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AGDA-A (M) (22 Jun 71) FOR OT UT 704115

6 July 1971

SUBJECT: Operational Report - Lessons Learned, Headquarters, 160th
Signal Group, Period Ending 31 October 1970

SEE DISTRIBUTION

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1. The attached report is forwarded for review and evaluation in accordance with para 4b, AR 525-15.
2. The information contained in this report is provided to insure that lessons learned during current operations are used to the benefit of future operations and may be adapted for use in developing training material.
3. Information of actions initiated as a result of your evaluation should be forwarded to the Assistant Chief of Staff for Force Development, ATTN: FOR OT UT within 90 days of receipt of this letter.

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(Signature of Verne L. Bowers)
 VERNE L. BOWERS
 Major General, USA
 The Adjutant General

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DEPARTMENT OF THE ARMY
HEADQUARTERS, 160TH SIGNAL GROUP
APO San Francisco 96491.

SCCFV-UG-OP-PF

14 November 1970

SUBJECT: Operational Report - Lessons Learned 160th Signal Group,
Period Ending 31 October 1970, RCS CSFOR-65 (R2)

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1. Operations: Significant Activities.

a. Personnel: The Group's assigned strength (3051) is below the authorized strength (3365). The total number of incoming personnel was more than those during the last quarter (799 vs 908) and the total number of personnel outgoing was more than during the last quarter (964 vs 1,329). There were 3051 personnel assigned as of this reporting period, which represented a decrease of 421 personnel over the previous reporting period.

(1) The Group processed 870 incoming and 1,278 outgoing enlisted personnel as follows:

<u>UNIT</u>	<u>AUG</u>		<u>SEP</u>		<u>OCT</u>		<u>TOTAL</u>		<u>NET QTR</u>	
	<u>GAIN</u>	<u>LOSS</u>	<u>GAIN</u>	<u>LOSS</u>	<u>GAIN</u>	<u>LOSS</u>	<u>GAIN</u>	<u>LOSS</u>	<u>GAIN</u>	<u>LOSS</u>
HHD	7	24	18	21	14	22	39	67		28
SSA LBN	83	130	61	100	125	150	269	380		111
SSA SGN	45	149	72	85	98	94	215	328		113
40th Sig Bn	79	71	25	76	92	112	196	259		63
CLSC-V	27	64	38	46	16	43	81	153		72
SSSEA-1.	8	6	10	5	11	14	29	25	4	
SEAPC	0	0	0	3	0	2	0	5		5
221st Sig Co	18	12	11	23	12	26	41	61		20

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(2) The Group also processed 38 incoming and 51 outgoing officer personnel as follows:

<u>UNIT</u>	<u>AUG</u>		<u>SEP</u>		<u>OCT</u>		<u>TOTAL</u>		<u>NET QTR</u>	
	<u>GAIN</u>	<u>LOSS</u>	<u>GAIN</u>	<u>LOSS</u>	<u>GAIN</u>	<u>LOSS</u>	<u>GAIN</u>	<u>LOSS</u>	<u>GAIN</u>	<u>LOSS</u>
HHD	2	5	4	0	1	1	7	7		
40th Sig Bn	1	4	4	5	1	2	6	11		5
SSA LBN	1	4	6	4	3	4	10	12		2
SSA SGN	0	2	3	5	2	3	5	10		5
CLSC-V	1	0	4	4	0	2	5	6		1
SSSEA-1	0	0	1	1	1	1	2	2		
SEAPC	0	0	0	0	0	0	0	0		
221st Sig Co	0	2	3	1	0	0	3	3		

(3) During the quarter, enlisted promotion allocations were distributed as follows:

<u>UNIT</u>	<u>E-9</u>	<u>E-8</u>	<u>E-7</u>	<u>E-6</u>	<u>E-5</u>	<u>E-4</u>	<u>TOTAL LAST QTR</u>
HHD	0	0	0	0	14	9	23
SSA LBN	0	0	0	2	90	70	162
SSA SGN	0	0	0	2	108	71	181
40th Sig Bn	0	0	0	0	79	80	159
CLSC-V	0	0	0	1	38	12	51
SSSEA-1	0	0	0	1	60	2	63
SEAPC	0	0	0	0	0	0	0
221st Sig Co	0	0	0	0	12	14	26

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(4) During this period, the following awards were approved for Group personnel:

<u>AWARD</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>TOTAL</u>	<u>LAST QTR</u>
LOM	0	1	1	2	7
SS	0	0	0	0	0
BSM "V"	0	0	1	1	8
BSM	69	48	60	177	145
AM	0	1	0	1	12
ACM "V"	0	0	0	0	0
ACM	225	168	176	569	441
PH	1	0	0	1	2
TOTAL	295	218	238	751	615

(5) As of 31 October 1970, the assigned strength for the Group Headquarters was as follows:

<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>TOTAL</u>	<u>LAST QTR</u>
21	4	127	152	165

(6) The following Information Office (IO) program statistics are furnished:

(a) Fourteen IO press releases and 20 accompanying photographs were forwarded to the 1st Signal Brigade; many of these releases were printed in the COMMUNICATOR, ARMY TIMES, STARS AND STRIPES, ARMY REPORTER and the COMMUNICATIONS DIGEST. Two feature articles were also submitted and will be published in the Brigade quarterly magazine.

(b) 614 home town news releases (DA Form 1526) were forwarded to 1st Signal Brigade - 257 in Aug, 202 in Sep, and 155 in Oct 70.

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(c) The quota assigned by the 1st Signal Brigade for the reporting period was 834 HTNRs. During this period, the Group filled 75% of its quota. This figure gives the Group the highest submission rate in the Brigade.

(7) Key personnel of the Group headquarters include:

(a) Commanding Officer - COL James L. Jones.

(b) Deputy Commander - LTC Thomas P. Burke filled the vacancy left by LTC Joseph C. Racke.

(c) S-1/Adjutant - 1LT Steven L. Overstreet.

(d) S-2 - 1LT John F. Woods.

(e) S-3 - CPT Wilford D. Lindsey succeeded MAJ Charles R. Thomas.

(f) S-4 - MAJ George D. Rhodes.

(g) Operations Officer - MAJ Robert D. Delius III.

(h) Chief, Systems Engineering and Analysis Officer - MAJ Robert D. Delius III.

(i) Chief, Comm Engineering and Analysis Officer - CW2 Samuel G. Hyatt Jr.

(j) Telephone Management Officer - MAJ Bernard T. Fisher.

(k) Command Sergeant Major - CSM Salvatore Maiello succeeded CSM Sam M. Garrett Jr.

(8) Key personnel for separate units reporting directly to the 160th Signal Group are as follows:

(a) SEAPC: MAJ William B. Valen - Commanding Officer

1LT Eric A. Wiegand - Operations Officer

(b) SE Asia Sig Sch No 1: LTC George R. Davis succeeded LTC Henry L. Cody as Commanding Officer.

MSG Albert L. Griffin - Sergeant Major

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(c) COMSEC Log Spt Cen-Vietnam: MAJ Raymond L. Kervahn - Commanding Officer.

Jan M. Butlak as Deputy Commander.

CPT Daniel J. Peck succeeded CPT

MSG Harry G. Abel - Sergeant Major

b. Intelligence. None.

c. Operations.

(1) Sector Defense: In the last Quarter one (1) new perimeter bunker was constructed in the 160th Signal Group Sector. Two (2) Defense Plans (OPLAN 1-71 and OPLAN 14-71) were updated to meet the current situation.

(2) SEAPC:

(a) During the reporting period, a total of 4,582 photographs and 43,541 feet of exposed motion picture film was submitted to Department of the Army for historical retention and utilization.

(b) Major photographic projects during the reporting period included the still coverage, in color and black and white of all Signal sites of the 1st Signal Brigade in the Republic of Vietnam and Thailand. The coverage was made in triplicate with one copy to USASTRATCOM, a second to USASTRATCOM - Pacific and the third in SEAPC files.

(c) Other subjects of major coverage for Department of the Army record included:

- (1) 1st Air Cavalry Division
- (2) 4th Infantry Division
- (3) 25th Infantry Division
- (4) 101st Airborne Division
- (5) Americal Division
- (7) 11th Armored Cavalry Regiment

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- (7) 9th ARVN Division
- (8) 18th ARVN Division
- (9) 21st ARVN Division
- (10) CORDS Operations
- (11) SEAPC Operations

(d) Special emphasis continued to be placed on the facets of Vietnamizing of the war. This coverage varied from joint combat operations to technical training at ARVN branch schools.

(3) CLSC-V: During the reporting period the CLSC-V NESTOR Briefing and Demonstration Team conducted 24 briefings on the Tactical Secure Voice Communications System (NESTOR) to using units throughout Vietnam. Three hundred sixty-three personnel attended these briefings.

(4) SSSEA-1:

(a) The school had an input of 637 students in 18 courses of instruction. Of this total 598 were graduated. The attrition rate for the reporting period is 8%. The significant increase was due to levies causing students to be withdrawn from courses, emergency, leave, hospitalization, and academic standing.

(b) The New Equipment Training Team that arrived in-country on 19 July 1970 to teach the Telephone Key Systems Maintenance Course is scheduled to leave on 19 November 1970. One instructor presently assigned to the school has been through the course and will keep the course in operation after departure of the NET Team.

(c) Student input for the next quarter is expected to increase significantly due to the increase in the input of ARVN personnel in the Telephone Installation and Repair course and the AN/TRC-24 Operator course above the normal allocations already established for the 2nd Quarter FY71.

(d) The New Equipment Training Team to teach PCM (LOWCAP) did not arrive in-country on 15 September 1970 as scheduled. There is no projected date for this team at the present time.

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(e) The Systems Control course during this quarter was redesignated as a Tactical Control Course. Final approval to revise the POI and lesson plans was approved by 1st Signal Brigade on 26 October 70. The course scheduled for 3-27 November 70 was cancelled in order to completely revise this course, turn-in unneeded equipment and pick-up additional equipment required for the new course of instruction.

1 The MTDA authorized most of the equipment on hand and required. Equipment on hand required but not authorized by MTDA will be submitted for approval.

2 The MTDA authorized most of the personnel on hand and required. Some positions required but not authorized by MTDA and positions authorized but not required by MTDA will be submitted for approval.

(j) During the reporting period, units of the 160th Signal Group were visited by the following officials and distinguished guests:

(a) On 2 August 1970 the 160th Signal Group was visited by COL Sam H. Sharp, Deputy Chief of Staff (Designate), HQ, USASTRATCOM.

(b) On 16 August 1970 the 160th Signal Group was visited by BG E. M. Lynch, Deputy IG, Department of the Army.

(c) On 27 August 1970 the 160th Signal Group was visited by BG Jack A. Albright, Deputy Commanding General, 1st Signal Brigade.

(d) On 5 September 1970 the 160th Signal Group was visited by COL Joseph E. Venables, Deputy J-6, CINCPAC.

(e) On 9 September 1970 the 160th Signal Group was visited by COL Tien, Commanding Officer, 65th ARVN Signal Group, LTC Dan, Commanding Officer, 65th ARVN Signal Battalion, MAJ Lieng, S-3, 65th ARVN Signal Group, CPT Ry, Commanding Officer, 3rd ARVN Cable Construction Company, and MAJ Carmody, US Advisor to the 65th ARVN Signal Group.

(f) On 15 October 1970 the 160th Signal Group was visited by BG James J. Ursano, Deputy Chief of Staff (Personnel and Administration), HQ USARV.

(g) On 29 October 1970 the 160th Signal Group was visited by COL John Williamson, Director of Signals, Royal Australian Corps of Signals.

d. Organization. None.

e. Training. The group participated in the following training programs:

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<u>COURSE</u>	<u>GRADUATES</u>
PCM (HICAP) Operator Course	4
PCM (MEDCAP) Maintenance Course	3
Telephone Key Systems Maintenance Course	7
Prescribed Load List (FLL)	14
Tactical Circuit Controller	6
Cable Splicer Course	20
Telephone Installation and Repair Course	12
MOS Refresher Course (71H)	1
AUTODIN/DSTE Refresher Maintenance Course	5
AN/GRC-106 Maintenance Course	1
EAC Maintenance Course	6
COR Training Course	6

(1) Enlisted Personnel received training in the following special areas:

<u>SUBJECT</u>	<u>INSTRUCTOR</u>	<u>ATTENDED</u>
Defensive Driving Training	1st Sig Bde	1549
Drug Training	Unit Pers/CID	1766
Field Sanitation Training	Unit Personnel	262
Audio Visual Training	SEAPC	18
Combat Leadership Training	25th Inf Div	6
Generator Training	160th Sig Gp	7
TAMMS Training	160th Sig Gp	66
Range Firing (Zero)	Unit Pers	2183

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(2) The 160th Group Legal Officer has conducted a class on Search and Seizure for NCO's.

(3) An extensive mission essential training program was conducted to augment CONUS MOS training and to cross train individuals to fill shortages. The following MOS's were included: 26L, 31M, 32D, 32F, 36E, 36H, 72B, and 72F.

f. Logistics:

(1) Improved Dissemination of Information: Past experience has proven that many of the personnel assigned to logistical positions in units and organizations throughout the 160th Signal Group were not receiving information necessary to the normal operational functions of their respective areas of endeavor. Newly implemented supply procedures, changes to maintenance directives, information on food service techniques, to name a few, were not being received through normal distribution channels. These items were either lost, misrouted, or not clear enough in content to be of any benefit to the user. To eliminate occurrences of this nature the Group S-4 Section initiated a quarterly logistics meeting with all supply and maintenance personnel in the Group in attendance. By utilizing this means of communication with the person responsible for the implementation of logistics concepts within the units assigned to the Group, all those involved were able to discuss and reach logical, workable conclusions with a minimum amount of confusion. This program has functioned so well that the Group S-4 at the direction of the Group Commander has implemented a once monthly logistics meeting. The Group S-4 Section also publishes Logistics Bulletin to improve dissemination of logistics information to subordinate units. It is hoped that this means of communication will improve the logistical posture of the Group.

(2) Improved Maintenance Posture: During the past quarter the overall equipment deadline rate has greatly improved. This improvement is primarily attributed to two factors: the turn-in of equipment and the increased emphasis on maintenance.

(a) Although reorganization of the Group took place during the 4th Quarter of FY70, the turn-in or lateral transfer of equipment thereby made excess could not be accomplished until late in the 4th Quarter FY70 and early in the 1st Quarter FY71. In addition to equipment made excess by reorganization a turn-in program of equipment authorized but not required has been initiated. This turn-in of property has lowered the maintenance work load, allowing greater time and effort to be expended on a lesser amount of equipment.

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(b) The emphasis on command maintenance and initiation of a vehicle maintenance program have lowered the deadline rate in all commodity group areas. Although an in-country shortage of some vehicle parts was experienced, the utilization of authorized cannibalization points helped to keep deadlines at a minimum. The washout of vehicles and generators after a 60 or 90 days in maintenance support units has further reduced the unit deadline rate.

g. Communications:

(1) This section of the report is divided into areas of functional responsibility.

(a) Telephone Management:

i The following telephone communications facilities are operated by Group units at locations indicated.

<u>FACILITY</u>	<u>LOCATION</u>
Long Binh DTE (5000 line capacity)	Long Binh
MACV DTE (3000 line capacity)	Saigon (MACV Hqs)
Tiger DTE (2000 line capacity)	Saigon (MACV I)
USARV EAC (100 line capacity)	Long Binh (USARV Hqs)
MACV EAC (200 line capacity)	Saigon (MACV Hqs)

2 Telephone Systems Projects Include:

- a Start of rehabilitation of Long Binh Post Outside Plant.
- b Start of rehabilitation of Saigon Outside Plant.
- c Long Binh Manhole Duct System is 90% completed, (Phase II).
- d MACV Manhole Duct System is 90% completed, (Phase II).
- e Installation of AN/TTC-26 for contingency is 75% completed.
- f Rehabilitation of USARV-V Hqs inside plant has been completed.

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3 Cable Installation Projects, Completed MO's, CTO's and CMO's.

<u>MISSION ORDER</u>	<u>WORK</u>	<u>AREA</u>
66-70	Telephone Installation	Hqs 29th Gen Spt Gp
67-70	Telephone Installation	Hqs USASUPCOM Troop Cnd
68-70	Telephone Installation	USARV Special Services
81-70	Cable Installation	Hqs 1st Sig Bde
84-70	Rehab Telephones	218th Med Disp
86-70	Rehab Telephones	BOQ#1
91-70	Telephone Installation	4th Transportation Cnd
93-70	Relocate Cable	79th Maint Gp
94-70	Telephone Installation	1st Avn Bde
95-70	Telephone Installation	Hqs 71st Trans Bn
96-70	Cable Installation	GOQ
98-70	Rehab Telephones	USAHAC Hqs
99-70	Rehab Telephones	Cnd Adv Team
100-70	Cable Installation	CSEMA Cable Yard
101-70	Cable Installation	RMK Area
102-70	Rehab Telephones	USAHAC PMO
103-70	Replace Pole	Phu To
104-70	Relocate Cable	Cnd Adv Team
107-70	Terminal Inst	MACV-V Co 107
108-70	Cable Installation	O2 Cable, LBN
110-70	Cable Installation	1st Sig Bde Cnd Bunker
111-70	Test Evaluation	3rd Ord Bn Area Co

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<u>MISSION ORDER</u>	<u>WORK</u>	<u>AREA</u>
114-70	Rehab Cable	Soc Trang
117-70	Cable Installation	Bien Hoa

<u>CTO's</u>	<u>WORK</u>	<u>AREA</u>
25-70	Cable Replace	Bear Cat
28-70	Cable Replace	Can Tho
29-70	Cable Replace	Vung Tau
60-70	Cable Relocation	Di An

4 Mainline fill is as follows compared to last Qtr:

- a Long Binh DTE 3550, a decrease of 5.8%
- b Tiger DTE 1409, an increase of 1.9%
- c MACV-V DTE 2165, a decrease of 3.4%

(b) System Engineering and Control:

1 During the past quarter, the 160th Signal Group underwent five changes in its radio systems.

a Three DCA systems were activated:

<u>SYSTEM DESIGNATOR</u>	<u>TERMINALS</u>
77UT6H	LBN - Site 96
77UH45	Site 96 - Site 96A
77UH46	Site 96 - Site 96B

b One Corp. Area system was deactivated:

<u>SYSTEM DESIGNATOR</u>	<u>TERMINALS</u>
CCH-47	LBN - CTL

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c One Corp Area system was activated:

<u>SYSTEM DESIGNATOR</u>	<u>TERMINALS</u>
CCW-47	LBN - CTL

2 The remaining 160th Signal Group Systems are:

a DCA

1 Troposcatter

<u>SYSTEM DESIGNATOR</u>	<u>TERMINALS</u>
77UT2Y	TSN - CTO
77UT73	TSN - LBN
77UT89	TSN - PRL

2 VHF (AN/GRC-50)

<u>SYSTEM DESIGNATOR</u>	<u>TERMINALS</u>
77UHM4	SGN - NBE

3 VHR (AN/TRC-24)

<u>SYSTEM DESIGNATOR</u>	<u>TERMINALS</u>
77UH40	MACV - PLM

b CACS:

1 Microwave

<u>SYSTEM DESIGNATOR</u>	<u>TERMINALS</u>
CCS04	TSN - LBN
CHS05	LBN - LKN
CAS06	LBN - BNH
CAS07	LBN - DAN
CAS08	LBN - FLO

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2 VHF (AN/GRC-50)

<u>SYSTEM DESIGNATOR</u>	<u>TERMINALS</u>
CAW-19	TSN - CCI
CAW-24	SGN - NBE
CAW-39	TSN - DAN
CAW-41	SGN - NBE
CAW-56	TSN - BLC
CAW-60	LBN - FXT
CAW-49	SGN - LBN

3 PCM Cable Carrier

<u>SYSTEM DESIGNATOR</u>	<u>TERMINALS</u>
CAR-20	LBN - PLT
CAR-21	LBN - PLT

4 Summary: The Group posted an increase in the number of systems it operates with the activation of a troposcatter - VHF system complex to meet increased communications requirements. The next quarter should begin a reversal, however, as the Group begins to reduce its communications in conjunction with the withdrawal of U. S. forces from Vietnam.

c Communications Center Engineering and Analysis:

1 The First Quarter, ending 31 October 1970, reflected a decrease of 87,610 cards for Send Data Traffic, an increase of 512,877 cards Received Data Traffic and significant decrease in Teletype messages sent and received.

2 A comparison of Manual Data Traffic is shown below:

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MANUAL TELETYPE TRAFFIC

	<u>SEND</u>	<u>RECEIVE</u>	<u>TOTAL</u>
MESSAGES PREVIOUS QUARTER	438,711	550,651	984,372
MESSAGES THIS QUARTER	129,393	238,088	367,481

MANUAL DATA TRAFFIC

CARDS PREVIOUS QUARTER	3,139,994	3,153,160	6,293,124
CARDS THIS QUARTER	3,052,384	3,666,007	6,718,391

3 Immediate precedence traffic continues to be more than 60% of all traffic handled. As troop strength and assigned units depart RVN, Immediate traffic is expected to decrease although traffic volume should remain approximately the same because logistical type messages increase accordingly with equipment turn-ins and movement.

4 Handling times for originated traffic have decreased slightly during the 1st Quarter, due to a decrease in originated traffic.

5 The establishment of a Telecommunications Communications Center (TCC) at USARV Headquarters has significantly reduced originating handling times of messages by essentially eliminating duplication of work by separate AG and Commcen Sections.

6 The service rate has decreased slightly and has continued to be consistently below established goals. Quality Control continues to be a matter of command interest. No significant changes are anticipated in service rates.

h. Material. None.

i. Other. None.

2. Lessons Learned: Commander's Observations, Evaluations, and Recommendations.

a. Personnel. None.

b. Intelligence. None.

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c. Operations. None.

d. Organization.

(1) OBSERVATION: During this quarter orders were cut to transfer the 221st Signal Company (Pictorial) from the 40th Signal Battalion (Cons) to SEAPC. Effective date of the orders was 1 October 1970.

(2) EVALUATION: This transfer was effected to better align the command structure and to allow better operational control of personnel and equipment.

(3) RECOMMENDATION: None.

e. Training. MOS 72B20

(1) OBSERVATION: Field experience has shown that the knowledge of the average 72B20 course graduate is insufficient to permit his utilization as a COMSEC Accounting Specialist without extensive on-the-job training.

(2) EVALUATION: Increased training in accounting would give the individual a balance between the kinds of skill in COMSEC Accounting required, both at the tactical (user) and fixed station (support) level.

(3) RECOMMENDATION: To increase the number of hours devoted to COMSEC Accounting for MOS 72B20.

f. Logistics.

(1) Supply problem with specialized equipment.

(a) OBSERVATION: Logistics has been a problem in RVN with respect to the developmental and experimental items of equipment peculiar to the mission of the South East Asia Pictorial Center - Vietnam.

(b) EVALUATION: Many of the items of equipment authorized on the SEAPC MTOE are one of a kind developmental type items. In some cases the unit has been hampered by the fact that certain essential parts have not been available for the equipment on hand. One example is that manuals for the photographic vans used throughout Vietnam were not printed until two years after the vans themselves were already in-country.

(c) RECOMMENDATION: Recommend that procedures be developed to insure that all necessary spare parts and operator's manuals are in the supply pipeline and arrive with the equipment.

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(2) Urgent MWO on TSEC/KY-38.

(a) OBSERVATION: The equipment had to be handled at two different times to complete this MWO. The MWO was issued in two phases and together both phases required 7 hours to complete.

(b) EVALUATION: An urgent MWO normally has a required completion date of 120 days. Having to recall all the TSEC/KY-38's twice proved 120 days was not sufficient time for completion. An additional 65 days was requested for completing subject MWO and the extension was granted by DA. Another reason for the extension was that combat commanders were reluctant to turn in their COMSEC equipment twice because they could not afford to have it in maintenance that long. Also, the MWO kit had tools that were unsatisfactory and broke through normal use and the consumable items, i.e. liquids, sealant, were not in sufficient quantities and had to be re-ordered. The replenishment has not yet been received and 140 days after starting the 1st phase, the published MWO has not been received in this command.

(c) RECOMMENDATION: Recommend that every effort be made to consolidate the issue of MWO's to the General Support Maintenance activity so that equipment need be recalled from the user a minimum number of times.

(3) Certain parts not in P-Series manual.

(a) OBSERVATION: Not all parts shown in the COMSEC Illustrated parts manual are in the P-Series manual.

(b) EVALUATION: Parts not in the P-Series manual have to be individually justified. This is time consuming and at times requisitions are not accepted by the supply system.

(c) RECOMMENDATION: Recommend that all parts listed in the COMSEC Illustrated parts manual also be referenced in the P-Series manual, thus allowing normal requisitioning procedures to be followed. These requisitions should be signed on the back by the commander or operations officer which should suffice as justification for the needed items.

(4) KY-36 Control Panel.

(a) OBSERVATION: Some controls on the front panel of the TSEC/KY-36 are being damaged through normal use under combat conditions.

(b) EVALUATION: Two switches break frequently, requiring that the equipment be evacuated for maintenance. The Zeroized Switch and the Delay In/Out switch appear to be unsatisfactory.

14 November 1970

SUBJECT: Operational Report - Lessons Learned 160th Signal Group

Period Ending 31 October 1970, RCS CSFOR-65 (R2)

(c) RECOMMENDATION: Recommend that both switches be better constructed and protected by providing a housing to prevent them from being struck by external objects during transportation.

g. Communications.

(1) OBSERVATION: During a power failure, a severe voltage drop at the Long Binh Dial Telephone Exchange, coupled with a lack of a limiting resistor in the end cell switch solenoid, caused the loss of ringing power throughout Long Binh Post. The limiting resistor had not been replaced following a previous failure of the same solenoid as it was not available through supply channels.

(2) EVALUATION: 1st Signal Brigade TELMA recommended fabrication of a resistor of aluminum strips from disposable beer cans until such time that the correct item is obtained through normal supply channels. TELMA stated that measurements of such fabricated resistors at the Air Force Labs had revealed that their value is within .001 ohms of the original item. Such a resistor has been constructed and installed and is working satisfactorily.

(3) RECOMMENDATION: None.

h. Material. None.

i. Other. None.

1 Incl
Organizational Chart

James L. Jones
JAMES L. JONES
COL, SigC
Commanding

DISTRIBUTION:

11 - CG, 1st Sig Bde
3 - CG, USARV, ATTN: AVHGL-DST, APO 96375
2 - CINCUSARPAC, ATTN: GPOP-DT, APO 96558
1 - CG, USASTRATCOM-PAC, Schofield Brks, APO 96557

SCCPV-OP-CC (14 Nov 70) 1st and
SUBJECT: Operational Report Lessons Learned 160th Signal Group for Period
Ending 31 October 1970, RCS CSFOR-65 (R2)

DA, HQ, 1st Signal Brigade (USASTRATCOM), APO 96384 NOV 30 1970

TO: Commanding General, United States Army, Vietnam, AITN: AVHGC-D&T,
APO 96375

1. Subject report is forwarded in accordance with AR 525-15.
2. This headquarters has reviewed the report and concurs in it with the following comments and/or exceptions:
 - a. Reference para.1.c.(2) (c), pg. 5-6. All paragraphs 1.c.(2)(c)(1) thru 1.c.(2)(c)(11) should read 1.c.(2)(c) 1 thru 1.c.(2)(c) 11. The first paragraph 1.c.(2)(c)(7) should read 1.c.(2)(c)6.
 - b. Reference para. 1.g.(2)(b)2 c 1, pg.14, should read Third Quarter in lieu of First Quarter since this report is based on a reporting year beginning 1 February and ending 31 January.
 - c. Reference item "Training", para.2.e, pg.16. The Communications Center Specialist Course (72B20) as listed in AR 611-201, has no provisions for teaching personnel to become Crypto Accountants (72B30). However, the Course does teach general crypto accounting and procedures - enough so that one is aware of systems, responsibilities and the basic knowledge of handling crypto material. To become a Crypto Accountant is no easy task and cannot feasibly be accomplished in a classroom when considering the security involved, time involved, and the vast amount of regulations and instructions that one is required to know. The only effective way one can become a Crypto Accountant is through OJT. However, this office is conducting a survey to determine the Brigade wide scope of the COMSEC Accounting training problem. Upon completion of the survey, this office will make appropriate recommendations and take necessary action.
 - d. Reference item "Supply Problem With Specialized Equipment", para.2.f.(1), pg. 16. Spare parts and manuals are normally provided with the equipment. A unit that receives equipment less spare parts and manuals must requisition and/or order parts and manuals that are missing. When a "New to the Army" equipment is issued, Technical Manuals (TM) are often not available. However, this equipment should be furnished with a preliminary edition of the TM's or manufacturers manuals which include operating instructions and equipment parts lists.
 - e. Reference item "Urgent M&O on T&C/KY-38", para.2.f.(2), pg.17.

(1) Urgent M&O's:

Urgent M&O for equipments in use will be modified immediately and may be operated under limitations where operational considerations preclude immediate down-time. Equipment not modified within 120 days of the time compliance date will no longer be operated until the M&O is applied. Serviceable equipment at GS facilities will be modified as soon as practical but no later than 120 days from time compliance date. Equipment will not be

SCCPV-OP-CC (14 Nov 70) 1st Ind
SUBJECT: Operational Report Lessons Learned 160th Signal Group for Period
Ending 31 October 1970, RCS CSFOR-65 (R2)

issued until modified.

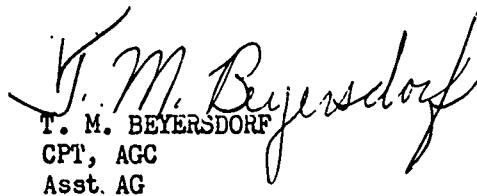
(2) Normal MWO's:

Normal MWO for equipments in use will be modified as soon as practical but no later than 12 months from the time compliance date. Serviceable equipment at GS facilities will be modified as soon as practical but no later than 12 months from the time compliance date. Equipment will not be issued until modified. The problem cited is an isolated situation where the equipment was recalled twice for the same MWO. However, there are occasions when this might be necessary for an URGENT MWO where the modification parts do not arrive at the same time as in this case.

f. Reference item "Certain Parts Not in P-series Manual", para.2.f.(3), pg.17. This is a continuing problem that can be resolved by the unit itself. The unit recognizing these deficiencies should submit DA Form 2028 (Recommended changes to DA Publications) reflecting this. There are two channels for requisitioning parts - The Army COMSEC Logistics System for UNIQUE items and the normal supply channel for all other items. ASA has reduced restrictions on some UNIQUE items and these are now in the normal supply system making requisitioning easier.

g. Reference item "KY-38 Control Panel", para. 2.f.(4), pg. 17-18. An EIR with form 2407 should be submitted in accordance with the 1st Signal Brigade procedures.

FOR THE COMMANDER:


T. M. BEYERSDORF
CPT, AGC
Asst. AG

CF:

Assistant Chief of Staff for Force Development, Department of the Army,
Washington, D.C. 20310
Commanding General, U.S. Army Strategic Communications Command,
ATTN: SCC-OPS-RT, Ft Huachuca, Arizona 85613
Commanding Officer, 160th Signal Group, APO 96491
Commanding Officer, 2d Signal Group, APO 96491
Commanding Officer, 12th Signal Group, APO 96349
Commanding Officer, 21st Signal Group, APO 96240
Commanding Officer, 29th Signal Group, APO 96346
Commanding Officer, USASTRATCOM Regional Communications Group, APO 96243

AVHDO-DO (14 Nov 70) 2nd Ind
SUBJECT: Operational Report - Lessons Learned 160th Signal Group,
Period Ending 31 October 1970, RCS CSFOR-65 (R2)


Headquarters, United States Army Vietnam, APO San Francisco 96375 12 JAN 1971

THRU: Commanding General, United States Army Strategic Communications
Command-Pacific, APO 96557

TO: Commander in Chief, United States Army Pacific, ATTN: GPOP-DT,
APO 96558

This Headquarters has reviewed the Operational Report-Lessons Learned
for the quarterly period ending 31 October 1970 from Headquarters, 160th
Signal Group and concurs with comments of indorsing headquarters.

FOR THE COMMANDER:


JACK P. COOK
CPT, AGC
Assistant Adjutant General

Cy furn:
1st Sig Bde
160th Sig Gp

SCCP-OP (14 Nov 70) 3d Ind
SUBJECT: Operational Report - Lessons Learned, 160th Signal Group,
Period Ending 31 October 1970, RCS CSFOR-65 (R2)

Headquarters, U. S. Army Strategic Communications Command-Pacific, APO
San Francisco 96557 02 FEB 1971

THRU: Commander in Chief, United States Army, Pacific, ATTN: GOP-DT,
APO 96558
Commanding General, U. S. Army Strategic Communications Command,
Fort Huachuca, Arizona 85613

TO: Assistant Chief of Staff for Force Development, Department of the
Army, Washington, D. C. 20310

1. Subject report is forwarded in accordance with AR 525-15.
2. This headquarters concurs with subject report as indorsed.

FOR THE COMMANDER:



R. A. SMITH
COL, GS
Chief of Staff

CF:
CG, USARV, APO 96375 wo incl
CG, 1st Signal Brigade (USASTRATCOM), APO 96384 wo incl
CO, 160th Signal Group (USASTRATCOM), APO 96491 wo incl

GPOP-DT (14 Nov 70) 4th Ind
SUBJECT: Operational Report of HQ, 160th Signal Group for Period Ending
31 October 1970, RCS CSFOR-65 (R2)

HQ, US Army, Pacific, APO San Francisco 96558 19 FEB 1971

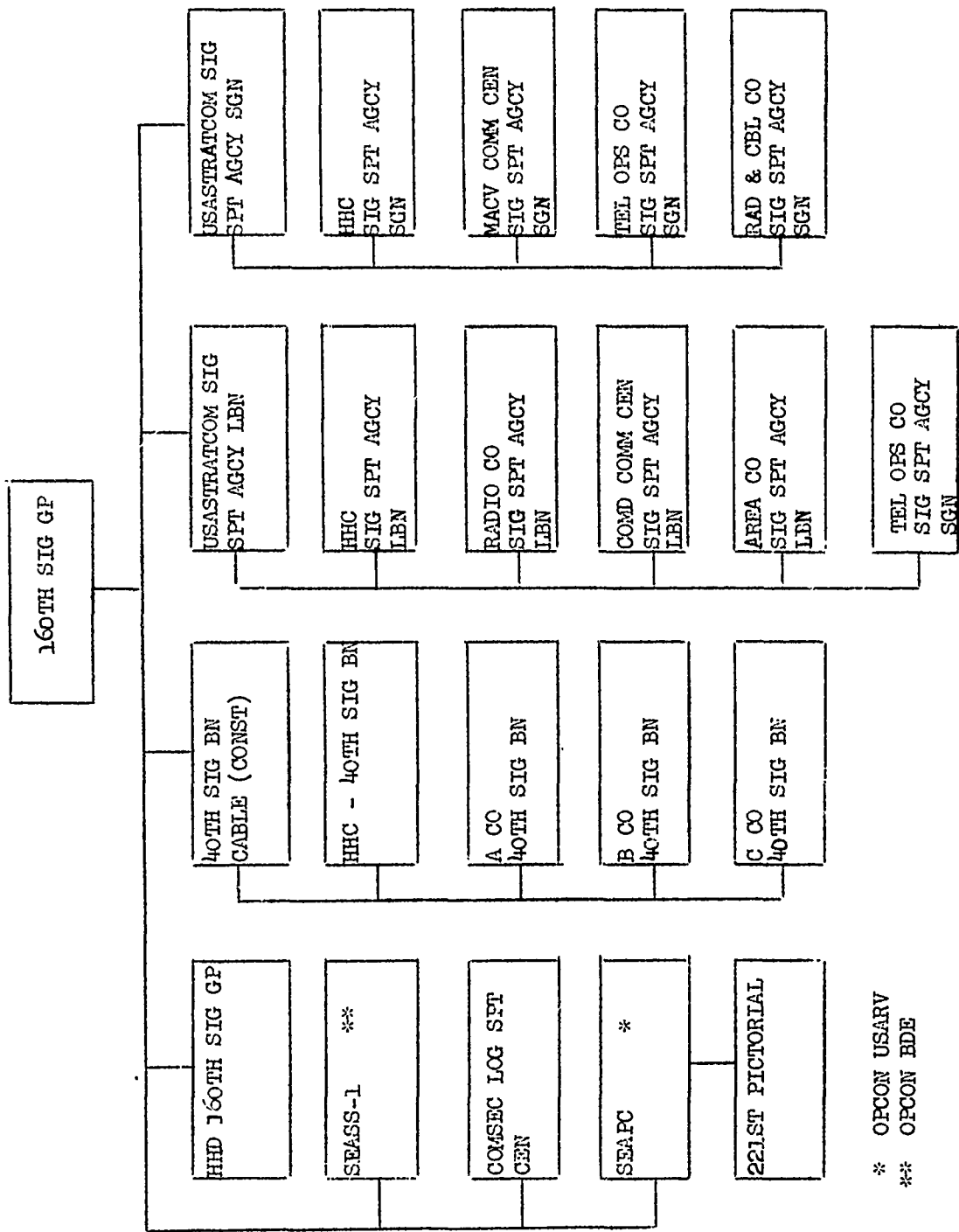
THRU: ~~Commanding General, U. S. Army Strategic Communications Command,~~ *per*
~~Fort Huachuca, Arizona 85613~~

TO: Assistant Chief of Staff for Force Development, Department of the
Army, Washington, D. C. 20310

This headquarters concurs in subject report as indorsed.

FOR THE COMMANDER IN CHIEF:

L. M. Ozaki LT AGC
L.M. OZAKI
CPT, AGC
Asst AG



* OPCON USARV
 *** OPCON BDE

Incl 1

UNCLASSIFIED

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