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AUTHORITY

AGO ltr 29 Apr 1980 ; AGO ltr 29 Apr 1980

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DEPARTMENT OF THE ARMY
OFFICE OF THE ADJUTANT GENERAL
WASHINGTON, D.C. 20310

12 26p.
11 15 Aug 74
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15 OHC&FOR

19
OT-UT-703265

19 March 1971

AGDA -A (M) (12 Mar 71)

SUBJECT: ~~Operational Report~~ (6) Lessons Learned, Headquarters, 222d Aviation Battalion ~~Ending 30 July 1970 (C)~~
(u)-(S)

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"THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18 U.S.C. SECTION 793 AND 794. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW."

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.

BY ORDER OF THE SECRETARY OF THE ARMY:

Verne L. Bowers

VERNE L. BOWERS
Major General, USA
Acting The Adjutant General

1 Incl
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DEPARTMENT OF THE ARMY
HEADQUARTERS, 222D AVIATION BATTALION (COMBAT)
APO San Francisco 96530

AVBACA-EC

15 August 1970

SUBJECT: Operational Report - Lessons Learned, 222d Aviation Battalion (Combat)
for Period Ending 31 July 1970 RCS CSFOR-65 (R2)(U)

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1. (C) Sectional Operations: Significant Activities

a. Mission: The mission of the battalion remained the same throughout the reporting period, that of providing combat and combat support with aviation assets to the United States and other Free World Forces in the Republic of Vietnam.

b. Organization: The organization of the Battalion remained the same throughout the reporting period. Several MTOE changes were received for assigned and attached units. These changes constituted only minor and insignificant equipment authorizations. (See Incl 1 for organization structure.)

c. Significant Personnel Changes:

(1) S-1, 222d Aviation Battalion (Combat)

Date: 1 June 1970

Outgoing: SKIDMORE, George A., CPT, 528-48-1642

Incoming: DULCAMARA, Peter B., CPT, 362-40-8177

(2) S-3, 222d Aviation Battalion (Combat)

Date: 1 April 1970

Outgoing: HUGHES, Douglas L., MAJ, 060-34-5111

Incoming: DOUTHITT, Thomas L., CPT, 509-48-5769

(3) S-3, 222d Aviation Battalion (Combat)

Date: 18 June 1970

Outgoing: DOUTHITT, Thomas L., CPT, 509-48-5769

Incoming: FERNANDEZ, Walter E., MAJ, 111-24-3803

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15 August 1970
Battalion (Combat)

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SUBJECT: Operational Report - Lessons Learned, 222d Aviation
for Period Ending 31 July 1970 RCS CSFOR-65 (R2)(U)

(4) S-4, 222d Aviation Battalion (Combat)

Date: 2 May 1970
Outgoing: NICKERSON, Charles E., CPT, 222-03-6116
Incoming: SNYDER, Richard L., CPT, 212-46-0340

(5) Aircraft Maintenance, 222d Aviation Battalion (Combat)

Date: 6 April 1970
Outgoing: WUJEK, Stanley J., CW3, 507-38-4460
Incoming: DAVIS, Joseph P., CPT, 429-76-9980

(6) CO, HHC, 222d Aviation Battalion (Combat)

Date: 22 July 1970
Outgoing: RIDEOUT, Franklyn E., CPT, 046-30-0259
Incoming: LEE, Stephen B., CPT, 454-70-7254

(7) CO, 117th Aviation Company (Aslt Hel)

Date: 9 June 1970
Outgoing: HUSTON, Richard J., MAJ, 279-26-8229
Incoming: FREEMAN, Bobby H., MAJ, 406-38-3446

(8) CO, 195th Aviation Company (Aslt Hel)

Date: 1 July 1970
Outgoing: TERRY, Thomas J., MAJ, 521-44-3765
Incoming: GASKINS, Philip W., MAJ, 267-50-0627

(9) CO, 273rd Aviation Company (Hvy Hel)

Date: 5 May 1970
Outgoing: SILVA, Warren R., MAJ, 019-26-2073
Incoming: BARTLETT, William, MAJ, 023-26-6595

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d. Unit Strength as of 31 July 1970:

(1) Military

<u>Subordinate Unit</u>	<u>Officer</u>		<u>Warrant</u>		<u>Enlisted</u>		<u>Total</u>	
	<u>Auth</u>	<u>Act</u>	<u>Auth</u>	<u>Act</u>	<u>Auth</u>	<u>Act</u>	<u>Auth</u>	<u>Act</u>
HHC	19	16	3	8	85	116	107	140
117th	19	19	51	44	218	188	288	251
195th	19	18	51	45	218	190	288	253
240th	19	20	51	43	218	188	288	251
273rd	21	6	22	15	172	159	215	180
93rd Med	1	1	0	0	7	5	8	6
772d Med	1	1	0	0	7	7	8	8
87th QM	0	0	0	0	8	7	8	7

(2) Civilians

<u>Subordinate Unit</u>	<u>DAC</u>		<u>VN</u>		<u>3d Nat'l</u>		<u>Tech Rep</u>	
	<u>Auth</u>	<u>Act</u>	<u>Auth</u>	<u>Act</u>	<u>Auth</u>	<u>Act</u>	<u>Auth</u>	<u>Act</u>
HHC	0	0	14	13	0	0	0	0
117th	0	0	17	17	0	0	0	0
195th	0	0	7	7	0	0	0	0
240th	0	0	2	2	0	0	0	0
273rd	1	1	0	0	0	0	2	0
93rd Med	0	0	2	2	0	0	0	0
772d Med	0	0	1	0	0	0	0	0

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e. Aircraft Status as of 31 July 1970: (See Incl 2)

f. Operational Results for the Period are Included in Incl 3.

g. Awards and Decorations: Awards recommended and received by individuals of this Battalion during 1 May 1970 and 31 July 1970 as indicated below.

<u>Award</u>	<u># Recommendations</u>	<u># Received</u>
Legion of Merit	2	0
Silver Star Medal	5	2
Soldiers Medal	1	0
Distinguished Flying Cross	58	46
Bronze Star "Valor"	3	3
Bronze Star Medal	118	107
Air Medal "Valor"	72	56
Basic Air Medal	184	172
Subsequent Awards to the Air Medal	193	103
Army Commendation Medal "Valor"	19	11
Army Commendation Medal	314	244
Purple Heart	18	28

h. Personnel Gains and Losses During the Period: The following reflects the personnel gains and losses experienced during the reporting period.

	<u>Gains</u>	<u>Losses</u>
Officers	42	39
Warrant Officers	48	64
Enlisted Men	286	273

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1. R & R Data: Quotas received and filled as indicated below:

<u>SITE</u>	<u>Quotas Received</u>	<u>Quotas Filled</u>	<u>Stand By</u>
Hawaii	73	56	1
Sydney	57	53	0
Tokyo	18	12	0
Hong Kong	25	18	0
Taipei	18	9	0
Manila	1	1	0
Bangkok	33	18	1

j. Casualty Information: Casualties experienced during the reporting period are as follows:

(1) Injured-Non Hostile	10
(2) Wounded in Action	16
(3) Killed-Non Hostile	0
(4) Killed in Action	4
(5) Missing in Action	0

*** HONOR ROLL ***

NETTLE, William L., SP/4, 549-58-5477, killed in action on 8 July 1970,
117th Aviation Company (Aslt Hel)

SPANGLER, John F., SP/4, 274-46-4929, killed in action on 8 July 1970,
117th Aviation Company (Aslt Hel)

THOMPSON, Donald B., WO1, 453-82-0300, killed in action on 8 July 1970,
117th Aviation Company (Aslt Hel)

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*** HONOR ROLL *** (cont'd)

HIGGINBOTHAM, Michael J., SP/4, 449-90-6785, killed in action on 8 June 1970,
195th Aviation Company (Aslt Hel)

k. Enemy Action Against Bearcat: The following is a synopsis of enemy action against Bearcat during the reporting period.

(1) On 281201 June 1970, Bearcat received ten (10) 107mm rockets impacting inside the perimeter. All rounds impacted in the Royal Thai Volunteer area. The attack lasted approximately five (5) minutes.

(2) On 281359 June 1970, Bearcat received two (2) 107mm rockets inside the perimeter. One (1) 107mm rocket impacted in close proximity to revetted helicopters of the 240th Aviation Company (Aslt Hel) causing moderate damage to one (1) UH-1C helicopter and minor damage to one (1) UH-1C helicopter. There were no U.S. personnel injured in the attack and there were no structures damaged in the Battalion Area. The attack lasted approximately one (1) minute.

l. Ammunition Expenditures: (See Incl 4)

m. Schooling (AARTS Courses): The following quotas were received and filled during the reporting period:

(1) Officers

(a) UH-1 IP School	11
(b) OH-58A Transition	1
(c) Aviation Accident Prevention	2
(d) POL and Armo Handlers	7

(2) Enlisted

(a) UH-1C Armament Course	11
(b) Tech Supply (PLL)	3
(c) POL and Armo Handlers	24

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n. Aviation Safety: Six (6) aircraft accidents occurred during the reporting period while flying 26,003 hours. This gave the battalion an accident rate of 23.2 per 100,000 hours which is a 8.0 per 100,000 hour increase over the last period.

(1) On 7 May 1970 a UH-1H was on climb out from a field position. At 400 feet AGL and 60 knots airspeed the engine failed. Aircraft Commander autorotated to an area which was on a 10° slope. The aircraft rolled on its right side and sustained major damage. Cause of engine failure was disintegration of the fourth stage compressor disc.

(2) On 20 May 1970 a UH-1H was on a night test flight for completion of a Periodic Inspection. During the N1 topping check an explosion was heard followed by a loss of power. Autorotation was made to rough terrain and the aircraft sustained major damage. Cause of this accident was failure of the fourth stage compressor disc.

(3) On 5 June 1970 a UH-1C attempted to take off from a field position where field elevation was 1300 feet, DA at +3200 feet and a full fuel load and full armament. RPM was lost during the take off and the aircraft crashed. Major damage was sustained to the entire aircraft. Cause: exceeding aircraft limitations for climatic conditions.

(4) On 16 June 1970 a UH-1C on a night mission experienced #1 hydraulics failure. A precautionary landing was initiated. On short final just prior to touchdown the tail rotor controls locked causing the aircraft to turn right then power was applied for touchdown. The aircraft touched down 30° to runway heading and slid into a ditch. Major damage was sustained to the entire aircraft. Cause of locked pedal condition is unknown.

(5) On 16 July 1970 a UH-1H was preparing for take-off from a hover when the aircraft rolled on its right side and sustained major damage to the entire aircraft. Cause was loss of cyclic control.

(6) On 22 July 1970 a UH-1C was performing a night rocket run on a suspected enemy position. Engine failed while on right break. Autorotation was made to an open rice paddy. On touchdown the skids hit a rice dike causing the aircraft to land extremely hard on the heels of the skids. Major damage was incurred to the skids, cross tubes and tail boom. Cause of engine failure was disintegration of the fourth stage compressor disc.

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o. Chaplain's Activities: Opportunities for troops to worship and for troops to come in contact with the chaplain and religious activities continue to be emphasized this quarter. There were 206 Catholic and Protestant opportunities for worship and 1413 visits to troop areas as well as 23 visits to the hospitals and stockade.

(1) Men took advantage of counseling services 209 times during the period.

(2) As required, all replacement and rotating enlisted personnel are oriented and interviewed by the chaplain.

(3) Lay Protestant study groups in the Bearcat, Long Than and Long Binh areas continue to be a firm foundation for the spiritual life of the men who attend.

(4) The use of religious films by the laymen in the company areas continue to draw interest of the men.

(5) Character Guidance classes are presented by the chaplain. Attendance remains above 90% present for duty strength.

(6) Memorial services were conducted for the 195th and 117th Aviation Companies (Aslt Hel).

(7) Continuing to assist the education program after helping to establish the Education Center in Bearcat, the chaplain introduced 3 men to the University of Maryland extension resident program and is recruiting men interested in the high school GED program.

p. The Public Information Office: The Public Information Office continued to provide the required news and photo coverage of awards and decorations, safety, special events, civic affairs activities, and combat actions. Both local and national news media were used in publicizing the battalion activities during the last reporting period. The May-July period produced 199 hometown releases as compared with 317 for the previous period. The decline is attributed to the fact that releases are no longer acceptable for new arrivals in RVN. Approximately 10 news releases and feature stories were released by the Battalion Information Office to 12th Aviation Group and 1st Aviation Brigade and several were published in papers in Vietnam and the United States. Approximately 1,000 photographs, including awards and decorations, promotions, changes of command, accident safety and normal news photos were produced during the period.

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q. Operations:

(1) General: Daily support of operations was continued by this Battalion during the reporting period. The Battalion supported combat assault, direct support and other than combat support type missions. Missions included airlift of men, equipment, supplies, vehicular airlift, administrative, command and control, artillery weapons and engineer equipment displacement. Night support was provided by Night Hawk type missions and was utilized for night route, zone, and area reconnaissance and surveillance, PZ lighting for dust-off operations and for close-in fire support of troops in contact. The Battalion Mission Profile remained at 36 UH-1H helicopters and 12 UH-1C gunships. The daily commitment of three (3) CH-54A helicopters for support of III and IV Military Regions remained as such throughout the reporting period, except during the Cambodian Operation, wherein the daily commitment was ten (10).

(2) Thai Aviators: Under the provisions of the Memorandum of Understanding between the Commanding General, Royal Thai Forces, Vietnam, and the Commanding General, 1st Aviation Brigade, the Battalion checked out six (6) Thai aviators in the UH-1C helicopter gunship. Ground school was three (3) days in duration and flight instruction consisted of twenty-two hours and thirty minutes (22+30). Of the total flight time involved, each aviator received twenty (20) combat hours, participating in combat assault missions with the 240th and 195th Aviation Companies (Aslt Hel).

(3) Thai Armorers: During the reporting period, the Battalion assumed the mission of training six (6) Thai enlisted men and officers as Aircraft Armament Repairmen. The classes were one (1) week in duration of which three (3) days were utilized as an on-the-job-training period. The OJT period was spent with the armorers of the 240th Aviation Company (Aslt Hel). The former training of the selected artificers greatly enhanced the instruction presented and led to easier comprehension of the inherent faults on the armament subsystems.

2. (C) SECTION 2-LESSONS LEARNED: COMMANDER'S OBSERVATIONS, EVALUATIONS, AND RECOMMENDATIONS:

a. Personnel:

(1) Avionics Trained Personnel:

(a) OBSERVATION: This headquarters has none and is not authorized avionics trained personnel. Presently staff supervision is solely the responsibility of the Battalion Signal Officer, a slot that requires a rated aviator.

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(b) EVALUATION: This headquarters does not have the capability of providing adequate staff supervision and assistance to its avionics facilities due to the fact that none of the personnel assigned to the Battalion Signal Section have an avionics background. A full-time avionics staff member is needed to oversee the utilization of avionics assets, shop supervision, maintenance procedures and provide assistance and recommendations of avionics problems from battalion level.

(c) RECOMMENDATION: Recommend that MTOE/TOE changes be effected to authorize a 35P40 to the Battalion Signal Section and/or a Warrant Officer MOS 286A for duty as Assistant Signal Officer.

(d) COMMAND ACTION: On-the-job-training is in effect at this headquarters but is considered inadequate for doing the job properly.

(2) S-5 Staff

(a) OBSERVATION: An authorized Civic Action Staff is required at Battalion level.

(b) EVALUATION: The success of Civic Action Programs is a proven operation. Through these programs, we can help the people of Vietnam help themselves and enhance relations between the United States and the Republic of Vietnam. Because of a shortage of Civil Affairs Companies, a Civic Actions Staff should be authorized at Battalion level. This staff should consist of one (1) Officer, three (3) Enlisted men and one (1) interpreter.

(c) RECOMMENDATION: That a change to the present MTOE be made to include: one (1) S-5 Officer, one (1) Non-commissioned Officer, two (2) Enlisted Men and one (1) interpreter.

(d) COMMAND ACTION: Request for change in the MTOE has been submitted.

b. Intelligence:

(1) OBSERVATION: This headquarters is authorized separate teletype assets which are components from vans and are presently dismantled AN/VSC-2 assemblages, operating as fixed communications, which do not meet the prerequisites of DA CIR 300-175-1, Defense Communications Agency Red/Black criteria.

(2) EVALUATION: Dismounted communication assemblages are generally utilized without the use of the power filters that are inherent in most assemblages. When this teletype equipment is operated without the necessary filters they produce tempest violations which are not conducive to communications security.

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(3) RECOMMENDATION: That the Army develop a tactical power filter which would become part of each teletype keying device or that a tactical filter be developed for issue to prevent tempest hazards on tactical teletype equipment.

(4) COMMAND ACTION: This headquarters is in the process of locating enough filters to put on its dismantled equipment. This communication problem has been referred to higher headquarters.

c. Operations:

(1) Failure of FM Set AN/ARC-54

(a) OBSERVATION: This command has experienced numerous operational failures of the airborne FM Set AN/ARC-54.

(b) EVALUATION: Failures of the AN/ARC-54 airborne FM seem to be a result of weak or inoperative tubes in the power amplifier module. Power amplifier module failure is primarily due to aviators and observers not allowing the radio sufficient warm-up time before keying the set.

(c) RECOMMENDATION: That circuitry be added to this assemblage to prevent keying of the set until all components have reached safe, normal operating temperature.

(d) COMMAND ACTION: This headquarters has submitted an EIR on the equipment. In addition, subordinate units have been directed to allow all aircraft radios a two (2) minute warm-up period, prior to effecting transmissions.

(2) Duplication of Civil Action Efforts:

(a) OBSERVATION: That units assigned to different battalions are participating in civic action projects in near proximity to one another.

(b) EVALUATION: U.S. units are adopting civic action projects without knowledge of other units adopting the same projects. This poses a problem, in that units are duplicating support to orphanages and the end result is excessive support for one institution and neglect for others. A lack of proper coordination could prevent this error.

(c) RECOMMENDATION: That units participating in civic action projects effect proper coordination with the local District Senior Advisor, certifying

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that a project under consideration will not be duplication of effort.

(d) COMMAND ACTION: Directives from this headquarters have been published to ascertain that a need does exist before a unit assumes a civic action project. Further checks are made during staff assistance visits to insure that units are effecting proper coordination.

(3) Procurement and Handling of Potable Water

(a) OBSERVATION: The procurement and handling of potable water for the operation of the consolidated mess and for providing adequate water to maintain a high standard of sanitation and personal hygiene.

(b) EVALUATION: Headquarters and Headquarters Company is authorized one (1) 400 gallon water trailer, which is not on hand. Pacific Architects and Engineers have been awarded a contract to supply an adequate amount of water to the elements of this unit located at Camp Martin Cox, but are unable to meet the requirement due to lack of equipment.

(c) RECOMMENDATION: That Headquarters and Headquarters Company TO&E be modified to include two (2) tank trucks so that the unit can be self supporting in the event of a unit movement or deployment.

(d) COMMAND ACTION: The unit has hand-receipted two (2) POL tankers from a sister unit and converted them to potable water tankers. A unit TO&E modification is being submitted.

(4) Minimum Safe Clearances

(a) OBSERVATION: The Nha Be Naval facility was constructed with less than minimum safe clearances for operation of UH-1 aircraft.

(b) EVALUATION: Aircraft parked in POL on the transient pads and in the revetments have at the maximum, one half a rotor disc clearance from other aircraft.

(c) RECOMMENDATION: That instead of having three (3) POL points located close together, eliminate one (1) point and have two (2) refuel points with adequate clearance. Reduce the number of transient pads and revetments to allow sufficient clearance between aircraft.

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(d) COMMAND ACTION: The existing dangers and above recommendations have been brought to the attention of the naval personnel at Nha Be Naval facility. Aviators of this unit have been instructed to use every other revetment for parking, and exercise extreme caution during refueling operations.

(5) Utilization of KAL 55B:

(a) OBSERVATION: This command is utilizing the KAL 55B, Aviators KAC wheel. The wheel itself is an immeasurable asset for aviation supported operations. However, there are too many sundry codes in use and not enough wheels are available for issue on a one per aircraft basis.

(b) EVALUATION: The KAL 55B aviators wheel is a definite asset in working with units which do not have secure voice capabilities. However, each Regiment, Brigade or Group size unit publishes its own code and aviators are sometimes saddled with carrying 3 or 4 codes to accomplish adequate coordination. Also these wheels are in very short supply and full utilization cannot be realized.

(c) RECOMMENDATION: Recommend that only four (4) codes be authorized for the KAL 55B, Vietnam-wide, on a one per Military Region Basis. This will reduce the number of codes the aviator has to carry and allow him to encrypt coordinates, frequencies, etc for any supported unit in a Military Region.

(d) COMMAND ACTION: This command has referred this problem to higher headquarters.



CLEMENT A. WYLLIE

LTC, TC
Commanding

5 Incl

- (1) Organization
 - (2) Aircraft Status
 - (3) Operational Statistics
 - (4) Ammunition Expenditures
 - (5) Reenlistment Statistics
- for Period

DISTRIBUTION

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- 2 Commanding General, 1st Aviation Brigade, ATTN: AVBAGC-O, APO 96384
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SUBJECT: Operational Report-Lessons Learned, 222d Aviation Battalion
(Combat) for the Period Ending 31 July 1970 RCS CSFOR-65 (R2) (U)

DA, HEADQUARTERS, 12TH AVIATION GROUP (COMBAT), APO 96266 2 Sep 70

THRU: Commanding General, II Field Force Vietnam, APO 96266

Commanding General, 1st Aviation Brigade, ATTN: AVBA-C, APO 96384

Commanding General, US Army Vietnam, ATTN: AVHGC-(DST), APO 96375

Commander-in-Chief, US Army Pacific, ATTN: GPOP-DT, APO 96558

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

1. (U) This headquarters has reviewed and concurs with the Operational Report-Lessons Learned for the period ending 31 July 1970 from Headquarters, 222d Aviation Battalion (Combat).

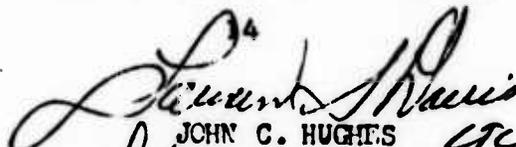
2. (C) The following additional comments are provided:

a. Reference: page 10, para 2a(1), page 11, para 2a(2), and page 12, para 2c(3), all battalion headquarters within 12th Aviation Group (Combat) are organized under the same TOE. USARV is requiring all 12th Group units to submit detailed MTOE's with recommended changes during the present reporting period. Without accompanying tradeoff positions and/or substantial justification, additional TOE slots will be disapproved. The unit will be requested to submit requested recommended personnel and equipment changes which will be considered for submission with MTOE.

b. Reference: page 11, para 2c(2), "Duplication of Civic Action Efforts". Coordination has been effected between the 222d Avn Bn (Cbt) and the 210th Avn Bn (Cbt) to eliminate the duplicated effort.

c. Reference: page 10, para 2b, Intelligence. The AM/VSC-2 is tactical communications equipment whether mounted or dismounted and as such is not required to meet red/black criteria as described in DA Cir 300-175-1. The power filter required for the AM/VSC-2 is not available in country for issue. A red/black survey and assistance in lowering the tempest hazards has been requested from the 3d Platoon, 101st Radio Research Company.

d. Reference: page 13, para 2c(5), "Utilization of Kal 55B". 12th Avn Gp (Cbt) has requested universal KAC wheels which will be common to all units. Arrival of these items is expected in early September.


JOHN C. HUGHES LTC
Colonel, Infantry
Commanding

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AVFBC-RE (15 Aug 70) 2nd Ind

SUBJECT: Operational Report - Lessons Learned of 222nd Aviation Battalion
(Combat) for Period Ending 31 July 1970 RCS CSFOR-65 (R2) (U)

DA, HQ, II Field Force Vietnam, APO San Francisco 96266 14 SEP 1970

THRU: Commanding General, 1st Aviation Brigade, ATTN: AVBA-C APO 96384

Commanding General, US Army Vietnam, ATTN: AVHOC-DST, APO 96375

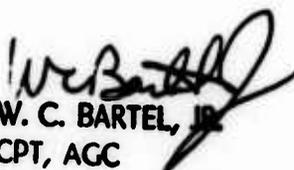
Commander-In-Chief, US Army Pacific, ATTN: GPOP-DT, APO 96538

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

1. (U) This headquarters has reviewed the Operational Report - Lessons Learned for the quarterly period ending 31 July 1970 from the 222d Aviation Battalion (Combat) and concurs with the comments of the indorsing headquarters.

2. (C) Comments follow: Reference item concerning "Utilization of KAL 55B", page 13, paragraph 2c(5). The recommendation is reasonable, but not administratively practical. Experience indicates that frequency of compromise versus time necessary to afford replacement issue to so many holders negates the obvious convenience of limiting editions to four. Further, single edition for such a large number of holders would reduce security by multiplying daily encryptions beyond rated capacity of system.

FOR THE COMMANDER:


W. C. BARTEL, JR.
CPT, AGC
Asst AG

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AVBAGC-0 (15 Aug 70) 3d Ind
SUBJECT: Operational Report - Lessons Learned, 222d Aviation Battalion (Combat),
for Period Ending 31 July 1970, RCS CSFOR-65 (R2) (U)

DA, HEADQUARTERS, 1ST AVIATION BRIGADE, APO 96334 16 SEP 1970

TO: Commanding General, United States Army Vietnam, ATTN: AVHCC-DST, APO 96375

1. This headquarters has reviewed subject report and concurs with the contents as indorsed.
2. The following additional comment is considered pertinent: Paragraph 2c(4), page 12, refers to the lack of minimum safe clearances for UH-1 helicopters at the Nha Be Naval facility, RVN, PCL refueling points. Concur. This headquarters has requested that USARV Aviation Safety investigate the facts and circumstances surrounding helicopter operations at this facility.

FOR THE COMMANDER:


WARREN A. PETERSON
CPT, AGC
ASST AG

AVHDO-DO (15 Aug 70) 4th Ind

SUBJECT: Operational Report-Lessons Learned, 222d Aviation Battalion
(Combat) for Period Ending 31 July 1970 RCS CSFOR-65 (R2)(U)

Headquarters, United States Army Vietnam, APO San Francisco 96375 4 DEC 1970

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

1. This Headquarters has reviewed the Operational Report-Lessons Learned for the quarterly period ending 31 July 1970 from Headquarters, 222d Aviation Battalion (Combat) and comments of indorsing headquarters.

2. Comments follow:

a. Reference item concerning "Avionics Trained Personnel," page 9, paragraph 2a(1). Unit should submit MTOE/TOE change in accordance with AR 310-31 or AR 310-49. Unit has been so advised.

b. Reference item concerning "S-5 Staff," page 10, paragraph 2a(2). The recommendation that an S-5 staff be authorized at a battalion level does not appear to have adequate justification to warrant approval. Should the unit decide to submit a MTOE change it must include complete justification in accordance with AR 310-49 and provide suitable trade-off spaces as strength increases cannot be supported by USARV. Unit has been so advised.

c. Reference item concerning "Intelligence," page 10, paragraph 2b, 1st Indorsement, paragraph 2c: nonconcur. The principles of DA Circular 300-175-1 are applicable to dismounted communications assemblages even though all RED/BLACK standards outlined therein cannot be fully met. Since no other document is published to provide RED/BLACK criteria for tactical assemblages, the principles set forth in DA Circular 300-175-1, together with sound judgement of technically qualified inspectors, are the only means of minimizing the TEMPEST hazards. Unit has been so advised.

d. Reference item concerning "Failure of FM Set AN/ARC-54," page 11, paragraph 2c(1). The AN/ARC-54 is now standard B. The problem can be corrected through education of flight crews to allow sets to warm-up before transmitting. The two minute warm-up period directed in Command Action is considered adequate. Unit has been so advised.

e. Reference item concerning "Procurement and Handling of Potable Water," page 12, paragraph 2c(3). The recommendation appears appropriate. Unit should take action in accordance with AR 310-31. Unit has been so advised.

AVHDO-DO (15 Aug 70) 4th Ind

SUBJECT: Operational Report - Lessons Learned, 222d Aviation Battalion
(Combat) for Period Ending 31 July 1970 RCS CSFOR-65 (R2)(U)

f. Reference item concerning "Minimum Safe Clearances," page 12, paragraph 2c(4). USARV Aviation has contacted the Facility Safety Officer at Nha Be. The spacing between POL refuel points will be extended to the minimum safe distance required and PSP surfaces will be painted with non-skid paint. This Headquarters will be advised when the above actions have been completed. Unit has been so advised.

g. Reference item concerning "Utilization of KAL 55B," page 13, paragraph 2c(5). This Headquarters is taking action to reduce the number of different KAC-800 series codes in use by Army units. On 21 September 1970, a message was dispatched to major subordinate commands addressing the problem of excessive KAC-800 series code systems. Responses from units are favorable and a significant reduction of systems is anticipated. This will not affect the systems held by separate brigades, divisions, and field forces. Unit has been so advised.

FOR THE COMMANDER:



Clark W. Stevens Jr.

Captain AGC

Assistant Adjutant General

Cy furn:
1st Avn Bde
222d Avn Bn

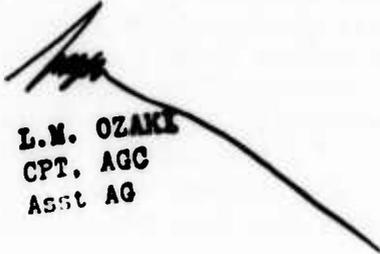
GPOP-DT (15 Aug 70) 5th Ind (U)
SUBJECT: Operational Report of HQ, 222d Aviation Battalion (Cbt) for
Period Ending 31 July 1970, RCS CSFOR-65 (R2)

HQ, US Army, Pacific, APO San Francisco 96558 4 JAN 1971

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
CPT. AGC
ASST AG

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AVBACA-EC

15 August 1970

SUBJECT: Operational Report - Lessons Learned, 222 Aviation Battalion (Combat)
for Period Ending 31 July 1970 RCS CSFOR-65 (R2)(U)

ORGANIZATION

222D AVIATION BATTALION (COMBAT)

Headquarters Company, 222d Aviation Battalion (Combat)

87th Quartermaster Detachment

315th Aviation Detachment (Divisional)

772d Medical Detachment (OA)

117th Aviation Company (Aslt Hel)

195th Aviation Company (Aslt Hel)

93d Medical Detachment (OA)

240th Aviation Company (Aslt Hel)

273rd Assault Support Helicopter Company (ASHC) (Hvy)

Incl 1

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INCL 2 to 222D AVIATION BATTALION (COMBAT) ORLL dtd 15 AUG 1970

222D AVIATION BATTALION (COMBAT) AIRCRAFT STATUS

15 AUG 1970

	UH-1C		UH-1D/H		CH-54A		OH-58A	
	<u>Auth</u>	<u>Asgd</u>	<u>Auth</u>	<u>Asgd</u>	<u>Auth</u>	<u>Asgd</u>	<u>Auth</u>	<u>Asgd</u>
HHC, 222d Avn Bn (Cbt)	0	0	1	1	0	0	4	3
117th Avn Co (Aslt Hel)	8	4	22	22	0	0	0	0
195th Avn Co (Aslt Hel)	8	6	22	20	0	0	0	0
240th Avn Co (Aslt Hel)	8	5	22	25	0	0	0	0
273rd Avn Co (Hvy Hel)	0	0	0	0	14	11	1	1

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INCL 3 to 222d Aviation Battalion (Combat) ORLL dtd 15 Aug 1970

Subordinate Units	Sorties Flown	Troops Lifted	Cargo Tons Lifted	Enemy KBA	Structures DAM/DEST	Sampans DAM/DEST	Acft Loss	Acft DAM
HHC	559	567						
117th Avn Co	21382	24984	164	9	27/32	1/38	2*3**	14*4**
195th Avn Co	22820	27511	125	1	32/23	0/0	2*2**	10*5**
240th Avn Co	30525	48813	9	58	19/62	7/30	1*1**	12*1*
273rd Avn Co	3138	0	9184				1***	4***

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*UH-1H
 **UH-1C
 ***CH-54A

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INCL 4 to 222D AVIATION BATTALION (COMBAT) ORLL dtd 15 Aug 1970

AMMUNITION EXPENDITURES FOR PERIOD 1 MAY to 31 JULY 1970

	<u>7.62</u>	<u>5.56</u>	<u>40mm</u>	<u>2.75 RKT</u>	<u>50Cal</u>
117th	225,000 rds	0	0	1,200 rds	10,800 rds
195th	106,500 rds	5,880 rds	84 rds	1,696 rds	
240th	697,000 rds	5,656 rds	0	6,291 rds	600 rds
273rd	0	0	0	0	0

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INCL 5 to 222D AVIATION BATTALION (COMBAT) ORLL dtd 15 Aug 1970

1 MAY--31 JULY 1970

Unit	RA & AUS ELIG	RA & AUS REEN	%	RA-Career ELIG	RA-Career REEN	%	NR/ER	TOTAL REEN
117th	11	0	0	1	1	100	.	1
195th	8	0	0	1	1	100	.	1
240th	8	0	0	0	0	0	S	0
273rd	12	1	8.3	0	0	0	A	1
HHC	10	1	10.0	1	1	100	M	2
222D AVN BN	49	2	4.9	3	3	100	E	5

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