner	10,226	6	61,356
Signal Key Tester	850	6	5,100
Dive E	6,500	2	13,000
			581,202

GRAND TOTAL → ~~[illegible]~~

Quartermaster General

A04C-mah-37
1 4 AUG 1967

Assistant Chief of Staff, G-4

High Capacity Teletypewriter Equipment

Ref: (a) MCFR M00027/7145/4414
(b) PhonCon Lt FURNISS NAVCOMMCOM and Maj CISEWSKI A04C of 4 Aug 1967

1. Reference (a) provided funds to the Naval Electronics System Command for procurement of teletypewriter equipment to satisfy an urgent requirement within III MAF and additionally assigned a priority 02 and requested delivery by 15 February 1968.

2. Reference (b) indicated several items listed in reference (a) are currently available on a nonreimbursable basis and can be shipped to III MAF immediately, provided these assets could be replaced through the procurement action initiated in reference (a).

3. It is therefore requested that paragraph 9 of reference (a) be modified to amend shipping instructions for items 4, 6, 7, 8 and 10 to the Marine Corps Supply Center, Barstow, California, marked "Hold for CMC Instructions."

4. It is further requested that appropriate action be taken to ship these teletypewriter sets, without reimbursement, to the Supply Officer (N228) Naval Supply Center, Oakland, California, marked for "Naval Communication Command Equity." Transportation costs should be borne by the Marine Corps.

5. This is an URGENT Priority 02 requirement.

W. E. REYNOLDS JR
By direction

Copy to:
A04A
A04J
A04C
COS-3
CSX-3
CSY-3
CSY-10
CSY-12
CSS-5

A04C-jle-37
10 AUG 1967

A04C BRIEF on proposed memo to QMG, Subj: High Capacity Teletypewriter Equipment

Problem: To obtain high capacity teletypewriter equipment to satisfy an urgent III MAF requirement.

Background:

1. During December 1966, CG FMFPAC expressed an urgent requirement for additional high capacity teletypewriter equipment for units within III MAF.

2. On 6 March 1967, CNO was requested to provide the necessary teletypewriter and ancillary equipment (TAB A).

3. On 21 March 1967, CNO stated no resources were available to meet the requirements and requested CMC funding for new procurement (TAB B).

4. On 6 April 1967, the A C/S, G-4 signed CPL 134-67 to initiate procurement.

5. On 7 June 1967, the QMG issued M-00027/7145/4414 to the Naval Electronics System Command to provide funds for procurement of high capacity teletypewriter equipment (reference (a)).

Discussion:

1. Through continuous monitoring of this project the following information was obtained from the Naval Communication Command:

a. A reconfiguration of a Naval Communication Center would temporarily free certain teletypewriter equipment required by III MAF.

b. That this equipment could be immediately air shipped to III MAF, provided CMC replaces this equipment through the procurement action initiated in reference (a).

c. Spare parts would not be provided with this equipment.

2. Liaison with the FMFPAC staff indicates that the equipment is urgently required and that spare parts support is adequate and can support the additional equipment.

3. Liaison with the Naval Communication Command indicates that deliveries under reference (a) will not be made by 15 February 1968 and may be as late as August 1968.

A04C-jle-37

10 AUG 1967

Conclusion:

That a significant portion of an urgent III MAF requirement can be satisfied in a timely manner by accepting the Navy's offer to exchange equipment.

Recommendation: Sign the enclosed memorandum to the QMG.

Action Officer: Major F. L. CISEWSKI, Ext 42542, A04C.

JOHN LEMAY, JR.

MARINE CORPS PROCUREMENT REQUEST
NAVMC HQ 349-FD (REV. 6-65)
Previous editions will not be used

37 file F-3

CSG-6-eve

Quartermaster General of the Marine Corps (CSG-6)

TO

Quartermaster General of the Marine Corps (CSG-5)

REFERENCE

(a) Contract Branch memo CSG-5-Ae of 6 Mar 68

HEADQUARTERS COMMITMENT AUTH. NO.	AMENDMENT NO.	APPROPRIATION AND SUBHEAD	
M00027-8-74561	1	17X1109.0074	
THIS AUTHORIZATION		OBJECT CLASS	AUTHORIZATION ACCT. ACTIVITY NO.
$4,992.00 Increase		31	27
PREVIOUS AUTHORIZATION		BUREAU CONTROL NO.	TYPE CODE
$18,000.00		41701	1G
NEW TOTAL		COST CODE	
$22,992.00		7456157000	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION *(Specifications, Items, Quantity, Estimated Costs and Additional Instructions)*

This amendment is issued to increase funds in the amount indicated for the procurement of: 6 each Ultrasonic Cleaner, A-1200 per reference (a).

UMMIPS PRIORITY 06 FAD II

URGENT "SEA"

All other provisions and fiscal data remain the same.

Copy to:
CG (P460) MCSA Phila Pa
CG (P470) MCSA Phila Pa
CG (P475) MCSA Phila Pa
CG (P580) MCSA Phila Pa
CG (P820) MCSA Phila Pa
CG (P828/5) MCSA Phila Pa (2)
CG (P836) MCSA Phila Pa (4)
CG (P840) MCSA Phila Pa
HQMC Ln Rep MCSC Albany Ga
CMC (AS)
CMC (COS-3)
CMC (CSS-6)
CMC (CSY-3)
CMC (CSY-10)
CMC (CSY-12)
CMC (CSX-3)
CMC (A04C) (2)

SIGNATURE	TYPED NAME AND TITLE	DATE
J. A. BITTNER By direction of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	15 Mar 1968

A-1474

MARINE CORPS PROCUREMENT REQUEST
NAVMC HQ 890-FB (REV. 6-59)
Previous editions will not be used

CSG-6-eve

37 file F-3 fe

Quartermaster General of the Marine Corps (CSG-6)

TO

Quartermaster General of the Marine Corps (CSG-5)

REFERENCE

Encl: (1) PWO 74571 dtd 4 Mar 1968.

HEADQUARTERS COMMITMENT NUMB. NO.	ARCHIVE NO.	APPROPRIATION AND SUBHEAD	
M00027-8-74571	Basic	17X1109.0074	
THIS AUTHORIZATION		PROJECT CODE	AUTHORIZATION ACCT. ACTIVITY NO.
$38,000.00		31	27
PREVIOUS AUTHORIZATION		ALLOTMENT SERIAL NO.	TYPE CODE
-0-		41701	2D
NEW TOTAL		DEBT CODE	
$38,000.00		74571183140	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION (Specifications, Items, Quantity, Estimated Costs and Additional Instructions)

ITEM	QTY	UNIT	ARTICLE	EST U/C	EST T/C
1.	3	each	Terminal Telegraph, 2036L per DCR-ENSP-320-45	$12,667.00	$38,000.00
	1	lot	Provisioning Technical Documentation per MIL-M-17993D(MC) with illustrations for Repair Parts List MIL-I-21630 (MC) and MIL-M-17993D(MC).		
3.	3	each	Commercial Technical Manual per enclosure (1).		

URGENT SEA

UMMIPS PRIORITY 06 FAD II

STOCK REPAIR PARTS SUPPORT REQUIRED - Per MIL-M-17993D(MC)

All other instructions per enclosure (1).

SIGNATURE	TYPED NAME AND TITLE	DATE
J. A. BITTNER By direction of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	8 Apr 1968

A-1474

Copy to:

(40) CG (P460) MCSA Phila Pa
(41) CG (P470) MCSA Phila Pa
(42) CG (P475) MCSA Phila Pa
(43) CG (P580) MCSA Phila Pa
(44) CG (P820) MCSA Phila Pa
(45) CG (P828/5) MCSA Phila Pa (2)
(46) CG (P836) MCSA Phila Pa (4)
(47) CG (P840) MCSA Phila Pa
(61) HQMC LNO MCSC Albany Ga 31704
CMC (AS)
CMC (COS-3)
CMC (CSS-6)
CMC (CSY-3)
CMC (CSY-10)
CMC (CSY-12)
CMC (CSX-3)
CMC (A04C) (2)

Disregard numbers preceding addresses. For internal use of HQMC (CSG-6) only.

MARINE CORPS PROCUREMENT REQUEST
NAVMC HQ 349-FD (REV. 6-65)
previous editions will not be used

-6-evp

39 48 file R-2

Quartermaster General of the Marine Corps (CSG-6), Headquarters, U. S. Marine Corps, Washington, D. C. 20380 (GySgt. Vigliotti OX 42375)
TO

Commander, Naval Electronic Systems Command, 5805 Leesburg Pike, Baileys Crossroads, Virginia 22041 (Attn: Code 0122)
REFERENCE

HEADQUARTERS COMMITMENT AUTH. NO.	AMENDMENT NO.	APPROPRIATION AND SUBHEAD	
M00027-8-74557	BASIC	17X1109.0074	
THIS AUTHORIZATION		OBJECT CLASS	AUTHORIZATION ACCT. ACTIVITY NO.
$7,143.00		31	27
PREVIOUS AUTHORIZATION		BUREAU CONTROL NO.	TYPE CODE
-0-		41701	1G
NEW TOTAL		COST CODE	
$7,143.00		7455757000	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION *(Specifications, Items, Quantity, Estimated Costs and Additional Instructions)*

ITEM	QTY	UNIT	ARTICLE	EST U/C	EST T/C
1.	3	each	Teletypewriter, TT-234/SGA-3 FSN 5815-505-3060	$1,481.00	$4,443.00
	3	each	Reperforator, Teletypewriter TT-192A/UG FSN 5815-752-1167	$ 900.00	$2,700.00
3.	1	lot	Provisioning Technical Documentation per MIL-M-17993D(MC) with illustrations for Repair Parts List MIL-I-21630 (MC) and MIL-M-17993D(MC).		
4.	6	each	Operational Maintenance Manual for TT-234/SGA-3		
5.	6	each	Repair Parts Manual for TT-234/SGA-3		
6.	6	each	Operational Maintenance Manual for TT-192A/UG		
7.	6	each	Repair Parts Manual for TT-192A/UG		

Monthly Production Progress Reports are to be furnished in accordance with DOD Instructions 4200.4, Paragraph III, beginning with the first month of production.

UMMIPS PRIORITY 02 FAD II

STOCK REPAIR PARTS SUPPORT REQUIRED - Per MIL-M-17993D(MC)

SIGNATURE	TYPED NAME AND TITLE	DATE
J. A. BITTNER By dir. of P. R. TYLER	P. R. TYLER MAJGEN USMC QMGMC	6 Nov 1967

A-1474

Request a DD-448-2 Notice of Acceptance, original and four (4) copies be furnished this Headquarters (CSG-6), with one copy to the Commanding General (P836), Marine Corps Supply Activity, Philadelphia, Pennsylvania 19146.

All communications and documents concerning this procurement must cite the Marine Corps MCPR Number

If this procurement is forwarded to the Defense Contract Administration Services (DCAS) for contract administration, payment will be made by the regional DCASR office.

NOTES TO PROCURING ACTIVITY

1. DELIVERY DATE: 1 June 1968 or earlier.

2. Furnish CMC (CSG-6) copy of all shipping documents or Milstrip Directives.

3. DELIVERY INSTRUCTIONS: If delivery schedule cannot be accomplished by the Procuring Activity, it is requested that the Quartermaster General of the Marine Corps (CSG-6) be notified immediately so that action can be taken to revise the existing schedule or take other steps to satisfy the requirements.

4. Concurrent delivery of necessary manuals and supporting spare parts are required with each end item.

SHIPPING INSTRUCTIONS:

ITEM	QTY	UNIT	SHIP AND INVOICE TO:
1 and 2	2	each	Commanding Officer (M31001) Headquarters and Service Battalion Marine Corps Base Camp Lejeune, N. C. 28542 M/F association with AN/SGA-3
1 and 2	2	each	Commanding Officer (M20021) Headquarters and Service Battalion Fleet Marine Force, Pacific M/F association with AN/SGA-3 FPO, San Francisco, Calif 96602
3	1	lot	Commanding General (P836) Marine Corps Supply Activity 1100 South Broad Street Philadelphia, Pennsylvania 19146
4 thru 7	6	each	Two (2) each packed and shipped with each of item 1 and 2, respectively.

6. Furnish evidence of receipt of material to the Commandant of the Marine Corps (CSG-6) citing applicable MCPR Number.

7. INSPECTION: All items shall be subject to inspection by the Cognizant Inspector of the Purchasing Activity, as to the material and workmanship for compliance with the applicable specifications during manufacture and prior to shipment.

8. FINANCIAL STATUS REPORT: A DD-1097 is required quarterly on direct citation of Fund Procurement.

9. Payment will be made by the Quartermaster General of the Marine Corps (CSG-6).

10. TRANSPORTATION CHARGEABLE: 17X1109.0084 22 41665 27 2D 99317/M741

11. PRESERVATION PACKAGING AND PACKING: Preserved and Packaged and Packed Level "A" in accordance with specification MIL-E-17555E. "Level C" acceptable if delay in delivery or other complications would result due to prior contract PPP levels.

12. EQUIPMENT: The Purchasing Activity is not authorized to deviate from this purchase request without prior approval from the Quartermaster General of [redacted] Marine Corps (Code CSG-6). Authorized deviations will be confirmed [redacted] amendment to the purchase request.

13. FEDERAL STOCK NUMBER: To be verified at a later date by amendment.

Copy to:
CG (P460) MCSA Phila Pa
CG (P470) MCSA Phila Pa
CG (P580) MCSA Phila Pa
CG (P820) MCSA Phila Pa
CG (P828/5) MCSA Phila Pa (2)
CG (P836) MCSA Phila Pa (4)
CG (P840) MCSA Phila Pa
HQMC LN Rep MCSC Albany Ga
CMC (AS)
CMC (COS-3)
CMC (CSS-6)
CO (M31001) H&SBN MCB CLNC (6)
CO (M20021) H&SBN FMFPAC (6)
CMC (CSY-3)
CMC (CSY-10)
CMC (CSY-12)
CMC (CSX-3)
[redacted]MC (A04C) (2)
CG (MSA 01) MCSC Albany Ga (6)
CG (MSA 02) MCSC Barstow Calif (6)
[redacted](A430) MCSC Albany Ga (6)
[redacted](B430) MCSC Barstow Calif (6)

MARINE CORPS PROCUREMENT REQUEST
[illegible] 349-FD (REV. 6-65)
editions will not be used
[illegible]-6-eve

37

File F-3

Quartermaster General of the Marine Corps (CSG-6), Headquarters, U. S. Marine Corps
Washington, D. C. 20380 (GySgt. Vigliotti OX 42375)
TO

Commander, Naval Electronics Systems Command (052M), Department of the Navy,
Washington, D. C. 20360
REFERENCE

HEADQUARTERS COMMITMENT AUTH. NO.	AMENDMENT NO.	APPROPRIATION AND SUBHEAD	
M00027-8-74557	1	17X1109.0074	
THIS AUTHORIZATION		OBJECT CLASS	AUTHORIZATION ACCT. ACTIVITY NO.
-0-		31	27
PREVIOUS AUTHORIZATION		BUREAU CONTROL NO.	TYPE CODE
$7,143.00		41701	1G
NEW TOTAL		COST CODE	
$7,143.00 No Change		7455757000	
		LINE ITEM	JOB ORDER NO.
		176	

DESCRIPTION *(Specifications, Items, Quantity, Estimated Costs and Additional Instructions)*

This amendment is issued to revise shipping instructions for: 3 each Teletypewriter, TT-234/SGA-3, FSN 5815-505-3060 and 3 each Reperforator, Teletypewriter, TT-192A/UG, FSN 5815-752-1167.

[illegible]PPING INSTRUCTIONS: Items #1 and #2 change to quantity one (1) each in lieu [illegible]wo (2) each to be shipped to Commanding Officer (M20021), Headquarters and Service Battalion, Fleet Marine Force, Pacific, FPO, San Francisco, California.

URGENT
"SEA"

[illegible]MTPS PRIORITY 02 FAD II

All other provisions and fiscal data remain the same.

Request a DD-448-2 Notice of Acceptance, original and four (4) copies be furnished this Headquarters (CSG-6) with one copy to the Commanding General (P536) Marine Corps Supply Activity, Philadelphia, Pennsylvania 19146.

Copy to:
[illegible] (MSA 01) MCSC Albany Ga (6)
[illegible] (MSA 02) MCSC Barstow Calif (6)
[illegible] (A430) MCSC Albany Ga (6)
[illegible] (B430) MCSC Barstow Calif (6)
[illegible] (P460) MCSA Phila Pa
[illegible] (P470) MCSA Phila Pa
[illegible] (P475) MCSA Phila Pa
[illegible] (P580) MCSA Phila Pa
[illegible] (P823) MCSA Phila Pa
[illegible] (P828/5) MCSA Phila Pa (2)
[illegible] (P836) MCSA Phila Pa (4)
[illegible] (P840) MCSA Phila Pa
[illegible] Gov Rep MCSC Albany Ga
[illegible] (M21001) H&S Bn MCB CLNC (6)
[illegible] (M20021) H&S Bn FMFPac (6)

CMC (AS)
CMC (COS-3)
CMC (CSS-6)
CMC (CSY-3)
CMC (CSY-10)
CMC (CSY-12)
CMC (CSX-3)
CMC (A04C) (2)

SIGNATURE	TYPED NAME AND TITLE	DATE
J. A. BITTNER [illegible]irection of F. R. TYLER	F. R. TYLER MAJGEN USMC QMGMC	21 Feb [illegible]

4/8/69

Memo for Record

Subj: SYLVANIA CONTRACT FOR III MAF Communications Study

1. SYLVANIA has people on the U.S. Army team that's evaluating communications in RVN. (H.R. HENN)

2. We should know exactly what the army program is in order to:

a. Prevent duplication

b. Block any unfavorable impact on USMC.

AO4C-pjs-613

Telecon for Record - 7 April 1969

Regarding: U. S. Army Program for Collection of RVN Communications Historical Data/ Lessons Learned

Called Major FITZGERALD, MALLARD Washington Office. He referred me to Major COX (Combat Comm Du).

Called Major COX (76244) who stated that the best point of contact would be Col REYNOLDS (C/S A) (75585). Col REYNOLDS recently was the Asst Director of the Task Force assigned to collect the data.

Called Col REYNOLDS. He stated that he had no copies of the questionaire used for thier study with him but would be glad to assist. by way of discussing how the Army program involved, look at our check lists and attempt to obtain Army questionaires for us.

Although he is a busy man, coordination of a visit with him can be effected through his secretary (Mrs. Ritchie 75585). He suggested Thursday A.M. (Rm 2E258).

III NAVY COMMUNICATIONS STUDY - TASK I SCHEDULE

C. EARLY
1 APRIL 1969

WEEK ENDING

TASK	MARCH 31	APRIL 5	12	17	26	MAY 3	10	17	24	31	JUNE 7	14	21	28	JULY 5	12	19	26	AUG 2	9	16	23	30	SEPT 6	13	20	27	OCT 4
A-1 CONTRACT AWARD	▽31																											
A-2 PREPARATION & REVIEW SURVEY FORMS		▽P 3		▽F 10																								
A-3 MAILING COORDINATION			▽0																						(▽X = DAY OF MONTH)			
A-4 FORMS FABRICATION				▽16 ▽19																								
A-5 FORMS DELIVERED					▽20																							
A-6 FORMS TO USMC FOR DISTRIBUTION					▽21	▽26	DISTRIBUTED NAVY BY USMC																					
A-7 PROGRAM SPECIFICATIONS PREPARATION (FORMAT, DATA)						▽F CODE, DEBUG, ETC.																						
A-8 TRAVEL TO EVN EVN SURVEY GUIDE TO DIRECTIONS TO EVN						▽30 ▽3 ▽3	2 DAYS			▽4	1 DAY			▽8	LAST UPDATE													
A-9 NEEDLINE DATA REDUCTION CONSOLIDATION										EARLY INPUTS																		
A-10 USMC NEEDLINE ADJUSTMENTS																				FINAL FORMAT PREP. ▽P USMC ▽								
A-11 NEEDLINES TO USMC DELIVERY																									▽F			
A-12 QUESTIONNAIRE DATA REDUCTION													▽1 WEEK ANALYSIS DATA		▽OTHER				COMM SYS DATA ▽								
A-13 DRAFT, ETC.																												
A-14 FINAL REPORT OUTLINE APPROVAL															▽DRFP ▽F							PREPARATION				▽P USMC DRAFT		
A-15 USMC NAVY EQPT. LIST INPUT															▽F													
A-16 TI MEETINGS		▽3 TASK I									▽12 TASKS II & III														▽26 TASKS I, II, III & IV			
A-17 PROGRESS REPORTS					▽20									▽26									▽26					

NAVDAC 24-69-C-0134

		Oct 11	18	25	Nov 1	8	15	22	29
A-14	REVIEW		13 ▽ SVL FINAL EDITING		29 ▽ F				
A-16			14 ▽	TASKS I & II					
A-17				▽ 27					

1 April, 1969
C. Early

TRUNK TRANSMISSION MEASUREMENTS
for
USMC VIET NAM STUDY

PLAN I

Purpose/Background

The proposed tri-service tactical switch, which the USMC will probably use, will employ SF (2600) HZ tone for trunk release supervision. There may be a problem in meeting the trunk noise limit of 58dBa0 to be specified for proper operation of the SF detector. The detector is to be designed for a false release rate of no more than one call in 10,000 at this noise power threshold, which is a 10-fold improvement over present commercial units giving a one call in 1000 rate at a lower noise threshold.

The tri-service switch may be designed to cut off or busy out trunks where the noise exceeds 58dBa0. Although intra-service trunking, i.e. USMC, could disable this feature, trunks to other services would be removed from service if the 58dBa0 is exceeded.

The USMC feels that many of their trunks in RVN may exceed this noise level, and that improvement in equipment and operator skill levels may be necessary if the new switch is to operate satisfactorily. Therefore, the USMC desires to have Sylvania make some representative measurements concurrently with the proposed Viet Nam study program.

Objectives of the Measurements

(1) Obtain noise level data on a representative quantity of trunks; some wire, radio relay, microwave and troposcatter should be included. Single link measurements will predominate, with some tandem links. Obtain channel test tone levels concurrently, so that faulty channels can be correlated with the noise data.

(2) Determine how improved SYSCON and TECHCON could assist in alleviating the excessive trunk noise problem through attention to:

a. Stricter TECHCON control of equipment line-up

b. TECHCON monitoring of channel noise parameters, either manually or automatically

c. SYSCON procedures for removing noisy circuits from service and re-routing, and threshold establishment

Recommendations to be included in study tasks C and D.

Test Plan

The measurements will be obtained by a third Sylvania engineer who will be separate from, and in addition to, the Sylvania survey team. This engineer will be on-site in RVN for a period of thirty days, during which time his sole mission will be the gathering of noise test data.

The following are goals for the number of measurements at each type of site or unit:

a.	Battalion/squadron	-7
b.	Regiment/wing	-10
c.	Division	-20
d.	Corps (III MAF)	-25
e.	Interfacing DCS and other trunks	-20

Total measurements will be approximately 180.

Test Report

A separate test report will be prepared. It will include test data sheets, narrative discussions and analysis of results such as probability density and cumulative probability distributions. Probable causes will be listed, where the source of the excessive noise has been observed during the site visits.

Test Equipment

Two model TTS-37B measuring sets (Northeast Electronics Corp) will be required. These are in the Sylvania inventory.

Costs

a. One transit case. (We have one case now)

b. Two batteries

c. Extra air baggage cost for 50 pounds

d. Field activity - 1 man-month

e. Final Report - .5 man-months

f. Travel to RVN and return

Personnel Requirements

A USMC equipment operator is required at each end of the trunk, at the carrier equipment van. They must send test tone when asked, and also terminate the far end in 600 ohms when the noise reading is to be taken.

The USMC must provide a test tone oscillator at the distant end (0dBm output or less). This is normally a part of the carrier equipment.

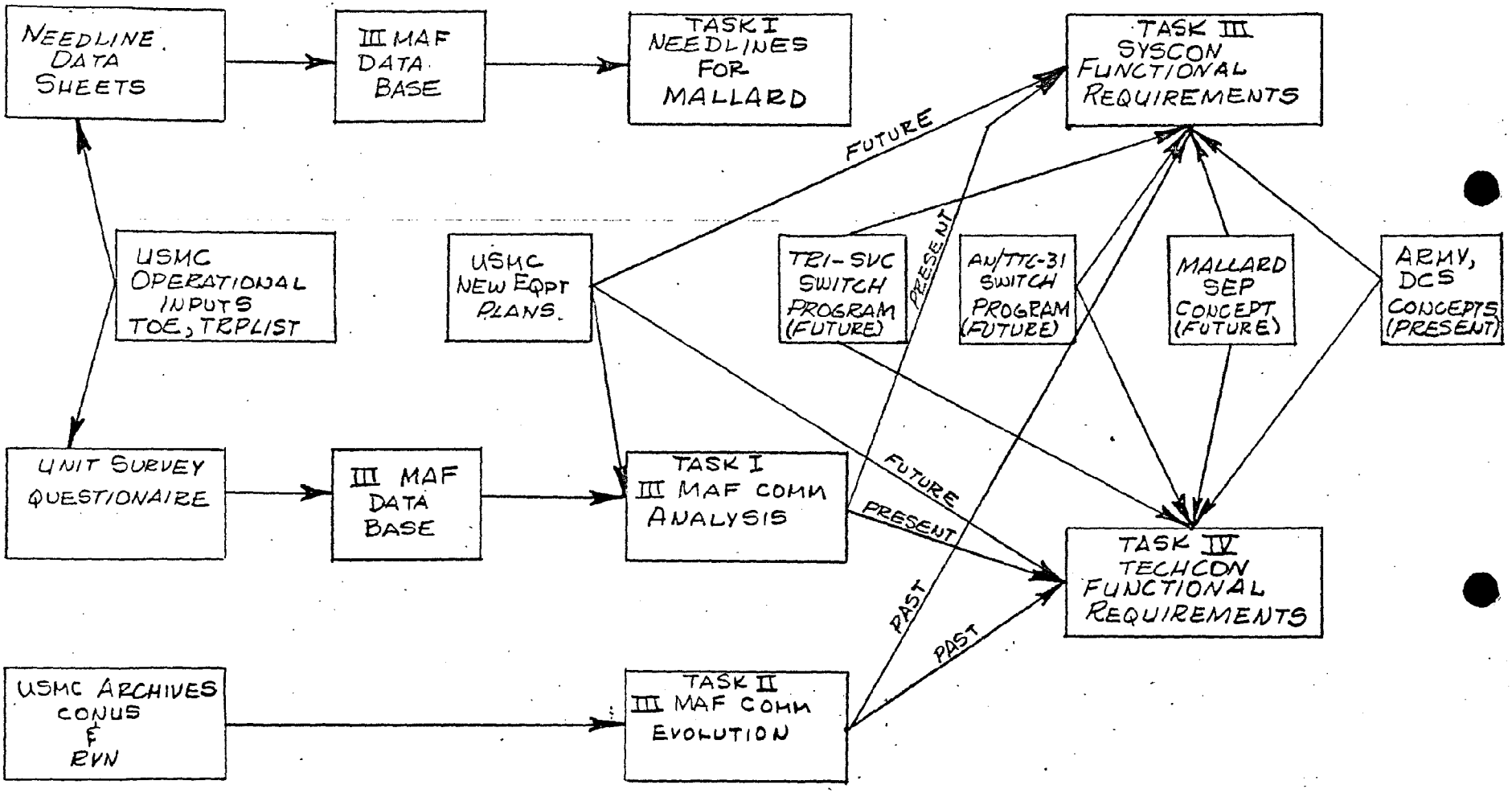
C. Early
1 April 1969

AGENDA

TI MEETING, 3 APRIL 1969

III MAF COMMUNICATIONS STUDY

1. Contract Implementation
   - 1.1 Sylvania Concept of the study plan and output
   - 1.2 Clarification
     - 1.2.1 Reproducible type copies of reports
     - 1.2.2 DD254 correction in wording
2. Final Needline Forms
   - 2.1 Draft copy review
   - 2.2 MALLARD pre-coordination requirements
3. Needline Data Collection Package
   - 3.1 Draft copy review
   - 3.2 Proposed data reduction and analysis
   - 3.3 USMC TOE and troop list inputs required
4. Unit Communications Questionaire
   - 4.1 Draft Copy review
   - 4.2 Proposed data reduction and analysis
   - 4.3 Data collected by survey team
   - 4.4 USMC TOE inputs required
5. Task I Plans
   - 5.1 Proposed schedule and RVN itinerary with gating items
   - 5.2 USMC pre-selling effort to field forces
   - 5.3 Administrative requirements
     - 5.3.1 Shots/Passports/Visas
     - 5.3.2 Arrangements for military orders, ID cards and uniform
     - 5.3.3 Coordination of travel schedules
6. Task II Plans
   - 6.1 Availability and location of USMC-provided archives and quantity
   - 6.2 Access of Sylvania personnel



III MAF COMMUNICATIONS STUDY-

STUDY FLOW DIAGRAM

CE
ZAPR 69

1. MALLARD - TYPE NEEDLINE FORMS
2. CONSOLIDATED UNIT COMMUNICATIONS SURVEY FORMS (QUESTIONAIRE)
3. CONSOLIDATED NEEDLINE DATA SHEETS
4. NARRATIVE FINAL REPORT
   A. HIGH LEVEL SYSTEM AND CIRCUIT DIAGRAM - III MAF SYSTEM DESCRIPTION. THE III MAF COMMUNICATIONS MISSION, UNIT LOCATIONS.
   B. SUMMARY OF EACH QUESTIONAIRE SUBJECT OR TABLE - SHOWING TRENDS AND SOME AMOUNT OF STATISTICAL ANALYSIS. CONCLUSIONS AS TO STATUS OF EQUIPMENT, PERSONNEL, AND TRAFFIC TO MEET THE III MAF COMMUNICATIONS MISSION.
   C. SUMMARY OF USER SATISFACTION (SUBSCRIBERS) WITH THE COMMUNICATIONS FACILITIES, FROM NEEDLINE DATA SHEETS.
   D. COMPARISON OF USER NEEDLINES WITH MEASURED TRAFFIC AND DISCUSSION OF DISCREPANCIES.
   E. POSTULATED PERFORMANCE WITH NEW EQUIPMENT IN NEAR-TERM.
   F. SUMMARY OF RECOMMENDATIONS FROM FIELD SIGNAL PERSONNEL.
   G. RECOMMENDATIONS FOR IMPROVEMENT BASED ON FIELD DATA AND SURVEY TEAM OBSERVATIONS.

THE CONSOLIDATED FORMS (ITEMS 2 AND 3) WILL BE REFERENCES IN THE FINAL REPORT, NOT INCLUDED IN THEIR ENTIRETY.

III MAF COMMUNICATIONS STUDY -

TASK I OUTPUTS

CE
2APR69

FILE ANNEX H
MAF HISTORICAL DATA
FILE.

M00027-69-C-0134 Sylvania Electric Products, Inc.

Copy to:

Commandant of the Marine Corps
Headquarters U.S. Marine Corps
Washington, D. C. 20380 M/F:

Code AS (1 conformed)
Code CSG-4 (1 conformed)
Code CHE-3 (1)
Code CSG-5 (1)
Code CSG-6 (2)
Code CSG-5A (1)
MCLO Albany, Ga. (1)
Code AX (1)
Code CSY-3 (1)
Code A04C (2)
Code CSS-5 (1)

Chief, DCASO SEP
Sylvania Electric Products,
77A Street
Needham, Massachusetts 02194 (2 conformed)

STANDARD FORM 26, JULY 1966
GENERAL SERVICES ADMINISTRATION
FED. PROC. REG. (41CFR) 1-16.101

dnz

AWARD/CONTRACT

LgeBus "J"

PAGE 1 OF 16

1. CONTRACT (Proc. Inst. Ident.) NO.	2. EFFECTIVE DATE	3. REQUISITION/PURCHASE REQUEST/PROJECT NO.	4. CERTIFIED FOR NATIONAL DEFENSE UNDER BSDA REG. 2 AND/OR DMS REG. 1. RATING: DO A-7
M00027-69-C-0134	69 MAR 28	HCA 7619	

5. ISSUED BY CODE	6. ADMINISTERED BY (If other than block 5) CODE	7. DELIVERY
CSG-5Ad Contracting Officer United States Marine Corps Headquarters U.S. Marine Corps Washington, D.C. 20380		[X] FOB DESTINATION [ ] OTHER (See below)

8. CONTRACTOR NAME AND ADDRESS (Street, city, county, State, and ZIP code)	CODE 851400 FACILITY CODE 1790 22	9. DISCOUNT FOR PROMPT PAYMENT
Sylvania Electric Products, Inc., Sylvania Electronic Systems Eastern Division 77 "A" Street, Needham Heights, Mass. 02194		10. SUBMIT INVOICES (4 copies unless otherwise specified) TO ADDRESS SHOWN IN BLOCK See Page 14

11. SHIP TO/MARK FOR CODE	12. PAYMENT WILL BE MADE BY CODE
See Page 12	See Page 14

13. THIS PROCUREMENT WAS [ ] ADVERTISED, [X] NEGOTIATED, PURSUANT TO:
[X] 10 U.S.C. 2304 (a)(11)
[ ] 41 U.S.C. 252 (c)( )
Sch: M00027-68-Q-0162

14. ACCOUNTING AND APPROPRIATION DATA

See Page 16

15. ITEM NO.	16. SUPPLIES/SERVICES	17 QUANTITY	18. UNIT	19. UNIT PRICE	20. AMOUNT

TABLE OF CONTENTS

The following checked Sections are contained in the Schedule

SECTION			SECTION		
x	A	Supplies or Services	x	F	Special Provisions
x	B	Description or Specifications	x	G	General Provisions
x	C	Preservation, Packaging & Packing		H	Evaluation & Award Factors
x	D	Deliveries	x	I	Contract Administration Data
x	E	Inspection & Acceptance	x	J	Summary of Contents

NEGOTIATION AUTHORITY

This contract is entered into as a result of negotiation pursuant to the authority of 10 U.S.C. 2304(a)(11); and any necessary determinations and findings, or other supporting statement of justification, prescribed by that law or by the Armed Services Procurement Regulation have been made.

MAXIMUM

21. TOTAL AMOUNT OF CONTRACT $ 175,500.00

CONTRACTING OFFICER WILL COMPLETE BLOCK 22 OR 26 AS APPLICABLE

22. [X] CONTRACTOR'S NEGOTIATED AGREEMENT (*Contractor is required to sign this document and return* 3 *copies to issuing office.*) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (*Attachments are listed herein.*)

26. [ ] AWARD (*Contractor is not required to sign this document.*) Your offer on Solicitation Number _____, including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.

NAME OF CONTRACTOR

(Signature of person authorized to sign)

27. UNITED STATES OF AMERICA

BY _____
(Signature of Contracting Officer)

24. NAME AND TITLE OF SIGNER (Type or print)	25. DATE SIGNED	28. NAME OF CONTRACTING OFFICER (Type or print)	29. DATE SIGNED
		DORAL A. HUPP United States Marine Corps	

SIGNATURE

26-103

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION A: SUPPLIES OR SERVICES				
1.	Study and Analysis of Marine Corps Telecommunications System Tactical Deployment and Equipment Environment, consisting of Tasks I through IV, as follows: Task I - Study and Analysis of the Existing Communications System which Supports the Third Marine Amphibious Force (III MAF) in Southeast Asia today. Task II- Study and Analysis of the Evolution of the Telecommunications System which supports III MAF. Task III- System Control (Syscon) Requirements Study. Task IV - Technical Control (Techon) Requirements Study.	45	Man-Months	.....	$175,000.00
2.	Letter-type Bi-Monthly Progress Reports.	4	Reports	(Price included in price of Item 1)	
3.	Final Reports for Task I; Task II; and Tasks III and IV, developed as the result of Study and Analysis under Item 1.	3	Reports	(Price included in price of Item 1)	
4.	Uniforms	(Total Cost Not to Exceed)			$ 500.00
		TOTAL MAXIMUM PRICE:.....			$175,500.00

SECTION B: DESCRIPTION OR SPECIFICATIONS

ITEM I:

TASK I - Outlined herein are the general scope and objectives of the required study and analysis of the existing communications system which supports the Third Marine Amphibious Force (III MAF) in Southeast Asia today.

The total communications system which supports III MAF shall be identified and analyzed in this study task. Data necessary for the performance of this task will be obtained in Vietnam by the Contractor through observation, written questionnaire and interview with III MAF personnel. The data gathered by the contractor shall be incorporated on summary data sheets for ease of analysis. The data sheets and the supporting analysis and identification of the total communications system which supports the III MAF as it exists today shall be documented in a final report. In addition, the report will include an identification of the communications system

☆ U.S. GOVERNMENT PRINTING OFFICE : 1966 OF—255-145 (9-G)

for a Marine Expeditionary Corps (MEC) expected to exist by 1970-1975, assuming the same force structure and deployment as exists presently in III MAF in Vietnam but recognizing that some newer communications equipments will be utilized in the 1970-1975 system. This system will be utilized as the baseline to perform the System Control and Technical Control tasks under Item 1, Tasks III and IV respectively.

APPLICABLE DOCUMENTS

Final Report	U. S. Marine Corps Tactical Switching System Study.
Standards Document	JCS Pub. 10 and 11

OBJECTIVES

The objective of this study is to define and analyze the existing total telecommunications system which supports III MAF in SEA excluding those communications below the battalion, battery and separate company level which utilize a preponderance of push-to-talk radio communications. The information will be gathered from USMC units in Vietnam and the definition of the existing communications system will be reported in the form of circuit diagrams and line route maps for the communications nodes and command post deployments presently existing. In addition a traffic analysis shall be made of the different types of voice and data traffic in the communications system utilizing the definitions of JCS Pub. 10 and 11 for the appropriate traffic classifications. Traffic analysis data will be summarized on summary data sheets supplied by the contractor in the format used for the Mallard Project and approved by the USMC Contracting Officer for this purpose. Traffic data will be corrected to the extent possible to reflect the period of intensified conflict for the USMC operational engagement in SEA. Traffic correction factors will be supplied by the USMC for this purpose.

Data shall be obtained by circulating a questionnaire, developed by the Contractor and approved by the USMC Contracting Officer, to all USMC units operating in Vietnam at Battalion level and higher. In addition interviews shall be conducted with selected USMC units as appropriate to ensure adequacy and accuracy of reported data. Communications external to III MAF such as to U.S. Army or Allied Forces are not a part of this study except that circuit interface quantities and types of interface traffic shall be included, obtained through use of the questionnaire and interview, as may be appropriate, with the USMC unit at the USMC interface point. (1)

In the analysis of the data collected, present problems associated with operation and maintenance of the communications system including interface incompatibilities shall be identified to the extent possible. Recommendations for solution shall be provided to the systems level as may be required. The circuit diagrams and line route maps for the deployed USMC III MAF units, the summary data sheets,

(1) WHAT ABOUT JP CRTS NCON DCS INCS USAGE

the traffic analysis, and the identification and systems solution of communications system problems, as may be uncovered in the course of this study, shall be documented in a final report. In addition, the report shall include a definition of the communications system for a Marine Expeditionary Corps expected to exist in the 1970-1975 time frame, assuming the same force structure and deployment as is determined to presently exist in Vietnam, but recognizing that some newer communications equipments will be utilized by the USMC in the 1970-1075 system. This system definition shall be utilized as the baseline to perform the Systems Control and Technical Control tasks under Item 1.

Area of Study

Specific topics to be considered under TASK I are listed below:

(a) Determination of network connectivity and communication need lines.

(b) Identification of all subscriber loops and terminal equipments.

(c) Identification of all trunks.

(d) Identification of transmission means and secure communications requirements.

(e) Identification of switching facilities and command, control and communications nodal points.

(f) Identification and location of deployed USMC units and their command organization.

(g) Identification of technical control facilities and their capabilities.

(h) Identification of communications nets.

(i) Identification and allocation of major communications equipment in present system.

(j) Identification of circuit interfaces with forces external to III MAF.

(k) Traffic statistics by types of traffic classification to include message length (minimum/maximum/mean), message origination frequency, mean time between transmissions, delay time. These statistics will be provided on a 24 hour averaged basis as well as on a maximum traffic busy hour averaged basis.

Summary Data Sheets

Following completion of the data collection phase of the study in Vietnam, ten copies of the III MAF communications summary data sheets shall be submitted to the Project Officer for review.

DATA PATTERN TRFC. CDS PER NLO.

TASK II - Outlined herein are the general scope and objectives of the required study and analysis of the evolution of the total communications system which supports the III MAF.

This task shall define the total communications system which supports III MAF as it evolved from its inception on 8 March 1965, when the first units of the force were deployed in South East Asia, to the communications system which exists at the present time. The study shall define the communications system which existed at various points in time and identify the changes to the system as it evolved for significant changes in USMC force level or force deployment. Data necessary for accomplishing this study task will be provided by the USMC in the form of government documents and/or correspondence permitting identification of the III MAF communications system during its earlier evolutionary phases; whereas data obtained by the contractor in Task I will be used to identify the system as it exists today. The results on this study defining the significant evolutionary phases of the III MAF communications system will be documented in a final report.

APPLICABLE DOCUMENTS

Documentation necessary for the performance of this study task will be supplied by Headquarters U.S. Marine Corps.

OBJECTIVES

The objective of this study is to define the III MAF communications system as it existed at various points in time since its inception on 8 March 1965. Of importance is the definition of the communications system at specific points in time which were accompanied by a significant change in USMC force level or force deployment such as:

a) Initial 9th MEB Deployment

b) RLT-4 Deployment

c) RLT-3 Deployment

d) 3rd Marine Division (re-inforced) Headquarters Deployment

e) 1st Marine Air Wing Headquarters Deployment

f) III MAF Headquarters Deployment

g) RLT-9 Deployment

h) RLT-7 Deployment

i) 1st Marine Division (re-inforced) Deployment

(5) IDENTIFIED - LET THEM DO THE LEGWORK.

j) Introduction of MTDS

k) RLT-26 Deployment

l) 9th MEB Reconstitution

m) RLT-27 Deployment and Extraction

n) Force re-deployment from Danang/Chulai to Danang/Northern I Corps

o) Evolution and deployments of FLC/FLSG's

p) Introduction of US Army forces into I Corps

q) Change in operational control of air support

Each of the communications systems shall be reported in the form of circuit diagrams and line route maps for the command, control, communications nodes and command post deployments that existed at that time. Changes to the communications system as it evolved due to significant changes in force level or deployment shall be noted. Data for the performance of this study will be provided by the USMC in the form of official documents or correspondence permitting identification of the III MAF communications system during its earlier evolutionary stages except for definition of the present III MAF system which will be provided as an output of Item 1, Task I of the contract. (X)

Area of Study

Specific topics to be considered under TASK II are listed below:

(a) Determination of tele-communications network connectivity and communication need lines.

(b) Identification and location of deployed USMC units and their command organization.

(c) Identification of switching facilities and command, control, communications nodal points.

(d) Identification of subscriber loops and trunks.

(e) Identification of transmission means.

(f) Identification and allocation of major communications equipment in systems.

(X) This will be sweet.

TASK III AND TASK IV - Outlined herein are the general scope and objectives of the required System Control (Syscon) and Technical Control (Techon) studies.

Under Task III, the contractor shall develop a first generation version of a plan which provides the basis to effectively operate and control the communications and switching system defined in Task I as that expected to exist in the 1970-1975 time frame for a Marine Expeditionary Corps (MEC).

Under Task IV, the contractor shall develop a first generation version of a plan for the performance of the technical control function for the communications center incorporating a tactical automatic switching system as would be deployed with a MEC in the 1970-1075 time period. The output of Task I defining the MEC deployment with its communications equipments expected to be operational by 1970-1975 including the tactical automatic switch shall serve as a basis for performing this Technical Control study. The study shall recognize how the Techcon function is presently performed in a MEC for the total communications system and shall make recommendations as may be appropriate, for the integration of some of these functions into the Techcon for the communications center associated with the tactical automatic switching system.

APPLICABLE DOCUMENTS

MIL E 16400	- Electronic Equipment, Naval Ship and Shore, General Specification
MIL STD 188B	- Military Communications System Technical Standards
DCA Circular 175-2A	- DCS Engineering-Installation Standards Manual
MIL M 22732	- Reliability Requirements for Shipboard and Ground Electronic Equipment
MIL M 23313	- Maintainability Requirements for Shipboard and Shore Electronic Equipment and Systems
SCL-1280D	- Design of Electronic Equipment for System Installation in Shelters and vans
DECEO H500 - 12 -64	- DCS Technical Control Engineering Criteria
DECEO H500 - 10 - 64	- System Interface Criteria
DCA CIR 70-6A	- DCS Technical Control Procedures
AFCSM 100-5	- Standards and Procedures for Aircom Systems Operations

DECEO Engr. Pub. H 520 - 1 -63	- Interface Characteristics, DCS - Autodin - CONUS
TM 11 - 486 (Series 1-10)	- Electrical Communication System Engineering Series
CCTM 105-50	- Communications Telecommunications Engineering - Installation Practices (STRATCOM)
	- "Study of Incompatibility Among Military Communication Electrical Standards", dated July 1968. Prepared by Mission & Logistics Support Division. Project Mallard.

OBJECTIVES

The objectives of the Syscon and Techcon plan are to develop concepts and make recommendations to the systems level for procedures, software and hardware which will satisfy the planned requirements of the USMC for the Syscon and Techcon functions for a MEC in the 1970-1975 time frame as presently deployed in Vietnam and with the current force structure but recognizing that newer communications equipments would be utilized for such a system in 1970-1975. Formal manuals and any hardware specifications for equipment uniquely associated with Syscon and Techcon are not included in this study; however, the nature and identification of types of manuals required shall be defined. The Syscon portion of the plan shall provide the basis to effectively operate and control the total communications and switching system expected to exist for a MEC in 1970-1975 and the Techcon portion of the plan shall define the technical control functions for the communications center incorporating a tactical automatic switching system expected to be a part of the communications system of a MEC in 1970-1975.

Area of Study

The communications system definition for a MEC in 1970-1075, which is an output of Item 1, Task I, shall be used as the basis to perform Task III and Task IV. Communications traffic loading, corrected for the period of intensified conflict for the USMC operational engagement in SEA, as obtained in Task I shall also be utilized as being representative of the expected communications loading for the deployed MEC units. System constraints such as shelter size and transportability requirements will be defined in conjunction with the Marine Corps early in the study so that realistic functional and facility requirements will evolve.

Topics for study shall include investigation and analysis of the following areas for the deployed MEC units.

(a) Review of interfaces with communications systems (radio and wire) and with local facilities (switching system and communications centers) as determined in Item 1, Task I of the contract to define performance requirements for Techcon operation.

(b) Review of the capabilities of current tech control facilities as might be existing in a MEC in 1970-1975 system, determined in Item 1, Task I, to assess what Techcon functions can be integrated into the Techcon function for the communications center incorporating a tactical automatic switching system.

(c) Review of the 1970-1975 MEC communications network with its need lines as determined in Item 1, Task I of the contract to define the circuit requirements for Syscon operation.

(d) Review of the traffic analysis data as determined in Item 1, Task I of the contract to define traffic requirements and capabilities to be met by Syscon and Techcon.

(e) Definition of system constraints (shelter size, mobility, etc.)

(f) Establishment of functional requirements (at each echelon) for:

Management Control

Communications Control

Monitoring and Alarms

System Self-verification Techniques

Status Reporting

Performance Testing

Circuit Re-routing

Data Synchronization

Signal Conditioning

Fault Isolation

Service Restoral

(g) Definition of tele-communications performance criteria for a MEC deployment environment.

(h) Survey of existing military systems (particularly fielded systems) for features applicable to the Marine Corps to determine weaknesses to be avoided in the implementation of Syscon and Techcon for a MEC.

(i) Identify Syscon and Techcon functions which could be performed more efficiently by other local systems (switching system or communications center).

(j) Definition of Syscon and Techcon deployment and re-deployment requirements.

(k) Preliminary facility design requirements definition including functional, technical and interface requirements.

(l) Preliminary systems concept for Syscon and Techcon for a MEC in the 1970-1975 time frame.

ITEM 2 - Commencing 30 days after contract award and continuing periodically thereafter every sixty (60) days until completion of Tasks I through IV under Item 1, the contractor shall submit to the Contracting Officer letter-type progress reports describing study status, and including a report on expenditure against contract funding. As an adjunct to the letter-type progress reports, technical interchange meetings between the Government and the contractor will take place at Headquarters, U. S. Marine Corps (Code A04C), Washington, D. C., immediately following contract award and at the conclusion of performance of Tasks I through IV following receipt by the contractor of U.S. Marine Corps comments on the submitted draft technical reports. Other technical interchange meetings shall occur as scheduled by the Project Officer, on a basis, not to exceed, one (1) meeting per month.

ITEM 3 - Final technical reports, consisting of one (1) report for Task I, one (1) report for Task II, and one (1) report covering both Task III and Task IV, shall be prepared by the Contractor and submitted to the Project Officer for review and approval as specified herein.

Upon completion of the data reduction and analysis under Task I, five (5) copies of a draft technical report including the summary data sheets will be submitted to the Marine Corps Project Officer for review and approval. Upon Marine Corps approval of the draft report, the Contractor shall deliver one (1) reproducible and fifteen (15) non-reproducible copies of the final report for Task I.

Upon completion of the data compilation, reduction and analysis effort under Task II, five (5) copies of a draft technical report will be submitted to the Marine

Corps Project Officer for review and approval. Upon Marine Corps approval of the draft report, the Contractor shall deliver one (1) reproducible and fifteen (15) non-reproducible copies of the final report for Task II.

Upon completion of Task III and Task IV, five (5) copies of a draft technical report shall be submitted to the Marine Corps Project Officer for review and approval. Upon Marine Corps approval of the draft report, the Contractor shall deliver one (1) reproducible and fifteen (15) non-reproducible copies of the final report for Task III and Task IV.

A completed DD Form 1473, Document Control Data - R&D, is to be included in each copy of the final technical reports for Tasks I through IV.

A copy of the transmittal letter for each report submission shall be furnished to the Contracting Officer (Code CSG-5A).

ITEM 4 - The Contractor shall be reimbursed for the actual cost of uniforms required for contractor personnel during duty assignments in Vietnam, at an allowance not to exceed $250.00 per man.

SECTION C - PRESERVATION, PACKAGING AND PACKING

ITEM(s) 3, shall be preserved, packaged and packed in accordance with best commercial practices suitable to arrive undamanged at ultimate destination(s).

SECTION D - DELIVERIES

TIME OF DELIVERY		TIME (To be completed on or before)
Item 1, TASKS I through IV		28 November 1969
Item 2	1 report	28 April 1969
	1 report	26 June 1969
	1 report	26 August 1969
	1 report	27 October 1969
Item 3		
TASK I	DRAFT REPORT	26 September 1969
	FINAL REPORT	27 October 1969
TASK II	DRAFT REPORT	26 September 1969
	FINAL REPORT	27 October 1969

TIME OF DELIVERY		TIME (To be completed on or before)
TASKS III and IV	DRAFT REPORT	27 October 1969
	FINAL REPORT	28 November 1969

DELIVERY INSTRUCTIONS
Price quoted includes delivery f.o.b. destination to below consignees:

ITEM 2	5 copies each Report	Commandant of the Marine Corps (Code CSG-5A) Headquarters, U.S. Marine Corps Washington, D. C. 20380
ITEM 3		Commandant of the Marine Corps (Code A04C) (4) Headquarters, U.S. Marine Corps Washington, D. C. 20380

SECTION E - INSPECTION AND ACCEPTANCE

Inspection and acceptance to be made at destination by the Project Officer.

SECTION F - SPECIAL PROVISIONS

CAPTURE AND DETENTION (1968 JUNE) ASPR 10-406

(a) As used in this clause:

(1) "captured person" means any employee of the Contractor -

(i) who is assigned to duty outside the United States for the performance of this contract, and

(ii) who is found to be missing from his place of employment under circumstances that make it appear probable that his absence is due to the action of the force of any power not allied with the United States in a common military effort, or who is known to have been taken prisoner, hostage or otherwise detained by the force of any such power, whether or not such person is actually engaged in his employment at the time of capture; provided that at the time the person was captured and detained that the person was either:

(A) engaged in activity directly arising out of the course of his employment under this contract, or

(B) captured in an area in which the captured person was present only because such presence was required in order to perform this contract;

(2) a "period of detention" begins with the day of capture and continues until the captured person is returned to his place of employment, or to the United States, or is able to be returned to the jurisdiction of the United States, or until his death is in fact established or legally can be presumed to have occurred by evidence satisfactory to the Contracting Officer, whichever shall occur first;

(3) "United States" comprises geographically the fifty states and the District of Columbia; and

(4) why not add 2 cys AUCSEC?

(4) "War Risk Hazards Compensation Act" refers to the statute compiled in Chapter 12 of Title 42 U.S. Code (Sections 1701-1717), as amended.

(b) If pursuant to an agreement entered into prior to the capture, the Contractor is obligated to pay and shall have paid benefits to a captured person, or his dependents, on account of his detention, the Government will reimburse the Contractor for such payments up to an amount which will equal the lesser of (i) the total wage or salary (computed at the rate being paid at the time of capture) due from the Contractor to the captured person for the period of detention, or (ii) that amount which would have been payable to such person if the detention had occurred under circumstances wherein the benefit provisions of the War Risk Hazards Compensation Act would have been applicable.

(c) The period of detention shall not be considered as time spent in the performance of this contract, and the Government shall not be obligated to make payment under this contract on account of such person for the period of the detention except as provided in this clause.

(d) The obligation of the Government to make payments provided for by this clause shall be applicable to the entire period of detention except that it is expressly conditioned upon and subject to the availability of funds from which payment can be made. The rights and obligations of the parties under this clause shall survive the earlier expiration, completion or termination of this contract.

(e) The Contractor shall not be reimbursed under the provisions of this clause for payments made to employees for a period of detention during which the employees were entitled to compensation for capture and detention under the War Risk Hazards Compensation Act, as amended.

CONTRACTOR HIRE OF THIRD-COUNTRY NATIONALS

(a) Third-country nationals (TCNS) can be hired to perform work in Vietnam under this contract only to the extent authorized by and only in accordance with the laws and regulations of the Government of Vietnam (GVN). The Contractor or any subcontractor are responsible for ascertaining, and complying with, applicable GVN law, for any work to be performed in Vietnam under this contract. For all contracts let outside of Vietnam, the Contractor or subcontractor must obtain proper clearance from the component agency in Vietnam to ensure compliance with Vietnamese law regarding the employment of TCNS.

(b) The Contractor agrees to insert the provisions of this clause, including this paragraph (b), in all subcontracts hereunder involving the performance of work in Vietnam.

CONDUCT OF CONTRACTOR PERSONNEL

The Contractor agrees to include in the employment contracts or agreements of all his employees assigned to duties in South Vietnam, a provision that such employees will comply with all applicable provisions of the local law of South Vietnam and with all applicable directives of the United States Military Command. The Contractor further agrees to enforce such employment agreements by taking appropriate action (including issuing of letters of reprimand or terminating the employment of particular individuals in South Vietnam, as appropriate) upon receiving notice of an employee's violation of local law or command directive.

TRANSPORTATION FOR CONTRACTOR PERSONNEL

Government air transportation will be provided for two (2) men from Hawaii to Vietnam, and for return of one (1) man from Vietnam to Hawaii. Contractor to provide transportation to Hawaii for two (2) men and return transportation from Vietnam to Contractor's plant, Needham Heights, Massachusetts 02194 for one (1) man.

SECURITY CLEARANCE FOR CONTRACTOR PERSONNEL

Each contractor employee assigned to duty in Vietnam shall have a security clearance up to and including access to SECRET information. Proof of security clearance shall be available prior to issuance of travel orders.

ON-SITE TRANSPORTATION

Contractor personnel assigned to duty in Vietnam will be provided with on-site transportation to various work locations, as required in performance of Item 1, TASK I.

ASSIGNMENT AND TRAVEL AUTHORIZATION

Contractor personnel assigned to Vietnam shall be accredited to the Marine Corps with a recognized status of an officer in accordance with MCO P12306.1.

Immediately following contract award, the Contractor shall coordinate with the Project Officer (A04C), the assignment and movement of Contractor's employees to the duty station which will be designated in instructions furnished by the Project Officer.

Living accommodations and administrative space for contractor personnel shall be provided by the Commanding Officer of the Marine Corps Activity to which such personnel are assigned. Quarters and messing facilities shall be provided at no cost to the Contractor.

CONTRACTOR'S INVOICES

Contractor's requests for progress payments and invoices shall be submitted to Chief, DCASO, SEP, Sylvania Electric Products, 77"A"Street, Needham, Massachusetts, 02194, in accordance with instructions received from that office.

Payment will be made by Disbursing Officer, DCASR, Boston, 666 Summer Street, Boston, Massachusetts 02210.

CONTRACTOR REPRESENTS

1. That it / / IS, / / IS NOT, a small business concern. Generally, a small business concern for the purpose of Government procurement is a concern that (1) is not dominant in its field of operation and, with its affiliates, employs fewer than 500 employees, or (2) is certified as a small business concern by the Small Business Administration. (See Code of Federal Regulations, Title 13, Part 103, as amended, which contains the detailed definition and related procedures.) If Contractor is a small business concern and is not the manufacturer of the supplies

covered by this contract, it also represents that all supplies to be furnished hereunder / / WILL, / / WILL NOT, be manufactured or produced by a small business concern in the United States, its Territories, its Possessions, or The Commonwealth of Puerto Rico.

2. That it is a / / REGULAR DEALER IN, / / MANUFACTURER OF, the supplies covered by this contract.

3. (a) That it / / HAS, / / HAS NOT, employed or retained any company or person (other than a full-time bonafide employee working solely for the contractor) to solicit or secure this contract, and (b) that it / / HAS, / / HAS NOT, paid or agreed to pay any company or person (other than a full-time bonafide employee working solely for the contractor) any fee, commission, percentage or brokerage fee, contingent upon or resulting from the award of this contract; and agrees to furnish information relating to (a) and (b) above as requested by the Contracting Officer. (For interpretation of the representation, including the term "bona fide employee", see Code of Federal Regulations, Title 44, Part 150.)

3. That it operates as / / INDIVIDUAL / / PARTNERSHIP / / CORPORATION incorporated in the State of _____

SECTION G: GENERAL PROVISIONS

General Provisions Fixed Price Research and Development Contracts dated November 1968 and the following attached clauses are incorporated herein and made a part of this contract:

Progress Payments (68 May) ASPR E-510.1
Price Reduction for Defective Cost or Pricing Data (67 NOV) ASPR 7-104.29(a)
Audit (67 NOV) ASPR 7-104.41(a) DPC #57(a)
Subcontractor Cost and Pricing Data (64 SEP) ASPR 7-104.42(a)

Delete Clause 17 of the General Provisions Fixed Price Research and Development Contracts dated November 1968, and substitute the following:

Equal Opportunity (1969 JAN) ASPR 12-804 (DPC #67)

Delete Clause 4, Inspection (1959 JUN) ASPR 7-302.4(a) of the General Provisions Fixed Price Research and Development Contracts dated November 1968 and add: Inspection (1959 JUN) ASPR 7-302.4(b):

INSPECTION (1959 JUN) ASPR 7-302.4(b)

The Government, through any authorized representatives, has the right, at all reasonable times, to inspect, or otherwise evaluate the work performed or being performed hereunder and the premises in which it is being performed. If any inspection, or evaluation is made by the Government on the premises of the Contractor or a subcontractor, the Contractor shall provide and shall require his subcontractors to provide all reasonable facilities and assistance for the safety and convenience of the Government representatives in the performance of their duties. All inspections and evaluations shall be performed in such a manner as will not unduly delay the work.

SECTION I: CONTRACT ADMINISTRATION DATA

DELEGATION OF AUTHORITY FOR CONTRACT ADMINISTRATION

The Chief, DCASO, SEP, Sylvania Electric Products, 77 A Street, Needham, Massachusetts 02194 is hereby designated as the authorized representative of the Contracting Officer for purposes of administering this contract in accordance with current directives.

PROGRESSING ACTIVITY AND STATUS CONTROL ACTIVITY

The Chief, DCASO, SEP is assigned for progressing and expediting ITEM(s) 1, 2 and 3 under this contract at Contractor's plant, Needham Heights, Massachusetts 02149.

The Status Control Activity is Headquarters, U.S. Marine Corps.

APPROPRIATION DATA

17X1319.2787 24708 27 2D 761996000

SECTION J: SUMMARY OF CONTENTS

SECTION PRE-A
SECTION A: Supplies or Services
SECTION B: Description or Specifications
SECTION C: Preservation, Packaging and Packing
SECTION D: Deliveries
SECTION E: Inspection and Acceptance
SECTION F: Special Provisions
SECTION G: General Provisions
SECTION I: Contract Administration Data

PROJECT OFFICER

The Project Officer under this contract is Commandant of the Marine Corps (Code A04C), or his duly authorized representative.

The authority of the Project Officer, his duly authorized representative(s), is confined to inspection and acceptance of the end item(s) as specified herein. Only the Contracting Officer has the authority to deviate from the terms and conditions of this contract; in the event the Contractor does deviate, without written approval of the Contracting Officer, such deviation shall be at the risk of, and any costs related thereto shall be borne by the Contractor.

III MAF [redacted] COMM STUDY
File - ~~Sailor Sylvania~~
New File

3 Feb 69

Joe Sailor - Sylvania - re SEA data collection. Used old system as a POD. Would have to be expanded to include all telecomm.

Said the netted radio analysis could not be conducted under present level of funding.

For Sylvania Guidance

1. Classification of Material

2. Msg to field authorizing release of classified information.

3. Activity Account Codes
   Sufix for C²

4 FMFM 3-1

TABLE I - MESSAGE PARAMETERS

Mode	Rate (Kb/s)	Length (SEC)	Length (KBITS)	Number Msgs in busy hour	ECOM-2886C DIVISOR
Voice	19.2	180	3456	17,692	24
DB	19.2	5/6	16	464,065	12.8
FAX	2.4	260	864	265	8
DA	2.4	6-2/3	16	32,639	12.8
TTY	2.4	3-3/4	9	619	1200

TABLE II- CALCULATIONS FOR NUMBER OF BUSY HOUR MESSAGES

Voice $$\frac{424{,}611 \text{ Call-Minutes/Day}}{3 \frac{\text{Call-Minutes}}{\text{Message}} \times \frac{24 \text{ Hours}}{\text{Day}} \times \frac{1}{3 \text{ Hours/Busy Hour}}} =$$

$$\frac{424{,}611}{24} \frac{\text{Messages}}{\text{Busy Hour}} = \underline{\underline{17{,}692}} \frac{\text{Messages}}{\text{Busy Hour}}$$

TTY $$\frac{743{,}093 \text{ Words/Day}}{\frac{150 \text{ Words}}{\text{Message}} \times 8 \frac{\text{Busy Hours}}{\text{Day}}} = \frac{743{,}093}{1200} = \underline{\underline{619}} \frac{\text{Messages}}{\text{Busy Hour}}$$

FAX $$\frac{2{,}120 \text{ MSGS/Day}}{8 \frac{\text{Busy Hours}}{\text{Day}}} = \underline{\underline{265}} \frac{\text{Messages}}{\text{Busy Hour}}$$

DA $$\frac{417{,}776 \times 10^4 \text{ Bits/Day}}{1.6 \times 10^4 \frac{\text{Bits}}{\text{Messages}} \times 8 \frac{\text{Busy Hours}}{\text{Day}}} = \frac{417{,}776}{12.8} = \underline{\underline{32{,}639}} \frac{\text{Messages}}{\text{Busy Hour}}$$

DB $$\frac{5{,}940{,}031 \times 10^4 \text{ Bits/Day}}{1.6 \times 10^4 \frac{\text{Bits}}{\text{Messages}} \times 8 \frac{\text{Busy Hours}}{\text{Day}}} = \frac{5{,}940{,}031}{12.8} = \underline{\underline{464{,}065}} \frac{\text{Messages}}{\text{Busy Hour}}$$

Documents for Sylvania

1. III MAF Orientation for Newly joined Comm-Elect Pers.
2. III MAF RR/Cable System I Corps 13 July 1967.
3. III MAF Traffic Diagram/Cable System 1967.
4. III MAF Cable System 7 Feb 1968.
5. III MAF Circuit Diagram, 5 Dec 1967.
6. III MAF RR/Wire Circuit Diagram 1/4/66.
7. III MAF Cable System – 1/4/66.
8. III MAF Traffic Diagram - 1/4/66.
9. Staff Precis/Comm-Elect, III MAF, Vietnam 8 Sept 1965.
10. Area Coord Comm Conference 3 Oct 68 III MAF Vietnam.
11. Area Coord Comm Conference 28 Nov 68 III MAF Vietnam
12. " " " " 26 Jul 68 " " "
13. CMD Chronology for III MAF DEC 68
14. " " " JUN 68
15. " " " AUG 68
16. " " " FEB 68
17. " " " NOV 67
18. " " " MAR 68
19. Comm, Combat Operations After Action Report. 3rd MAR Div 30 JUN 1967.
20. I Corps Coord Inst 2300.2A.
21. " " " 2110.3B.
22. Annex C (Comm-Elect) to 3rd MEB OP ORDER 301-68.

STUDY OF THE EVOLUTION OF THE III MAF COMBAT SYSTEM.

FROM INCEPTION – 8 MARCH 1965.

TO – PRESENT 1969.

Significant changes in USMC force level or force deployment

1. Initial 9th MEB Deployment.
2. RLT-1 Deployment
3. RLT-3 Deployment.
4. 3rd Marine Division (Rein) HQ Deployment.
5. 1st MAW HQ Deploy.
6. III MAF HQ Deploy.
7. RLT-9 Deploy.
8. RLT-7 Deploy.
9. 1st Marine Div (Rein) Deployment.
10. Intro of MTDS.
11. RLT-26 Deployment.
12. 9th MEB Redesignation
13. RLT-27 Deploy & Ex Inactivation
14. Force re-deploy for Operation Chu Lai & Dewey Canyon.
15. Evolution – Deploy of FLC/FLSG's.
16. Intro of US Army forces to I Corps.
17. Change in operational control of air support.

FMFPac – MAR – Dec 1965

JAN 1965 – Circa 1000 MARINES in Vietnam
Dec 1965 – about 110,000 " "
8 March 1965 – 9th MEB Landed at DaNang.
11 March – 1st Marine Regt transit to Okin. & TAF.
14 April 65 – BLT 3/4 PhuBai/Hue.
7 May 65 – RLT 4 Chu Lai
24 May 65 – RLT 3/1 Camp Reddie, c/o Okin.
24 Aug 65 – 1st Marine Div HQ Okin
DEC 1965 – 9th MEB expanded to III MAF w/12 Inf Bns
& Fixed wing & 8 HR Squads.
18 Jan 1965 – FMFPac FAD to Okin.
May 1965 – CG 3rd Marine Div Arrived DaNang.
11 May 1965 – Adv Cmd 1st Marines arr DaNang.
10-15 DEC 65 – B-52s Strikes in Spt MAR OPs HARVEST MOON.

9th MEB Report.

1964 – 1965

COMM SPT Co I-MF. TSC-15 & Rec 49
joint Recruit & Training with Mobile Unit
in Vietnam.
Cont w/ 9th MEB – MAR & APR.
2/1 relieves 3/4 April 1966 at Hue/Phu Bai.
Operations Starlite (Chu Lai Area) 18-24 Aug 65.
1st Large engagement w/ VC Force.

9th MEB MAR 65.

BLT - 3/9 Landed 8 MAR 65 - [illegible] 327/328

BLT 1/3 Airlifted [illegible] - To Da Nang Airbase

39 + 1/3 Nang TPS-21 1st MAR 1965.

9th MEB APR 1965 - FINISH -

BLT - 2/3 landed Da Nang 0823H 10 Apr 1965.

TFA 9m BLT 2/3 helo lifted to Phu Bai on 10 Apr 65.

14 April 65 - BLT 3/4 Landed at Hué.

22 April 1965 - 1st Lt. USMC (3rd Recon Bn Patrol) contact

5th Comm BN CMD Chrono – 6 Dec 65 – 1967

July 1966

1. Provide Logistics support for AF-REC-80 DaNang to Phu Bai
2. 10-31 EM to 1st MP BN COMM Augmentation
3. 10 EM, 2 MRC-83, 1 MRC-87, 1 TSC-15 for Operation Hastings
4. OP & LOG SPT of NAVY ATCU-100A
5. COMM SPT FLC & FLSG "A"
6. Sept 1966 – Received & tested 4 AN/TRC-97 w/ assist of RCA Engineers Training Cent.
7. Comm SPT Co, 7th COMM BN ATTACHED
8. 5th Comm BN attachments out to – Phu Bai, DONG HA, CAM LO and the Sand.
9. Tested Radio Engineering Products Multiplexer SEPT 66
10. Tested in Dec 66 on AN/GRA 160-2 Log Periodic Antenna on Radio Set AN/TRC-12 w/ KY-8 stations at greater distance no change. Local units increased Signal Strength.

January 1967 – Conducted compatibility tests w/ Marconi AN/TSC-15 Equipments determined compatable & reliable

February 1967 – 1st MARDIV TRC-97 shot between Camp Lai and DaNang installed & operating.

Installed TOM-20 intercomm systems in HQ 1st MARDIV Feb 1967. Voice Frequency Telegraph Groups FLC-19 installed at DaNang Control for 1st MARDIV & FLC 10 units installed for 33 FD, 70 HDUX 77 circuit Capability Where 76 cable pairs formerly required only 10 now needed.

15. MSG Traffic III MAF Comm Center SEPT 67-61,298
April 1967 - 72,776, MAY-67 65,000 AUG 67-55,683
Use AN/TCC-7A SCOSD's at III MAF.

16. By July 1967 - 12 MRC-62, 1 MRC-63, 7 TRC-27 and 5 TRC-97 in support of III MAF.

17. W county + out-county Radio circuits use TSC-15 and MRC-83's.

7 COMM BN CMD Chronology Jul-Dec 1966

OP + ADMIN control of 1st MARDIV

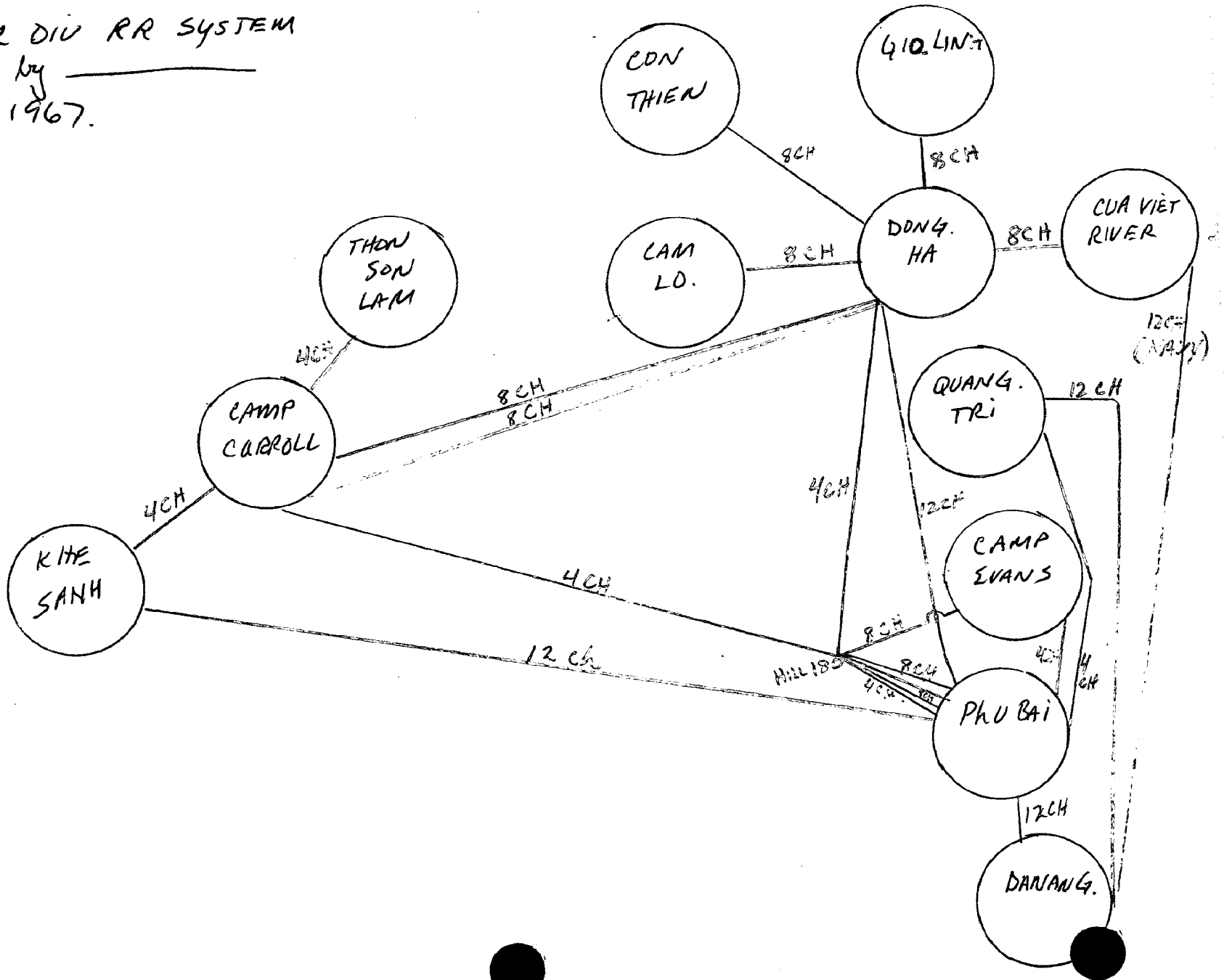
1. 7th Comm Bn landed at-Danang 1 July 1966, Res control Mar-Jun 66.
2. Comm SPT Co chopped OPCON to III MAF on 24 July 1966. Landed at Chu Lai 19 July 1966.
3. July 66 support ops Franklin + Hastings.
4. Aug 66 - OPs Colorado + Jackson.
5. July - 11 Nov-27, 5 Dec-62, 1 Jan-63 in SPT of III MAF.
6. 1 Oct 19 Jan - Comm SPT to 2d Korean MAR BRIG.
7. Sep 66 - SPT OPs Golden Fleece, Prairie.
8. Nov 66 - SPT 1st MAR DIV, III MAF, 1st Marines, TF X-ray and OPs RIO BLANCO. 1st MP Bn, 2d Rok Brigade, 3rd MAR DIV
9. Dec 66 - SPT OPs SIERRA.

7 COMM BN. JAN — 1967

1. SPT OPs DE SOTO. JAN 67.
2. SPT OP PRAIRIE 15 Oct 66 - 31 JAN 67
3. FEB 67 SPT OPs De Soto, RIO GRANDE, DECKHOUSE VI, LEWIS
4.

Link	From	Via	To	[illegible]	
	PB		KSEAH	TRC-97	7
2	PB	Hill 180	DHA	MRC-62	cc
3.	PB		CEmas	MRC-62	5
4.					
5.	DH		FAM LO	TRC-27	other
6.	PB		DHA	TRC-97	cc
7.	PB		PIKE HAREM T	TRC-97	5
8.	KHE SANH		Camp Carroll	MRC-62	5
9	DONG HA		Camp Carroll	TRC-27	cc
10.	DONG HA		Camp Carroll	TRC-27	
11.	DONG HA		Cua LIN H	TRC-27	
12.	DONG HA		[illegible] VIET RIVER	TRC-27	
13.	Camp Carroll		THON SON LUON	MRC-62	
14.	PB	[illegible]	[illegible] Carroll	MRC-62	
15.	PB	[illegible]	[illegible] Emas	TRC-27	
16.	PB		HILL 180	TRC-27	
17.	PB	HILL 180	[illegible] TRI (2/4)	MRC-62	5
18.	DONG HA.		CON THIEN	TRC-27	1/1 [illegible]

THIRD MAR DIV RR SYSTEM
Prepared by ———
24 Oct 1967.



Command Chronology.

MAB/TF 78
23 Apr - 12 May 65.

Landing at Chu Lai - 0800 7 May 1965

11 May 1965 - All units Ashore Chg. OPCON III MAF

Change 2 (COMM-SIGT) to 3rd MAB Operation 301-65

CPS -	ASHORE	AFLOAT
III MAF/CTF-79	DANANG	
9th MAB	DANANG	
3 MAB/TF-78	Chu Lai	USS ESTES
RLT-4/76-78.1	Chu Lai	USS HENRICO
Hmm-161/76 78.2	Chu Lai	USS PRINCETON
MACB-10/76 78.3	Chu Lai	USS Cleveland
DET MABS 12/76 78.4	Chu Lai	USS Vancouver

NETS - 1. 9th MAB CMD #1 - Guard/Rad/Tac-Tac Cov.

2 9th MAB Mic #1 FM VOICE

3. 3rd MAB CMD SSB - VOICE.

4 3rd MAB Tac FM VOICE.

5 3rd MAB - RLT-4 4 Ch Rec-62.

CEO MAJOR H R KELLY

27th MARINE REGT. CMD Chronology JAN-Feb 68.

13 Feb 68. Rec Order; 6 Vietnam. 1 OPCON/adcon
1ST MARINE DIV.

Communication Officer MAJ. RD BARNETTE

12 — 22 Feb 1968

NO Comm ANNEX ON MOVE
FROM Pendleton.

RLT 27 Used Operation Plan 303-67.

Annex I Communication Plan — (TO be ISSUED)
NOT enclosed in CMD Chronology.

THIRD MARINE AMPHIBIOUS FORCE COMMUNICATIONS STUDY PROPOSAL

I. SCOPE

Sylvania will expend its best efforts within the level of effort set forth in this proposal to accomplish the tasks of this study of USMC communications as summarized below.

Task 1.0 Study and Analysis of the Existing Communications System which Supports the Third Marine Amphibious Force(III MAF) in South East Asia today.

The total communications system which supports III MAF will be identified and analyzed in this study task. Data necessary for the performance of this task will be obtained in Vietnam by Sylvania through observation, written questionaire and interview with III MAF personnel. The data gathered by Sylvania will be incorporated on summary data sheets for ease of analysis. The data sheets and the supporting analysis and identification of the total communications system which supports the III MAF as it exists today will be documented in a final report. In addition, the report will include an identification of the communications system for a Marine Expeditionary Corps (MEC) expected to exist by 1970-1975, assuming the same force structure and deployment as exists presently in III MAF in Vietnam but recognizing that some newer communications equipments will be utilized in the 1970-1975 system. This system will be utilized as the baseline to perform the System Control and Technical Control tasks of this study proposal (Tasks 3.0 and 4.0 respectively). The elements to be considered in this study task are described in the attached Study "A", "III MAF Communications Systems Analysis Study" dated 26 December 1968.

TASK 2.0 Study and Analysis of the Evolution of the Total Communications System which supports III MAF.

This task will define the total communications system which supports III MAF as it evolved from its inception on 8 March 1965, when the first units of the force were deployed in South East Asia, to the communications system which exists at the present time. The study will define the communications system which existed at various points in time and identify the changes to the system as it evolved for significant changes in USMC force level or force deployment. Data necessary for accomplishing this study task will be provided by the USMC in the form of government documents and/or correspondence permitting identification of the III MAF communications system during its earlier evolutionary phases; whereas data obtained by Sylvania in Task 1.0 will be used to identify the system as it exists today. The results of this study defining the significant evolutionary phases of the III MAF communications system will be documented in a final report. The elements to be considered in this study task are described in the attached Study "B", "Study of the Evolution of the III MAF Communications System", dated 26 December 1968.

TASK 3.0 System Control Study (Syscon)

In this study task Sylvania will develop a first generation version of a plan which provides the basis to effectively operate and control the communications and switching system defined in Task 1.0 as that expected to exist in the 1970-1975 time frame for a Marine Expeditionary Corps (MEC).

The objectives of the Syscon Plan are to define concepts and make recommendations to the systems level for procedures, software, and particular hardware which will satisfy the system control requirements of a MEC in the 1970-1975 time period. Excluded from the study are the provision of formal manuals (T.M. or F.M.) and any hardware specifications for equipment uniquely associated with Syscon; however, during the study the nature and identification of types of manuals required will be defined. The elements of work to be considered in this study task are identified in Study "C", "Development of a System Control and Technical Control Plan for a Marine Expeditionary Corps", dated 26 December 1968.

TASK 4.0 Technical Control Study (Techcon)

In this study task, Sylvania will develop a first generation version of a plan for the performance of the technical control function for the communications center incorporating a tactical automatic switching system as would be deployed with a MEC in the 1970-1975 time period. The output of Study Task 1.0 defining the MEC deployment with its communications equipments expected to be operational by 1970-1975 including the tactical automatic switch will serve as a basis for performing this Technical Control study. The study shall recognize how the Techcon function is presently performed in a MEC for the total communications system and shall make recommendations for the integration of some as these functions into the Techcon for the communications center associated with the tactical automatic switching system as may be appropriate. The objectives of the Techcon plan are to define concepts and make recommendations at the systems level for procedures, software and particular hardware which will satisfy the technical control requirements. Excluded from the study are the provision of formal manuals and any hardware specifications uniquely associated with Techcon; however, during the study the nature and types of manuals required will be identified and defined. The elements of work to be considered in this study task are identified in Study "C", "Development of a System Control and Technical Control Plan for a Marine Expeditionary Corps," dated 26 December 1968.

TASK 5.0 Progress Reports and Technical Interchange Meetings

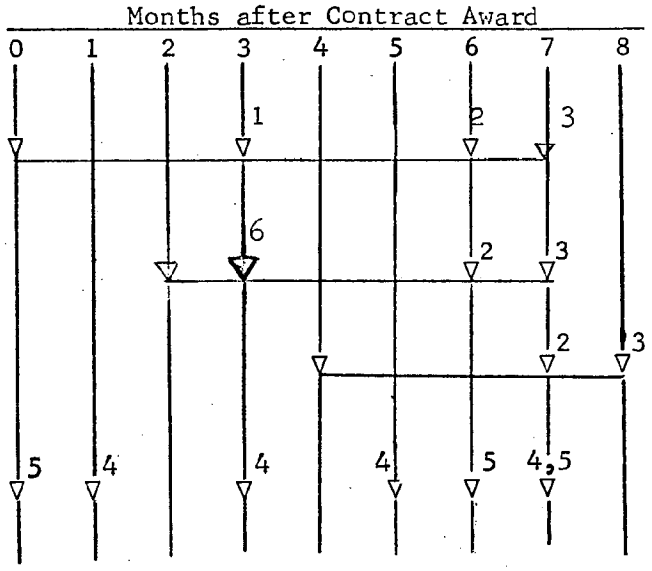
One month after contract award and continuing periodically thereafter every sixty days until completion of all study tasks, brief letter-type progress reports will be submitted to the Marine Corps Contracting Officer describing study status. The first such progress report will contain a brief program plan which will update the plan presented in this proposal for the study as may be appropriate.

Technical interchange meetings will also be held with the Marine Corps. The initial meeting will be held immediately following contract award and other interchange meetings will be held as required before submittal of the draft technical reports for the study tasks. A final technical interchange meeting will be held following receipt of U.S. Marine Corps comments on the submitted draft technical reports and prior to their incorporation into the final report.

II. STUDY WORK SCHEDULE

The work schedule for the proposed USMC Communications Study is shown below.

Task No.	Task Definition
1.0	Study and Analysis of Existing III MAF Communications System
2.0	Study and Analysis of Evolution of III MAF Communications System
3.0	System Control Study
4.0	Technical Control Study
5.0	Progress Reports and Scheduled TI meetings



NOTES:

1 ▽ - Summary Data Sheets Provided to USMC.

2 ▽ - Draft of Final Report Submitted to Hq USMC for approval.

3 ▽ - Final Report Submitted.

4 ▽ - Progress Reports.

5 ▽ - Scheduled TI meetings.

6 ▽ - Final receipt of USMC data documentation

26 December 1968

STUDY "A"

"III MAF COMMUNICATIONS SYSTEMS ANALYSIS STUDY"

1.0 SCOPE

This document describes a program of study and analysis of the existing communications system which supports the Third Marine Amphibious Force (III MAF) in South East Asia today.

2.0 APPLICABLE DOCUMENTS

Final Report	U.S. Marine Corps Tactical Switching System Study.
Standards Document	JCS Pub. 10 and 11

3.0 STUDY REQUIREMENTS

3.1 Objectives

The objective of this study is to define and analyze the existing total tele-communications system which supports III MAF in SEA excluding those communications below the battalion, battery and separate company level which utilize a preponderance of push-to-talk radio communications. The information will be gathered from USMC units in Vietnam and the definition of the existing communications system will be reported in the form of circuit diagrams and line route maps for the communications nodes and command post deployments presently existing. In addition a traffic analysis shall be made of the different types of voice and data traffic in the communications system utilizing the definitions of JCS Pub. 10 and 11 for the appropriate traffic classifications. Traffic analysis data will be summarized on summary data sheets supplied by Sylvania in the format used for the Mallard Project and approved by the USMC Contracting Officer for this purpose. (This data will also be used by Project Mallard as user requirements statements without modification.) Traffic data will be corrected to the extent possible to reflect the period of intensified conflict for the USMC operational engagement in SEA. Traffic correction factors will be supplied by the USMC for this purpose.

Data will be obtained by circulating a questionaire, developed by Sylvania and approved by the USMC Contracting Officer, to all USMC units operating in Vietnam at Battalion level and higher. In addition interviews will be conducted with selected USMC units as appropriate to ensure adequacy and accuracy of reported data. Communications external to III MAF such as to U.S. Army or Allied Forces are not a part of this study except that circuit interface quantities and types of interface traffic shall be included, obtained through use of the questionaire, and interview as may be appropriate, with the USMC unit at the USMC interface point.

In the analysis of the data collected, present problems associated with operation and maintenance of the communications system including interface incompatibilities will be identified to the extent possible. Recommendations for solution will be provided to the systems level as may be required. The circuit diagrams and line route maps for the deployed USMC III MAF units, the summary data sheets, the traffic analysis, and the identification and systems solution of communications system problems as may be uncovered in the course of this study will be documented in a final report. In addition the report will include a definition of the communications system for a Marine Expeditionary Corps expected to exist in the 1970-1975 time frame assuming the same force structure and deployment as is determined to presently exist in Vietnam but recognizing that some newer communications equipments will be utilized by the USMC in the 1970-1975 system. This system definition will be utilized as the baseline to perform the Systems Control and Technical Control tasks of this study proposal (Tasks 3.0 and 4.0 respectively).

3.2 Area of Study

Specific topics recommended for consideration this study are listed below:

(a) Determination of network connectivity and communication need lines.

(b) Identification of all subscriber loops and terminal equipments

(c) Identification of all trunks

(d) Identification of transmission means and secure communications requirements

(e) Identification of switching facilities and command, control and communications nodal points.

(f) Identification and location of deployed USMC units and their command organization.

(g) Identification of technical control facilities and their capabilities.

(h) Identification of communications nets

(i) Identification and allocation of major communications equipment in present system.

(j) Identification of circuit interfaces with forces external to III MAF.

(k) Traffic statistics by types of traffic classification to include message length (minimum/maximum/mean), message origination frequency, mean time between transmissions, delay time. These statistics will be provided on a 24 hour averaged basis as well as on a maximum traffic busy hour everaged basis.

4.0 DOCUMENTATION

4.1 Summary Data Sheets

Following completion of the data collection phase of the study in Vietnam, ten copies of the III MAF communications summary data sheets will be submitted to the Contracting Officer's representative for review.

4.2 Final Technical Report

Upon completion of the data reduction and analysis, five copies of a draft technical report including the summary data sheets will be submitted to the Contracting Officer's representative for review and approval. Following approval, one reproducible copy and fifteen non-reproducible copies of the final report shall be submitted to the Contracting Officer.

26 December 1968

STUDY "B"

"STUDY OF THE EVOLUTION OF THE III MAF COMMUNICATIONS SYSTEM"

1.0 SCOPE

This document describes a program of study and analysis to define the total communications system which supports III MAF as it evolved from its inception on 8 March 1965, when the first units of the force were deployed in South East Asia, to the communications system which exists at the present time.

2.0 APPLICABLE DOCUMENTS

Documentation necessary for the performance of this study task will be supplied by Hq. USMC.

3.0 STUDY REQUIREMENTS

3.1 Objectives

The objectives of this study is to define the III MAF communications system as it existed at various points in time since its inception on 8 March 1965. Of importance is the definition of the communications system at specific points in time which were accompanied by a significant change in USMC force level or force deployment such as:

a) Initial 9th MEB Deployment
b) RLT-4 Deployment
c) RLT-3 Deployment
d) 3rd Marine Division (re-inforced) Headquarters Deployment
e) 1st Marine Air Wing Headquarters Deployment
f) III MAF Headquarters Deployment
g) RLT-9 Deployment
h) RLT-7 Deployment
i) 1st Marine Division (re-inforced) Deployment
j) Introduction of MTDS
k) RLT-26 Deployment

(l) 9th MEB Reconstitution

(m) RLT-27 Deployment and Extraction

(n) Force re-deployment from Danang/Chulai to Danang/Northern I Corps

(o) Evolution and deployments of FLC/FlSG's

(p) Introduction of US Army forces into I Corps

(q) Change in operational control of air support

Each of the communications systems shall be reported in the form of circuit diagrams and line route maps for the command, control, communications nodes and command post deployments that existed at that time. Changes to the communications system as it evolved due to significant changes in force level or deployment shall be noted. Data for the performance of this study will be provided by the USMC in the form of official documents or correspondence permitting identification of the III MAF communications system during its earlier evolutionary stages except for definition of the present III MAF system which will be provided as an output of study task 1.0 of this proposal.

3.2 Area of Study

Specific topics recommended for consideration in this study are listed below:

(a) Determination of tele-communications network connectivity and communication need lines.

(b) Identification and location of deployed USMC units and their command organization.

(c) Identification of switching facilities and command, control, communications nodal points.

(d) Identification of subscriber loops and trunks.

(e) Identification of transmission means.

(f) Identification and allocation of major communications equipment in systems.

4.0 DOCUMENTATION

4.1 Final Technical Report

Upon completion of the data compilation, reduction and analysis effort, five copies of a draft technical report will be submitted to the Contracting Officer's representative for review and approval. Following approval, one reproducible copy and fifteen non-reproducible copies of the final report shall be submitted to the Contracting Officer.

26 December 1968

STUDY "C"

"DEVELOPMENT OF A SYSTEM CONTROL AND TECHNICAL CONTROL PLAN FOR A MARINE EXPEDITIONARY FORCE"

1.0 SCOPE

This document describes a program of study for the development of a System Control and Technical Control Plan for the communications and switching system expected to exist for a Marine Expeditionary Corps (MEC) in the 1970-1975 time period.

2.0 APPLICABLE DOCUMENTS

MIL E 16400	- Electronic Equipment, Naval Ship and Shore, General Specification
MIL STD 188B	- Military Communications System Technical Standards
DCA Circular 175-2A	- DCS Engineering-Installation Standards Manual
MIL M 22732	- Reliability Requirements for Shipboard and Ground Electronic Equipment
MIL M 23313	- Maintainability Requirements for Shipboard and Shore Electronic Equipment and Systems
SCL-1280D	- Design of Electronic Equipment for System Installation in Shelters and vans
DECEO H500 - 12 - 64	- DCS Technical Control Engineering Criteria
DECEO H500 - 10 - 64	- System Interface Criteria
DCA CIR 70-6A	- DCS Technical Control Procedures
AFCSM 100-5	- Standards and Procedures for Aircom Systems Operations
DECEO Engr. Pub. H 520 - 1 - 63	- Interface Characteristics, DCS - Autodin - CONUS
TM 11 - 486 (Series 1-10)	- Electrical Communication System Engineering Series
CCTM 105-50	- Communications Telecommunications Engineering - Installation Practices (STRATCOM)
	-"Study of Incompatibility Among Military Communication Electrical Standards", dated July 1968. Prepared by Mission & Logistics Support Division. Project Mallard.

3.0 STUDY REQUIREMENTS

3.1 Objectives

The objectives of the Syscon and Techcon plan are to develop concepts and make recommendations to the systems level for procedures, software and hardware which will satisfy the planned requirements of the USMC for the Syscon and Techcon functions for a MEC in the 1970-1975 time frame as presently deployed in Vietnam and with the current force structure but recognizing that newer communications equipments would be utilized for such a system in 1970-1975. Formal manuals and any hardware specifications for equipment uniquely associated with Syscon and Techcon are not included in this study; however, the nature and identification of types of manuals required will be defined. The Syscon portion of the plan provides the basis to effectively operate and control the total communications and switching system expected to exist for a MEC in 1970-1975 whereas the Techcon portion of the plan defines the technical control functions for the communications center incorporating a tactical automatic switching system expected to be a part of the communications system of a MEC in 1970-1975.

3.2 Area of Study

The communications system definition for a MEC in 1970-1975, which is an output of study task 1.0 of this proposal, will be used as the basis to perform this study task. Communications traffic loading, corrected for the period of intensified conflict for the USMC operational engagement in SEA, as obtained in task 1.0 will also be utilized as representative of the expected communications loading for the deployed MEC units. System constraints such as shelter size and transportability requirements will be defined in conjunction with the Marine Corps early in the study so that realistic functional and facility requirements will evolve.

Suggested topics for study shall include investigation and analysis of the following areas for the deployed MEC units.

(a) Review of interfaces with communications systems (radio and wire) and with local facilities (switching system and communications centers) as determined in Task 1.0 of this proposal to define performance requirements for Techcon operation.

(b) Review of the capabilities of current tech control facilities as might be existing in a MEC in 1970-1975 system, determined in Task 1.0 of this proposal, to assess what Techcon functions can be integrated into the Techcon function for the communications center incorporating a tactical automatic switching system.

(c) Review of the 1970-1975 MEC communications network with its need lines as determined in Task 1.0 of this proposal to define the circuit requirements for Syscon operation.

(d) Review of the traffic analysis data as determined in Task 1.0 of this proposal to define traffic requirements and capabilities to be met by Syscon and Techcon.

(e) Definition of system constraints (shelter size, mobility, etc.)

(f) Establishment of functional requirements (at each echelon) for:

Management Control

Communications Control

Monitoring and Alarms

System Self-verification Techniques

Status Reporting

Performance Testing

Circuit Re-routing

Data Synchronization

Signal Conditioning

Fault Isolation

Service Restoral

(g) Definition of tele-communications performance criteria for a MEC deployment environment.

(h) Survey of existing military systems (particularly fielded systems) for features applicable to the Marine Corps to determine weaknesses to be avoided in the implementation of Syscon and Techcon for a MEC.

i) Identify Syscon and Techcon functions which could be performed more efficiently by other local systems (switching system or communications center).

j) Definition of Syscon and Techcon deployment and re-deployment requirements.

k) Preliminary facility design requirements definition including functional, technical and interface requirements.

l) Preliminary systems concept for Syscon and Techcon for a MEC in the 1970-1975 time frame.

4.0 DOCUMENTATION

Upon completion of this study task, five copies of a draft technical report will be submitted to the Marine Corps Project Office for review and approval. Following approval, one reproducible copy and fifteen non-reproducible copies of the approved report shall be submitted to the Contracting Officer.

SYLVANIA
SYLVANIA ELECTRIC PRODUCTS INC.

(617) 449-2000
SYLVANIA ELECTRONIC SYSTEMS
EASTERN DIVISION
77 "A" Street, Needham Heights, Mass. 02194

27 December 1968

SUBJECT/DATE:

TO: T. Barry
F. M. Bosch
J. Deasy
C. Early
J. Manix
R. Stiles
P. Wehle

Attached is a new draft of the USMC studies proposal based on Saylor/Manix meeting with Col. Walker/Col. DeLong on 20 December at USMC in Washington. May I please have your comments. It is planned to re-cost effort now defined on 2 January, with FMR on 3 January.

A meeting with DeLong/Manix/Saylor is planned on 6 or 7 January (in Washington, D.C.) for USMC review of our new proposal prior to its formal submittal by Sylvania.

J. W. SAYLOR

JWS/ja

26 December 1968

III MAF

USMC COMMUNICATIONS STUDY PROPOSAL

I. SCOPE

Sylvania will expend its best efforts within the level of effort set forth in this proposal to accomplish the tasks of this study of USMC communications as summarized below.

Task 1.0 Study and Analysis of the Existing Communications System which Supports the Third Marine Amphibious Force (III MAF) in South East Asia today.

The total communications system which supports III MAF will be identified and analyzed in this study task. Data necessary for the performance of this task will be obtained by Sylvania through observation, written questionaire and interview with III MAF personnel in Vietnam. The data gathered by Sylvania will be incorporated on summary data sheets for ease of analysis. The data sheets and the supporting analysis and identification of the total communications system which supports the III MAF as it exists today will be documented in a final report. In addition, the report will include an identification of the III MAF communications system expected to exist by 1975, assuming the same force structure and deployment as exists presently but recognizing that some newer communications equipments will be utilized in the 1975 system. This system will be utilized as the baseline to perform the System Control and Technical Control tasks of this study proposal (Tasks 3.0 and 4.0 respectively). The elements to be considered in this study task are described in the attached Study "A; "~~USMC~~ III MAF Communications Systems Analysis Study" dated 26 December 1968.

Task 2.0 Study and Analysis of the Evolution of the Total Communications System which supports III MAF.

This task will define the total communications system which supports III MAF as it evolved from its inception on 8 March 1965, when the first units of the force were deployed in South East Asia, to the communications system which exists at the present time. The study will define the communications system which existed at various points in time and identify the changes to the system as it evolved for significant changes in USMC force level or force deployment. Data necessary for accomplishing this study task will be provided by the USMC in the form of government documents and/or correspondence permitting identification of the III MAF communications system during its earlier evolutionary phases; whereas data obtained by Sylvania in Task 1.0 will be used to identify the system as it exists today. The results of this study defining the significant evolutionary phases of the III MAF communications system will be documented in a final report. The elements to be considered in this study task are described in the attached Study "B," "Study of the Evolution of the III MAF Communications System" dated 26 December 1968.

Task 3.0 System Control Study (Syscon)

In this study task Sylvania will develop a first generation version of a plan which provides the basis to effectively operate and control the communications and switching system defined in Task 1.0 as that expected to exist in the 1970-1975 timeframe for ~~III MAF~~ a MEC.

The objectives of the Syscon Plan are to define concepts and make recommendations to the systems level for procedures, software, and particular hardware which will satisfy the system control requirements of ~~III MAF~~ a MEC in the 1970 ~ 1975 time period. Excluded from the study are the provision of formal manuals (T.M. or F.M.) and any hardware specifications for equipment uniquely associated with Syscon; however, during the study the nature and identification of types of manuals required will be defined. The elements of work to be considered in this study task are identified in Study "C," "Development of a [redacted] System Control and Technical Control Plan for a MEC" dated 26 December 1968.

Task 4.0 Technical Control Study (Techcon)

In this study task, Sylvania will develop a first generation version of a plan for the performance of the technical control function for the communications associated with ~~the~~ ~~AN/TTC-31~~ 2 tactical automatic switching system as would be deployed with ~~III MAF~~ a MEB by the 1970-1975 time period. The output of Study Task 1.0 defining the III MAF deployment with its communications equipments expected to be operational by the 1970-1975 timeframe including ~~the AN/TTC-31~~ a tactical auto SW sys will serve as a basis for performing this Technical Control study. The study shall recognize how the Techcon function is presently performed in III MAF for the total communications system and shall make recommendations for the integration of some ~~of~~ these functions of tactical auto SW sys into the Techcon for the communications associated with the ~~AN/TTC-31~~ as may be appropriate. The objectives of the Techcon plan are to define concepts and make recommendations at the systems level for procedures, software and particular hardware which will satisfy the technical control requirements. Excluded from the study are the provision of formal manuals and any hardware specifications uniquely associated with Techcon; however, during the study the nature and types of manuals required will be identified and defined. The elements of work to be considered in this study task are identified in Study "C," "Development of a [redacted] System Control and Technical Control Plan," dated 26 December 1968.

Task 5.0 Progress Reports and Technical Interchange Meetings

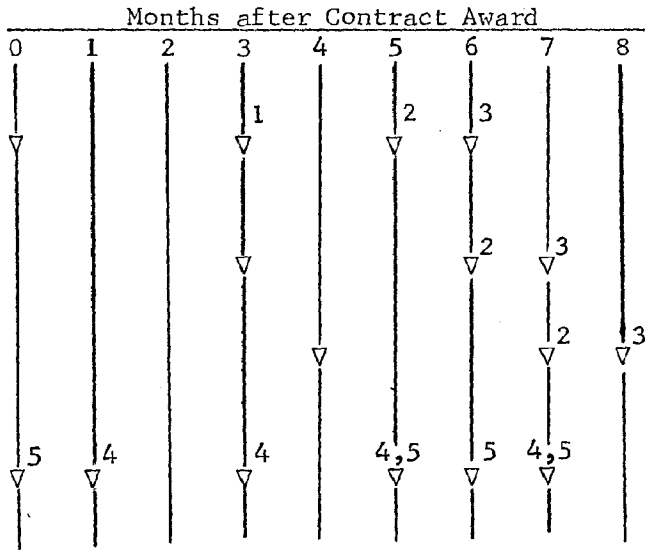
One month after contract award and continuing periodically thereafter every sixty days until completion of all study tasks, brief letter-type progress reports will be submitted to the Marine Corps Contracting Officer describing study status. The first such progress report will contain a brief program plan which will update the plan presented in this proposal for the study as may be appropriate.

Technical interchange meetings will also be held with the Marine Corps. The initial meeting will be held immediately following contract award and other interchange meetings will be held as required before submittal of the draft technical reports for the study tasks. A final technical interchange meeting will be held following receipt of U.S. Marine Corps comments on the submitted draft technical reports and prior to their incorporation into the final report.

II. STUDY WORK SCHEDULE

The work schedule for the proposed USMC Communications Study is shown below.

Task No.	Task Definition
1.0	Study and Analysis of Existing III MAF Communications System
2.0	Study and Analysis of Evolution of III MAF Communications System
3.0	System Control Study
4.0	Technical Control Study
5.0	Progress Reports and Scheduled TI meetings



NOTES:

1 ▽ - Summary Data Sheets Provided to USMC.

2 ▽ - Draft of Final Report Submitted to Hq USMC for approval.

3 ▽ - Final Report Submitted.

4 ▽ - Progress Reports.

5 ▽ - Scheduled TI meetings.

26 December 1968

STUDY "A"

III MAF
"USMC COMMUNICATIONS SYSTEMS ANALYSIS STUDY"

1.0 SCOPE

This document describes a program of study and analysis of the existing communications system which supports the Third Marine Amphibious Force (III MAF) in South East Asia today.

2.0 APPLICABLE DOCUMENTS

Final Report	-	U.S. Marine Corps Tactical Switching System Study.
Standards Document	-	JCS Pub. 10 and 11.

3.0 STUDY REQUIREMENTS

3.1 Objectives

The objective of this study is to define and analyze the existing total ~~telephone-teletype-and-data~~ tele communications system which supports III MAF in SEA excluding those communications below the battalion, battery and separate company level which utilize a preponderance of push-to-talk radio communications. The information will be gathered from USMC units in Vietnam and the definition of the existing communications system will be reported in the form of circuit diagrams and line route maps for the communications nodes and command post deployments presently existing. In addition a traffic analysis shall be made of the different types of voice and data traffic in the communications system utilizing the definitions of JCS Pub. 10 and 11 for the appropriate traffic classifications. Traffic analysis data will be summarized on summary data sheets supplied by Sylvania and approved by the USMC Contracting Officer for this purpose. Traffic data will be corrected to the extent possible to reflect the busy period of the USMC operational engagement in SEA. Traffic correction factors will be supplied by the USMC for this purpose.

WILL THIS INCLUDE ~~ADP~~ COMMS,

SHOULD INCL VOICE CABLE ROUTES & NO'S OF PAIRS.

* how is this generated what is a busy period?

* will Sylvania gather this data or rely on memories? If rely on memories it will be unreliable should have to get data manual need to be well briefed to avoid we already have this or capable of obtaining

Data will be obtained by circulating a questionaire, developed by Sylvania and approved by the USMC Contracting Officer, to all USMC units operating in Vietnam at Battalion level and higher. In addition interviews will be conducted with selected USMC units as appropriate to ensure adequacy and accuracy of reported data. Communications external to III MAF such as to U.S. Army or Allied Forces are not a part of this study except that circuit interface quantities and types of interface traffic shall be included, obtained through use of the questionaire, and interview as may be appropriate, with the USMC unit at the USMC interface point.

In the analysis of the data collected, present problems associated with operation and maintenance of the communications system including interface incompatibilities will be identified to the extent possible. Recommendations for solution will be provided to the systems level as may be required. The circuit diagrams and line route maps for the deployed USMC III MAF units, the summary data sheets, the traffic analysis, and the identification and systems solution of communications system problems as may be uncovered in the course of this study will be documented in a final report. In addition the report will include a definition of the ~~III MAF~~ 1970-75 communications system ~~expected to exist by 1975~~, assuming the same force structure and deployment as is determined to presently exist but recognizing that some newer communications equipments will be utilized by the USMC in the 1970-1975 system. This system definition will be utilized as the baseline to perform the Systems Control and Technical Control tasks of this study proposal (Tasks 3.0 and 4.0 respectively).

3.2 Area of Study

Specific topics recommended for consideration in this study are listed below:

a) Determination of network connectivity and communication need lines.

b) Identification of all subscriber loops and terminal equipments

c) Identification of all trunks.

d) Identification of transmission means and secure communications requirements.

e) Identification of switching facilities and command, control, and communications nodal points.

f) Identification and location of deployed USMC units and their command organization.

g) Identification of technical control facilities and their capabilities.

h) Identification of communications nets.

i) Identification and allocation of major communications equipment in present system.

j) Identification of circuit interfaces with forces external to III MAF.

k) Traffic statistics by types of traffic classification to include message length (minimum/maximum/mean), message origination frequency, mean time between transmissions, delay time busy hour loading

4.0 DOCUMENTATION

4.1 Summary Data Sheets

Following completion of the data collection phase of the study in Vietnam, ten copies of the III MAF communications summary data sheets will be submitted to the Contracting Officer's representative for review.

4.2 Final Technical Report

Upon completion of the data reduction and analysis, five copies of a draft technical report including the summary data sheets will be submitted to the Contracting Officer's representative for review and approval. Following approval, one reproducible copy and fifteen non-reproducible copies of the final report shall be submitted to the Contracting Officer.

26 December 1968

STUDY "B"

"STUDY OF THE EVOLUTION OF THE III MAF COMMUNICATIONS SYSTEM"

1.0 SCOPE

This document describes a program of study and analysis to define the total communications system which supports III MAF as it evolved from its inception on 8 March 1965, when the first units of the force were deployed in South East Asia, to the communications system which exists at the present time.

2.0 APPLICABLE DOCUMENTS

Documentation necessary for the performance of this study task will be supplied by Hq. USMC.

3.0 STUDY REQUIREMENTS

3.1 Objectives

The objectives of this study is to define the III MAF communications system as it existed at various points in time since its inception on 8 March 1965. Of importance is the definition of the communications system at specific points in time which were accompanied by a significant change in USMC force level or force deployment such as:

a) Initial 9th MEB Deployment
b) RLT-4 Deployment
c) RLT-3 Deployment
d) 3rd Marine Division (re-inforced) Headquarters Deployment
e) 1st Marine Air Wing Headquarters Deployment
f) III MAF Headquarters Deployment
g) RLT-9 Deployment
h) RLT-7 Deployment
i) 1st Marine Division (re-inforced) Deployment
j) RLT-26 Deployment

k) 9th MEB Reconstitution

l) RLT-27 Deployment and Extraction

m) Force re-deployment from Danang/Chulai to Danang/ Northern I Corps

n) Evolution and deployments of FLC/FLSG's

o) Integration of US Army forces into I Corps

p) Changes in operational control of air support.

Each of the communications systems shall be reported in the form of circuit diagrams and line route maps for the command, control, communications nodes and command post deployments that existed at that time. Changes to the communications system as it evolved due to significant changes in force level or deployment shall be noted. Data for the performance of this study will be provided by the USMC in the form of official documents or correspondence permitting identification of the III MAF communications system during its earlier evolutionary stages except for definition of the present III MAF system which will be provided as an output of study task 1.0 of this proposal.

3.2 Area of Study

Specific topics recommended for consideration in this study are listed below:

a) Determination of ~~voice, teletype and data~~ telecommunications network connectivity and communication need lines. ~ SAME AS FIRST STUDY.

b) Identification and location of deployed USMC units and their command organization. how low in III MAF org. suggest not lower than Wing

c) Identification of switching facilities and command, control, communications nodal points.

d) Identification of subscriber loops and trunks. ~ telephone only?

e) Identification of transmission means.

f) Identification and allocation of major communications equipment in systems.

4.0 DOCUMENTATION

4.1 Final Technical Report

Upon completion of the data compilation, reduction and analysis effort, five copies of a draft technical report will be submitted to the Contracting Officer's representative for review and approval. Following approval, one reproducible copy and fifteen non-reproducible copies of the final report shall be submitted to the Contracting Officer.

26 December 1968

STUDY "C"

"DEVELOPMENT OF A [redacted] SYSTEM CONTROL AND TECHNICAL CONTROL PLAN"

1.0 SCOPE

This document describes a program of study for the development of a ~~U.S. Marine Corps~~ System Control and Technical Control Plan for the communications and switching system expected to exist for [redacted] MAF in the 1970 - 1975 Timeframe.

2.0 APPLICABLE DOCUMENTS

MIL E 16400	-	Electronic Equipment, Naval Ship and Shore, General Specification
MIL STD 188B	-	Military Communications System Technical Standards
DCA Circular 175-2A	-	DCS Engineering-Installation Standards Manual
MIL M 22732	-	Reliability Requirements for Shipboard and Ground Electronic Equipment
MIL M 23313	-	Maintainability Requirements for Shipboard and Shore Electronic Equipment and Systems
SCL-1280D	-	Design of Electronic Equipment for System Installation in Shelters and Vans
DECEO H500 - 12 - 64	-	DCS Technical Control Engineering Criteria
DECEO H500 - 10 - 64	-	System Interface Criteria
DCA CIR 70-6A	-	DCS Technical Control Procedures
AFCSM 100-5	-	Standards and Procedures for Aircom Systems Operations
DECEO Engr. Pub. H 520 - 1 - 63	-	Interface Characteristics, DCS - Autodin - CONUS
TM 11 - 486 - (Series 1-10)	-	Electrical Communication System Engineering Series
CCTM 105-50	-	Communications Telecommunications Engineering-Installation Practices (STRATCOM)

added MAF study on standards (vari fleet)

3.0 STUDY REQUIREMENTS

3.1 Objectives

The objectives of the Syscon and Techcon plan are to develop concepts and make recommendations to the systems level for procedures, software and hardware which will satisfy the planned requirements of the USMC for the Syscon and Techcon functions for ~~III MAF in 1975~~ a MRC, as presently deployed and with the current force structure but recognizing that newer communications equipments would be utilized for such a system in the 1970 timeframe. Formal manuals and any hardware specifications for equipment uniquely associated with Syscon and Techcon are not included in this study; however, the nature and identification of types of manuals required will be defined. The Syscon portion of the plan provides the basis to effectively operate and control the total communications and switching system expected to exist for ~~III MAF~~ a MEC in the 1970 timeframe whereas the Techcon portion of the plan defines the technical control functions for the communications associated with the ~~AN/TTC-37~~ tactical automatic switching ~~center~~ system expected to be a part of the communications system ~~of III MAF~~ for a MRC in the 1970 timeframe.

3.2 Area of Study

The communications system definition ~~for III MAF in 1975~~ which is an output of study task 1.0 of this proposal will be used as the basis to perform this study task. Communications traffic loading, corrected for the busy period of the USMC operational engagement in SEA, as obtained in task 1.0 will also be utilized as representative of the expected communications loading for the deployed III MAF units. System constraints such as shelter size and transportability requirements will be defined in conjunction with the Marine Corps early in the study so that realistic functional and facility requirements will evolve.

Suggested topics for study shall include investigation and analysis of the following areas for the deployed III MAF units.

a) Review of interfaces with communications systems (radio and wire) and with local facilities (switching system and communications centers) as determined in task 1.0 of this proposal to define performance requirements for Techcon operation.

b) Review of the capabilities of current tech control facilities as might be existing in the 1975 ~~1976~~ MEF system, determined in task 1.0 of this proposal, to assess what Techcon functions can be integrated into the Techcon function for ~~the AN/TTC-31.~~ tactical and SW 1975.

c) Review of the 1975 ~~1976~~ MEF communications network with its need lines as determined in task 1.0 of this proposal to define the circuit requirements for Syscon operation.

d) Review of the traffic analysis data as determined in task 1.0 of this proposal to define traffic requirements and capabilities to be met by Syscon and Techcon.

e) Definition of system constraints (shelter size, mobility, etc.)

f) Establishment of functional requirements (at each echelon) for:

Management Control

Communications Control

Monitoring and Alarms

Status Reporting

Performance Testing

Circuit Re-routing

Data Synchronization

Signal Conditioning

Fault Isolation

Service Restoral

System Self verification Tele

g) Definition of ~~voice, TTY, and data~~ communications performance criteria for ~~the~~ MEF deployment environment.

h) Survey of existing military systems (particularly fielded systems) for features applicable to the Marine Corps to determine weaknesses to be avoided in the implementation of ~~a Marine Corps~~ Syscon and Techcon for a MEF.

i) Identify Syscon and Techcon functions which could be performed more efficiently by other local systems (switching system or communications center).

j) Definition of Syscon and Techcon deployment and re-deployment requirements.

k) Preliminary facility design requirements definition including functional, technical and interface requirements.

l) Preliminary systems concept for Syscon and Techcon for IRMAC in the 1970-1975 timeframe.

4.0 DOCUMENTATION

Upon completion of this study task, five copies of a draft technical report will be submitted to the Marine Corps Project Office for review and approval. Following approval, one reproducible copy and fifteen non-reproducible copies of the approved report shall be submitted to the Contracting Officer.

DEPARTMENT OF DEFENSE

CONTRACT PRICING PROPOSAL

(RESEARCH AND DEVELOPMENT)

Form Approved
Budget Bureau No. 22-R100

This form is for use when *(i)* submission of cost or pricing data *(see ASPR 3-807.3)* is required and *(ii)* substitution for the DD Form 633 is authorized by the contracting officer.

PAGE NO. 1 | NO. OF PAGES 1

NAME OF OFFEROR	SUPPLIES AND/OR SERVICES TO BE FURNISHED
Sylvania Elect. Products Inc.	Communication Study
HOME OFFICE ADDRESS: Third Ave. New York, New York	
DIVISION(S) AND LOCATION(S) WHERE WORK IS TO BE PERFORMED: SES-East 77 "A" St. Needham, Mass.	TOTAL AMOUNT OF PROPOSAL: $ 179,484
	GOVT SOLICITATION NO.: Unsolicited

DETAIL DESCRIPTION OF COST ELEMENTS

1. DIRECT MATERIAL *(Itemize on Exhibit A)*			EST COST ($)	TOTAL EST COST 1/	REFERENCE 2/
a. PURCHASED PARTS					
b. SUBCONTRACTED ITEMS					
c. OTHER - (1) RAW MATERIAL					
(2) YOUR STANDARD COMMERCIAL ITEMS					
(3) INTERDIVISIONAL TRANSFERS *(At other than cost)*					
TOTAL DIRECT MATERIAL					
2. MATERIAL OVERHEAD 3/ *(Rate % X $ base =)*					
3. DIRECT LABOR *(Specify)*	ESTIMATED HOURS	RATE/ HOUR	EST COST ($)		
TOTAL DIRECT LABOR				55,857	Schd 1
4. LABOR OVERHEAD *(Specify Department or Cost Center)* 3/	O.H. RATE	X BASE =	EST COST ($)		
Engineering	112%	52235	62,108		
Program Admin.	95%	3622	3,441		
TOTAL LABOR OVERHEAD				65,639	Schd 2
5. SPECIAL TESTING *(Including field work at Government installations)*			EST COST ($)		
TOTAL SPECIAL TESTING					
6. SPECIAL EQUIPMENT *(If direct charge) (Itemize on Exhibit A)*					
7. TRAVEL *(If direct charge) (Give details on attached Schedule)*			EST COST ($)		
a. TRANSPORTATION			3,432		
b. PER DIEM OR SUBSISTENCE			4,100		
TOTAL TRAVEL				7,532	Schd 3
8. CONSULTANTS *(Identity - purpose - rate)*			EST COST ($)		
TOTAL CONSULTANTS					
9. OTHER DIRECT COSTS *(Itemize on Exhibit A)*				3,298	Schd 4
10. TOTAL DIRECT COST AND OVERHEAD				132,326	
11. GENERAL AND ADMINISTRATIVE EXPENSE *(Rate 21.1 % of cost element Nos. 3,4,7+9)* 3/				27,927	Schd 2
12. ROYALTIES 4/					
13. TOTAL ESTIMATED COST				160253	
14. FEE OR PROFIT				19231	
15. TOTAL ESTIMATED COST AND FEE OR PROFIT				179,484	

This proposal is submitted for use in connection with and in response to *(Describe RFP, etc.)*

and reflects our best estimates as of this date, in accordance with the Instructions to Offerors and the Footnotes which follow.

TYPED NAME AND TITLE	SIGNATURE
R. A. Pasteri Mgr. of Pricing & Analysis	R. A. Pasteri
NAME OF FIRM: Sylvania Elect. Products Inc.	DATE OF SUBMISSION: 1/6/69

DD FORM 1 JAN 57 633-4

EXHIBIT A - SUPPORTING SCHEDULE *(Specify. If more space is needed, use blank sheets)*

COST EL NO.	ITEM DESCRIPTION *(See footnote 5)*	EST COST ($)

A. HAVE THE DEPARTMENT OF DEFENSE, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OR THE ATOMIC ENERGY COMMISSION PERFORMED ANY REVIEW OF YOUR ACCOUNTS OR RECORDS IN CONNECTION WITH ANY OTHER GOVERNMENT PRIME CONTRACT OR SUBCONTRACT WITHIN THE PAST TWELVE MONTHS?

[X] YES [ ] NO *(If yes, identify below.)*

NAME AND ADDRESS OF REVIEWING OFFICE AND INDIVIDUAL	TELEPHONE NUMBER/EXTENSION
Resident DCAA Team	449-2000 X3447

B. WILL YOU REQUIRE THE USE OF ANY GOVERNMENT PROPERTY IN THE PERFORMANCE OF THIS PROPOSED CONTRACT?

[X] YES [ ] NO *(If yes, identify on a separate page.)* Govt. documentation

C. DO THE AMOUNTS SHOWN ON THIS FORM INCLUDE *(i)* ANY CHARGE FOR PROPERTY OR SERVICES WHICH DUPLICATES ANY CHARGE AGAINST ANY OTHER PRIOR OR CURRENT GOVERNMENT CONTRACT OR SUBCONTRACT OR *(ii)* ANY RENTAL OR USE CHARGE ON GOVERNMENT PROPERTY OR SERVICES?

[ ] YES [X] NO *(If yes, justify on a separate page.)*

D. DO YOU REQUIRE GOVERNMENT CONTRACT FINANCING TO PERFORM THIS PROPOSED CONTRACT?

[X] YES [ ] NO *(If yes, identify.):* [ ] ADVANCE PAYMENTS [X] PROGRESS PAYMENTS OR [ ] GUARANTEED LOANS

E. DO THE AMOUNTS SHOWN ON THIS FORM INCLUDE ANY CHARGE FOR OVERTIME PREMIUMS OTHER THAN OVERTIME OF THE TYPES DESCRIBED IN ASPR 12-102.5?

[ ] YES [X] NO *(If yes, explain on a separate page.)*

F. DOES THIS COST SUMMARY CONFORM WITH THE COST PRINCIPLES SET FORTH IN ASPR, SECTION XV *(See 3-807.2 (c)(2))*?

[X] YES [ ] NO *(If no, explain on a separate page.)*

INSTRUCTIONS TO OFFERORS

1. The purpose of this form is to provide a uniform document on which the offeror submits to the Government a summary of incurred and estimated costs *(and attached supporting information)* suitable for detailed review and analysis. Prior to the award of a contract resulting from this proposal the offeror shall, under the conditions stated in ASPR 3-807.3, be required to submit a Certificate of Current Cost or Pricing Data *(See ASPR 3-807.3(e) and 3-807.4)*.

2. In addition to the specific information required by this form, the offeror is expected, in good faith, to incorporate in and submit with this form any additional data, supporting schedules, or substantiation which are reasonably required for the conduct of an appropriate review and analysis in the light of the specific facts of this procurement. For effective negotiations, it is essential that there be a clear understanding of:

a. The existing, verifiable data.
b. The judgmental factors applied in projecting from known data to the estimate, and
c. The contingencies used by the offeror in his proposed price.

In short, the offeror's estimating process itself needs to be disclosed.

3. When attachment of supporting cost or pricing data to this form is impracticable, the data will be described *(with schedules as appropriate)*, and made available to the contracting officer or his representative upon request.

4. The format and the prescribed cost breakdown are not intended as rigid requirements. With the approval of the contracting officer the data may be presented in another form if required for a more effective and efficient presentation of cost or pricing data.

5. By submission of this proposal the offeror grants to the Contracting Officer, or his authorized representative, the right to examine, for the purpose of verifying the cost or pricing data submitted, those books, records, documents and other supporting data which will permit adequate evaluation of such cost or pricing data, along with the computations and projections used therein. This right may be exercised in connection with any negotiations prior to contract award.

FOOTNOTES

1/ Enter in this column those necessary and reasonable costs which in the judgment of the offeror will properly be incurred in the efficient performance of the contract. When any of the costs in this column have already been incurred (e.g., on a letter contract or change order), describe them on an attached supporting schedule. Identify all sales and transfers between your plants, divisions, or organizations under a common control, which are included at other than the lower of cost to the original transferror or current market price.

2/ When space in addition to that available in Exhibit A is required, attach separate pages as necessary and identify in this "Reference" column the attachment in which the information supporting the specific cost element may be found. No standard format is prescribed; however, the cost or pricing data must be accurate, complete and current, and the judgment factors used in projecting from the data to the estimates must be stated in sufficient detail to enable the Contracting Officer to evaluate the proposal. For example, provide the basis used for pricing materials such as by vendor quotations, shop estimates, or invoice prices; the reason for use of overhead rates which depart significantly from experienced rates (reduced volume, a planned major re-arrangement, etc.); or justification for an increase in labor rates (anticipated wage and salary increases, etc.). Identify and explain any contingencies which are included in the proposed price, such as anticipated costs of rejects and defective work, or anticipated technical difficulties.

3/ Provide the method of computation and application of your overhead expense, including cost breakdown, and showing trends and budgetary data as necessary to provide a basis for evaluation of the reasonableness of proposed rates.

4/ If the total royalty cost is in excess of $250, provide on a separate page (or on DD Form 783, Royalty Report) the following information on each separate item of royalty or license fee; name and address of licensor; date of license agreement; patent numbers, patent application serial numbers, or other basis on which the royalty is payable; brief description, including any part or model numbers of each contract item or component on which the royalty is payable; percentage or dollar rate of royalty per unit; unit price of contract item; number of units; and total dollar amount of royalties. In addition, if specifically requested by the contracting officer, a copy of the current license agreement and identification of applicable claims of specific patents shall be provided.

5/ Provide a list of principal items within each category indicating known or anticipated source, quantity, unit price, competition obtained, and basis of establishing source and reasonableness of cost.

MARINE CORPS COMMUNICATION STUDY
LABOR DEFINITION
SCHEDULE I

CLASS	HOURS	RATE	DOLLARS	
Engineering				
Engr. Manager	640	10.62	6,797	
Engr. Specialist	2,800	8.86	24,808	
Adv R&D Engineer	2,400	7.53	18,071	
Tech Writer	160	4.38	700	
Draft/Illustrator	280	3.99	1,118	
Tech Typist	280	2.65	742	
Total Engineering	6,560			$52,235
Program Admin.	640	5.66		3,622
TOTALS	7,200			$55,857

SCHEDULE 2

Burden Rates

The following Bid Rates are based on the burden projections submitted to DCASO, letter number JFM-177-68 on 13 November 1968.

Overhead Rates	1968	1969 and Beyond
Engineering	120%	112%
Multi Layer Boards	270%	200%
Manufacturing	126%	135%
Programs	90%	95%

Applied as a percentage of Direct Labor.

Material Handling Rates	9.0%	8.5%

Applied as a percentage of Material (Purchase Parts), Subcontracts, Raw Materials, Standard Commercial Items, Interdivisional Transfers, Purchased Test Equipment and Purchased Tooling.

Division G&A	17.2%	13.5%

Applied as a percentage to Total Operating Costs.

In House Computer Rental -IBM 360 -40		
65K Memory	$69/Hr.	$69/Hr.
128K Memory	81/Hr.	81/Hr.
256K Memory	114/Hr.	114/Hr.

Based on projection submitted to DCASO, letter number JFM-132-68 on 9 Sept. 1968.

Applied as Hourly Rate on computer time usage.

Group G&A

Fixed Price	6.7%	6.7%

Based on projection submitted to DCASO, letter number FLS-2 on 25 July 1968.

Applied as a percentage to Total Manufacturing Costs.

Schedule III

T. Bowen 11/26/68

USMC Communication Study

Travel Analysis

	Trips	Days		Travel Cost	Subsist		Total Cost						
Task I													
Honolulu	1	34		262	850		1112						
Honolulu	1	64		542	1600		2142						
Soviet Mission To Bonn	1			757	—		757						
Washington	6	12		340	300		610						
Total Task I									4651				
Task II													
Washington	10	20		567	500				1067				
Task III													
Washington	4	8		227	200				427				
Task IV													
Washington	4	8		227	200				427				
Task V	9	18		510	450				960				
									1532				

USMC COMMUNICATION STUDY
FIELD PREMIUM AND
HAZARDOUS DUTY PREMIUM

SCHEDULE IV

LABOR CLASS	HOURLY RATE	FIELD PREMIUM HOURS	FIELD PREMIUM RATE	FIELD PREMIUM DOLLARS	HAZARDOUS DUTY PREMIUM HOURS	HAZARDOUS DUTY PREMIUM RATE	HAZARDOUS DUTY PREMIUM DOLLARS
Eng. Specialist	$8.86	32	$2.22	$ 71	160	$3.99	$638.
ADV R&D Engr.	$7.53	512	1.88	962	480	3.39	1,627.
TOTALS		544		$1,033	640		$2,265

27 November 1968

To: Lt. Col. P. C. Walker, USMC

From: Daniel V. McLaughlin

Subject: Traffic Data to be Obtained from FMF Units in III MAF

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1. First, to obtain the overall view the following items are necessary regardless of the means of data gathering:

   1 Situation Map of III MAF units, down to Company level, at the time the data is gathered

   2 Circuit diagram of III MAF units, to include sole user circuits, at the time the data is gathered

   3 Definition of any limitation, constraints or qualifications of the mission, task organization, deployment, communications, or traffic data that existed at the time the data is gathered.

2. The most complete, but most demanding, means of attaining the traffic statistics from FMF units in RV would be to have each unit complete the information on Sheet #1 for each call which the unit originates or receives within a fixed period of time. The length of such a time period should be a minimum of forty eight (48) hours and ideally should be several weeks. The information on Sheet #1 would lend itself to an IBM type card with the exception of the identification of the called and calling unit and even this could possibly be worked out; however, it would still require units to fill out a card for each reception or transmission.

3. Sheet #2 contains the type of information that a form questionnaire should contain for submission to each unit for completion. The information requested could be filled out without too much time and would reflect the knowledge and observations of the units communications officer and any other officers, SNCO's, or NCO's to whom it was submitted. The submission of this type of information by a sufficient number of equivalent units should produce the desired information. The information on Sheet #2 could be refined and placed on a DD 173 form, thus creating a minimum amount of paper work and yet facilitating data gathering and reduction.

Daniel V. McLaughlin

1 Identification of the Calling Unit

2 Identification of the Called Unit

3 Identification of the location within the Calling Unit which originated the call

a. TOC Tactical Operations Center

b. FSCC Fire Support Coordination Center

c. FDC Fire Direction Center

d. LACC Logistics Administrative Coordination Center

e. DASC Direct Air Support Center

f. TACC Tactical Air Control Center

g. TADC Tactical Air Direction Center

h. TAOC Tactical Air Operations Center

i. MATCU Marine Air Traffic Control Unit

j. SACC Supporting Arms Coordination Center

k. MTIC Marine Tactical Intelligence Center

4 Identification of the Location within the Called Unit

5 Functional Classification of the Call

a. Logistics/Administration

b. Intelligence

c. Fire Support

d. Air Operations

1) Air Defense

2) Air Coordination

3) Air Support

e. Communications Technical Control

6 Duration of the Call in Minutes

7 Time Call Initiated

8 Classification of Message Form

a. TTY

b. Voice

c. Data ($\leq$2400)

d. Data ($\geq$2400)

e. FAX

9 Sole Source Circuit (Yes or No)

1. Identification of the unit on which the data is being gathered (i.e., 1st Bn, 2nd Marines).

2. List of all the other units with which this unit must communicate (needlines).

3. Estimation of the number of call/hours per 24 hours that this unit communicates with each of the listed units (2nd Bn, 2nd Marines, 2nd Marines, etc.).

4. Estimation of the number of call hours per busy hour that this unit communicates with each of the listed units.

5. Time of day that the busy hour to each of the units occurs.

6. Functional classification, by percentage, of the call hours per 24 hours for each of the listed units (Operation, Intelligence, Fire Support, etc.).

7. Location classification, by percentage, of the call hours per 24 hours for each of the listed units (FSCC, TOC, DASC, TACC, TAOC, etc.).

8. Message form classification, by percentage, of the call hours per 24 hours for each of the listed units (TTY, voice, data, and FAX).

9. Number and functional classification of sole user circuits required to each of the listed units.

10. Estimated number of pages of FAX each unit would send per 24 hours if it had FAX capability.