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ACTIV-AM Monthly Test Report Number 2 -- 1:ohawk (C)

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LIST OF ANNEXES (U)
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- 1. ANNEX & Objective 1 (Area surveillance).
- 2. AINEX B -- Objective 2 (Suitability of Mohawk for surveillance).
- 3. AUNEX C --- Objective 3 (Activities detected visually and by photographs).
- 4. ANNEX D -- Objective 4 (Doctrine, procedures, tactics, and techniques).
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- 10. ANNEX J -- Photographs of Viet Cong (VC) activity.
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- 12. ANNEX L -- Precis of Qui Nhon flight detachment reports (Full reports in supplement).
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31 December 1962

SUBJECT: Monthly Test Report Number 2 - Employment of OV-1 (Mohawk) Aircraft in Counter-Insurgency Operations (16 November - 15 December 1962)(C)

TO: Seu Annex O

1. (C) <u>General</u>.

a. References:

(1) USALCV letter of 29 September 1962, Subject: "Test Plan, .0-1 (Mohawk) ..ircraft for Province/Sector Surveillance in Support of Counter-Insurgency Operations (C)."

(2) USMLCV Lessage, J3 4213, subject: "Operational Duployment of the 23d Special Warfare ..viation Detachment (Surveillance)"

(3) D. letter of 6 November 1962, .G.J.-P(1) 381 (31 Oct 62) DCSOPS, Subject: ".r.y Troop Test Program in Vietnam (U)."

(4) Monthly Test Report Number 1, Amay Concept Team in Vietnam, Subject: "Maployment of OV-1 (Ashawk) Aircraft in Support of Counter-Insurgency Operations", dated 30 November 1962.

b. Purpose of the test:

To test and evaluate the 23d Special Marfare Aviation Detachment (Surveillance) (23d SMAD) under field combat conditions to determine the adequacy and suitability of organisation, equipment, missions, doctrine, tactics, procedures, and techniques for conducting counter-insurgency operations.

c. Test concept:

(1) Field tests are being conducted in South Vietness (SVN) to support actual counter-insurgency operations as specified by COMUSILOV. During the entire test puriod the test unit has been in support of II ARVN (Army of Viotnas) Corps. II Corps has requested the test unit to provide direct support to the following units, in the priority listed:

- (a) 9th Division, Jui Mhon
- (b) 47th Regiment, Tuy Hoa
- (c) acilway Security .gency, II Zone

(2) The test unit performs missions in response to daily mission requests submitted by the supported units. The test Project Officer renders opinions on the type missions flown in support of maximum units to insure widest possible coverage of test objectives. Tost requirements are subordinated to current operational needs.

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(3) Within the limitations imposed by its Rules of Employment (see reference la(4)), the test unit's activities reflect accurately the dayto-day observation and surveillance missions decard most important by the supported units.

2. (C) Test Progress.

a. The test is considered to be approximately 40% complete. Several months will be required to verify and validate data obtained to date and to pursue developmental testing.

b. A summary of significant statistical data follows:

	<u>16-31 Oc</u>	t 1-15 Nov	16-30 Nov	<u>1-15 Dec</u>	Tutal
Number of combat support missio	ns 21	66	67	95	249
Photo	13	31	n	17	72
Cbservation	3	7	28	34	72
Reilroad reconnaissance	5	26	19	25	75
Night illumination	0	. 2	0	3	5
Leaflet drug	0	0	2	3	5
Convy observation	0	0	6	1	7
Helicopter observation	0	0	9	12	21
Nubur of photographic "rints delivered	1200	4500	1430	1700	8830
Number of times artillary ad- justed	0	3	ο	7	10
Waber of circraft hit by ground fire	0	1	٥	1	2
Number of hits	0	2	0	2	4
Number of times hostile ground fire directed at aircraft ob- served by crew	0	3	2	2	7
Number of times hostile fire on circraft reported by ground units in addition to above	0	2	٥	ა	2
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16-31 Oct 1-15 Nov 16-30 Nov 1-15 Dec Total

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Number of times defensive fire delivered	0	3	2	2	7
Average number aircraft in workin fleet(assigned minus EDP&crash)	⁸ 5.5	5	5	5	
iverage number of aircraft twnilable daily	3.2	4.1	4.6	4.6	
Percent of working fleet available	585	82%	92\$	925	
Total flight hours during period	115	222	16 1	222	720
nverage daily flight hours by unit	7.2	14.8	10.8	14.8	
Hours per aircraft in working fleet (montaly rate)	42	88	64	88	

3. (U) <u>Content and format of report.</u>

a. Content: huch material published in Monthly Report Number 1 (reference 1a(3) will not be repeated here. These monthly reports are intended to indicate progress and to provide for an orderly collection of data to be included in the final test report. Both monthly reports should be consulted for full knowledge of test activities to date.

b. Format: "Innexes a through G cover the seven test objectives. Minnex H contains II Corps advisor's evaluation reports. "Innexes I and J contain maps and , notographs. "Innexes K through N give an indication of material covered at length in a supplement to this report. "Inducesses having an interest in further dutails will be furnished copies of the supplement on request.

E. L. ROLNY Hajor General, W. Chief

15 Incl List on following page

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Nonthly Test Report Number 2 -- Mohawk

ANNEX A -- Objective 1 (Area surveillance)

1. (C) Objective.

"To determine the results obtained by providing continuous surveillance to a limited area; i.e., reduction in VC incidents, restrictions to VC movement, increase of RVNAF (Republic of Vietnam Armed Forces) response and effectiveness."

2. (C) <u>Discussion</u>.

a. Area A -- <u>Binh Dinh Province</u>. The first-priority task as ignment of the 23d SWAD has been to support the 9th Division. The tactical boundaries of this division coincide with the boundaries of Binh Dinh Province. From 16 October to 23 November, observation and surveillance support for the 9th Division were furnished by Nohacks operating from the unit's base at Mha Trang. To increase responsiveness to the province surveillance requirement, a flight team of two aircraft and 16 personnel has been stationed since 23 November with the 9th Division command post at Qui Nhon.

b. Area B -- <u>Trans-Vietnam Railway. II Zone.</u> Since 30 November, a minimum of two Mohawks has been scheduled daily to make low-level (50-300 feet) reconnaissance flights over the coastal railway track in the II Zone. These flights are varied with respect to time and direction so as to present an irregular pattern to VC observation. Their purpose is to examine the condition of the tracks (for obstructions, loose or removed rails, and other acts of sabotage), to detect VC units or individuals close to the tracks, and to reduce the frequency and scale of VC incidents.

3. (6) Findings.

a. One-hundred and forty-five suspected WL targets have been located in Binh Dinh Province by interpretation of photography taken from Mohawk aircraft. (Annex H, Letter H-2)

b. Visual reconnaissance has been effective in sighting new units; locating and confirming suspected units; locating personnel, animals, obstacles, structures, and cultivated areas; and detecting changes in patterns of VC activity. (Annex H, Letter H-1 Annex L)

c. Helicopters and ground vehicles are not likely to be fired upon when observation of ground or air columns is provided by Mohawk aircraft. (Annex H, Letter H-1)

d. The tactical effectiveness of the bohawk would be greatly increased if restrictions on the employment of weapons were removed. (Armax H, Letter H-1)

ANNEX A

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Honthly Test Report Number 2 -- Kohrwk

ANNEX A (continued)

e. Repetitive surveillance of an area by the same Mohawk develops crew familiarity with locations of RVN/F and civil communities; this knowledge enables the crew to locate and receptablish communications with units that are out of contact with their parent hordquarters and to recognize changes in terrain and in patterns of civilian activity. (Annex H, Letter H-1)

f. D,ily low-level reirord reconnaissance flights by Mohawks have contributed to a decrease in the magnitude of railway incidents in relation to vulnerability of passengers and freight. Enoug activity against the railway has virtually consed since the Mohawks began railrood reconnaissance flights in raid October. (Annex K)

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Monthly Test Report Number 2 -- Mohawk

ANNEX B -- Objective 2 (Suitability of Mohawk for Surveillance)

1. (C) <u>Objective</u>.

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"To determine the suitability and feasibility of OV-1 aircraft for tactical area surveillance."

2. (C) <u>Discussion</u>.

Konthly Test Report Number 1 included a listing of major characteristics of the aircraft which particularly suit it to observation and surveillance missions in support of counter-insurgency operations; no other aircraft now operating in SVN incorporates so many desirable characteristics.

3. (C) <u>Pindings</u>.

a. Missions of the following types have been executed successfully thus far: (1) visual surveillance; (2) visual reconnaissance of landing zones; (3) route reconnaissance; (4) day photography; (5) night photography; (6) night illumination by flare drop; (7) visual and photographic damage assessment; (8) railroad reconnaissance; (9) observation for ground convoys; (10) observation for helicopter operations; (11) radio relay; (12) weather reconnaissance; (13) adjustment of artillery fire; (14) leaflet drop; (15) delivery of defensive fires

b. The capability of the unit to achieve surprise has received specific comment. (Annex H, Letter H-1)

c. The full capability of the Mohawk as an armed surveillance system is not being used. (Annex H, Letter H-1)

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ANNEX B

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ACTIV-AM Monthly Test Report Number 2 -- Mohank

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ANNEX C -- Objective 3 (Activities detected visually and by photographs)

1. (C) Objective.

"To determine the nature of insurgent activities which can be detected by visual and photographic means."

2. (C) Discussion.

Visual reconnaissance and reporting of results is accomplished largely by ARVN observers assigned to Mohawks. The language difficulty precludes full collection, in English, of data transmitted in Vietnamese by these observers. Debriefing forms prepared by US aviators provide a limited amount of data on visual reconnaissance.

3. (^) Findings.

a. A wide variety of insurgent activities can be detected by photographic means. (Annex H, Letter H-2; Annex J)

b. Many types of insurgent activity can be detected visually. (Underlined portions of Annexes L and M)

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Monthly Test Report Number 2 --- Hohawk

ANNEX D -- Objective 4 (Doctrine, procedures, tactics and techniques)

1. (C) Objective.

"To determine the adequacy and validity of current US Army doctrine, procedures, tactics, and techniques for employment of OV-1 type aircraft in a tactical area surveillance role and to further develop doctrine, procedure, tactics, and techniques for counter-insurgency type operations."

2. (C) <u>Discussion</u>.

a. Army doctrine pertaining to command and control procedures for Army aviation follows:

(1) Army aviation units are commanded and controlled through a normal chain of command.

(2) Aircraft are assigned to the lowest level at which they habitually are required.

(3) The commander of each Army tactical unit, (company, battalion, brigade, division, corps, or field army) is responsible for coordination of maneuver and support elements — these include fire support by artillery, support by USAF, and support by Army aviation. This coordinating responsibility is exercised through a tactical operations element or a fire support coordination element, depending upon the size and structure of the unit.

b. Applic_tion of Army doctrine to the test situation:

(1) As the priority task of the 23d SWAD is to support the 9th Division at Qui Nhon, a flight team consisting of two Mohawks and sixteen personnel has operated from Qui Nhon since 23 November 1962. The purpose of this team is to provide increased responsiveness to observation and surveillance requirements in Binh Dinh Province, to establish rapport with the supported unit, and to eliminate much forry-type flying between Nha Trang and Qui Nhon.

(2) Mission requests are coordinated by the 9th Division FSCC and given directly to the flight team leader for amecution. Briafing of ARVN observers, when required, is conducted by ARVN personnel in the 9th Division headquarters. US avietors usually are briefed by US Advisors.

c. Analysis of the operation of the detached team:

(1) Responsiveness is determined by the speed and accuracy of mission performance. Reaction time of the 23d SWAD is minimized for the following reasons:

(a) The request channel is direct -- one telephone call between the FSCC and the Mohawk team triggers the action.

ANNEX D

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ANNEX D

Monthly Test Report Number 2 -- Mohawk

ANNEX D (Continued)

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(b) Mission briefings are concise because the flight team aviators live with the tactical situation on a day-to-day basis, and as combatarms officers, are familiar with the requirements and terminology of ground combat.

(c) With a dash speed of 250 knots, the Mohawk can proceed quickly to the target area. The aviators have detailed knowledge of terrain and associated place names; frequently they can dispense with time-consuming reference to map coordinates.

(2) Dutailed knowledge of terrain, resulting from constant operations in the same area, gives Mohawk aviators the ability to locate targets accurately with minimum difficulty.

3. (C) Finding.

Location of a Hohawk flight team at Qui Nhon is in accordance with Army doctrine and has resulted in minimum response time and maximum effectiveness. (Annex H, Letter H-1)

Page 2 ANNEX D

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Page 2 ANNEX D Monthly Test Report Number 2 --- Nohcade

ANNEX E -- Objective 5 (Adequacy of equipment and personnol)

1. (C) <u>Objective</u>.

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"To detormine the adoquicy of equipment and pursonnel to support tactical area surveillance operations."

2. (C) <u>Discussion</u>.

... The photo processing capability of the unit is inadequate. Contributing factors are:

(1) The division of the unit into widely separated elements. Each element needs a photo processing capability.

(2) The volume of photo requests received.

(3) The demand for faster production of photo prints, in multiple copies, to meet intelligence requirements. High-speed photo printers are needed. A personnel augmentation will be required when additional photo processing equipment is authorized for the unit.

b. Four additional aircraft could be operated by the aviators now authorised; an ARVN observer, rather than a US aviator, occupies the co-pilot's seat in each aircraft. Eighteen additional enlisted men would be required to support these four aircraft. (The additional aircraft and personnel have been requested by COMISMACV.)

3. (C) <u>Pindings</u>.

a. A photo processing van and necessary photo specialties are required by each flight team to expedite service when the flight teams are separated from the parent unit.

b. With the number of avi-tors now authorised, the 23d SUD can operate four additional arcraft, provided 18 addition 1 emlisted maintenance personnel are made available.

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Nonthly Test Report Number 2 -- Mohank

ANNEX F -- Objective 6 (Changes in technical and training literature)

1. (C) Objective.

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"To recommend necessary changes to the TOE (Hodified), training and technical literature released on the results of the operational evaluation."

2. (C) Discussion.

a. Recommended TOE changes, as appropriate, will be based upon final findings developed in connection with Objective 5 (Annex E).

b. If testing conducted in connection with Objective 4 (Annex D) reveals requirements for changes in training and technical literature, appropriate recommendations will be made.

3. (C) Findings.

None at this time.

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Nonthly Test Report Number 2 - Mohawk

ADNEX G -- Objective 7 (Logistical problems)

1. (C) Objective.

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"To determine logistical problems,"

2. (C) <u>Discussion</u>.

a. Graphs of daily aircraft availability and daily flight hours are at Annex N (Graphs N-3 and N-4). During the past 30 days, only five aircraft have been in the unit's working fleet. A crash-damaged Mohawk (see Am ex N, Heport N-2) has not yet been reprired, and prior to the cresh one fircraft had been EDP for four weeks. During the reporting period the average daily availability has been 4.6 aircraft - 925 of the working fleet. A total of 383 flight hours was massed huring the same period.

b. Parts usage for the 889.5 flight hours flown since the unit arrived in SVN is shown at Annex N. Report N-1.

c. Repair parts sesupply through the theater jipline is not responsive to requirements. Although the aircraft were kept flying, many parts requisitioned in October had not yet been received by early December. Two factors contributed to the maintenance of a high aircraft availability rate:

(1) Service representatives of the Grumuan and Lycoming companies received a number of KDP and AEDP parts direct from the manufacturers.

(2) Several parts which normally are used only once, in accordance with good maintenance practice, were "re-used.

d. Machine guns have malfunctioned approximately 30% of the time. The break-out of armament malfunctions at Report N-5, Annex N, shows the reliability problems associated with .50-caliber machine guns. Although some of these malfunctions are attributable to training deficiencies and shortage of tools and repair parts, the high machine gun malfunction rate indicates that this weapon is less reliable than the Nohask rocket system.

3. (C) Findings.

a. The Mohenda is relatively easy to maintain under field conditions.

b. The present system for supply of Nohauk spare parts is not sufficiently responsive.

c. The Mohawk machine gun system has a high malfunction rate.

ANNEX G

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ACTIV-111 Monthly Test Report Number 2 - Nich ask

ANNEX H -- Mohawk ov luttion reports by II Corps US Advisory [orsonnel

ATTACHEDINTS:

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Letter H-1	First indorsement of 10 December 1962 from Senior Advisor, II Corps, and memorandum of 8 December from Senior Advisor, 9th Division.
Letter H-2	Letter of 17 Decumber 1962 from Senior Advisor, 9th Division.
Report 11-3	Report of missions performed in support of the 47th Regiment.
Report line	Extracts from II Corps reports covering Mah.mk operations.

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SUBJECT: Employment of OV-1C (Mohawk) wirer ft in 9th DTE (C)

UNITED STATES AR Y MILITARY ASSISTANCE ADVISORY GROUP, VILTNAM, II VN CORPS DETACHMENT, VIETNAM, 10 December 1962

TO: Commander, U. S. Military Assistance Command, Vietnam, ATTN: J3, Saigon, Vietnam

1. (C) Attention is invited to the attached memorandum of Colonel V. M. Wallace, Senior Advisor, 9th Infantry Division, subject: "Employment of OV-IC (Moh.wk) Aircr. It in 9th DTZ". This memorandum has particular validity at this time because the Mohawk aircraft, currently in support of II Corps operations, are supporting Oper tion DONG THEN in Binh Dinh province and Operation HAI YEN in Phy Yen Province on a priority basis. The comments of Colonel Wallace are timely in view of the fact that he has been constantly connected with the aployment of these aircr. It since their arrival in Vietnam. Colonel Wallace is returning to the United States in December for reassignent. I fully concur with the conclusions and recommendations of Colonel Wallace as contained in the attached memorandum. II Corps has agreed to place on temporary duty four additional Vietnamese observers which will rectify the deficiency as noted by Colonel Wallace in his third recommendation.

2. (C) An lysis of OV-1C (Mohawk) aircraft operations in II Corps Tastical Zone since 15 October 1962 clearly indic tes the overall effectiveness of this direraft. Its demonstrated performance has been particularly impressive, in a manner which particularly suits the direraft to support of counter-insurgency operations. The direraft engine is relatively quiet, excellent observation is possible because of its fuselage construction and configuration, and no second direr ft (L-19) is necessary to spot or confirm targets. These factors have enbled the "ohawk to develop an unusually high "surprise" capability in comparison to of ar close dir support direraft now in use in Vietnam. Frequent instances have been reported by low flying Mahawks of Viet Cong sightings which probably would not h ve been possible if any one of these capabilities had not been inherent to the direraft. Further, the direraft and its supportingerganisation are sepable of decontralising their operations to soveral key areas of II Corps Tactical Zone which paraits either constant daylight surveillance of these areas or extremely rapid response times.

3. (C) The inhurent surprise capability and responsiveness of the aircraft would permit consider ble additional employment and significant-resulting loss to the Viet Cong if current firing restrictions were recoved. Not the aircraft cold attack targets not previously exposed to other we mone systems which do not possess similar characteristics. Furthermore, Viet Cong would become more more of the strike capability of the firer ft and we ld necessaryil become actually where of the short period of time available to them to launch their own attacks. The number of Mohawk aircraft available to them to launch their own effect on Viet Cong activity to extend over the entire II Corps Zone, but it cart inly could reenforce RNNAF activity in such key areas as Binh Dinh and Phu Yen Provinces. In these two provinces, Viet Cong cold not appear

H-1 (ANNEX H)

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H-1 (ANNEX H)

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SUBJECT: Employment of OV-IC (Noh.Mk) Aircraft in 9th DT2

would be natorially reduced. It is folt that incidents along the Trans-Vietnam Railroad have been materially reduced through Kahawk mirroaft surveillance, and that they could be further reduced if Mahawks could exploy their firing capability without artificial restriction.

3. (C) <u>Conclusions</u>:

a. Noh we incraft have demonstrated high suitability for support of counter-insurgency operations.

b. If mensitted to be utilized to their full cupability, Mohawk aircraft could materilly increase their assistance to RVNAF operations by destroying Viet Cong and supressing Viet Cong offerts.

4. (C) <u>Reconductions</u>:

mircr: ft sho ld be fully armod and pilots should be permitted to employ this armanent once t rgets have been properly identified,

> WILBUR WILSON Colonel, Inf Senior Advisor

Page 2 H-1 (ANNEX H)

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HEADQUARTER3 9TH INFANTRY DIVISION ADVISORY DETACHIENT U.S. Army Military Assistance Advisory Group Qui Mhon, Vistn-m

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8 December 1962

NEMORANDUM FOR: Senior Advisor II Corps Pleiku, Vietnam

SUBJECT: Employment of OV-IC (Mohawk) Aircraft in 9th DTZ (C)

On 15 October 1962 the 23d SPUR and Det (SUR) becaue operational and placed a limiton officer on TDY with the 9th ARWN Division NUUG detachment. Requirements for air support were scheduled by him after requests had been processed through Division FSCC, with the concurrence of advisory personnel. The limiton officer than immediately, either by telephone to his operations in Nha Trang or by r dio contact with aircraft airborne in the 9th DTZ, placed the requirements on the 23d SFUR and Det.

This method worked extrusely well when circraft were airborne on missions in 9th DTZ and within radio range (about 40 NN with the employment of ANNC-292 intenne) and was effective approximately 50% of the time. However, for other requirements there existed a 45 minute delay in aircraft arriving on target from their base in Nha Trang.

It was pointed out by the C.O. of the 23d that this 45 minute delay could be reduced by basing a flight team of two circraft, 4 pilots and 2 ANVN observers with 9th Division at Qui Nhon. This would reduce time-over-target by at least 30 minutes, and in many close there would be no delay as the aircraft would already be in the target area on other missions.

On 23 N vember 1962 a flight team arrived in Qui Nhon and remains in direct, support of 9th ARVN Division, Missions presently originate within ARVN units; are passed to Division FSCC and then on the 23d through the Flight Team Leader. The aircraft have been operating around-the-clock and are immediately responsive to mission requirements placed upon them.

Mission requirements placed upon the aircraft are numerous and of varied types. It has been discovered that the only limitations in employing this air- / craft is the imagination and initiative of the originator, coupled with the operational limitation placed on the 23d; of not firing upon energy targets unless fired upon.

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NAOTN-QN

8 December 1962

SUBJECT: Employment of OV-IG (itoh:wk) Aircraft in 9th DTZ

Since that time 290 missions have been completed in direct support of the 9th ARWN Division. This amounts to approxim toly 187 sorties flown. This does not take into consideration the missions or sorties performed by diverting airborne aircraft to other targets while in or near the target area.

Missions requirements tro generally:

- 2. Photo Recon.
- b. Artillery adjustment.
- c. Visu.l Recon.
- d. Dama; e Assessent Photo.
- e. Continuous Observation (Specified Area).
- f. Ridio Rolay and Unit Coordination.
- g. Railro. d Rucon.
- h. Convoy Escort.
- 1. Helicopter Escort
- j. Illumination
- k. Defensive Fires (within specific limitations imposed).

Photographs received were of the desired are., quality was excellent, and they arrived the same day requested. In several instances, where the requirement existed, they were delivered within 3 hours after the request was initiated.

Artillery adjustment missions were conducted without incident. Little difficulty wis encountered in est blishing radio contact with the Artillery unit, as the aircraft had an English-Vietnamese speaking ARVN Observer on board. Indic tions are that this will increase effectiveness of the ARVN Artillery.

Visual reconnaissance has advanced the over-all intelligence gathering effort. For example: sighting of new Viet Cong units; locating and confirming suspected units; sighting and reporting Viet Cong preparations for ambushes on trains and convoys.

Aircraft arrived quickly over hamlets that had been attacked. At night this is especially important because the illumination assisted in driving off the attack, and could have permitted landing of helicopters.

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8 December 1962

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S.B.JECT: Employment of OV-IC (Mohawk) Airer: ft in 9th DTZ

There have been many cases where units have lost radio contact. The Mohawk has been successfull in locating these units and reestablishing radio communications with the parent unit.

Experience has established that holicopture and vehicles will not be fired upon when escorted by these directift,

Defensive fires were delivered on two occusions, both resulting in casualties to the Viet Cong. If full armament had been employed a Viet Cong Company could have easily been annihilated.

Sighting of the circraft overhead encourages ARVN troops; with just the op osite effect on the Viet Cony. This is particularly important at night with the immedi to response expetility of the Mohawks to illuminate the target.

Primary limitations at this time appear to be the lack of complete freedom of oper tions, along with the aircraft not fully armed to maximum cap bility. There are occasions when the aircraft and pilot were ready to perform a necessary mission, but the observer was sick or had already flown 8 hours that day. This can be easily eliminated by assigning additional observers. Also, a great benefit would be derived if advisory personnel were equipped with PRC-10/9 radies to clarify missions being given from ground units.

CONCL.SIONS:

(1) OV-IC Moh.wk circraft h we been invaluable in assisting the 9th ARVN Division in achieving objectives sought in spite of the fact they could not shoot.

(2) Reaction time was immediate. Aircraft were over the target within 15 to 20 minutes after request on immediate missions, with rottime requests intersporsed between.

(3) That operational restrictions should be removed.

(4) Unit is unable to operate to its maximum effectiveness without around-the-clock Vietnimesc-English spacking observers, ni communications with unit advisor personnel.

RECOLDEDATIONS:

(1) All operational restrictions be renoved.

(2) Aircraft be fully armod to include rockets.

(3) Additional observers be assigned to the 23d SPEAR Avn Dot (SUR), APO 40, J.S. Forces.

(4) Unit dvisory personnel be issued necess my communic tions equipment (PRC-10/9) to contact this circuit.

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Page 5 H_1 (ANNEX H)

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8 December 1962

SUBJECT: Buployment of OV-1C (Moh.uk) ..ireraft in 9th DTZ

(5) The Commanding Officer, 23 SPALR Avn Det (JUR) should be permitted maximum latitude in employment of these mirroraft.

> V. N. WALLACE Colonel, Infantry Senior Advisor

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Page 6 H _1 (AMMEX H) ٠.

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CONFIDENTIAL UNITLD STATES ARMY MILITARY ASSISTANCE ADVISORY GROUP, VILTNAM Gui Nhon, Vietnam

HAOTN-ON

TO:

17 December 1962

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SUBJECT: Evaluation Report

Senier Advisor II Corps Ploiku, Vietnau

INFO: Commanding Officer 23rd Special W rf re Avi tion Detachment Nha Trang, Vietnam

1. Discussion

a. The first request submitted to 23rd Special Warf to Aviation Detachment on 16 October 1962, consisted of a list of 145 target preas for him photographs. This request was submitted by the Intelligence Center of Binh Dinh Province directly to Likison Officer of 23rd. Twenty-two (22) target areas of the submitted list have been completed and the remainder were cancelled on 28 November 1962. The photographs received were of exceptional quality and many det ils were determined from them. This list was submitted, primarily, to give the 23rd missions which would enable the 9th Inf mtry Division to eliminate a backlog of photo requirements. There was some delay in receiving photos initially due to improper use of photo request forms.

b. On 170900 October 1962, the first immediate photo request was submitted for spot photos of three different areas. The Intelligence Center received the photos on 181015 October 1962. This request was complete and the secle of the photos received was such that suspected Vist Cong constructions and rice fields were readily detected.

c. An unusual request for night observation was submitted on 20 October 1962. The observation was to be flown from 2200 hours to 0500 hours nightly. This request was delayed due to higher priority missions and was resubmitted on 24 October. After studying the night observation request, it was determined that this mission was impracticable; therefore, it was cancelled.

E-2 (ANDEX H)

H-2 (AMEX H)

Evaluation Report Cont'd.

d. Mission number 10 wis in immediate request, and was submitted on 241000 October 1962. The mission was flown on 24 October, but the photographs were not taken due to the severe we ther conditions. The request was re-submitted on 251500 October and flown as mission number 11. It was requested that the photographs be made available to the Intelligence Center by 26 October 1962. The time on target was 271000 October, with the Intelligence Center receiving the photographs on 29 October 1962. The reason for delay was not determined. The purpose of the photographs was for terrain analysis. The photographs revealed a road, which was to be used on operation, unusable due to weather conditions.

•. Hission number 15 was an immediate request, submitted on 28 October 1962, by the Division Artillery and the Intelligence Center. The TOT requested was 291200 October and the actual TOT was 291133 October, with photos being delivered the same day. After analysis, the photos revealed 6 to 8 VC carrying supplies t BS 809198. What appeared to be VC on Sampans at BS 923125 could not be confirmed by merial photos. It is felt this emphasized the importance of positive identification.

f., On 16 November 1962, an immediate request was submitted to be flown on 170800 N vamber 1962. Mission number 62-11-72 was flown on 17 November and photos revelled six (6) suspected VC warehouses at BS 654053 and BS 706103 plus a number of smaller structures suspected as VC, also t BS 697963 and BS 703072 where suspected VC frails lead to two houses, also suspected to Viet Cong.

g. During the period of this report, other photo missions were flown, which were requested through TOC. Mission number 3 w s requested by G3. This mission revelled suspected VC houses and fields at BS 6921; 7121; 7421 and 8619. TOC requested an observation and photo mission 010730 November. This mission was flown on 010815 November with photos being delivered on 2 November 1962. These photos revealed one structure 19 meters long at BR 626841 with ten smaller structures hidden in the trees, and at BR 595871, one larger and seven small houses were photographed all of which are suspected as Viet Cong houses.

h. On 28 October in immedi te photo request was submitted to FSCC for approvil and plass on to Nohamk. The desired TOT was 290800 November, with the actual TOT being Oll600 December. The Intelligence Center received the photos on 5 December and determined 10 houses at BR 675113; 674118; 676120 and 724114, suspected s VC.

i. Along with flying photo missions for the operation in Binh Dinh Province, the 23rd also flow photo reconnaissance missions for the 8th Transport tion Coupany also loc ted in Qui Nhon. These photos revealed landing somes and landing approaches for helicopter operations which proved very beneficial during operations.

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Page 2 H-2 (ANNEX H)

Ev lu tion Report Cont'd.

j. A number of suspected and confirmed VC loc tions not included in the above the intlacted as inclosures 1, 2 and 3. These were extracted from messages sent by ARVN which stated all loc tions were determined from photos taken by the 23rd.

2. Conclusions: The services rendered this headqu rters have been outstanding. Photographs are of superior quality, with the reaction time of recoiving photos cut to within 12-24 hours and in some cases less. The photos received at this station have helped locate VC construction, VC routes, landing somes for helicopters, and have materially assisted the 9th Infantry Division in numerous operations. The spirit and enthusion displayed by all members of the 23rd have been commendable.

> VICTOR M. ANIDO, JR Col, Inf Senior Advisor

3 Incl.

Page 3 H_2 (ANDEX H) Page 3 H-2 (ANNEX H)

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CONFIDENTIAL Suspected VC Targets taken from acrial photographs

1. BR514350 - 10 houses 2. BR525346 - 4 houses built under trees 3. BR515310 - Hany houses scattered in rice fields long a stream 4. BRA00240 - Many houses scattered in rice fields along a stream
5. BRA87326 - 15 houses built under trees
6. BR395217 - 30 houses built under trees
7. BR416221 - 20 houses built among trees 8. BR408219 - 20 houses built mong bushes 9. BR418247 - 1 house (4m X 10m) :mong trees 10. BR428417 - 1 house 11. BR285280 - Many houses scattered in rice fields 12. BR303283 - Hany houses scattered in rice fields 13. BR303283 - 5 new houses scattered under trees 14. BR401204 - 5 houses built under trees nour .. stroum. 15. BR440312 - 15 new houses

Incl 1 H-2 (ANNEX H) Incl 1 H_2 (ANNEX H) ١

Suspected VC Targets t ken from sori 1 photogr phs

- 1. BR912142 19 individual houses accupying .. 900m radius. (Some are under trees.
- 2. BR918130 1 w tch tower built on a pass.
- 3. BR913112 3 am 11 individu. 1 houses built on both sides of a spring.
 - . BR910095 1 small house appearing on open 1 nd.
- 5. CROLOI60 10 individu.1 witch towers built on mountains within a loom radius.
- 6. CR045105 7 individual houses and witch towers scattered among rice fields ...long side mountains.
- 7. CR011105 2 smill tents appoiring on farm land,
- 8. B3332560 5 individual houses (approx 4m % 9m) appe ring in the open among trues. Those are suspected VC finance/economic installations.
- 9. BR333570 1 house (approx 6m X 15m) partilly under trees. Suspected VC worchouse.
- BR333635 6 individual houses built partially under trees near a small rice field. Suspected VC warehouses.
- 11. BR633605 1 house (5m X 9m) and (3m X 5m) appearing near a small rice field. A suspected VC warehouse.
- BR653301 Many individual houses appearing among trees near a small rice field. Suspected VC warehouses or economic offices.
- 13. BR402301 4 individual houses built in a valley near a spring. Suspected VC financi l/economic inst llations.
- 14. Numerous houses appearing on top of a hill, partilly under trees. (BR410309)
- 15. BR436321 10 individual houses scattered among trees.
- 16. BR452325 11 individual houses appearing on old rice fields with trails leading to a spring.
- 17. BR309510 16 1 rgs houses and 10 sm 11 houses massed near river. Some houses appear unoccupied. Suspected fin nec/economic installations.
- BR365518 1 big house and 10 small houses built on side of river. Suspected VC finance/economic installations.
- 19. BR365525 14 individual new houses built in spiral shape.

Incl 2 H-2 (INNEX H.)

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Incl 2 H_2 (JOEX H)

Suspected VC Targets taken from aerial photographs

1. BS584134 - 10 houses built near a spring. Suspected VC barracks.

- 2. BS524095 2 big houses (14m X 16m 5m X 2m) built under trees.
- Suspected VC warehouses.
- 3. BS577097 5 houses. Suspected VC barracks.
- 4. BS499056 5 houses built near a spring. Suspected VC barracks. 5. BS516050 4 houses built near a spring. Suspected VC barracks.
- 6. BS555066 2 houses built in a clearance of the forest. (7m X 9m -4m X 5m) Suspected VC warehouses.
- 7. B3665127 1 house (4m X 7m) built at the base of a hill. Suspected VC installation.
- 8. PS672125 2 houses (12m X 16m) and 1 tower.
- 9. BS6//0067 25 houses built in a 700m radius. Susported VC rice storage warehouse.
- 10. ES632083 5 houses built under trees.
- 11. BS0/0975 1 big house (7m X 25m) and several small ones built under trees.
- 12. B5653067 4 houses built under trees.
- 13. BS633070 2 houses (4m X 9m) and many small one built on hill side.
- 14. BS625078 6 houses built at base of a hill.
- 15. BS753169 1 big house (3m X 7m) built in middle of forest. Suspected VC warehouse.
- 16. 773160BS 6 destroyed houses built on side of hill. Suspected VC finance/ economic installations.
- 17. ES783211 2 houses built in the middle of forest. Suspected VC liaison stations.
- 18. BS787209 1 destroyed house.
- 19. BS774153 2 houses (4m X 5m) built at the foot of a hill and in a valley.
- 20. BR527865 3 houses. Suspected VC barracks.
- 21. BK534872 12 houses built in the middle of the forest. Suspected rice - storage warehouse.
- 22. BR493873 6 houses. Suspected VC barracks.
- 23. ER527874 10 houses built close together in forest. Suspect VC barracks.
- 24. BR499885 15 houses built in forest. Suspected barracks.
- 25. BR524890 4 houses built close together in the forest.
- 26. BR528890 5 houses built under trees.
- 27. BR536870 15 houses and some canvas tents near a spring.
- 28. BR539888 10 houses built close together under trees.
- 29. BR542883 10 houses built close together and 3 others far apart.
- 30. BR545870 7 houses built far apart.
- 31. BR546858 40 houses built in an area of 2 km long and 800m wide.
- 32. BR511868 4 houses built far apart.
- 33. BR583870 5 houses built close together under trees.
- 34. BR582880 5 houses built close together.
- 35. BR585886 8 houses near a spring. Suspected rice warehouse.
- 36. BR595896 5 houses built near a hillside. Suspected warehouse.
- 37. BR596874 Many houses built close together under trecs.
- 38. BR634856 Many houses built close together and near a spring.
- 39. BR610885 Many houses built close together.
- 40. BR540964 40 houses built close together in a forest.
- 41. DR536853 6 houses divided into 3 groups.

Incl 3 'H-2 (..nnex H)

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Incl 3 H-2 (Annex H) ń

Suspected VC Targets Cont'd,

42. BR528850 - 4 houses built close together and one house separate in a forest.

- 43. BR525852 5 houses built close together.
- 44. BR526857 -10 houses built separately in an area 800m long and 200m wide. Suspected rice warehouse.
- 45. BR715858 4 houses built in a forest.
- 46. BR514854 3 houses built close together and 3 other separately.
- 47. BR501839 5 houses and many canvas tents built under trees.
- 48. BR543840 -20 houses built separately under trees.
- 49. BR550834 5 individual houses built under trees.
- 50. BR:60337 Many houses built under trees and near a stream.
- 51. BREGOSL7 6 houses in a forest.
- 52. FR625633 -10 houses built in a forest. Suspected rice warehouse.
- 53. BRG22779 -10 smill houses built in a forest. Suspected warehouse and economical installations.
- 51. 20522743 3 houses built in a forest and near a hill side.
- 55. BM626700 -19 houses built along a spring. Suspected financial/economic installations.
- 50. BR590791 -50 smll houses built in a forest in a 500m X 200m radius. Suspected VC barracks.
- 57. BR564743 2 small and one large house (8m X 8m) built in a valley. Suspected VC warehouse. 800m toward the west there are 16 small houses built under trees in a 600m redius. Suspected VC barracks.
- 58. b7548723 3 houses (10X7m) built close together and several individual ones built in a forest. Suspected finance/economic offices.
- 59. BR693577 2 houses built in a forust.
- 60. BR588727 -30 houses built close together.
- 61. BR568802 3 houses built close together in a forest.
- 62. BR550753 -10 houses built close together in an arch shape and approx 12 other ones built in a forest.
- 63. BR5511756- 5 bungalow type houses built close together in a forest. Suspected VC warehouses.
- 64. BR562750 -10 sm:11 houses and 1 large house.
- 65. BR396672 3 houses built in r forest near a spring.
- 66. BR313840 3 wetch towers built near a dry spring.
- 67. BR372770 3 individual houses built under trees near a clear crec.
- 68. BR366637 8 houses built under trees.
- 69. BR373682 4 smcll houses built under trees.
- 70. BR516835 3 houses built under trees.
- 71. BR505842 6 houses divided into 2 groups built under trees.
- 72. BR499832 3 houses built under trees.
- 73. BR463873 2 houses built under trees.
- 74. BR492826 -10 houses built close together under trees.
- 75. BR502921 -10 houses divided into 2 groups built under trees.
- 76. BR510848 5 houses built under trees.
- 77. BR532962 1 big house built under trees with communicating trails.
- 78. BR475595 6 small houses built close together under trees.
- 79. LR472949 -15 cenves tents. Suspected VC barracks.
- 80. BR465957 4 smill houses built close together under trees.

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Suspected VC Targets Cont'd,

81. BS455150 - 1 house built under trees. 82. B5478157 - 4 individual houses. Suspected VC berreaks. 83. BR448844 - 3 large and many scall houses built under trees. 84. BR457837 - 3 houses built in a forest. 85. BR474840 - 4 houses built in a cleared piece of hand in a forest. 86. BR483844 - 6 houses built in a cleared place. 87. BR622779 - 10 individual houses built in forest. 88. PR364932 - 1 house and perhaps many watch towers built under trees and slong a stream. Suspected VC contracting point. 89. BR375925 - 1 house built on an old cleared piece of land. 2 others built under trees and 2 others built along a stream.. 90. DR53: 718 - 2 houses built on a cleared piece of land in a forest. 91. FR36(905 - 5 houses built on a cleared piece of land. 92. 51.353914 - 2 houses and approx 12watch towers built under the trees. 4 individurl small houses built on a cleared piece of land. 93. 11355997 - 3 houses built near a piece of farming land. 94. E\$305101 -35312003 - 50 houses, some built on a cleared land, some built under trees, and 18 of them built close together in a forest. 95. BR328940 - 5 houses divided into 2 groups built under trees. 96. BR330929 - 12 houses divided into 3 groups built on cleared pieced of land 97. BR180993 - 2 houses built in a forest - 2 others built along a spring. 98. BS193034 - 10 small houses built close together in a forest and approx 40 others separately built under trees in a radius of 1 km. 99. BS185043 - 10 houses built close together elong montagnard rice fields and more than 40 others built in forest in a 5km radius. 100. BS170025 - 3 houses Mult on a cleared piece of land and 3 others in e forest. 101. EC172C34 - 5 houses built close together and 8 individual ones. There tre communication trails. 102. BR165983 - 6 houses built close together in a thick forest. 103. BR191906 - 4 towers built on a cleared piece of land in a forest. 104. BR239973 - 8 houses built in a forest. 105. BR226930 - 18 individuel houses built under trees. BR270993 - 2 houses built in a forest 106. 107. BR240971 - 5 houses built in a forest. 108. BR246965 - 4 houses built in a firest. 109. BR245934 - 1 house built under trees near a spring. 110. BR251932 - 9 houses built under trees near a spring. 111. BR237915 - 2 houses built under trees. Suspected VC communication sta.

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Monthly Test Report Number 2 -- Mohawk

Report H-3, ANNEX H

The second priority mission assignment of the 23d SWAD is to provide direct support to the 47th Regiment at Tuy Hor. The following extracts from records maintained by the US advisors with the regiment summarize the mission requests and results.

Mission Nr 1. 25 Oct 62

Mission - Day photography and leaflet drop.

Results - Photos delivered 260900 Oct. Coverage was as requested. Leaflets were not dropped since unit did not have this capability. (Editor's note: The unit had not yet developed a technique for successful leaflet drop.)

Mission Nr 2. 26 Oct 62

Mission - Day photography.

Results - Mission not flown because of weather.

Mission Nr 3. 27 Oct 62

Mission - Day photography.

Results - Not flown; Firereft not aveilable.

Mission Nr 4. 29 Oct 62

Mission - Observation and day photography for helicopter landing operation.

Results - Photographs delivered 300830 Oct. Coverage was as requested.

Mission Nr 5. 30 Cct 62

Mission - Observation, day photography, and to establish radio contact with an artillary unit and adjust fire if required.

Results - Photographs delivered on 31 Oct 62. Coverage was as requested.

Mission Nr 6. 31 Oct 62

Mission - Day photography

Results - Photographs delivered 1 Nov 62. Coverege was as requested.

Mission Nr 7. 1 Nov 62

Mission - Day photography

Results - Records not r vailable

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H-3 (Annex H)

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Mission Nr 8.

Mission - Dry photography

Results - Records not available

Mission Nr 9. 7 Nov 62

Mission - To provide observation for two recon aircraft joing into strongly controlled Viet Cong Free.

Results - Mission accomplished. Request sent at 1305 hrs to Nhe Treng. Aircraft on target 1335 hrs.

Mission Mr 10. 8 Nov 62

Mission - To photograph three areas for future helio-operation.

Repults - Mission accomplished. Coverage good. Request sent at 071800 hrs. Mission finished at 080930 hrs.

Mission Nr 11. 13 Nov 62

Mission - To photograph two areas for future helio-operation.

Results - Helfunction with comercs. Request at 130800 hrs. Reply and mission at 131100 hrs.

Mission Nr 12. 15 Nov 62

Mission - Fly recon of Phu Duc district for future helio-operation.

Results - Two hour recon conducted. Filot landed and gave briefing on what was found in the crea.

Mission Nr 13. 19 Nov 62

Mission - To retake photos taken 13 Nov due to malfunction.

Results - Mission & ccomplished. Photocoverage good.

Hission Nr 14. 19 Nov 62

Mission - Request for immediate illumination mission. One company with American advisor surrounded by Viet Cong. (reported)

Results - Mission not accomplished due to cloud cover over target area. Request sent at 192145 hrs - aircreft over target area at 192310 hrs, but above clouds.

Page 2 H-3 (Annex H)

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Page 2 H-3 (Annex H) .
-Mission Mr 15.

24 Nov 62 CONFIDENTIAL

Mission - To provide air observation for helio-operation. Two sireraft requested.

Results - Mission confirmed. Helio-operation conculled due to inclement weather.

Mission Nr 16. 25 Nov 62

Mission - To provide air observation for helio-operation. Two sircraft requested.

.estime - Assia confirmed. Helio-operations cancelled due to inclement Weather

1 Sara 17 27 Nev 62

Mission - To provide air observation for helio-operation. Two eircreft requested

hesults - Mussich accomplished. One circreft fired upon. Aircreft returned firs at six Vict Cong obtaining results of one Viet Cong killedone woulded. Excellers job of coverage by the pilots.

Mission Nr 1d. JC D c ók

Ideal A Monawke requested to provide air observation of heliborne operations.

Results - Airstft whre in area at time requested. Advisor on ground requests observation by hebewk. He reported support was excellent.

Mission Nr 35. 11 Dec 62

Mission - 2 Mohanks requested to provide air observation of heliborne operation.

Results - Only one Mohawk reported. There was action in the target area but detrils not available.

Mission Nr 20. 13 Doc 62

Mission - Day photography of 8 areas for possible helicopter lending erec.

Results - Photographs ruceived 24 hours later. Service is outstanding. Observations of pilot contributed worthwhile intelligence.

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Monthly Tust Report Number 2 - Hohawk

Report H-4, ANNEX H

Ert tota from II Corps Advisor reports

These extracts reflect the demnds on the Nohewks and the reactions of supported units.

1. Extract fro MT Corps Advisor's report of 0616002 Nov 52.

MOMANY CONTRACTOR . "Each Division in II CTZ provided 2 serial observers (total d) for utilization in the Hohawk program. Observers have completed a 16 hour stand training course and have participated in frequent reconneissance and photocytemize missions. A record time of ten hours from flight to delivery of course recorded on 29 Oct 62."

2. Attract from IEEA RAPUN, MACTN-IIC, dated 19 Nov 62.

<u>AUTIONMENT OF ARTILLEAT AND NORTARS</u>. "An additional stimulant to artillery willization was the twicing and assignment of Artillery officers as observers in OV-DC charact - Nive (5) of the six (5) ARVN observers, permanently assigned to Man Trung to work with 23d SMAD, are artillery trained. These observers will scarch for targets of opportunity and subsecuently con influence strategies with Herry position subsecuents."

3. Marrise from 230M 250, 2216302 N.V.

"Summiny of Eshawk C.c. 17 - 23 Nov. During this period Nohawk circreft flew a tetra of De scatter consisting of 9 photo, 10 milliond surveillance, 10 observation. I "Dumination 3 big and 3 administrative missions. Photo response time has been highly offective since photos can be delivered within 3 to 4 hours if situation as maquires. Normally 12 hours time is sufficient and average delivery times are about 12 hours duration. A delivery time of from 12 to 24 hours often permits use of administrative aircraft rather than Hohawk aircraft to perform the photo delivery portion of this type mission. Nohawk aircraft are currently supporting clear and hold ops in Phu Yon and Binh Dinh Provinces on a priority basis and thus Na whey have proven to be highly responsive to the needs of commencers responsible for those ops."

4. Extract from OPSUM 281, 1316302 Dec 62.

<u>PLEIKU PROVINCE</u>. "One pletoon 155 How from 37 F/ Bn was placed under control of LE TROUNG Dist Oh for 3 days eff 11 Dec. NSN of the unit is to fire into VC controlled areas. During 11 Dec platoon fired H and I fires vic BR162465 and /R943588. On 12 Dec HOHAWK A/C was used to direct fire on selected targets and to photograph the area. Photos disclosed several targets hiddon in the jungle (IE a hiddon village at /R943588 from which HOH/WK drew SA fire). Hohawk returned fire and also adjusted fire on 5 targets, destroying approx 40 structures."

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H-4 (Annex H)

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ACTIV-AN Monthly Test Report Number 2 -- Mohawk

ANNEX I - Sketch map and description of the Mohawk test area

ATTACHOGENTS:

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Map I-1.	•	•	٠	•	•	•	•	•	•	•	•	•	•	•	•	٠	•	Test area.
Roport. I2.	•	•	•	٠	•	•	•	•	•	•	•	•	•	•	•	•	•	Description of area.

ANNEX I

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ANNEX I

ACTIV-AM Nonthly Report Number 2 -- Mohawk

Map I =1 to accompany ANNEX I



ACTIV-iM (U/V/ Monthly Test Roport Number 2 - Nohawk

Report I-2, ANNEX I

Description of the area.

The II Corps area is bounded by the South China Sea to the east and by Cambodia and Laos on the west. The I Corps area adjoins on the north, the III Corps on the south.

There is extensive agricultural acreage along the coast; rice is the chief crop. Beginning about a mile inland are mountain ranges paralloling the coast until they bend toward the west at the lower end of the zone. Peaks reach up to 6,00. Post; the mean elevation of the plateau area is about 2,200 feet. The mountain ranges, neavily forested, are inhabited sparsely by Montagnards. The mountains tend to isolate the plateau from the coastal area.

Cliente varies with terrain, but each main terrain type — mountain, plateau, coastal -- has seasonal wet and dry seasons. Only normal expected weather patterns can be predicted with any degree of accuracy. Lack of communications is a major factor limiting accurate weather forecasting. Only Ban Me Thout and Nha Trang have direct teletype lines to the weather station in Saigon. Of the 50 serviceable airfields in the II Corps zone, only Nha Trang, Ban me Thout, Qui Nhon, and Fleiku maintain airfield towers.

The wet and dry secons establish definite worther patterns interrupted only by tropical disturbances which develop in the South China Sea. Seasonal wind patterns play an important role. Under conditions of high temperature, high humidity, and strong wind, severe weather conditions can develop within a few hours.

Fog, low ceilings, poor visibility, and extensive cloud formations are common during the wet season — November through Karch. Clear skies with unlimited visibility prevail during the dry season.

Kost Mohawk operations are conducted in the mountain ranges and valleys of Binh Dinh and Phu Yon provinces. The beginning of the test period coincided with the northeast monsoon (wet) season. Broken cloud cover in the mountain areas is the rule; mountain peaks and high ridges normally are obscured.

Observation and surveillance operations must be conducted under the cloud layers. This condition, together with the turbulence created by low-level winds over the mountains, decreases the efficiency of surveillance to the degree that the aviator must give increased attention to safety considerations.

I-2 (Innex I)

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ACTIV-AN Nonthly Test Report Number 2 - Mohawk

ANNEX J --- Photographs of VC activity

ATTACHMENTS

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Photo J-1	Rail sabotage: illistr: method of derailing tr	
P10: 0-4+2		its of artillery fire
a na contra a c	VC structures in dense be difficult to detect cept from the air.	
Photo J. L.	VC on a trail. The poo and took cover inmedia was taken.	

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ANNEX J

This was not

WC RAIL SABOTAGE. DISCOVERED AND REPORTED BY & HOHAWK CREW.

COORD AN 925290

J-1 (ANDIEX J)

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J-1 (ANNEX J)

19. 19. 19.

DAMAGE ...SEESSMENT FHOTO OF VC VILLAGE DESTROYED BY 155mm HOWITZER

FIRE ADJUSTED BY MOHAWK CREW

J-2 (ANNEX J)

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J-2 (ANNEX J)

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VC STRUCTURES COORD BR595871

J-3 (ANNEX J)

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J-3 (ANNEX J)

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VC ON TRAIL - COORD BS810063

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J-4 (AINEX J)

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J-4 (ANNEX J)

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ACTIV-AN Nonthly Test Report Number 2 - Homak (C)

ANNEX K - Reilway security reports - PRECIS

This annex in its entirety is published in a supplement to this report. It contains a considerable volume of material under the following sub-headings:

Message K-1... Hessage from Railway Security Advisor, II Zone, 6 December 1962.
Message K-2... Hessage from Railway Security Advisor, 15 November 1962.
Report K-3... Railway Security Advisor's Honthly Report.
Report Y-4... Railway Security (dvisor's report, 7 December 1962.

Material contained in the full annex is summarized here.

Following Vict Cong dernilment on an armored patrol train, the Mohawk detachment was airborne within 17 minutes after alert and within one hour had spotted a substeur trying to separate reils and had radioed a warning to another train in time to avoid a second durailment. A Mohawk detachment, alerted to a delay of a train by a VC-constructed obstacle on the tracks, took up surveillance within 12 minutes and esported the train to its destination with flare drops.

A randomy advisor's reports for a five-month puriod listed the number of cases of damage, theft, and casualties suffered by the Vietnamese Reilway system and indicated that:

a. the number of such incldents decreased from a high point in July of twenty-six to a low of ning during November, the month following initiation of operations by the Nohesk detachment;

b. daily the reconnaissance by Mohawk aircraft was a "constant threat to any person attempting an act of sabotage," and lohawk operations considerably reduced the possibility of Viet Cong concentrations in large numbers without detection;

c. "surial photos of VC sabotago now make it possible... to have first-hand knowledge of VC types of sabotage;" and

d. it would be desirable to initiate a LOHAWE leafletdropping operation to assist the railway propaganda program.

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ACTIV-JH Monthly Test Report Number 2 - Hohadk (C)

ANNEX L --- Qui Mhon flight team -- PRECIS

A ward a strategy of

This annex in its entirety is published in a supplement to this report. It contains a considerable volume of material under the following sub-headings:

Material contained in the full annex is summarized here.

From 23 November to 15 December, invaluable experience and data were gained from experimental detachments of Mohawk flight teams sent to Qui Nhon to operate in direct support of the 9th ARVN Division. Operations of two such teams brought out a variety of operational, administrative, and logistical problems, Operational missions included railway recommaissance, artillery adjustment, leaflet drop, day and night photography, flare drop, emergency night escort of metical evacuation by helicopter, ground convoy observation and reconnaissance, and target acquisition for ground troops.

Weather conditions were variable throughout the period. This permittel recording of a wide spectrum aircraft performance observations. Weather included winds of some speed.

Each teal nonvisted of 10 0.5. military personnel: Pulots, mechanics, ordnance specialists, a POS specialist, and a driver-radio operator. Accompanying each team were three officer-observers from the Vistninese Army. Equipment consisted of two Nohawk aircraft, a werpons carrier and a jeep (both with radios). a 1200-gallen POL truck, argumition, flares, boob carts, and machine gun pode.

Team #3 operated from 23 November to 3 December; Team #2 assumed the mission on 3 December and continued through 15 December.

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ACTIV-AN Nonthly Test Report Mumber 2 -- Hohawk (C)

ANNEX N -- Mission Summaries -- PRECIS

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This annex in its entirety is published in a supplement to this report. It contains a considerable volume of material under the following sub-heedings:

Report M-1 . . Reports of the seven missions during which Nohavás delivered defensive fires. Report M-2 . . Report of mission 62-12-139, visual observation. Report M-3 . . Report of mission 62-12-162, reilroad reconnaissense. Report M-4 . . Report of mission 62-12-156, reilroad reconnaissense.

Metericl contained in the full annex is summarized here.

Summaries of other har routine missions flown by Nobark choreft during the period 1 November through 5 December reveal what, in seven of ten missions reported upon, cofensive fures from the simeraft's .50 caliber machine gun were required reminst Viet Cong ground fire. Although considerable forming of the machine guns was experienced, the defensive fires were offective; nine VC were confirmed killed and one wounded. One ARVN observer in a Mohawk was slightly wounded by ground line.

During the return flight from a reilroad reconneissing mission on 4 December, the Hohmak capability for detailed ground observition was clearly demonstrated when the pilot was able to identify, count, and differentiate as to sex, a concentration of the Cong at a handguarters comp. Also identified were water storage holds, wen, wegenales by types under cultivation, the presence of shoulds a type of the interactivity over a storage working, slow, ing. No.

On 6 December. a hohawk crew was successful in preventing the dernilment of a passenger train by reporting the presence of broken rails on the track. The crew was also able to spot the saboteur at work.

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ANNEX N -- Logistical information -- PRECIS

This conex in its entirety is published in a supplement to this report. It contains a considerable volume of material under the following sub-headings:

discrial contribut in the full enter is sumerized here.

During a total of approximately 390 flying hours, hobek aircraft in South Vietnam news had a visitively high usage of space parts. Notable items included 180 brake Limings, 20 min times, seven nose times, 50 fuel control filters and seals, 40 med studie filters, 50 cel filters and scals, 22 prop dome scals, five engines, three speedbacks selector valves, three fuel controls, and two main landing gear cylinders.

One Hohaw air staft and severally demaged in a lessing horident at Kontum airstrip. The ducident was attrubuted to the punctume of the nose time coupled with the sharphy increased pressure on the nose landing gear resulting from runking propelled reversal on landing. Disintegration of the rese landing gear occurred, around the nose and propellors of the aircraft to surge the runney.

Of the six Meanwes in South Vietnam during the period 16 October-15 December, four were available approximately 90% of the time. All sincesft were deadlined for engine inspection 20-22 October. Aircraft 2708 was deanged beyond local repair in the accident described above. One aircraft was EDP from 24 October to 19 November.

Doily Kohnek flight hours increased on a fluctuating scale from 10 on 16 October to 27.6 at the end of the period on 15 December.

Throughout the period, kohawks were plagued with malfunctioning machine guns. Out of 86 training fire dissions and seven actual defensive fire missions, there were 26 malfunctions of the guns. Incorrect head space, failure to feed, and outof-time chargers accounted for half the malfunctions.

Rocket functioning, on the other hand, was satisfactory; only three malfunctions occurred in 67 training fire missions.

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ANNEX 0 -- Distribution of report

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Addressee	Nr. of conies
Commander, US Military .ssistance Command, Vietnam (Attention JOEG-V)	15
Carander-in-Craft, US Lang Pacafic	5
Commanding Cumural, US Army Combat Developments Command	50
Commanding Constrain Us army Matoriel Command	5
Commanding General, US army Support Group, Vietnam	10
Chier, whithery assistance wavesory Group, Vietnam (Attention Chief, army Section)	10
Deputy Chics of Star for Militery Charations, D.	5
Deputy Chica of Scaff for Logistics, Da	:
Deputy Chief of Staff for Fersonnel, DA	r,
Chief of descard and availanted, La	2
ACTIV Minison College, ODDELPS, D.	25

ANNEX O

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