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(5)11 210



ARMY CONCEPT TEAM IN VIETNAM APO 143, San Prancisco, California

ACTIV-AM

5 September ₹ 63,

SUBJECT:

ent Humber-9-t of Armed Helicopter Test (u). (1 - 31 July 1963) (U)

TO: See Distribution "This document contains information affecting the National Defende of the to the control 794. 157.50

second to the contents in any marmer ( ) and an atheriaca person is promibited by law. \*

This is the third and final of a series of supplements covering monthly reporting periods which commenced at the end of the Armed Helicopter Test\*. 1:: This supplement covers the period 1 - 31 July 1963.

The unit that generated the data for this supplement is the Utility Tactical Transport Helicopter Company (UTTHCO). Personnel and equipment status of the UTTHCO is as follows:

Personnel	TD Authorization	Present for Duty 31 July
Officers	14	42
Warrant Officers	16	n
Enlisted Men	83	92
Equipment .	TD Authorization	On Hand - 30 June
4	25	20

Armed Well copter

On 1 August 1963 a second armed helicopter test was started by the Army Concept Team in Vietnam. It is entitled "Armed Helicopter Escort of Transport Helicopters (28." The purpose of the test is to determine whether the findings and conclusions of previous testing of armed escort helicopters are applicable to operations conducted in different terrain, under different weather conditions, and employing a different transport helicopter (t).\*

The authority and procedures for the second armed helicopter test are contained in: Department of the Army letter, AGAM-P (M) 381 (31 October ... 1962) DCSOPS, subject "Army Treep Test Program in Vietnam (V)," 6 November 1962 as amended and letter, United States Military Assistance Command, Vietman, subject "Evaluation of Armed Helicopter Escort of Transport Helicopters (C), M dated 9 August 1963.

The new test, requiring four months, will be completed on 30 November 1963.

THOMAS O. BLAKENEY Colonel, Armor

TISIA

\*Operational Evaluation of Armed Helicopters (C)", Short Title OPENAH, Final Test Report, ACTIV, APO 143, San Francisco, California, 10 May 1963.

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- 5. UH-1 Availability 1 31 July 1963
- 6. Ammunition Expenditures

TABLE 1
SELECTED MISSION DATA

Number of Missions Mission Hours Combat Support Hours UH-1 Sorties (rmed) UH-1 Sorties (Transport) CH-21 Sorties CH-34 Sorties Landing Zones Frotected Fagle Flights scorted Med Evac Flights E corted	16 Oct 62 to 30 June 63  139 1,309 3,404 3,533 315 5,657 145 405 32 20	1 - 31 Jul 63  49 274 620 1,068 105 715 233 107 3 0	1/ Oct 62 to 31 Jul 63 188 1,583 4.024 4.601 420 5.372 379 512 35 20
Armament Missions in Which Fire Was Returned 7.62mm Rounds Expended 2.75" Rockets Expended	116	44	160
	278,190	145,030	423 220
	2-353	1,075	328
Effects  Estimated Insurgent asualties (KIA+WIA)  US KIA  US WIA  UH-ls Hit by Insurgent Fire  Number of Hits on 'H-ls  UH-ls Disabled by nsurgent  Fire	526	703	1 229
	2	1	3
	6	3	9
	34	14	48
	46	24	70
Aircraft Availability  Average Number of UH-1s On Hand  Average Number of UH-1s Flyable  Average Availability Rate		20 20 17 1 89.08	1 1 - 31 Jul 63 20 16:03 80:00

Date	4 4			5	5 6 6	6	7	7 8	8	9	9 10	10	=	1	ह	<u> </u>	يا تا	<u>ದ</u>
Mission Nr	π٥		14.2	щз	<b>111</b>	<b>μ</b> 5	9 <b>7</b> 1	μ7	871	6π	150	151	152	153	<b>₹</b>	155		157
UH-1Bs Used (armed)	w	N	5	2	5	5	3	2	5	2	2	5	N	8	5	5	w	6
UH-1B Sortles (armed)	ជ	œ	30	ជ	7%	29	22	18	22	76	20	04	r r	w	36	20	ಜ	7
Combat Support Hours Flown by UH-1Bs	6	w	21	6	12	22	10	5	¥	6	6	23	w	N	¥	ы	9	£3
CH-21s Escorted	0	0	8	0	0	6	υ U	0	5	N	4	5	N	0	4	<b>a</b>	N	Ħ
CH-2l Sorties	0	0	32	0	0	21	9	0	9	<b>8</b>	ಗ	04	œ	0	36	ዾ	Б	70
CH-34s Escorted	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0
CH-34 Sorties	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0
UH-lBs Escorted (transport)	1	1	0	1	N	0	0	τ	0	0	1	0	0	۲	۰		0	N
UH-lB Sorties (transport)	2	N	0	6	6	0	0	20	0	0	2	0	0	N	0	N	0	ğ
Wr Landing Zones Protected	τ	1	2	2	3	2	1	4	τ	τ	3	2	۳	N	۳	بر	N	*
Nr Medical Evac Missions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wr Prisoner Pickups	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wr Eagle Flights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mission Duration (bours)	2	3	9	4	8	5	5	6	6	4	4	9	2	3	4	3	•	な

MISSION SUMMARY 1-31 July 1963

Mission Duration (hours)	Hr Ragle Flights	Ir Prisoner Pickups	Hr Hedical Evac	Hr Landing Zones Protected	UH-1B Sorties (transport)	UH-lBs Escorted (transport)	CH-34 Sorties	CH-34s Escorted	CH-21 Sorties	CH-21s Escorted	Combat Support Hours Flown by UH-1Bs	UH-1B Sorties (armed)	UH-1Bs Used (armed)	Mission Wr	Date
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5	0	0	0	1	0	0	0	0	30	01	18	27	9	191	Atta.
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<b>4</b>	0	0	0	2	0	0	0	0	20	6	15	24	7	171	127 22
5	0	0	0	1	2	1	0	0	16	00	18	20	6	172	23 July
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5	0	0	0	1	0	0	86	20	0	0	17	<b>1</b> 2	4	175	24 7

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1-31 July 1963

Mission Duration (hours)	Mr Eagle Flights	Wr Prisoner Pickups	Nr Medical Evac Missions	Wr Landing Zones Protected	UH-lB Sorties (transport)	UH-1Bs Escorted (transport)	CH-34 Sorties	CH-34s Escorted	CH-21 Sorties	CH-21s Escorted	Combat Support Hours Flown by UH-1Bs	UH-1B Sorties (armed)	UH-1Bs Used (armed)	Mission Nr	Date
7	0	0	0	6	6	1	0	0	0	0	7	16	2	176	26 27 July July
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3	0	0	0	1	8	4	0	0	0	0	6	6	u	180	28 28 28 July July July
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ಚ	1	0	0	N	30	5	0	0	0	0	29	60	5	<b>181</b>	4thf 62
10	0	0	0	0	0	0	0	0	0	0	01	20	N	185	29 July
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6	0	0	0	2	0	0	0	0	20	N	6	91	2	188	Arne IE
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TABLE 3
TABLET ENCACEMENTS
1-31 July 1963

Date		부			25	1	TARGET ENGAGEMENTS 1-31 July 1963 1a ha ha	THE ATT	STARTS	100	9		ष्ठ	<b>b</b>	ष्ठ	03	ত্ত্ব		<u>5</u>
Date		14. July	75 75	16 Jul <b>y</b>	16 81 91	17 Luly	18 Vlut	18 July	19 Jul <b>y</b>	19 July	19 19	19 Jul <b>y</b>	July Line	19 July	F 82	<u> </u>	- I	- 25	23 24 July July
Mission Nr		85T			•	-	163	~ 1		77		핃	169	170	171	172		173	
Landing Zones Protected	s Protected	N	N	₩ W	4	w	4	6	N	<b>0</b> 0	۲	G	G	*	N	٢	1	N	ם
Landing Zones Contested	s Contested	2	0	0	ы	0	0	0	N	<b>F</b>	0	G	0	0	N	P		1	0
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_	Trees & Wood Line I	Ħ	0	0	P	0	5	0	P	H	5	A)	7	5 10	7	r c	<del>. 1</del> .	7	5 8
	Buildings	X	0	O	×	0	Ο	O	0	H	٥	О	H	5	0	H	_		
in: B	Boats	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ठा		
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Insurgent																			
Τ.	RICLO	X	0	0	X	0	0	0	H	×	0	P	7	О	74	×			0
å	Automatic Weapon	×	0	0	H	0		0	0	P	0	×	X	О	X	X	0		
Rounds																	- 1 1		
8.	7.62 m Rocket	200	0	0	<b>8000</b>	0	0	0	400	1150	0	12,700 Ju	).O	0	25, 200 2500	2500		જ	0
- ier-en 44	2.75" Rocket	¥	0	О	2	0	0		4		0	17	Q	þ	153	30		O	
Estimated Insurgent	surgent	F		5						]									
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TABLE 3 (Cont'd)

Date		26 126 127	- 23 E- 23	27 VLUV	28 July	28 July	28 Luly	28 LIV	28	23	29 July	30 Tul	30 Tuly	31 111				
Mission Nr	ľ	176	u i							1		-		188		_		198
Landing 2	Zones Protected	6	4	w	0	۳	5	0	N	2	٦	0	0	2				707
Landing Z	Landing Zones Contested	0	4	0	0	<b>1</b>	5	0	N	N	ב	0	0	N				4
Insurgent	Open Fields	0	X	0	0	0	X	0	X	0	X	0	0	I				<u> </u>
Positions	Trees & Wood Line	0	X	0	X	X	X	X	0	X	0		X	X				36
Detected	Buildings	0	0	0	0	0	0	0	0	0	0	0	0	0				
in:	Boats	0	0	0	0	0	0	0	0	0	0	0	0	0				
Insurgents	s Seen Firing	0	×	0	0	H	×	0	H	0	×	0	0	×				
Insurgent Fires	Fires Only Seen	0	H	0	H	0	H	0	×	0	×	×	X	X				19
Insurgent																		
Pires	Rifle	0	X	0	X	X	X	0	I	o	×	F	x	X I				26
Identified	Automatic Weapon	0	0	0	0	X	X	0	¥	ο	¥	О	X	0				) M
Bounds																		
Expended	7.62 mm Rocket	0	1000	0	0	4800	5400	0	क्रक्ट	1000	9500	1400	6000	1000				245.0
PA CH-TB:	2.75" Rocket	0	6	0	0	79	26	0	33	91	%	4	32	6				1075
Estimated	Estimated Insurgent		_													_	_	
Casualties	•	0	29	0	0	31	49	0	56	76	18	4	73	4	<u> </u>	-	-	703
US Casualties	ties	0	0	0	0	0	0	0	0	0	1	0	1	0				
UH-le Hit/Nr Hite	Ar Hits	0	0	0	5	<del>-</del>	0	0	0	0	5	0	0	¥2		···		14/25

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TABLE 3 (Cont'd)
TARGET ENGAGEMENTS
1-31 July 1963

TABLE 4
GROUND FIRE DAPAGE REPORT SUMMARY
1-31 July 1963

Date acft hit	Acrt alt (ft)	Acft speed (kts)	Nr of passes over same area	Insurgent environment	Clock direction of fire*	Est range of source of fire (meters)	Casual- ties sus- tained	Nr of pro- jec- tiles rec'd
6 July	250	<b>7</b> 0	3	Hill 500 M West of LZ	n	600	1 KIA	1
12 Jul <b>y</b>	20	95	Enroute	Wooded area	3	30	1 WIA	1
14 July	50	100	1 .	Village in wooded area	3	50	0	1
16 July	30	70	1	Wooded area	3	200	0	2
16 July	25	70	2	Tree line	n	100	0	1
20 July	50	90	2	Wooded area	Under Aircraft	20	1 MIY	2
20 July	300	85	2	Village in Wooded area	9	300	0	1
20 July	300	80	4	Village in Wooded area	9	50	0	6
22 Jul <b>y</b>	150	85		Tree line	12	75	0	3
22 Jul <b>y</b>	200	85	2	Tree line	9	100	0	1
23 Jul <b>y</b>	200	90	1	Village in Wooded area	n	100	0	1
28 July	1500	70	1	Unk	12	Unk	0	1
29 Jul <b>y</b>	75	80	3	Tree line	3	200	1 WIA	1
31 July	25	85	1	Cemetery	8	30	0	2
						2		
						TOTALS	1 KIA 3 WIA	14 24

<sup>\*</sup> With reference to nose of helicopter (1200)

# ALTHONITYAY BT-HO i-11. 11. 15. 53

TABLE 5

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85	0	3	0	3	17	8	0	8	19
65	0	4	3	7	13	8	0	8	8
8	0	7	1	8	द्य	8	0	8	21
8	0	4	0	4	76	8	0	8	8
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8	7	π	0	#	6	28	0	8	×
ઇ	w	6	0	6	<b>11</b>	8	0	8	27
75	2	5	0	5	15	8	0	8	2
8	3	<b>6</b>	0	<b>6</b>	ಶ	8	0	8	29
8	N	6	N	•	22	8	0	8	8
8	N	•	0	4	76	8	o	8	31
8	.9	3.03	<b>.</b>	10	16.03	8	0	8	Daily

HE 5 (Cast'd)
AMAILABILITY
31 July 69

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TABLE 6

# ADDIUNTION EXPENDITURE

Dates	15 Cet 1/2.	15 Cct (2 - 30 lune +3	1-31	1-31 <b>July</b> 63	15 Oct - 31 July 63	1 July 63
Types of Assumition	7.62mm	2.75" Rocket	7.62	2.75" Rocket	7.62mm	2.75" Rocket
Rounds Expended	278,190	2,353	1,075 to 00,5th	1,075	423,220	3,428
Gun or Tube Days	3,598	12,977	2,000	7,040	5,598	20,017
Expenditure Rate per Gun or Tube	77	.18	73	91.	76	.17
per Gun per Gun	w	p-4	W	<b>-</b> 4	u	<b>β-4</b>

と The expenditure rate for a given type of ammunition is computed by the formula RE/GID-EE, where RE-number of rounds expended, GID-gun or tube days, and RE-expenditure rate per gun or tube per day of engagement. GID is computed by multiplying the number of days on which ammunition of a given type was expended by the number of guns or tubes which can use that type.

2 The day of supply is determined by dividing the expenditure rate per gun or tube by the number of days in the month (assumed to be 30); where the quotient includes a real time, the next larger whole number is used.

100 Sec. 1

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