

UNCLASSIFIED

Supporting Documents  
6994th Security Squadron History

July-December  
1970



The EC-47 History Site

NOTE: Many pages completely redacted. Removed to reduce file size.

ec47.com



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PRIORITY

280414Z

AUG 70

6994SCTYSQ

USAFSS/DOR

TO: -  
INFO: PACSCTYRGN/DOR

/DO

SUBJ: Provisional Annex I, Techins 1056, 24 Jul 70 (U)

REF: USAFSS DOR 291940Z Jul 70.

We have reviewed subj kprocedures and consider them unrealistic. Major improvements in the timeliness, accuracy and quantity of tech support data contained in the cherry sheets used by the aircrews is essential. General tasking of positions for collection by area can be included in the existing mission control directive (MCD) produced weekly. CMA preparation of CONMSGs for each mission will place an extremely heavy workload upon the CMA and the CONMSGs will be valueless to the aviation units. Cherry sheets will still be required for each mission and must include up-to-date, comprehensive and accurate tech data for the effective ARDF or collection of desired targets. The CONMSGs (which cannot be carried on the acft and do not contain the technical data required) will be superfluous to the aviation units

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AUG

70

1

4641

SMSgt Robbins/cds

JACK BARNES, Lt Colonel, USAF  
Operations Officer



[REDACTED]			SECURITY CLASSIFICATION						
PRECEDENCE		RELEASED BY		DRAFT		[REDACTED]		PHONE	
ACTION PRIORITY		Lt Col Barnes		SMS		[REDACTED]		4641	
INFO									

and would not justify the time and manpower necessary to prepare 8 7  
 them. Air Force units alone fly approx 230 missions per week which  
 would require an estimated 300 CONMSGs, changes and correction  
 messages.

2. In the tactical environment the effectiveness of ARDP or collec-  
 tion efforts depends largely upon the accuracy of the tech data  
 contained in the cherry sheets which permits the aircrew to position  
 the acft on the target schedule close enough to hear or fix the low  
 powered xmtrs, and to identify the desired target primarily by call-  
 signs. Efforts expended to improve the cherry sheets and the data  
 base from which they are prepared will improve effectiveness and  
 provide increased tasking direction toward the field commanders  
 desired end product. CONMSG lists of desired targets case notations  
 will not. Since section three para one charlie required the CMA to ~~provide the~~  
 provide the technical support data it is superfluous for the CMA  
 to prepare a CONMSG. The effort expended on the CONMSGs would be  
 better used if applied to the data base for the technical support  
 data to be used in the cherry sheets. The cherry sheets are effec-  
 tively the vehicle which determines how the mission will be flown  
 and what will be collected during the mission. If changing the name ~~within~~  
 of the cherry sheets to CONMSG would improve it then this change  
 would be worth considering.

CONTROL NO.		TOR/TOD		PAGE NO.		NO. OF PAGES		MESSAGE IDENTIFICATION		INITIALS	
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SECURITY CL [REDACTED]											



ABREVIATE JOINT MESSAGE FORM				CLASSIFICATION	
PRECEDENCE		RELEASED BY	DRAFT	PHONE	
ACTION PRIORITY		Lt Col Barnes	SMSgt Robb. ns	4641	
INFO					
<p>3. The present system has the merits of simplicity and responsive- ness to the current tactical requirements of the airborne direct support operations in SEA. The requirements of tactical field commanders will not be satisfied by the implementation of the pro- posed annex procedures. The proposed <del>new</del> CONMSGs will add a work- load that will detract from the essential tasks of the CMA.</p> <p>4. Subject <del>x</del> annex would generate a multitude of <del>new</del> messages from CMAs <del>will</del> while not improving the end product at all. It will also generate POEPEPS which will be equally valueless. We strongly urge that this provisional annex be rescinded or at least rewritten to utilize the present vehicles; mission control directive (MCD), cherry sheets, and airborne recovery reports to respectively provide general tasking, specific mission tasking and to report deviations and causes along with results.</p>					
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SECURITY CLASSIFICATION					



## JOINT MESSAGEFORM

SECRETARY CLASSIFICATION

TYPE MSG

MULTI SINGLE

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## PRECEDENCE

ACTION ROUTINE

INFO ROUTINE

DTG

190416Z SEP 70

## SPECIAL INSTRUCTIONS

FROM: USA-561

TO: USM-704

INFO: USA-562

USA-563

USA-564

SEPT 70.

SUBJECT: IMPLIMENTATION ANNEX INDIA TECHINS 1056 (U)

REF: DIRNSA B6-540-70, 082336Z SEPT 70.

PRIOR TO IMPLIMENTATION OF SUBJECT ANNEX ON 26 SEPT IAW REF THE FOLLOWING INFORMATION IS REQUIRED.

A. HOW WILL CMA ASSIGN SPECIFIC IAD NUMBERS IN CONMSGS?

AND IAD NUMBERS TO BE TIED TO A SPECIFIC POSITION? IF SO, HOW DOES THE CMA KNOW WHICH ACFT WILL FLY THAT MISSION AND IF A CHANGE IN ACFT OCCURS WHAT ACTION IS REQUIRED? SUGGEST IAD NUMBERS BE OMITTED FROM CONMSG AND THOSE ACTUALLY USED REPORTED TO CMA IN ARR.

B. WILL ADDITIONAL CONMSG BE PROVIDED OR WILL ORIGINAL

CONMSG ALLOW FOR SWITCHING ACFT TYPES FROM CCZ TO CC OR REVERSE WITH ACC APPROVAL? IF ACC APPROVES SWITCH WILL ACC SUBMIT PORREP?

DATE	TIME
18	1300
MONTH	YEAR
SEPT	1970
PAGE NO.	NO. OF PAGES
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DRAFTER	TYPED NAME AND TITLE	PHONE	SIGNATURE
	SMSGT ROBBINS/gdw	4647	Ejm
SECURITY	TYPED (or stamped) NAME AND TITLE		
	EDWARD J. MILLER, Capt, USAF OTC, Mission Management		



ABBREVIATED MESSAGEFORM and/or CONTINUATION SHEET		SECRET	ION
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ACTION ROUTINE	CAPT MILLER	SMSGT ROBBINS/gdw	4641
INFO			

C. IF DIVERSION IS REQUIRED AND AUTHORIZED BY ACC WILL DIVERSIONS BE CONSIDERED COVER ADJUSTMENTS AND WILL ACC SUBMIT POEREP TO CMA?

D. SUGGEST CMA INCLUDE VCXX SCH ON ALL CONMSG'S FOR ALL POSITIONS INCLUDING ARDP.

M/R [REDACTED]: NSA msg requires implimentation of Annex I, T1056 on 26 Sept 70. On that date CONMSG's will be produced by CMA's which include position IAD numbers. The method that CONMSG are proposed will effect our operation and various changes such as switching ACPT or diversions to other areas require submission of POEREP. We query ACC to determiné responsibility for these reports and also suggest omitting IAD numbers and inclusion of VCXX Sch and all position (to reduce number of POEREPS) we would have to submit.  
SMSGT ROBBINS/DORM/4641

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JOINT MESSAGEFORM				RESERVED FOR COMMUNICATION CENTER	
SECURITY CLASS		[REDACTED]			
TYPE MSG	BOOK	MULTI	SINGLE		
		X			
PRECEDENCE					
ACTION		PRIORITY			
INFO		DTG 170900Z Nov 70			
<p>FROM: 6994 CTY SQ, TAN SON NHUT AB, RVN</p> <p>TO: PACSCTYRGN (DOR)</p> <p>INFO: DET 1, 6994 SCTY SQ</p> <p>DET 2, 6994 SCTY SQ</p> <p>DET 3, 6994 SCTY SQ</p> <p>[REDACTED] DORM</p> <p>SUBJ: PROVISIONAL ANNEX INDIA T1056/SEA</p> <p>REF UR DOR 110233Z NOV 70.</p> <p>THIS MSG IN THREE PARTS.</p> <p>PART ONE: OVERVIEW.</p> <p>THE OPERATIONAL IMPACT OF ANNEX INDIA HAS BEEN TO LEVY UPON THE CMAS AND AVIATION UNITS A TASK WHICH DOES NOT, AS A RULE, CONTRIBUTE SIGNIFICANTLY TO THE OVERALL ACCOMPLISHMENT OF THE MISSION. THE MAJORITY OF THE MISSIONS FLOWN ARE PRIMARY AND WITH COLLECTION AS A SECONDARY FUNCTION. OUR CONSUMERS MEASURE THE RESULTS OF A MISSION BY THE NUMBER OF FIXES/CUTS OBTAINED ON MACV</p>				<p>SPECIAL INSTRUCTIONS</p> <p>[REDACTED]</p>	
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D R A F T E R	TYPED NAME AND TITLE		PHONE	SIGNATURE	
	Captain Sayles/pb		4894	[REDACTED]	
	TYPED (or stamped) NAME AND TITLE		JACK BARNES, Lt Col, USAF		
SECURITY CLASS [REDACTED]					

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FORM

NOV 65 173

REPLACES EDITION OF 1 MAY 55 WHICH MAY BE USED.

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ABBREVIATED J T MESSAGEFORM  
and/or CONTINUATION SHEET

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION PRIORITY	Lt Col Barnes	Captain Sayles	4891
INFO			

PRIORITIES AND HOW THEY CONTRIBUTED TO LOCATING ENEMY TARGETS WITHIN THEIR SPECIFIC AREAS; AND NOT BY HOW SUCCESSFUL A MISSION WAS IN INTERCEPTING CONMSG TASKED TARGETS. GENERALLY, CONMSG'S HAVE NOT BEEN RELIABLE, TIMELY IN RECEIPT, NOR HAVE THEY BEEN OF ANY MANAGEMENT VALUE TO THE AVIATION UNITS EITHER ABOARD THE AIRCRAFT OR ON THE GROUND. TWO ITEMS WHICH COULD CONTRIBUTE IMMEASURABLY TO THE SUCCESS OF EACH MISSION WOULD BE TO UTILIZE THE TIME EXPENDED PREPARING CONMSG'S TO IMPROVE THE ACCURACY AND QUALITY OF CHERRY SHEETS, AND ADDITIONALLY TO ALLOW THE AVIATION UNITS TO CARRY THE V65 BRAVO CALLSIGN LISTING ABOARD MISSION AIRCRAFT.

PART TWO: COMMENTS: (REF SECTION TWO OF PSR MSG)

A. AVIATION UNITS

1. CONMSG'S HAVE GENERALLY DEFINED THE SPECIFIC SIGNIT TASK TO BE ACCOMPLISHED. HOWEVER, THE AVIATION UNIT DOES NOT GENERATE MISSION TECH SUPPORT DATA FOR AIRCREWS. IT ONLY INSURES THAT THE AIRCREWS HAVE AVAILABLE THAT TECH SUPPORT PROVIDED BY THE CMA. CONTRARY TO GROUND OPERATIONS, AVIATION UNITS DO NOT HAVE AN ANALYTICAL SECTION DEDICATED TO

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ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

PRECEDENCE		RELEASED BY	DRAFTED BY	PHONE
ACTION	PRIORITY	Lt Col Barnes	Captain Sayles	4891
INFO				

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SUPPLEMENTING NORMAL TASKING INSTRUCTIONS WITH UP-TO-DATE TECHNICAL INFORMATION, BUT MUST RELY UPON THE CMA TO PROVIDE THIS SUPPORT. THOSE ANALYTICAL ACCOMPLISHMENTS REPORTED THUS FAR BY AVIATION UNITS ARE MOSTLY INDIVIDUAL EFFORTS RATHER THAN A MISSION DIRECTED EFFORT. IMPROVEMENT COULD BE ACCOMPLISHED BY RESOLVING TASKING PRIORITIES IN FAVOR OF THE MACV PRIORITY LISTING.

2. GENERALLY, WE HAVE BEEN ABLE TO RELY UPON THE CONMSG AS A STATEMENT OF TASKS BECAUSE THE ARDF POSITION CONMSG IS NORMALLY NOTHING MORE THAN THE TARGETS ASSIGNED AFTER PRODUCTION OF THE CHERRY SHEET. FOR COLLECTION POSITIONS, CONMSG'S USUALLY INCLUDE A BRIEF SECTION FOR EXPANDING TARGET REMARKS (E.G., TIP OFF TO DF), BUT THE MISSION IS USUALLY VCI/VCM SCH/DEV. ONLY RECENTLY HAVE SPECIFIC CASES/ RD'S BEEN ASSIGNED TO COLLECTION POSITIONS.

3. IMPLEMENTATION OF ANNEX INDIA HAS NOT IMPROVED THE TECH SUPPORT DATA AVAILABLE TO AIRCREWS TO GUIDE THE MISSION POSITIONS ACCORDING TO THE STATED TASKS. THE PRIMARY TECH DATA SOURCE AVAILABLE TO AIRCREWS HAS BEEN THE CHERRY SHEET, AND FROM THIS DATA, THE MISSION COURSE IS FLOWN

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ACTION INFO	PRIORITY Lt Col Barnes	Captain Bayles	4891

TO ENSURE THAT THE AIRCRAFT IS POSITIONED CORRECTLY AT THE SCHEDULED TIME. PRIOR TO IMPLEMENTATION OF ANNEX INDIA, THE RELIABILITY OF CHERRY SHEETS WAS LESS THAN FIVE PERCENT. HOWEVER, FOR THE MAJORITY OF THE PERIOD SINCE IMPLEMENTATION WE HAVE BEEN INVOLVED IN AN ARDF TECH SUPPORT TEST WHERE A CONCERTED EFFORT HAS BEEN MADE TO IMPROVE THE VALIDITY OF THE CHERRY SHEETS. VALIDITY IS NOW VARYING BETWEEN TWO TO TEN PERCENT. SIGNIFICANT MISSION IMPROVEMENT CAN BE REALIZED BY AUTHORIZING THE V65 BRAVO CALLSIGN LISTING<sup>70</sup> BE CARRIED ABOARD AIRCRAFT. THIS LIST IS ESSENTIAL AND THE KEY TO INCREASED ANALYTICAL CAPABILITY AS IT WOULD ALLOW THE ANALYST TO NOT ONLY IDENTIFY CALLSIGNS TO BOOK PAIRS BUT <sup>ALSO</sup> DISTINGUISH HIGH LEVEL FROM LOW LEVEL TARGETS. OF EQUAL IMPORTANCE IS THE VALIDITY OF THE CHERRY SHEET. IF IT COULD BE IMPROVED TO ABOVE FIFTY PERCENT RELIABILITY MORE AND VARIED TARGETS COULD BE ADDED TO IT AND SUBSEQUENTLY ID'D DURING THE SAME TIME PERIOD. HOWEVER, BECAUSE OF CHERRY SHEET LIMITATIONS THE MAJORITY OF THE IDENTIFIED TARGETS WHICH ARE FIXED ARE OBTAINED BY LUCK.

4. QUESTION: HAS THE VARYING OF TARGET SEQUENCE WITHIN

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ABBREVIATED UNIT MESSAGEFORM  
and/or CONTINUATION SHEET

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION PRIORITY	Lt Col Barnes	Captain Sayles	4891
INFO			

MACV PRIORITY RESULTED IN FLEXIBILITY OF FLIGHT ROUTE  
PLANNING, AND MEETING OF MORE REQUIREMENTS? IF NO, WHY  
NOT? BELIEVE THE QUESTION RELATES TO THE ARDF TECH TEST,  
WITH THE CONCERTED EFFORT MADE DURING THIS TEST AN INCREASE  
IN VALIDITY OF CHERRY SHEETS WAS FROM TWO TO TEN PERCENT.  
HOWEVER, THE QUESTION IS SO VAGUE THAT SPECIFIC INTENT OF  
QUESTION IS NOT CLEAR.

B. AVIATION UNITS AND CMA'S:

1. THE ADS COMMSG'S HAVE NOT RPT NOT IMPROVED MISSION  
MANAGEMENT TO ANY APPRECIABLE DEGREE. IT HAS IN MOST IN-  
STANCES HAMPERED MANAGEMENT. INFO INCLUDED IN COMMSG IS  
MOSTLY DUPLICATION OF OTHER EFFORTS AND REQUIRES CONSTANT  
RECHECKING. THIS IS ESPECIALLY TRUE OF ASSIGNMENTS TO  
ARDF POSITION, DATA RELATING TO FRAG POINT, ITOT'S, NUMBER  
OF SORTIES, DATES OF MISSIONS, AND EVEN TARGET DATA, WHICH  
OBTAINED BY OTHER MEANS. THE MAJORITY OF THIS INFORMATION  
IS PROVIDED BY MACV AND IS TIMELY. COMMSG'S MAY OR MAY NOT  
BE RECEIVED PRIOR TO ACTUAL MISSION LAUNCH, AND IN MANY  
INSTANCES THE COMMSG WILL NOT AGREE WITH THE MACV TASKING.  
THEREFORE, IT CANNOT BE COUNTED ON AS RELIABLE INFORMATION.

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ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

PRECEDENCE		RELEASED BY	DRAFTED BY	PHONE
ACTION PRIORITY		Lt Col Barnes	Captain Sayles	4891
INFO				

THE ONLY PORTION OF THE COMMSG THAT HAS VALUE IS THE TASKING OF COLLECTION RESOURCES. IN THIS RESPECT THERE IS GENERALLY NO OTHER SOURCE OF INFORMATION AVAILABLE SO THAT TASKING IS ASSUMED CORRECT AS THERE IS NO METHOD OF CROSS REFERENCE. IN MANY INSTANCES DUE TO TEMPORARY CHANGES IN SCHEDULE, NON-AVAILABILITY OF AIRCRAFT, ETC., CC MISSIONS HAVE BEEN CHANGED TO ZULU WITH NO TASKING RECEIVED EITHER PRIOR TO OR AFTER LAUNCH. IN CHECKING WITH CMA'S IT WAS FOUND THAT THEY WERE NOT PROVIDING ANY COMMSG'S ON TASKING ADJUSTMENTS OF LESS THAN 72 HOURS DURATION. CONSEQUENTLY, FOR EVERY CHANGE IN SCHEDULES THAT DID NOT ALLOW THREE DAYS NOTICE, NO COMMSG WAS ISSUED, THIS HAS SINCE BEEN RECTIFIED. THIS ALSO ADDED TO THE UNRELIABILITY OF COMMSG CONTENT.

2. COMMSG TASKING HAS NOT YET PROVIDED THE CAPABILITY TO BETTER MEASURE MISSION RESULTS. TO ENABLE MANAGEMENT PERSONNEL TO EVALUATE MISSION EFFECTIVENESS WISELY AND ACCURATELY A DATA BASE MUST BE ESTABLISHED. ON GROUND SITES THIS DATA BASE IS NORMALLY AVAILABLE TO SOME DEGREE, IF NOT, THE TASKING IS NORMALLY OF SUFFICIENT LENGTH THAT A DATA BASE CAN BE ESTABLISHED. HOWEVER, UNDER THE PRESENT ARMY TASKING

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ABBREVIATED JOINT MESSAGEFORM  
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PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION PRIORITY	Lt Col Barnes	Captain Sayles	4891
INFO			

SYSTEM IT IS IMPOSSIBLE TO EVALUATE MISSION RESULTS EXCEPT ON A WEEKLY BASIS, AS THAT MIGHT BE THE ONLY SERIES OF MISSIONS FLOWN. THE PRIMARY MEASUREMENT OF A MISSION IS MADE BY OUR CONSUMERS WHO ARE INTERESTED IN THE NUMBER OF FIXES/CUTS/EXPLOITABLE MESSAGES THAT WERE OBTAINED FROM TARGETS WITHIN THE FRAGGED AREA. HOWEVER, EVEN THIS STATISTIC IS UNSTABLE BECAUSE WHEN COMBAT OPERATIONS ARE UNDERWAY IN AN AREA THE TARGETS MOVE OUT TO ANOTHER AREA. NORMALLY, THIS RESULTS IN NEW FRAG AREAS BEING ESTABLISHED TO KEEP AHEAD OF THE TARGETS. FURTHERMORE, TO PROVIDE MEASURE OF A POSITION OR CASE YOU MUST HAVE A CONSTANT SOURCE OF INFORMATION. NORMALLY THIS IS OBTAINED FROM PTAR'S, ICAR'S, ETC., BUT, NONE OF THESE REPORTS ARE ISSUED BY 6994 UNITS. THE ONLY SOURCE AVAILABLE IS THE ARR'S WHICH REFLECT ONLY X POSITION ACCOMPLISHMENTS AND LUMP THE COLLECTION ~~INFORMATION~~ INFO INTO ONE ENTRY EACH FOR MORSE AND VOICE COPY. ALSO THE IAD'S WHICH ARE INCLUDED ON THE CONSEC'S ARE NOT USED EXCEPT IN TWO PLACES. THE FIRST ON THE CONSEC ITSELF, AND SECONDLY IN THE 011/012 LINES OF THE DUMIS. SOME UNITS WHICH HAVE RELATIVELY

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SEC. [REDACTED]

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ACTION	PRIORITY	Lt Col Barnes	Captain Sayles	4891
INFO				

STABLE IAD'S (PDME) USE THEM ON THE PSR'S. TSN IS UNABLE TO DO SO BECAUSE IAD'S CHANGE WEEKLY AND SOMETIMES DAILY. THE IPD IS THE ONLY NOTATION USED REGULARLY IN THE AMR AND ON TRAFFIC. RECOMMENDATIONS WHICH WOULD PERHAPS PROVIDE ORDER, WOULD BE TO INCREASE THE ACCURACY OF THE CHERRY SHEETS, ALLOW THE ANALYST TO CARRY THE V65 AID ABOARD THE AIRCRAFT AND ASSIGN VC SCH TO ALL COLLECTION POSITIONS. THE ANALYST WITH HIS AID WOULD PROVIDE GUIDANCE FOR THE COLLECTION POSITIONS ON A CONTINUING BASIS AND THE IMPROVED CHERRY SHEET WOULD MORE EFFECTIVELY DIRECT THE ARDP OPERATOR.

3. COMISGS, HAVE NOT PROVED A BURDEN OR HAD AN ADVERSE IMPACT UPON COMM FACILITIES.

4. ALTERNATE ASSIGNMENTS BY ADS MISSIONS HAVE NOT THUS FAR PROVIDED ANY SIGNIFICANT RESULTS IN MEETING MORE INTELLIGENCE REQUIREMENTS. ALTERNATE ASSIGNMENTS ARE NORMALLY PROVIDED TO GROUND SITES TO INCREASE EFFECTIVENESS DURING PERIODS OF TARGET INACTIVITY. THE ASSIGNMENT OF ALTERNATE IAD'S TO AIRBORNE COLLECTION/ARDP POSITIONS SERVES NO USEFUL PURPOSE. IF THE CHERRY SHEETS WERE MORE

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ABBREVIATED JC MESSAGEFORM  
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CLASSIFICATION

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION	Lt Col Barnes	Captain Sayles	4891
INFO			

ACCURATE AND THE COLLECTION OBJECTIVES BETTER DEFINED,  
ALTERNATE IAD'S WOULD NOT BE REQUIRED. THE PRIMARY ASSIGN-  
MENT TO COLLECTION POSITIONS OF WCX/VCM SCH WITH ANALYTICAL  
GUIDANCE WOULD PROVE MORE EFFECTIVE THAN THE ASSIGNMENT  
OF ALTERNATE ASSIGNMENT.

PART THREE: RECOMMENDATIONS.

THE ARDP PROGRAM IS BASED ON FLEXIBILITY OF ASSIGNMENT AND  
THE ABILITY TO PROVIDE ARDP CAPABILITY TO A GIVEN AREA AT A  
MOMENT'S NOTICE. THE IMPLEMENTATION OF THE ADS COMMSG HAS  
ATTEMPTED TO LESSON THE FLEXIBILITY OF ASSIGNMENT, AND ~~WE~~  
~~WOULD TO SOME EXTENT~~ IF COMMSG TASKING <sup>WERE</sup> PERFORMED AS TASKED, IT  
~~WAS~~ LIMITED OUR CAPABILITY TO COLLECT. OUR PRIMARY CONSUMER  
IS MACV AND THE AREA COMMANDERS; ANY SYSTEM WHICH ATTEMPTS  
TO LIMIT OUR ABILITY TO RESPOND TO THEIR REQUIREMENTS SHOULD  
BE SERIOUSLY REVIEWED. IN SUMMARY, RECOMMEND THAT ANNEX  
INDIA BE SUSPENDED UNTIL A MORE USABLE SYSTEM <sup>BE</sup> DEvised.

HOWEVER, IF THAT IS NOT POSSIBLE, RECOMMEND THAT THE PRESENT  
PROCEDURES OF TASKING THE X POSITION BY COMMSG BE TERMINATED  
AS IT USUALLY CONTAINS LESS GUIDANCE THAN THE CHERRY SHEET.  
ALSO RECOMMEND THAT COLLECTION POSITIONS BE TASKED BY MACV

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ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

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PRECEDENCE		RELEASED BY Lt Col Barnes	DRAFTED BY Captain Sayles	PHONE 4891
ACTION	PRIORITY			
INFO				

AREA VICE INDIVIDUAL MISSION AREA, AS IS THE PRESENT  
CASE. IN THIS WAY A SOMEWHAT LIMITED EVALUATION <sup>OF</sup> ~~WOULD~~  
~~BE POSSIBLE~~ <sup>EFFECTIVENESS WOULD BE POSSIBLE</sup>  
~~IN-CONDUCTED~~ COLLECTION ~~PROGRAMS BY~~ <sup>PERSONNEL</sup>  
~~PERSONNEL~~.

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SECTION ONE OF TWO DOR  
SUBJ: PROVISIONAL ANNEX I, TECHINS 1056 (U)  
REFS: A. DIRNSA MSG B6-665-70, 092230Z NOV 70.  
B. USAFSS DOR MSG 102025Z NOV 70.

1. THE FOLLOWING IS A CONSOLIDATED RESPONSE TO REF ALFA AND IS BEING FORWARDED AS PER INSTRUCTIONS CONTAINED IN REF BRAVO PARA TWO. THIS MSG IN THREE PARTS.

PART ONE: OVERVIEW.

THE OPERATIONAL IMPACT OF ANNEX INDIA HAS BEEN TO LEVY UPON THE GNAS AND AVIATION UNITS A TASK WHICH DOES NOT, AS A RULE, CONTRIBUTE SIGNIFICANTLY TO THE OVERALL ACCOMPLISHMENT OF THE MISSION. THE MAJORITY OF TH MISSIONS FLOWN ARE PRIMARY ARDF WITH COLLECTION AS A SECONDARY FUNCTION. OUR CONSUMERS MEASURE THE RESULTS OF A MISSION BY THE NUMBER OF FIXES/CUTS OBTAINED ON MACV PRIORITIES AND HOW THEY CONTRIBUTE TO LOCATING ENEMY TARGETS WITHIN THEIR SPECIFIC AREAS; AND NOT BY HOW SUCCESSFUL A MISSION WAS IN INTERCEPTING CONMSG TASKED TARGETS. GENERALLY, CONMSG'S HAVE NOT BEEN RELIABLE, TIMELY IN RECEIPT, OR HAVE THES BEEN OF ANY KNOWN MANAGEMENT VALUE TO HE AVIATION UNITS EITHER ABOARD THE AIRCRAFT OR ON THE GROUND. TWO ITEMS WHICH COULD CONTRIBUTE IMMEASURABLY TO THE SUCCESS OF EACH MISSION WOULD BE TO UTILIZE THE TIM EXPENDED PREPARING CONMSG'S TO IMPROVE THE ACCURACY AND QUALITY OF CHERRY SHEETS, AND ADDITIONALLY TO ALLOW THE AVIATION UNITS TO CARRY THE V65 BRAVO CALLSIGN LISTING ABOARD MISSION AIRCRAFT.

PART TWO: COMMENTS:

A. AVIATION UNITS.

1. CONMSG'S HAVE GENERALLY DEFINED THE SPECIFIC SIGINT TASK TO BE ACCOMPLISHED. HOWEVER, SINCE ALL AVIATION UNITS DO NOT HAVE AN ANALYTICAL SECTION DEDICATED TO SUPPLEMENTING NORMAL TASKING INSTRUCTIONS WITH UP-TO-DATE TECHNICAL INFORMATION, THEY MUST CURRENTLY RELY UPON THE CMA TO PROVIDE THIS SUPPORT. THOSE ANALYTICAL ACCOMPLISHMENTS REPORTED THUS FAR BY USAF AVIATION UNITS ARE THE RESULTS OF CNCERTED EFFORTS TO DEVELOP A MISSION TECH SUPPORT CAPABILITY. OVERALL IMPROVEMENT COULD BE ACCOMPLISHED BY RESOLVING TASKING PRIORITIES IN FAVOR OF THE MACV PRIORITY LISTING.

2. GENERALLY, THE ADS SIT CONMSG HAS BEEN UNRELIABLE AS A STATEMENT OF TASKS BECAUSE THE ARDF POSITION CONMSG IS NORMALLY NOTHING MORE THAN THE TARGETS ASSIGNED AFTER PRODUCTION OF THE CHERRY SHEET. FOR COLLECTION POSITIONS, CONMSG'S USUALLY INCLUDE A BRIEF SECTION FOR EXPANDINING TARGET REMARKS (E.G., TIP OFF TO DF), BUT THE MISSION IS USUALLY VOX/VCM SCH/DEV. ONLY RECENTLY HAVE SPECIFIC CASES/RO'S BEEN ASSIGNED TO COLLECTION POSITIONS.



3. IMPLEMENTATION OF ANNEX INDIA HAS NOT IMPROVED THE TECH SUPPORT DATA AVAILABLE TO AIRCREWS TO GUIDE THE MISSION POSITIONS ACCORDING TO THE STATED TASKS. THE PRIMARY TECH DATA SOURCE AVAILABLE TO AIRCREWS HAS BEEN THE ARDF CHERRY SHEET, AND FROM THIS DATA, THE MISSION COURSE IS FLOWN TO ENSURE THAT THE AIRCRAFT IS POSITIONED CORRECTLY AT THE SCHEDULED TIME. PRIOR TO IMPLEMENTATION OF ANNEX INDIA, THE RELIABILITY OF CHERRY SHEETS WAS LESS THAN FIVE PERCENT. HOWEVER, FOR THE MAJORITY OF THE PERIOD SINCE IMPLEMENTATION OUR UNITS HAVE BEEN INVOLVED IN AN ARDF TECH SUPPORT TEST WHERE A CONCERTED EFFORT HAS BEEN MADE TO IMPROVE THE VALIDITY OF THE CHERRY SHEETS. VALIDITY IS NOW VARYING BETWEEN TWO TO TEN PERCENT. SIGNIFICANT MISSION IMPROVEMENT CAN BE REALIZED BY AUTHORIZING THE V65 BRAVO CALLSIGN LISTING TO BE CARRIED ABOARD AIRCRAFT. THIS LIST IS ESSENTIAL AND THE KEY TO INCREASED ANALYTICAL CAPABILITY AS IT WOULD ALLOW THE ANALYST TO IDENTIFY CALLSIGNS TO BOOK PAIRS AND THEREBY DISTINGUISH HIGH LEVEL FROM LOW LEVEL TARGETS. OF EQUAL IMPORTANCE IS THE VALIDITY OF THE CHERRY SHEET. BECAUSE OF CHERRY SHEET LIMITATIONS THE MAJORITY OF THE IDENTIFIED TARGETS WHICH ARE FIXED ARE OBTAINED BY LUCK.

4. QUESTION: HAS THE VARYING OF TARGET SEQUENCE WITHIN MACV PRIORITY RESULTED IN FLEXIBILITY OF FLIGHT ROUTE PLANNING, AND MEETING OF MORE REQUIREMENTS? IF NO, WHY NOT? BELIEVE THIS QUESTION RELATES TO THE ARDF TECH TEST, WHICH, WITH THE CONCERTED EFFORT MADE DURING THIS TEST, RESULTED IN AN ESTIMATED VALIDITY OF CHERRY SHEETS OF FROM TWO TO TEN PERCENT.

B. AVIATION UNITSS AND CMA'S:

1. THE ADS CONMSG'S HAVE NOT CP NOT IMPROVED MISSION MANAGEMENT TO ANY APPRECIABLE DEGREE. THEY HAVE IN MOST INSTANCES HAMPERED MANAGEMENT. INFO INCLUDED IN CONMSG IS MOSTLY DUPLICATION OF OTHER EFFORTS AND REQUIRES CONSTANT RECHECKING. THIS IS ESPECIALLY TRUE OF ASSIGNMENTS TO ARDF POSITION, DATA RELATING TO FRAG POINT, ITOT'S, NUMBER OF SORTIES, DATES OF MISSIONS, AND EVEN TARGET DATA WHICH ARE OBTAINED BY OTHER MEANS. THE MAJORITY OF THIS INFORMATION IS PROVIDED BY MACCV AND IS TIMELY. CONMSG'S MAY OR MAY NOT BE RECEIVED PRIOR TO ACTUAL MISSION LAUNCH, AND IN MANY INSTANCES THE CONMSG WILL NOT AGREE WITH THE MACV TASKING. THEREFORE, IT CANNOT BE COUNTED ON AS RELIABLE INFORMATION. THE ONLY PORTION OF THE CONMSG CONCEPT THAT IS INDISPUTABLE IS THE TASKING OF COLLECTION RESOURCES, I.E., THERE IS GENERALLY NO OTHER SOURCE OF INFORMATION AVAILABLE FOR CROSS REFERENCING. IN MANY INSTANCES DUE TO TEMPORARY CHANGES IN SCHEDULE, NON-AVAILABILITY OF AIRCRAFT, ETC., CC MISSIONS HAVE BEEN CHANGED TO ZULU WITH NO TASKING RECEIVED EITHER PRIOR TO OR AFTER LAUNCH. IN CHECKING WITH CMA'S IT WAS FOUND THAT THEY WERE NOT PROVIDING ANY CONMSG'S ON TASKING ADJUSTMENTS OF LESS THAN 72 HOURS DURATION. CONSEQUENTLY, FOR EVERY CHANGE IN SCHEDULES THAT DID NOT ALLOW THREE DAYS NOTICE, NO CONMSG WAS ISSUED. THIS HAS SINCE BEEN RECTIFIED BUT ALSO ADDED TO THE UNRELIABILITY OF CONMSG CONTSNT.

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*[Handwritten signature]*

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DE YHLAKZ 0017 3050111

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FM PACSCHYRGN

TO USAFSS/DOR

INFO 6994SS

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DORM

FINAL SECTION OF TWO DOR

3. COMMSG TASKING HAS NOT YET PROVIDED THE CAPABILITY TO BETTER MEASURE MISSION RESULTS. TO ENABLE MANAGEMENT PERSONNEL TO EVALUATE MISSION EFFECTIVENESS WISELY AND ACCURATELY A DATA BASE MUST BE ESTABLISHED. ON GROUND SITES THIS DATA BASE IS NORMALLY AVAILABLE TO SOME DEGREE. IF NOT, THE TASKING IS NORMALLY OF SUFFICIENT LENGTH THAT A DATABASE CAN BE ESTABLISHED. HOWEVER, UNDER THE PRESENT ARDF TASKING SYSTEM IT IS IMPOSSIBLE TO EVALUATE MISSION RESULTS EXCEPT ON A WEEKLY BASIS, AS THAT MIGHT BE THE ONLY SERIES OF MISSIONS FLOWN. THE PRIMARY MEASUREMENT OF A MISSION IS MADE BY OUR CONSUMERS WHO ARE INTERESTED IN THE NUMBER OF FIXES/OUTS/EXPLOITABLE MESSAGES THAT WERE OBTAINED FROM TARGETS WITHIN THE FRAGGED AREA. HOWEVER, EVEN THIS STATISTIC IS UNSTABLE BECAUSE WHEN COMBAT OPERATIONS ARE UNDERWAY IN AN AREA THE TARGETS MOVE OUT TO ANOTHER AREA. NORMALLY, THIS RESULTS IN NEW FRAG AREAS BEING ESTABLISHED TO KEEP ABREAST OF THE TARGETS. FURTHERMORE, A CONSTANT SOURCE OF INFORMATION IS REQUIRED TO PROVIDE MEASURE OF A POSITION OR CASE. NOW ALLY THIS IS OBTAINED FROM PTAP'S, ICAR'S, ETC., BUT, NONE OF THESE REPORTS ARE ISSUED BY 6994 UNITS.

4. COMMSG'S HAVE NOT PROVED A BURDEN OR HAD AN ADVERSE IMPACT UPON COMM FACILITIES.

5. ALTERNATE ASSIGNMENTS BY ADS MISSIONS HAVE NOT THUS FAR PROVIDED ANY SIGNIFICANT RESULTS IN MEETING MORE INTELLIGENCE REQUIREMENTS. ALTERNATE ASSIGNMENTS ARE NORMALLY PROVIDED TO GROUND SITES TO INCREASE EFFECTIVENESS DURING PERIODS OF TARGET INACTIVITY WITHIN THE ASSIGNED AREA OF ALTERNATE IAD'S TO AIRBORNE COLTENT TTHARDF POSITIONS SERVES NO USEFUL PURPOSE. IF THE CHERRY SHEETS WERE MORE ACCURATE AND EXTENSIVE, AND THE COLLECTION OBJECTIVES BETTER DEFINED, ALTERNATE IAD'S WOULD NOT BE REQUIRED. THE PRIMARY ASSIGNMENT TO COLLECTION POSITIONS OF VOX/VOX SCH WITH ANALYTICAL GUIDANCE WOULD PROVE MORE EFFECTIVE THAN DESIGNATING AN ALTERNATE ASSIGNMENT.

PART THREE: RECOMMENDATIONS.

THE ARDF PROGRAM IS BASED ON FLEXIBILITY OF ASSIGNMENT AND THE ABILITY TO PROVIDE ARDF CAPABILITY TO A GIVEN AREA AT A MOMENTS NOTICE. THE IMPLEMENTATION OF THE ADS COMMSG HAS LESSONED THE FLEXIBILITY OF ASSIGNMENT AND IF COMMSG TASKING WERE PERFORMED AS TASKED, IT WOULD TO SOME DEGREE, LIMIT THE CAP-



SIBILITY TO EFFICIENTLY PERFORM THE ARDF MISSION. SINCE THE PRIMARY CONSUMER OF OUR PRODUCT IS MACV AND THE AREA COMMANDERS, ANY SYSTEM WHICH ATTEMPTS TO LIMIT OUR ABILITY TO RESPOND TO THEIR ARDF REQUIREMENTS SHOULD BE SERIOUSLY REVIEWED. RECOMMEND THE PRESENT PROCEDURE OF TASKING THE "X" POSITION BY CONMSG BE TERMINATED AS IT USUALLY CONTAINS LESS GUIDANCE THAN THE CHERRY SHEET. IN SUMMARY, IT APPEARS THE TEST PERIOD THUS FAR HAS REGRETFULLY DEGENERATED INTO THE FOREWARNED PAPER EXERCISE DUE TO LACK OF FULL PARTICIPATION BY ALCOR. THEREFORE, IF WE ARE TO MAKE THIS AN EFFECTIVE PROGRAM, SEVERAL CHANGES MUST BE MADE TO ALLOW FOR FLEXIBILITY IN ARDF COVERAGE AND MORE SPECIFIC TASKING AND/OR TASKING REMARKS FOR THE COLLECTION POSITIONS. ABOVE ALL, WE FEEL THE KEY TO THE SUCCESS OF ANNEX INDIA IS THE AMOUNT OF EFFORT EXPENDED BY THE CMA'S. IN THE AREA OF COLLECTION, FEEL WE SHOULD PRESS FOR MORE SPECIFIC TASKING FROM THE CMA'S WITH APPROPRIATE UP-TO-DATE TECH SUPPORT OR, COMPLETE THE PRESENT CONCEPT FOR THE CMA'S. ALTHOUGH THE CMA'S HAVE BEEN DELEGATED THE RESPONSIBILITY OF SUPPORTING THE ADS PROGRAM, ARMY PERSONNEL ACTIONS HAVE HISTORICALLY BEEN A MISS IN ENSURING ADEQUATE NUMBER OF EXPERIENCED PERSONS ARE ASSIGNED TO PERFORM THESE DEMANDING TASKS. TIME FACTORS INVOLVED IN BUILDING EFFECTIVE CMA'S PRECLUDE FULL IMPLEMENTATION OF ANNEX INDIA AT THIS TIME AND CONSEQUENTLY, WE DESIRED SPECIFIC TASKING FOR COLLECTION FROM THE CMA'S. WE VERY WELL TAKE THE FORM OF VC SEARCH. GENERIC TASKING THIS NATURE WOULD NOT BE ADVANTAGEOUS OR SUCCESSFUL WITHOUT SPECIFIC TASKING FOR AND AUTHORIZATION TO USE THE V653 CALLSIGN STING WHICH HAS PROVEN ITS VALUE AS AN AID TO ARDF AND COLLECTION. AS FAR AS ARDF ITSELF IS CONCERNED, BELIEVE THAT THE WE HAVE COME TO CONSIDER THE ASSUMPTION OF THE PRESENT TECH SUPPORT FUNCTIONS BY PROVIDING OUR OWN DIRECTION IN THIS AREA BASED ON MACV AND AREA COMMANDER REQUIREMENTS. BELIEVE OUR RESPONSE TO DIRNSA SHOULD FULLY EXPLAIN AND STRONGLY EMPHASIZE OUR ANALYTICAL AUGMENTATION OF NSA/CMA PRODUCED TECH SUPPORT. ALTHOUGH OUR EFFORT IS RELATIVELY LIMITED WITHIN AVAILABLE RESOURCES, IT HAS BEEN RECOGNIZED BY USAFSS MANAGERS, CMA ANALYSTS, AND NSA REPS AS A SUCCESSFUL AND NECESSARY PROGRAM WHICH HAS SIGNIFICANTLY IMPROVED MISSION PERFORMANCE AND THE QUALITY OF OUR PRODUCT. FORMAL NSA RECOGNITION, SUPPORT, AND TASKING OF OUR GROUND AND AIRBORNE ANALYSIS PROGRAM WOULD ENHANCE OUR CAPABILITY TO FULFILL THE REQUIREMENTS OF ANNEX INDIA FOR MORE MEANINGFUL AND COMPLETE TECH SUPPORT. CANNOT FULLY ANTICIPATE MAGNITUDE OF TASK ASSUMPTION; HOWEVER, CONSIDERING THE SMALL NUMBER OF CMA PERS ASSIGNED TO PRODUCE THE PRESENT CHERRY SHEETS, FEEL THE TASKS CAN BE ACCOMPLISHED WITHIN OUR PRESENT MANPOWER RESOURCES. CONTINGENT UPON CONTINUED ASSISTANCE FROM THE CMA'S AND THE REDISTRIBUTION AUTHORIZED AFSC'S UNDER CURRENT CEILING LIMITATIONS. THE 19455 IS PRESENTLY ADDRESSING AFSC REDISTRIBUTION AND RESULTS WILL BE FORWARDED UPON RECEIPT.

Shoh!



## JOINT MESSAGEFORM

CLAS

MSG	BOOK	MULTI	SINGLE
		EX	

PRECEDENCE

ROUTINE

ROUTINE

DTG

170130Z Nov 70

FROM: 6994 SCTY SQ TAN SON NHUT AB, RVN

SPECIAL INSTRUCTIONS

TO: NSAPAC REP VIETNAM

INFO: USAFSS (AC/DO)

PACSCYRGN (DO)

USA-562

USA-563

USA-564

USM-607

USM-626

USM-704 (ACC)

USF-794 (HOLD AND PASS TO DIEMSA)

USA-561 (DOCT MESSAGE)

DORN

ARDF TECH SUPPORT TEST (20-DAY STATUS REPORT)

RV MSG PL61-6002-70, 070133Z OCT 70.

SQ IN THREE PARTS.

ONE: OVERVIEW

FIRST 20 DAY PERIOD OF THE 60 DAY ARDF TECH SUPPORT TEST HAS  
 COMPLETED IN THE HOPED FOR IMPROVEMENTS IN PROVIDING ACCURATE  
 CAL SUPPORT/GUIDANCE TO ARDF AIRCRAFT. THERE HAS BEEN NO

DATE	TIME
26	
MONTH	YEAR
NOV	70
PAGE NO.	NO. OF PAGES
1	5

NAME AND TITLE

PHONE

4891

RELEASE

SIGNATURE

Sayles/dre

TYPED (or stamped) NAME AND TITLE

JACK BARNES, Lt Col, USAF

Operations Officer

INSTRUCTIONS

Y CLASS



**ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET**

<b>PRECEDENCE</b>	<b>RELEASED BY</b>	<b>DRAFTED BY</b>	<b>PHONE</b>
<b>ACTION ROUTINE</b>	Lt Col Barnes	Capt Sayles	4898
<b>INFO</b>			

INCREASE IN SUPPORT FROM CMA'S AND ACTUALLY A SIGNIFICANT DECREASE IN G/A TIP OFF BY DSUS. ADDITIONALLY TEST PROCEDURES HAVE RESULTED IN MISSION DEGRADATION IN BOTH USA-562 AND USA-563 AREAS OF RESPONSIBILITY. THE ONE PRIMARY BENEFIT HAS BEEN THE OPPORTUNITY FOR EACH UNIT TO TEST THE NEW NSA GENERATED IDENT AID, WHEN IT WAS RECEIVED IN TIME, CONTAINING ALL TARGETS IN A GIVEN AREA OF CONCERN IN ALPHABETIC ORDER BY TRANSMITTER. AIR FORCE RADIO OPERATORS HAVE FOUND THIS TO BE AN EXTREMELY BENEFICIAL TECH AID FOR USE AGAINST TOYS IN SOUTH VIETNAM. PROBLEMS AND RECOMMENDATIONS ARE SPECIFIED IN PART TWO AND THREE BELOW. THE BASIC PROBLEM OF LACK OF TIMELY TECHNICAL SUPPORT FROM CMA'S AND DSUS PRECLUDES REAPING BENEFITS FROM THIS TEST. WE ARE NOT RECEIVING DAILY UPDATED DATA OR TECH SUPPORT FOR DIVERTED MSMS. CHERRY SHEET TECH SUPPORT HAS REMAINED CONSTANT WITH THE SAME AMOUNT OF ACCURACY BEING EXPERIENCED AS PRIOR TO THE TEST. GENERALLY THROUGHOUT THE 6994 SS COMPLEX ONLY 2-10 PERCENT OF ALL CHERRY SHEET ENTRIES PROVED VALID WITHIN LIMITS OF THE TEST PROCEDURES. THERE HAS BEEN A SLIGHT INCREASE IN NUMBER OF TARGETS WORKED IN USA-561 AREA OF RESPONSIBILITY DURING THIS PERIOD (FIX, CUT, LOP) WHICH IS ATTRIBUTED TO THE EMPLOYMENT OF VACUUM CLEANER CONCEPT IN CONJUNCTION WITH NSA IDENT AID.

PART TWO: PROBLEMS.

<b>CONTROL NO.</b>	<b>TOR/TGS</b>	<b>PAGE NO.</b>	<b>NO. OF PAGES</b>	<b>MESSAGE IDENTIFICATION</b>	<b>INITIALS</b>
		2	5		
<b>REGRADING INSTRUCTIONS</b>					

DD FORM 173-1  
1 NOV 62

REPLACES EDITION OF 1 MAY 62 WHICH MAY BE USED.



**ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET**

<b>PRECEDENCE</b>	<b>RELEASED BY</b>	<b>DRAFTED BY</b>	<b>PHONE</b>
<b>ACTION</b> ROUTINE	1st Col Barnes	Capt Bayles	4891
<b>INFO</b>			

1. THE TEST PLAN STIPULATION THAT ONLY PRIORITY ONE OR SPECIAL EMPHASIS TARGETS THAT HAVE FIRM SCHEDULES BE INCLUDED ON CHERRY SHEETS HAS RESULTED IN SOME AREAS NOT HAVING ANY TECH DATA.
  2. AVIATION UNITS DID NOT RECEIVE THE NSA IDENT GUIDE IN A TIMELY MANNER ON SEVERAL OCCASIONS. MAIN REASON WAS VOLUME OF DATA WHICH REQUIRED REWORKING, SINCE IT WAS RECEIVED AT CMA VIA NSA HIGH SPEED CIRCUIT.
  3. DUAL TARGETS SCHEDULED IN WIDELY DISPERSED AREAS ALL ASSIGNED A PRIORITY ONE, CAUSING CONFLICT IN TARGET WORKING.
  4. MANY TARGETS, SOME OF WHICH WERE LISTED AS MACV PRIORITIES, WERE NOT FIXED BECAUSE THEY WERE ACTIVE DURING THE PERIOD DEDICATED TO SEARCH FOR ALLEGEDLY FIRM SPECIAL EMPHASIS AND PRIORITY ONE TARGETS. THIS PROCEDURE ACCOUNTED FOR A DECREASE IN FIX RATE AT USA-563.
  5. CHERRY SHEET INACCURACIES CONTINUE TO EXIST SUCH AS, WRONG COLLISIONS EXTRACTED FROM BOI DATA, INCORRECT FREQUENCIES AND TIMES, AND OUT OF AREA TARGETS LISTED. ADDITIONALLY MANY TST LOCATIONS WERE LISTED INCORRECTLY WHICH LED TO BAD ACFT POSITIONING. GENERALLY THOSE TARGETS WHICH WERE ~~INTERFERED BY OTHERS~~ WERE NOT FIXED WERE WORKED ON A DIFFERENT FREQUENCY THAN THAT PROJECTED.
- PART THREE: CONCLUSIONS/RECOMMENDATIONS.

CONTROL NO.	TOR/YOD	PAGE NO. 3	NO. OF PAGES 5	MESSAGE IDENTIFICATION	INITIALS
SECURITY CLASSIFICATION				INSTRUCTIONS	

**DD FORM 173-1**  
1 NOV 63

REPLACES EDITION OF 1 MAY 55 WHICH MAY BE USED.



ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION ROUTINE	1st Col Barnes	Capt Sayles	4891
INFO			

1. THE THREE MINUTE PRIOR TO AND AFTER SCHEDULE SEARCH HAS PROVED TOO RESTRICTIVE. RECOMMEND THAT THIS BE EXPANDED TO FIVE MINUTES AND ALLOW OPERATORS TO WORK OTHER TARGETS THUS AVOIDING MISSION DEGRADATION. THE AIR FORCE ARDF SYSTEMS ARE CAPABLE OF SIMULTANEOUS MULTI-TARGET WORKING AND FLYING, AND CAN WORK OTHER TARGETS WHILE STILL SEARCHING FOR DESIGNATED SPECIAL EMPHASIS OR PRIORITY ONE SCHEDULES.
2. WHEN NO TECH DATA IS AVAILABLE ON PRIORITY ONE OR SPECIAL EMPHASIS TARGETS IN A GIVEN AREA, SELECTED PRIORITY TWO TGT DATA SHOULD BE PROVIDED.
3. THE FORMAT OF THE NSA IDENT GUIDE SHOULD BE REVISED TO ELIMINATE EXCESSIVE USE OF PERIODS. RECOMMEND AS MINIMUM THAT RCVR/INTL CALLIGRAMS BE SEPARATED WITH A VERSICLE (/). ALSO, IF POSSIBLE, AN NSA IDENT GUIDE IN ALPHABETICAL ORDER BY RCVR WOULD BE BENEFICIAL. THE NSA IDENT GUIDE HAS PROVED ITS VALUE TO THE AIRBORNE OPERATOR AND STRONGLY RECOMMEND THAT IT BE RETAINED AS A TECH SUPPORT AID WITH RECOMMENDED MODIFICATIONS. IT SHOULD BE PROVIDED IN ONE COMPLETE PACKAGE INSTEAD OF PIECEMEAL AS IS PRESENTLY BEING DONE, AND BE AVAILABLE TO THE AVIATION UNIT NO LATER THAN 46 HOURS PRIOR TO BEGINNING OF EACH TASKING CYCLE.
4. IN VIEW OF LOW VALIDITY OF CURRENT TEST CHECKY SHEETS (TWO TO TEN PERCENT) BELIEVE CMA'S SHOULD STRESS DAY-TO-DAY CONTINUITIES

CONTROL NO.	TCR/TGD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
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SECURITY	GRADING INSTRUCTIONS				

DD FORM 173-1

REPLACES EDITION OF 1 MAY 52 WHICH MAY BE USED.



ABBREVIATED JINT MESSAGE FOR  
and/or CONTINUATION SHEET

PRECEDENCE		RELEASED BY	DRAFTED BY	PHONE
ACTION	ROUTINE	Lt Col Barnes	Capt Sayles	4891
INFO				

OBTAINED FROM AIRBORNE INTERCEPT TO ENHANCE RELIABILITY, UTILIZING  
GROUND INTERCEPT CONTINGENCIES AS A SUPPLEMENTARY TARGET SOURCE.  
USA-561 HAS CONDUCTED A VERY LIMITED TEST PROVIDING OPERATORS WITH  
CHERRY SHEETS UPDATED FROM PREVIOUS DAY'S INTERCEPT AND THIS RE-  
SULTED IN THREE TARGETS BEING FIXED AND IDENTIFIED ON 11 NOV WHICH  
WERE NOT FIXED FOR APPROXIMATELY ONE WEEK. ALTHOUGH THE POTENTIAL  
IS THERE, BELIEVE SUBSTANTIAL ADDITIONAL EXPENDITURE IN TIME AND  
EFFORTS WILL BE REQUIRED OF THE GMA TO PROVIDE THIS TYPE SUPPORT.  
5. IN VIEW OF THE FACT THAT THE OVERALL CONCEPT AND PROCEDURES  
FOMULGATED BY THE ORIGINAL TEST PLAN ARE NOT BEING FULLY ADHERED  
TO BY OUR TECHNICAL SUPPORT AUTHORITIES (GMA'S, DSU'S) AND IN  
VIEW OF THE NEW INCORPORATION BEING EXPERIENCED AT USA-562 AND USA-563,  
RECOMMEND THAT THE TEST BE TERMINATED OR SUSPENDED UNTIL REVISED  
PLAN CAN BE IMPLEMENTED AND COMPLETE EVALUATION OF THIS PHASE  
ACCOMPLISHED.

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REGRADING INSTRUCTIONS					



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INFO USAFCS/000  
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DO

SUBJ: JMWTF TECH SUPPORT TEST.

REFS: 1. YOUR COMM 170100Z NOV 78.

2. OUR 00 050000Z OCT 78.

1. YOUR ANALYSIS/APPRaisal OF THE NEW METHOD FOR PROVIDING TECH SUPPORT TO JMWTF MISSIONS IS CONSIDERED AN EXCELLENT EXAMPLE OF OBJECTIVITY. WE FULLY CONCUR WITH YOUR RECOMMENDATIONS TO TERMINATE OR SUSPEND THE TEST FOR A COMPLETE EVALUATION AND REVISION OF PROCEDURES.

2. REF ALFA PARA FOUR INDICATES CHERRY SHEET SUPPLEMENTATION BY THIS UNIT WAS ACCOMPLISHED ON ONLY ONE DAY. THE SUCCESS OF THIS TEST IS THEN USED AS AN EXAMPLE TO VALIDATE THE COM'S EXPENDITURE OF TIME AND MANPOWER TO PROVIDE SIMILAR DAY-TO-DAY CONTINUITIES. ALTHOUGH IT MAY BE ARGUED THAT DAY-TO-DAY CONTINUITIES ARE THE FUNCTION OF THE COM, IT IS A PROVEN FACT THAT THE COM'S CAN NOT AND APPARENTLY WILL NOT ATTEMPT TO ACCOMPLISH THIS GOAL. WE ARE THEREFORE CONCERNED THAT THE SINGLE ATTEMPT TO AUGMENT THE CHERRY SHEETS FOR AN 11 DAY MISSION MAY REPRESENT THE TOTAL EFFORT EXPENDED IN THIS REGARD. SINCE REF BRAVO IDENTIFIES SPECIFIC ANALYTICAL TASKING HQ OF INCLUDES SUPPLY FUNCTION OF CHERRY SHEETS, WE ASSUMED THIS FUNCTION WAS ATTEMPTED AT LEAST MORE THAN ONCE DURING A 20 DAY PERIOD. PLEASE ADVISE.

3. FOR USAFCS USE THE LACK OF SUCCESS WITH THE NEW TECH SUPPORT PROCEDURES AS IDENT IN REF ALFA, ESPECIALLY THE NEED FOR DAY TO DAY CONTINUITIES, BE USED IN YOUR NEGOTIATIONS WITH NAD TO OBTAIN PERMISSION FOR USING THE ALFA SORT OF THE VCS CALLSIGN SYSTEM ON COMB MISSION AFT. ALTHOUGH NOT ADDRESSED IN REF ALFA, THE USE OF THIS MATERIAL WOULD BE ESPECIALLY HELPFUL TO DET 2 AND DET 3.

END

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## JOINT MESSAGEFORM

RESERVED FOR COMBAT INFORMATION CENTER

SEC [REDACTED]

TYPE MSG

BOOK

MULTI

SINGLE

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PRECEDENCE

ACTION

PRIORITY

INFO

DTG

FROM: 6994 SCTY SQ TAN SON NHUT AB VIETNAM

SPECIAL INSTRUCTIONS

TO: PACSCTYRGN/DORT/LOMM

INFO: USAFSS/DORT/LOMMA

DET 2, 6994 SCTY SQ/DO/LO/

DOR

SUBJ: UTILIZATION OF AIR-38 ACFT. (u)

REF MY LO/DO 020913Z SEPT, UR LOMM 040050Z SEPT (NOTAL)

AND MY DO/LO 090300Z SEPT (NOTAL).

AFTER GIVING THIS SUBJ FURTHER OPERATIONAL CONSIDERATION,  
IT HAS BEEN DETERMINED THAT IT WILL BE IN THE BEST INTEREST  
OF ALL CONCERNED TO UTILIZE THE NON-CALIBRATED AIR-38 ACFT  
(AND THOSE CALIBRATED ACFT THAT ARE AWAITING THE RETURN OF THE  
CAL PROGRAM TAPE) FOR COLLECTION ONLY. THAT DETERMINATION WAS  
BASED ON:

A. THE POTENTIAL DANGER OF A TACTICAL COMMANDER TAKING  
ACTION BY FIRE AGAINST A POSSIBLE ERRONEOUSLY LOCATED TARGET  
(IT IS A COMMON PRACTICE IN THE DMZ AREA TO IMMEDIATELY FIRE  
ON ARDF FIXES AND ASK QUESTIONS LATER).

DATE	TIME
16	1500
MONTH	YEAR
SEPT	1960
PAGE NO.	NO. OF PAGES
1	2

TYPED NAME AND TITLE

PHONE

4891

SIGNATURE

TYPED (or stamped) NAME AND TITLE

JACK BARNES, Lt Col, USAF

D  
R  
A  
F  
T  
E  
R

SMSGT MILLER, /gdw

SECURITY

DD FORM 173  
1 NOV 58

REPLACES EDITION OF 1 MAY 58 WHICH MAY BE USED.



ABBREVIATED J T MESSAGEFORM  
and/or CONTINUATION SHEET

PRECEDENCE		RELEASED BY	DRAFTED BY	PHONE
ACTION	PRIORITY	COL BAINES,	SMSGT MILLER	4891
INFO				

B. LOSS OF CONSUMER CONFIDENCE IN OUR PRODUCT BY TELLING HIM  
THAT WE ARE ~~UNSURE~~ OF THE VALIDITY OF THE FIXES FROM A GIVEN MISSION.

C. ALTHOUGH FIXES ARE DESIRABLE ON ALL TETS COPIED, THE ACFT CAN  
BE GAINFULLY EMPLOYED AS STRAIGHT COLLECTORS IN DET 2'S AREA OF OPERATIONS.

M/R: Our LO/DO 020913Z pointed out that the ACFT going through the 2235  
MOD would be coming out faster than they could be run through calibration  
at CRB. It further suggested that we utilize the ACFT for operational means  
until such time as they were calibrated as the SANDERS rep stated that highly  
experienced navigators could obtain fixes without calibration Cal Program Tapes  
(that is true up to a point i.e. the new could plot a fix of acceptable radius,  
however, the accuracy of the fix location could be in gross error). Due to  
that fact and for reasons stated it is in our best interest to utilize the  
newly updated ACFT as collectors only until they are fully operational.  
SMSGT MILLER

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
		2	2		BZ

LOCATION



// CCN 1022 //

ROUTINE

FM USAFSS

TO PACSCTYRGN

INFO 6994 SCTYSQ

DET-2 6994 SCTY SQ

IDIG 232110Z

SEP 70 DOR.

SUBJ: ALR-38 EFFECTIVENESS (S/MVCCO)

1. ALR-38 FIX DATA PROVIDED BY USA-563 FROM 28 JUL-13 SEP 18 SUMMARIZED AS FOLLOWS:

A. MISSIONS EXAMINED-72.

B. FIXES EXAMINED-373.

(1) 2-16 MHX-226.

(2) 16-50 MHX-132.

(3) 50-70 MHX-15.

C. FIX RADIUS.

(1) 2-16 MHX-1000M-38 PERCENT (85), 1000-2000M-55 PERCENT (124), OVER 2000M-7 PERCENT (7).

(2) 16-50 MHX-1000M-24 PERCENT

(32), 1000-2000M-54 PERCENT (71), OVER 2000M-22 PERCENT (29).

(3) 50-70 MHX-1000M-6 PERCENT (1), 1000-2000M-67 PERCENT (20), OVER 2000M-27 PERCENT (4).

D. AVERAGE FIX RADIUS.

(1) 16-50 MHX-1973M.

(2) 50-70 MHX-2323M.

E. AVERAGE STAND-OFF RANGE.

(1) 6-50 MHX-11.9NM.

(2) 50-70 MHX-18.5 NM.

F. ALR-35 RADIUS (DET 2) 18 JUL-11 SEP.

(1) 0-1000M-79 PERCENT (1469).

(2) 1000-2000M-17 PERCENT (318).

(3) OVER 2000M-4 PERCENT (63).

2. DESPITE LIMITED DATA AVAILABLE FROM ALR-38 AIRCRAFT, TREND INDICATED FROM ABOVE DATA IS NOT FAVORABLY COMPARABLE WITH ALR-35 SYSTEM NOR DOES THE ABOVE DATA COMPARE FAVORABLE WITH ALR-38 OT AND E RESULTS IN ALL RESPECTS.

3. RECOGNIZE STAND-OFF RANGE, TERRAIN AND WEATHER HAVE SOME IMPACT ON SYSTEM RELIABILITY. PREFER, THEREFORE, TO COMPARE ALR-38 PERFORMANCE TO THAT OF THE ALR-35S AT DET 2 VICE OT AND E, SINCE BOTH SYSTEMS FLY BASICALLY SAME AREA AND SAME TERRAIN/WEATHER CONDITIONS.

4. WE ARE AWARE THAT SOME VARIANCE IN SYSTEM RELIABILITY CAN BE ATTRIBUTED TO COMPUTER SOFTWARE. THE COMPUTER SOFTWARE, AS PERTAINING TO DERIVING A LOP FROM A SET OF PHASE MEASUREMENTS, DIFFERS IN THE ALR-38 FROM THAT USED IN THE ALR-35. THE ALR-38 UTILIZES A ROUTINE WHICH PROVIDES A LEAST-SQUARES FIT OF PHASE MEASUREMENT SAMPLES ON A TIME TAKEN BASIS, WHERE AS THE ALR-35 USES A STRAIGHT AVERAGE, NOT TIME SENSITIVE. DURING THE OT AND E, IT WAS DETERMINED THAT THE NEW METHOD CURRENTLY USED IN THE ALR-38 DEPLOYED WAS NOT AS ACCURATE AS THE ALR-35 METHOD. CHANGES TO THE SOFTWARE PROGRAM WERE RECOMMENDED AND HAVE BEEN REPROGRAMMED. FLIGHT ACCEPTANCE OF A STANDARD ALR-35-ALR-38 PROGRAM IS BEING CONDUCTED DURING THE WEEK OF 21 SEP.

5. WHILE WE FEEL THE SOFTWARE PROBLEM OUTLINED IN PARA 4 IS THE MAJOR CONTRIBUTOR TO THE ACCURACY DISPARITY, WE WOULD APPRECIATE YOUR COMMENTS/DOCUMENTATION OF ANY OTHER KNOWN SYSTEM FACILITIES WHICH IMPACT UPON FIX ACCURACY.

6. WILL ADVISE STATUS OF SOFTWARE ACCEPTANCE TESTING UPON COMPLETION.



Z08013  
//PRIORITY//  
SEN 0829  
P 281130Z  
FM DET 2 6994 SCTY SQ  
TO 6994 SCTY SQ/DO  
ZEN

PLEASE PASS TO COL. BARNES  
SUBJ: ALR-38 EFFECTIVENESS [REDACTED]

RE USAFSS DOR 232110Z SEP 70.

1. AGREE WITH STATISTICS PROVIDED IN PARA ONE, REF MSG, AS REPORTED IN OUR DAILY ARDF BURNIS.

2. OUR OPERATIONAL COMMENTS ARE SEPARATED INTO THE FOLLOWING CATEGORIES:

A. OT&E: DO NOT FEEL THAT OT&E WAS REALISTIC FOR THE ENVIRONMENT THE AIRCRAFT ARE ACTUALLY FLYING IN. FEEL THAT MORE STRINGENT TEST IN THE LOCAL ENVIRONMENT BY SYSTEMS ENGINEERS SHOULD HAVE BEEN CONDUCTED PRIOR TO FRAGGING SYSTEMS INTO DAILY OPERATION.  
B. COMPARISONS: DO NOT BELIEVE THE ALR-38 SYSTEM HAS/IS BEING DONE JUSTICE BY COMPARING ITS PERFORMANCE WITH THAT OF THE ALR-35 SYSTEMS. THE TWO SYSTEMS' CAPABILITIES AND COMPLEXITIES ARE SO FAR APART THAT EVEN THE TRAINING OF MAINTENANCE PERSONNEL, OPERATOR PERSONNEL, AND NAVIGATORS IS ACUTE. DO NOT BELIEVE THAT THE SYSTEMS HAS BEEN IN THE FIELD LONG ENOUGH TO PERFORM A THOROUGH EVALUATION OF THE ALR-38 AND REALISTIC COMPARISONS WITH THE ALR-35 AND OT&E.

C. TRAINING: EMPHASIS APPEARS TO BE PLACED ON THE RADIOS OBTAINED ON FIXES BY THE ALR-38 SYSTEMS THUS FAR. AS WAS THE CASE WITH THE THREE MINI-NODS, ADDITIONAL TIME IS NEEDED TO EDUCATE ALL PERSONNEL IN THE ENTIRE ALR-38 SYSTEMS AND ITS PECULIARITIES. MANY TECHNICAL DOCUMENTS THAT ARE NEEDED ARE NON-EXISTENT. WE BELIEVE THAT, AS TIME PROGRESSES, ALL PERSONNEL, INCLUDING MAINTENANCE, OPERATORS, AND NAVIGATORS WILL BECOME MORE ITINERATELY FAMILIAR WITH THIS SYSTEM WHICH WILL RESULT IN A HIGHER LEVEL OF CONFIDENCE ON THE PART OF THE NAVIGATORS, AND EVENTUALLY REDUCE FIX RADIUS TO AN ACCEPTABLE LEVEL (NEAR OT&E RESULTS).

3. TO AID IN PROVIDING OTHER KNOWN DEFICIENCIES OF THE ALR-38 SYSTEM WHICH IMPACT UPON SYSTEM REQUIREMENTS, THE FOLLOWING IS SUBMITTED:

A. THE ALR-38 SYSTEM CAPABILITY FOR LOCKING ON THE FM SIGNALS WITH HIGH FREQUENCY SWIFT AND LOW SIDE BAND POWER HAS BEEN IDENTIFIED AS A PECULIARITY OF THE SYSTEM. ALL VHF SIGNALS OF LESS THAN FOUR (4) SIGNAL STRENGTH ATTENUATION OF ZERO, AND OTHER POSITIONS WILL NORMALLY GIVE A SIGNAL PRESENT LIGHT. HOWEVER, WHEN THE "NAV OF FILE" IS PRESSED, THE SIGNAL PRESENT LIGHT WILL BLINK WHEN WORKING 10T ON ARDF, OR COMPLETELY DISAPPEAR, RESULTING IN INSUFFICIENT DATA. WHEN THE OF CYCLE IS COMPLETED THE SIGNAL PRESENT LIGHT WILL REAPPEAR. MOST SIGNALS WITH STRENGTH OF 2 BAND AND 3 WILL NOT PROVIDE A SIGNAL PRESENT LIGHT. THIS APPEARS TO BE FUNCTION OF ANTENNA SWITCHING PATTERNS. POSSIBLE GAIN ADJUSTMENTS AMONG THE ANTENNA SYSTEMS WAS DEBRIEFED TO BRADY MAINTENANCE.

4. PROBLEMS SEEN TO BE ARISING, NOT ONLY ON A/C 809, BUT THROUGHOUT THE MAXI-38 FLEET INVOLVING KEEPING A VALID FIVE MICROVOLT THRESHOLD LEVEL FOR THE SIGNAL PRESENCE DETECTOR. AS THE SYSTEM SWITCHES THROUGH THE ANTENNA SEQUENCE, OUTPUTS OF VARIOUS PREAMPS APPEAR ON CHANNEL ONE AND IN TURN DRIVE THE SIGNAL PRESENCE DETECTOR (AS WELL AS THE OF PHASE MEASURE). THERE IS VARIATION IN GAIN BETWEEN ONE PREAMP AND THE NEXT. IN THE COURSE OF A GIVEN SWITCHING SEQUENCE, SEVERAL PREAMPS WILL BE ABOVE AND BELOW THE SET 5 UV LEVEL. WHEN THE OUTPUT DROPS BELOW, SIGNAL PRESENCE DROPS OUT OR FLICKERS. THIS CAUSES THE SYSTEM TO REJECT THE LOP DATA TAKEN. SIGNAL PRESENCE COULD BE SET TO THE LOWEST GAIN PREAMP FOR EACH AIRCRAFT, BUT, SINCE CERTAIN ANTENNA ARE NOT USED ON SOME BANDS, THE RESULT MAY BE A 1 OR 2 UV THRESHOLD ON SOME BANDS, CAUSING CONTINUOUS NOISE TRIGGERING OF SIGNAL PRESENCE. MORE DETAILED AND COMPLEX SELF-TEST OF THE ALR-38 WHEN COMPARED TO THE ALR-35 RESULTS IN SELF TEST PROBLEMS WHICH ARISE AND ARE EXTREMELY DIFFICULT TO TRACE. ALMOST ANY MOVEMENT OF PREAMPS OR ANTENNAE SEEM TO CHG THE READINGS. EXPERIENCE IS JUST NOW BEGINNING TO DISCERN A PATTERN, BUT AS YET WE HAVE NO EXPLANATIONS. SO FAR, 4 OUT OF 5 SYSTEMS TEST OUT OF TOLERANCE CASES HAVE BEEN BAD SYSTEMS TEST EQUIPMENT, NOT THE SYSTEMS FAILURES. THERE IS, HOWEVER, NO RAPID METHOD YET DEvised TO TELL THE DIFFERENCE.  
5. IN WORKING VHF FM TARGETS WITH HIGH SIGNAL SWING, THERE APPEARS TO BE INSUFFICIENT SIDE-BAND POWER WITHIN THE BAND-PASS OF THE 25 KC TO DERIVE RELIABLE BEARINGS. THE COMPUTER PROGRAM KICKS OUT THIS DATA AND DISPLAYS "INSUFFICIENT DATA". QUITE OFTEN THIS INHERENT LIMITATION COUPLED WITH CALL GATE SWITCHING AND SIGNAL PRESENCE PROBLEMS ARE MIXED AND CONFUSED IN OPERATOR DEBRIEFS. WE ARE JUST NOW BEGINNING TO BE ABLE TO FIGURE OUT WHAT PROBLEMS ARE INDICATED IN THE DEBRIEFS. THESE PROBLEMS ARE ESPECIALLY ACUTE WITH NULL-



5. TARGETS. SOME DAY, IF TIME ALLOWS, WE WOULD LIKE TO HAVE  
 SIGNALS WITH THE SK OUTPUT TO OBTAIN MORE SIDE BANDS IN THE 25 KC  
 I.F. OUTPUT. ERRATIC BEARING PROBLEMS ARE BECOMING MORE PREVALENT  
 AS TIME GOES ON. WE HAVE NOT YET BEEN ABLE TO FORM ANY GENERALIZED  
 SOURCE OR PROCEDURES FOR THESE.

6. CONCUR WITH USAFSS THAT COMPUTER SOFTWARE IS ONE OF THE LIMITING  
 FACTORS. HOWEVER, RATHER THAN BEING MORE INACCURATE, THE ALR-38  
 PROGRAM IS PROBABLY MORE SENSITIVE TO FACTORS CAUSING UNRELIABLE  
 BEARINGS AND, THEREFORE, ITS OUTPUT PROBABLY MORE REALISTIC AS FAR AS  
 THE MISS DISTANCE ACTUALLY BEING WITHIN THE CEP AT THE PROBABILITY SPECIFIED  
 BY THE NAV. THE COLLECTION OF "B" SAMPLE DATA INTO GROUPS IS MORE LIKELY  
 TO ELIMINATE BAD DATA, OTHER WISE TREATMENTS WERE SIMILAR. LEAST  
 SQUARES DATA FIT IS USED ON BOTH ALR-35 AND 38.

7. ONE FACTOR, WHICH TECH REPS HAVE BRIEFED TO SAUNDERS, BRAND MAINT,  
 AND NAVS, IS THAT SHORT INTERCEPTS OF BAD LOPS WILL HAVE A LARGE EFFECT  
 OF TARGET POSITION. FOR EXAMPLE, SEVERAL GOOD LOPS ARE TAKEN OFF ONE  
 WING AT A LONG STAND-OFF, SAY BETWEEN 45 AND 135 DEGREES REL, AND  
 ONE BAD LOP MORE PARALLEL WITH THE ACFT COURSE IS TAKEN, SAY 15-25  
 DEGREES REL. THE INTERCEPT OF THIS LOP WITH THE OTHERS WILL BE NEAR  
 THE ACFT. THIS SMALL RANGE IS INVERSELY PROPORTIONAL TO THE CORRECTION  
 FACTOR AND SHIFTS THE TARGET MARKEDLY. THIS FACTOR ALSO ENTERS INTO  
 CEP EXPANSION, SO THAT THE MISS DISTANCE IS USUALLY WITHIN THE CEP AS  
 SPECIFIED BY THE PROBABILITY. OUR EXPERIENCE WITH PNT RESULTS THIS  
 FAR BEARS THIS OUT; EVEN HUGE MISS DISTANCES ARE CONTAINED WITHIN  
 EVEN LARGER CEP'S AT 95 PERCENT SO THAT THE INFORMATION OBTAINED IS  
 VALID EVEN IF THE FIX WANTS FOR ACCURACY.

8. IT IS OUR UNDERSTANDING THAT NAVIGATORS WERE EVALUATED  
 FOR THE NUMBER OF 1000M FIXES TRAINED IN THERE WAS AT ONE TIME A  
 TENDENCY TO REDUCE THE PROBABILITIES  
 UNTIL THE CEP WAS REDUCED. HOWEVER, THEY HAVE BEEN BRIEFED THAT  
 DOING SO MIGHT PUT THE TARGET OUTSIDE THE CEP. MOST OF THEM ARE MORE  
 SERIOUSLY CONCERNED WITH PROVIDING VALID INFORMATION THAT 1000M  
 FIXES, SO THE PROBABILITIES ARE USUALLY KEPT UP TO 75-95 PER CENT.

9. THE ALR-38 SYSTEM IS EQUIPPED WITH "SIGNAL PRESENCE DETECTOR"  
 RATHER THAN THE ALR-35 "THRESHOLD". THE FORMER, HOWEVER, IS  
 PRESET TO 5 MICROVOLTS. THIS IS DONE WITH CHANNEL ONE ON THE  
 ACQUISITION ANTENNA. WHEN THE DF CYCLE BEGINS, THE CAL GATE  
 SWITCHES OTHER ANTENNAS INTO THE CIRCUIT. IF ANY OF THESE IS  
 LOWER THAN 50W OUTPUT, UNRELIABLE SIGNALS MAY BE PUT INTO PHASE  
 MEASURE. WHILE THE SYSTEM COMPENSATES FOR VARIABLE ANTENNA GAINS,  
 WE ARE SPEAKING OF MINIMUM SIGNAL SPEC, AND IF TOO LOW,  
 THE UNRELIABLE DATA MAY BE KICKED OUT BY COMPUTER ROUTINES. SOMETIMES  
 "INSUFFICIENT DATA" RESULTS FROM WHAT THE DO, OR ACQUISITION, THOUGHT  
 TO BE A GOOD SIGNAL. WE ARE JUST NOW BEGINNING TO UNDERSTAND  
 PROCEDURES TO ACCESS THE GAIN/PHASE ERRORS AND HELP US TO GET  
 VALID 5 MICROVOLT SIGNAL MINIMUMS. CH 5 OF DASH-2 IS BEING  
 INVESTIGATED FOR POSSIBLE ADAPTATION TO OUR PHASE PROCEDURES. THIS,  
 IN TIME, SHOULD REDUCE THE "INSUFFICIENT DATA" AND THE NUMBER OF HIGH  
 STANDARD DEVIATION SIGNALS NAVIGATORS ARE PRESENTLY FORCED TO USE  
 TO OBTAIN FIXES ON LOW POWER TRANSMISSIONS.

10. IN CONJUNCTION WITH THIS IS THAT PH TARGETS WITH HIGH SIGNAL  
 SWING HAVE WIDELY SPACED SIDE BANDS-ESPECIALLY MULTIPLEX TARGETS.  
 THE 25KC PHASE MEASURE IS ONLY 3KC IN BANDWIDTH. AS A RESULT ONLY ONE  
 OF VERY FEW SIDEBANDS ARE SUBJECT TO PHASE MEASURE (DF). A SIGNAL  
 WHICH APPEARS STRONG MAY BE DELIVERING ONLY A HEAD-MINIMUM SIDE  
 BAND POWER TO THE PHASE MEASURE (AND SIGNAL PRESENCE), AND "INSUFFICIENT  
 DATA" PLAGUES ANY ATTEMPT TO DE. THE AFC APPEARS TO TRY TO FOLLOW  
 THE MOVEMENT OF THE SIDEBANDS IN THE SPECTRUM, CAUSING DATA-TAKING  
 TO BE SPOTTY. THIS COUPLED WITH SPOTTY SIGNAL PRESENCE TOLERANCES  
 AS IN PARA 9 ABOVE MAKE FIXES ON PH AND MULTIPLE TARGETS DIFFICULT  
 TO FIX.

11. CAPABILITY OF THE ALR-38 AGAINST MARGINAL TARGETS, E.G. HORIZON-  
 TALLY POLARIZED ANTENNAS, LOW POWER SEEMS TO BE THE SAME OR BETTER,  
 EXCEPT THAT CEP'S REFLECT THEIR MARGINAL NATURE MORE REALISTIC AND A  
 HIGHER NUMBER "INSUFFICIENT DATA" DISPLAYS INDICATE MORE CRITICAL EDIT-  
 ING, SAVING THE NAVIGATOR THE TROUBLE OF WONDERING WHAT TO DO WITH "99"  
 SIGNAL STRENGTH BAD LOPS.

12. A WEIGHTING FACTOR FOR "TIME SINCE LAST NAV UPDATE" EXPANDS  
 THE CEP'S. TASKING AREAS FOR THE 35 AND 38 ARE ABOUT THE SAME AS ARE  
 OPPORTUNITIES TO NAV UPDATE, HOWEVER, ALR-38 CEP'S MORE CLOSELY  
 REFLECT DOPPLER SHIFT.

13. RECENT TURN-OVER OF DOPPLER MAINTENANCE PERSONNEL HAS CONTRIBUTED  
 TO AN INCREASE IN DOPPLER WRITE-UPS IN RECENT WEEKS. THIS PROBLEM  
 IS TEMPORARY IN NATURE AND WILL DECREASE WITH EXPERIENCE OF THE  
 ASSIGNED PERSONNEL.

14. IN SUMMARY, THE ALR-38 IS AT LEAST AS ACCURATE AS OR BETTER  
 THAN THE 35, HOWEVER, BECAUSE OF THE INCREASED COMPLEXITY OF SIGNAL  
 FLOW AND CONTROL CIRCUITS, IT APPEARS MORE SUBJECT TO DEGRADATION  
 FOR "FINE TUNING" MAINTENANCE ON THE SYSTEM. EXPERIENCE AND EVALUATION  
 OF TROUBLESHOOTING/ADJUSTMENT PROCEDURES WILL EVENTUALLY ASSIST IN  
 BRINGING UP PERFORMANCE.



JOINT MESSAGEFOR

RESERVED FOR COL. UNICATION CENTER

RF

TYPE MSG  
BOOK  
MULTI  
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II

PRECEDENCE

ACTION

PRIORITY

INFO

ROUTINE

DTS

FROM 6994 SCTY SQ

190945Z Oct 70

SPECIAL INSTRUCTIONS

TO: PACSCTYRON/DOR

INFO: DET 2, 6994 SCTY SQ/DO

DET 3, 6994 SCTY SQ/DO

SUBJECT: ALB-38 RASING (U)

REF: PACSCTYRON DOR 140215Z OCT 70, SUBJ ADV

1. FROM AN OPERATOR TRAINING STANDPOINT WE WOULD NOT ANTICIPATE ANY MAJOR DIFFICULTY IN TRAINING DET THREE OPERATORS ONCE DET TWO HAS ATTAINED FULL SYSTEM PROFICIENCY AND THE PECULIARITIES HAVE BEEN IDENTIFIED. DET TWO'S REPLY TO SUBJECT IS QUOTED IN PART:

QUOTE: THIS DET CAN ADEQUATELY PROVIDE OPERATORS TO TRAIN DET THREE PERSONNEL. WE FEEL THAT TWO IROS PER AIRCRAFT WOULD BE SUFFICIENT TO CONDUCT A SHORT GROUND ORIENTATION COURSE AND FLY WITH DET THREE PERSONNEL. WE REQUIRED OUR SEOS (AMS) TO FLY TEN MISSIONS UNDER ALONE. SAFE SUPERVISION BEFORE THEY FLY THE ALB-38 TEN MISSIONS WERE MORE THAN ADEQUATE. THE X POSITIONS IS THE ONLY SIGNIFICANT EQUIPMENT THAT REQUIRES THOROUGH (RE) FAMILIARIZATION. NO PROBLEMS IN OPERATOR TRAINING ARE ANTICIPATED. END QUOTE. BELIEVE A GRADUAL

DATE 19 TIME 1700H

MONTH OCT YEAR 1970

PAGE NO. 01 NO. OF PAGES

TYPED NAME AND TITLE

PHONE

4691

SIGNATURE

GARY D. BELCHER, CAPT, USAF

TYPED (or stamped) NAME AND TITLE

GARY D. BELCHER, CAPT, USAF  
ASST OPERATIONS OFFICER

REGRADING INSTRUCTIONS



ABBREVIATED  
and/or CONT.

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION	GARY D. BEICHER, CAPT, USAF	GARY D. BEICHER, CAPT (a)	b) 4891
INFO	ASST. OPERATIONS OFFICER	ASST. OPERATIONS OFFICER	

TRAINING PROGRAM INVOLVING DET THREE TRAINING PERSONNEL AND LEAD CREW(S), WHO COULD PROVIDE SUBSEQUENT TRAINING, WOULD BE AN EFFECTIVE APPROACH WITH FOLLOW-ON ADJUSTMENT IF THE NEED IS INDICATED. THERE WOULD NOT APPEAR TO BE A HEADROOM PROBLEM UNDER THIS CONCEPT.

2. WE FEEL THAT ONE ALB-38 IS NOT SUPPORTABLE AT THE PRESENT TIME AT MCP USING A BLACK BOX CHANGE OUT CONCEPT WITH MAINTENANCE MANNING/SUPPORT COMINT OUT OF DET TWO RESOURCES FOR THE FOLLOWING REASONS:

(A) A LARGE PART OF FAILURES ON THE ALB-38 ARE ATTRIBUTED TO RELAYS, SWITCHES AND CONNECTORS RATHER THAN PURE "BLACK BOX" FAILURE. ADDITIONALLY, THE MOST TIME CONSUMING PORTION OF 38 SYSTEM MAINTENANCE IS SYSTEM TESTING, ADJUSTING AND ALIGNMENT WHICH REQUIRES DETAILED SYSTEM KNOWLEDGE AND ADEQUATE AGE ON HAND.

(B) DET TWO IS CURRENTLY MANNED AT AN ABSOLUTE MINIMUM IN MAINTENANCE AND WILL, BASED ON PAST EXPERIENCE, PROBABLY REMAIN THAT WAY. ANY WITHERAWAL OF DET TWO PERSONNEL TO SUPPORT DET THREE WILL DEGRADE DET TWO'S CAPABILITY TO SUPPORT REMAINING ALB-38 ACFT.

(C) FURTHER, SUPPORT OF ALB-38 SYSTEMS AT MCP WILL REQUIRE THE FULL TIME PRESENCE OF A SANDERS CTSP ON LOCATION.

(D) BASED UPON PAST EXPERIENCE, SUPPORT OF A SINGLE "ONE-OF-A-KIND" ACFT IS DIFFICULT AT BEST. IN VIEW OF AFSS, AIRFRAME AND AVIONICS MAINTENANCE, LACK OF A EMO, ETC., WE FEEL THAT ONE ALB-38

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
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ABBREVIATED INT MESS  
and/or CONTINUATION

SECURITY CLASSIFICATION

PRECEDENCE		RELEASED BY GARY D. BEICHER, CAPT. ASST OPERATIONS OFFICER	DRAFTED BY GARY D. BEICHER, CAPT (ajs) ASST OPERATIONS OFFICER	PHONE 4891
ACTION	PRIORITY			
INFO	ROUTINE			

COULD ONLY BE EXPECTED TO BE OPERATIONAL FIFTY PERCENT OF THE TIME  
OR LESS.

3. RECOMMEND THIS CHANGE OVER BE CONDUCTED IN A PLANNED, ORDERLY  
MANNER USING A PROGRAM ACTION DOCUMENT VICE A CRASH PROGRAM TO  
THROW IN ONE OR TWO AIRCRAFT WITH MINIMAL SUPPORT. A LAY-IN  
OF ISSL ITEMS SHOULD BE PROGRAMMED, ADDITIONAL AGE SHOULD BE  
PROGRAMMED AND ADDITIONAL MAINTENANCE MEN SHOULD BE PROGRAMMED  
EITHER THROUGH FACTORY SCHOOL OR THROUGH DET TWO FOR OUT OF AT  
LEAST NINETY DAYS. AFTER SUFFICIENT SPARES ARE ON HAND, AGE IS  
ON HAND AND TRAINED MAINTENANCE PERSONNEL ON HAND, THEN THE ALB-38  
AIRCRAFT SHOULD BE DEPLOYED AND NOT BEFORE.

4. DET TWO ADVISES THAT THEY HAVE FOUND THAT PROPER NAVIGATOR  
TRAINING IS EQUALLY IMPORTANT WITH THAT OF MAINTENANCE AND OPERATOR  
PERSONNEL. RECOMMEND THE IMPORTANCE OF NAVIGATOR TRAINING BE  
EMPHASIZED IN YOUR REPLY TO PACAF. <sup>WE</sup> ~~THE~~ ASSUME PACAF IS ALREADY  
AWARE OF REQUIREMENT TO SUPPORT B-2000 (Q) ENGINES.

5. IN CONCLUSION, THE TRAINING PROGRAMS SHOULD NOT REPRESENT A  
PROBLEM. ON THE OTHER HAND, RAPID TRANSITION WITHOUT THOROUGH  
PLANNING AND PREPARATION FOR ANTICIPATED MAINTENANCE PROBLEMS  
COULD POSE A SERIOUS THREAT TO THE SUCCESS OF THE MOVE. YOUR  
ESTIMATE OF MAY 71 FOR COMPLETE CAPABILITY APPEARS REALISTIC AT  
THIS TIME.

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FM 6924SCTYSQ  
TO PACSCTYRGN/DOR  
6994SCTYSQ/CC  
ZEN/DET 2 6994 SCTY SQ/CC  
ZEM

26 OCT 1970 08 29

SUBJECT: TRANSFER OF JCAD FUNCTION (U)

1. IAW PAC SCTY RGN (OPS-A) MSG 312040Z AUG 69, THE 6924TH SCTY SQ WAS TASKED WITH PROVIDING MANPOWER RESOURCES FOR THE JOINT COURIER ACTIVITY DANAG (JCAD). IN VIEW OF THE PENDING DEACTIVATION OF THE 6924TH, IT IS SUBMITTED THAT YOUR HQ INITIATE ACTION TO TRANSFER THIS TASKING TO DET 2, 6994TH SCTY SQ. UDL MANNPOWER AUTHORIZATIONS FOR TWO R70270A TSGTS SHOULD ALSO BE TRANSFERRED TO DET. 2.

2. AS YOU ARE AWARE, THE PRIME MISSION OF THE JCAD IS TO RECEIVE AT DANANG HIGHLY PERISHABLE ACRP AND OTHER RAW DATA RECEIVED FROM COL-

LECTION/COURIER AIRCRAFT AND DELIVER IT TO THE 8TH ARFS PROCESSING CENTER AT HUE PHU BAI AND TO OTHER LOCAL DANAG AREA UNITS IN FULFILLMENT OF MACV AND 7AF REQUIREMENTS. TRANSFER OF THESE POSITIONS AND FUNCTION TO DET 2, 6994 SCTY SQ WOULD ENABLE THE USAFSS TO CONTINUE THIS TASKING AFTER OUR DEPARTURE.

3. FURTHER ECOMMEND THAT COORDINATION BETWEEN YOUR HQS AND ASAPAC BE ESTABLISHED TO ENSURE PROPER RECOMMPLISHMENT OF THE MEMORANDUM OF AGREEMENT WHICH CURRENTLY EXISTS BETWEEN THIS UNIT AND THE 509TH RADIO RESEARCH GP.....

4. FOR 6994 SCTY SQ AND DET 2, 6994 SCTY SQ: REQUEST YOUR CONCURRENCE AND/OR COMMENTS BE FORWARDED TO PAC SCTY RGN WITH INFO COPY THIS UNIT.

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FM PACSCTYRGN

TO USA-32

USA-561

INFO USA-563

NSAPAC

USA-522

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30 OCT 1970 07 42

File  
30-I  
C/D

DOR.

USA-561 PROVIDE SSLO WITH COPY OF THIS MSG.

SUBJ: JOINT COURIER ACTIVITY DANANG (JCAD).

(REF 6924SS CC, 260650Z OCT 70 (NOTAL NSAPAC, SSLO, USA-522)

1. THE FOLLOWING MSG REFLECTS HIGHER HQ NEGOTIATIONS CONCERNING SUBJECT/REF. QUOTE.

R 282105Z

FM USAFSS

TO DIRNSA/B04

INFO PACSCTYRGN/DOR

CHIEF USAFSS FM

ZFM

DOR

SUBJ: JOINT COURIER ACTIVITY DANANG (JCAD) STATUS (C)

1. THE CURRENT JCAD MEMORANDUM OF AGREEMENT, FORMULATED BETWEEN THE 509RRG AND 6924SS, WILL REQUIRE RENEGOTIATION PRIOR TO CLOSURE OF THE 6924TH SS IF JCAD IS TO REMAIN A FUNCTION.

2. SINCE JCAD IS CURRENTLY AN "OUT-OF-HIDE" FUNCTION OF THE 6924TH SS AND RENEGOTIATION OF AGREEMENT/REALLOCATION OF THE FUNCTION TO DET 2, 6994TH SS WILL NECESSITATE AN INCREASE IN DET 2, 6994TH SS MANPOWER SLOTS TO ACCOMPLISH THE TASK, REQUEST YOU REVALIDATE THE REQUIREMENT FOR JCAD AND REQUIREMENT TO PROVIDE RAW TRAFFIC/TAPES TO CMAS WITHIN 24 HOURS AFTER INTERCEPT. UNQUOTE.

2. FOR USA561/USA-563. QUERY STATUS OF COMMENTS REQUESTED IN PARA 4 OF REF.

Dolsno

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JOINT MESSAGE

SECURITY CLASSIFICATION

TYPE MSG

XXX

PRECEDENCE

ACTION

ROUTINE

INFO

ROUTINE

DTG

OCT 1970

FROM: 6994 SCTY SQ

TO: PACSCTYHIN/DOR

INFO: DET 2, 6994 SCTY SQ/CC

6924 SCTY SQ/CC

SPECIAL INSTRUCTIONS

SUBJECT: TRANSFER OF JCAD FUNCTION (U)

REF: 6924 SCTY SQ 260650Z OCT 70

1. REVIEW OF JOINT COURIER ACTIVITY DANANG (JCAD) FUNCTION TO DATE AS TASKED BY MACV HAS DISCLOSED THAT THE REQUIREMENT FOR THIS ACTIVITY STILL EXISTS. ORIGINALLY THE JCAD WAS MANNED BY ONE ARMY AND TWO AIR FORCE PERSONNEL. IT IS CURRENTLY MANNED BY TWO ARMY AND TWO AIR FORCE PERSONNEL. EXPANSION TO TWO ARMY RM IS A RESULT OF AN ADDITIONAL DAILY COURIER HELICOPTER PROVIDED BY XXIV CORPS IN RESPONSE TO A MACV REQUEST IN SEP 70. THIS ADDITIONAL COURIER WAS PROVIDED TO EXPEDITE MOVEMENT OF MATERIAL FROM DANANG TO VARIOUS ARMY UNITS.

2. RECORDS AVAILABLE AT THIS UNIT AND 509TH BRG REFLECT AN AGREEMENT THAT INVOLVED THE 6924SS, 509BRG AND THE 138TH AVIATION COMPANY.

DATE	TIME
29	1635
MONTH	YEAR
OCT	1970
PAGE NO.	NO. OF PAGES
01	02

TYPED NAME AND TITLE

PHONE

4891

SIGNATURE

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R  
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R

JACK BARNES, LTCOL, USAF  
~~6924 SCTY SQ~~  
 OPERATIONS OFFICER (ajs)

TYPED (or stamped) NAME AND TITLE

LEON S. INGE, LTCOL, USAF  
 COMMANDER

REGARDING INSTRUCTIONS

DD FORM 173

REPLACES EDITION OF 1 MAY 55 WHICH MAY BE USED.

★ U.S. Government Printing Office: 1969-332-167



ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

SECURITY CLASSIFICATION

PRECEDENCE		RELEASED BY	DRAFTED BY	PHONE
ACTION	ROUTINE	LEON S. INGE, LTCOL, USAF	JACK BARNES, LTCOL, USAF	4891
INFO	ROUTINE	COMMANDER	OPERATIONS OFFICER (ajo)	

SUPPORT FUNCTIONS PREVIOUSLY PROVIDED BY THE 138TH AVIATION  
COMPANY AT DANANG WERE ABSORBED BY ~~DET 2, 6994 SCTY SQ~~ AND 6924  
SCTY SQ WHEN THE 138TH MOVED TO HUE PHU BAI. THE REVISED MEMORAN-  
DUM OF AGREEMENT SHOULD BE BETWEEN 6994SS AND THE 509REG. THE TWO  
AIR FORCE PERSONNEL AND ASSOCIATED UIL AUTHORIZATIONS MUST BE TRANS-  
FERRED TO DET 2, 6994 SCTY SQ IF THE JCAD FUNCTION IS TO CONTINUE *as presently MANNED.*

3. REVISION OF THE MEMORANDUM OF AGREEMENT CAN BE ACCOMPLISHED  
LOCALLY BY COORDINATION BETWEEN THIS HEADQUARTERS AND 509REG. HOW-  
EVER, IN VIEW OF POSSIBLE DRAW-DOWN OF RESOURCES AND THE FACT THAT  
USAFSS IS NOT NORMALLY RESPONSIBLE FOR COURIER ACTIVITIES, BELIEVE  
WE SHOULD APPROACH MACV IN AN ATTEMPT TO BE RELIEVED OF THIS RE-  
SPONSIBILITY. WITH YOUR CONCURRENCE, WE WILL COORDINATE WITH MACV  
AND MBV(C) TO DETERMINE IF THERE IS ANY OTHER METHOD OR RESOURCE  
THAT CAN BE USED TO SATISFY THIS REQUIREMENT. REQUEST COMMENTS.

TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
	02	02		
REGRADING INSTRUCTIONS				



[REDACTED] 190  
DOE  
#73 \$  
WOW.  
(CCN-0182)  
DTG 022235Z  
FM USAFSS  
TO PACSCTYR6N/DOR  
INFO 6994SCTYSQ  
DET 2 6994SCTYSQ  
ZEN

SUBJ: TRANSFER OF YCAD FUNCTION (U).  
REFERENCE:

A. PACSCTYR6N MSG DOR 322256Z OCT 70.

B. USAFSS MSG DOR 282105Z OCT 70.

1. THE 6994 MSG QUOTED IN REF A. INDICATES A CONTINUED NEED FOR YCAD SERVICES AS EXPRESSED BY MACV.
  2. REF B. REQUESTS REVALIDATION OF 24-HOURS AFTER INTERCEPT DELIVERY REQUIREMENT FOR RAW TRAFFIC/TAPES BEING FORWARDED TO THE CMAS.
  3. THE REQUIREMENT FOR YCAD SERVICES IS RECOGNIZED AS VALID; HOWEVER, THERE IS NO DOCUMENTATION TO BE FOUND STATING FUNCTIONS OF YCAD ARE INDEED VALID NOR IS THERE ANY MANPOWER SPECIFICALLY AUTHORIZED IN CCP/UDL TO PERFORM THESE FUNCTIONS. FURTHER, THE SI INT TECHNICAL CONTROL AUTHORITY (NSA), AS DEFINED IN OPDOC-13, IS THE AGENCY RESPONSIBLE FOR ENSURING THAT PROCESSING/REPORTING REQUIREMENTS ARE SATISFIED VICE SIGINT OPCON AUTHORITY (MACV).
  4. IT IS OUR CONTENTION THAT THIS FUNCTION MUST FIRST BE VALIDATED BY NSA BEFORE MANPOWER RESOURCES CAN BE JUSTIFIED AND ALLOCATED TO THE UNIT PERFORMING THE YCAD FUNCTION. FURTHER, VALIDATION WOULD "SEMI-LEGALIZE" THE CURRENT SCATBACK COURIER SERVICE AND WOULD PROVIDE THE OPPORTUNITY TO PROPERLY PRESCRIBE PROCEDURES FOR HANDLING RAW TRAFFIC/TAPES IN TECHINS 1043.
  5. REF BRAVO IS DIRECTED TOWARD THIS GOAL. FYI, NSA HAS QUERIED MRV (C) ON VALIDITY OF REQUIREMENT EXPRESSED IN REF B.
  6. RECOGNIZE THAT USAFSS GND CRYPTOLOGIC COMMUNITY ARE NOT NORMALLY RESPONSIBLE FOR COURIER ACTIVITIES. HOWEVER, ORIGINAL BASIS FOR ESTABLISHMENT WAS: (1) THE REQUIREMENT WHICH CANNOT BE FOUND IN WRITING, AND (2) THE INABILITY OF (ARFCAS) AND OTHER IN-COUNTRY SYSTEMS TO DELIVER RAW TRAFFIC/TAPES WITHIN SPECIFIED TIME FRAME. BELIEVE PERFORMANCE OF FUNCTION WILL NOT BE DETRIMENTAL TO NORMAL MISSION AS MANPOWER MAY BE ALLOCATED AGAINST THIS FUNCTION.
  7. WILL ADVISE RESPONSE TO REF B.
- [REDACTED]
- NNNN



NNNNZCZ  
RR YMR  
DE YHLAKZ 0051 3282139  
ZNY MMNSH  
R 242130Z  
FM PACSCTYRGN  
TO 6994SCTYSQ/DO  
ZEM

FILE  
JCAD WORKING FILE

24 NOV 1970 22 59

547

SUBJ: JCAD COURIER FUNCTION  
REF YOUR DO 180100Z NOV 70.

1. DIRNSA MSG B04-125-70 IS PARAPHRASED FOR YOUR INFO AND GUIDANCE.
2. AS A RESULT OF THE PENDING CLOSURE OF USA-32, THE JCAD MEMORANDUM OF UNDERSTANDING DATED 29 SEP 1969 WILL BE RENEGOTIATED BY 509TH RR GP AND 6994TH SCTY SQ UNDER MACV J-2 AUSPICES. MACV ORIGINALLY TASKED 09TH RR GP/6924TH TO ESTABLISH JCAD AND ANY CHANGES/MODIFICATIONS TO THE PRESENT AGREEMENT MUST HAVE MACV J-2 CONCURRENCE.
3. THE MACV J-2 POSITION IS THAT THE 24-HOUR GDRS REPORTING REQUIREMENT FROM TOI TO ISSUING OF PRODUCT REMAINS VALID.
4. USAFSS/DOR IS SUBMITTING APPROPRIATE MANNING REQUEST TO TRANSFER TWO 702XO'S FROM FC 1100, 6924TH TO DET 2, 6994TH SCTY SQ.

160  
0051

Who will be the OPR on this?

DO Capt Saylor

NNNN  
3282300



NNNNTCZCRDA838ZCZCRDA839

RR YMRDR

DE YWQADK 0013 3351628

ZNY MMNSH

R 011545Z

FM USAFSS

TO PACSCTYRGN (DOR/DOA)

INFO 6994SCTYSQ

DET 2 6994SCTYSQ

6924SCTYSQ

ZEM

SUBJECT: JCAD FUNCTION (U)

REFERENCE PAC SCTY RGN MSG DOA 212125Z OCT 70.

1. A MANPOWER CHANGE REQUEST HAS BEEN APPROVED TO PROVIDE TWO TSG 70270A SPACES TO DET 2, 6994TH SS FOR THE JCAD FUNCTION. THESE ADDITIONAL SPACES WILL BE REFLECTED IN DEC 70 HAF-039 AND ARE EFFECTIVE BEGINNING FY2/71. COPYNNF MCR BEING PROVIDED TO YOUR HQ (DOMX).

2. REQUEST YOU INITIATE ACTION TO RENEGOTIATE MEMORANDUM OF AGREEMENT FOR JCAD FUNCTION BETWEEN 509TH RRG AND DET 2, 6994TH SS.

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[REDACTED]

MEMORANDUM OF AGREEMENT

FOR

JOINT COURIER ACTIVITY - DANANG (JCAD)

BETWEEN

509TH RADIO RESEARCH GROUP

AND

6994TH SECURITY SQUADRON

I. INTRODUCTION: This memorandum supersedes all previous agreements concerning the establishment and operation of a Joint Courier Activity - DaNang (JCAD) and will become effective 1 January 1971. The JCAD was initially established in June 1969 in fulfillment of tasking levied by MACV/J2 and directly involved the 509th Radio Research Group (509RRG), the 138th Aviation Company, and the 6994th Security Squadron (6994SS). In early October 1969, the 6924th Security Squadron (6924SS) assumed responsibilities previously attached to the 6994SS. This memorandum provides for the continuity of JCAD operations in response to MACV/J2 requirements by tasking the 8th Radio Research Field Station (8RRFS) at Phu Bai with direct responsibility for JCAD operations, and Detachment 2, 6994 SS (Det 2, 6994SS), DaNang Airfield with specific support and liaison responsibilities previously assigned to the 6924SS.

II. RESPONSIBILITIES:

a. The 509RRG will:

(1) Retain overall responsibility for the management and operation of the JCAD and monitor operational effectiveness.

(2) Effect coordination with MACV to provide JCAD authority to obtain necessary "blocked booking" on all 834th Air Division/15th Aerial Port Squadron aircraft.

(3) Effect all other coordination with MACV/NRV(C).

b. The 8RRFS will:

(1) Directly supervise JCAD operations.

(2) Provide administrative support as necessary:

(a) Publish orders, furnish clearance status and identification cards for 8RRFS JCAD personnel.

(b) Provide other support as appropriate.

[REDACTED]

[REDACTED]



[REDACTED]

(3) Provide NCOIC JCAD Operations (E-7) and one additional NCO (E-6).

(4) Effect necessary coordination with all flying organizations concerned to ensure courier space is made available when required by JCAD personnel.

(5) Provide two vehicles for JCAD operation (3/4 ton truck and jeep).

(6) Provide for vehicle maintenance by separate agreement with XXIV Corps.

c. Det 2, 6994SS will:

(1) Act as local JCAD liaison and will provide coordination assistance and guidance as required to ensure efficient operation.

(2) Provide two NCOs for JCAD (E-6).

(3) Provide administrative support as necessary:

(a) Publish orders and furnish clearance status for Det 2, 6994SS JCAD personnel.

(b) Provide message and class A telephone service for JCAD.

(c) Provide courier bags as needed.

(d) Provide other support as appropriate.

(4) Provide operating/storage space for JCAD within a secure SI area.

(5) Coordinate Ramp space for courier transfer.

(6) Furnish weapons for two Det 2, 6994SS courier personnel.

(7) Furnish JCAD with a copy of flight schedules and forecasts (HEADSTRONG) and any other available information which would enhance the timely and effective transfer of courier materials.

(8) Provide billeting and coordinate messing facilities for all JCAD personnel.

(9) Coordinate with DaNang Airfield to provide PCL support (non-reimbursable) for operations of JCAD vehicles.

III. CONCEPT OF OPERATION: JCAD personnel will meet all collection and courier aircraft at DaNang Airfield as directed by the Commanding Officer 509th RRG, and the Commander, 6994th SS in fulfillment of MACV and 7th Air Force requirements for timely movement of perishable material. Material will be couriered from DaNang Airfield to Hue-Phu Bai aboard aircraft made available by the 138th Aviation Company (RR), the 7AF/834th

[REDACTED]



[REDACTED]

Air Division, and any other aircraft on authority issued by MACV. In his official capacity, the NCOIC of JCAD is authorized direct coordination with all offices and activities on DaNang Airfield and all units of the 509th RRG and the 6994th SS. All JCAD requests for assistance from higher headquarters will be directed to the 8th RRFS with information copies going to the 509th RRG and Det 2, 6994th SS. The NRV(C) will be an information addressee on all correspondence concerning the operations of JCAD. Official incoming and outgoing JCAD correspondence will be routed through the 8th RRFS as appropriate. Electrical correspondence for JCAD will be addressed to Det 2, 6994th SS, with internal instructions to pass to JCAD. Mail correspondence for JCAD will be addressed to Det 2, 6994th SS, APO San Francisco 96337 (ATTN: JCAD). All official contacts with JCAD will be approved in advance by the Commanding Officer, 8th RRFS or the Commander, Det 2, 6994th SS.

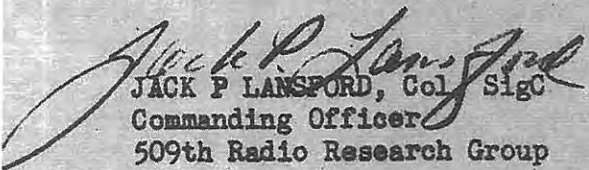
IV. OPERATING PROCEDURES: JCAD will operate on a 24 hour basis required to support the concept of operations outlined above. JCAD operating locations will be within facilities of Det 2, 6994th SS. JCAD personnel will be allowed unrestricted access to Det 2, 6994th SS in the performance of official duties. JCAD courier identification procedures, orders and messages will be currently maintained, performed and processed according to procedures agreed upon by the Commanding Officer, 8th RRFS and the Commander, Det 2, 6994th SS. All JCAD personnel will be billeted at Det 2, 6994th SS.

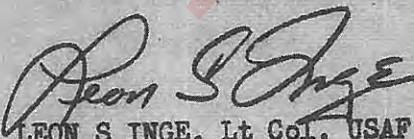
V. CHANGES AND AMENDMENTS: Changes and amendments to this memorandum of agreement may be recommended at any time jointly by the Commanding Officer, 8th RRFS, and the Commander, Det 2, 6994th SS in coordination with immediate headquarters. If a unilateral amendment is directed by higher headquarters or one of the two parties to this memorandum, complete coordination between both parties will be assured before any action is taken which affects the capability or mission of JCAD.

AGREED TO:

31 December 1970  
(date)

29 December 1970  
(date)

  
JACK P LANSFORD, Col SigC  
Commanding Officer  
509th Radio Research Group

  
LEON S INGE, Lt Col, USAF  
Commander  
6994th Security Squadron



XX

ROUTINE

060740Z

AUG 70

6994 Scty Sq

PACSCITYRGN/DOR

INFO: USAFSS/DOR

SUBJ: UPDATE OF A/A TIP-OFF EXERCISE.

- cc R/F
1. On Sunday 2 Aug 7AF DI directed resumption of coordinated photo recon/EC-47 mns. Photo recon will be RF-101 which has KY-28 secure voice capability. We are investigating poss of passing fix info using KY-8 instead of KAC-WHEEL by carrying an extra KYK-3 keyed to the RF-101 keys. This would give us capability to work both nets. Query is there are any restrictions which would prevent using this procedure. No firm date on actual resumption of coordinated mns but planning is underway.
  2. Status of A/G/A GRC-27: All equipment is now installed and operational in plaintext mode, however, will not operate in cipher mode. Suspect bad ground adapter card, troubleshooting at this time.

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Capt Belcher/eds

GARY D. BELCHER, Captain, USAF  
Asst Operations Officer



## JOINT MESSAGEFORM

RESERVED FOR COMMUNICATION CENTER

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TYPE MSG

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MULTI

SINGLE

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## PRECEDENCE

ACTION ROUTINE

INFO

DTG

180736Z Aug 78

FROM: 6994 SCTY SQ TAN SON NHUT AB VIETNAM

TO: PACSCTYRGN/DOR/

INFO: USAFSS/DOR/

## SPECIAL INSTRUCTIONS

SUBJ: UPDATE OF A/A TIPOFF EXERCISE.

1. COORDINATED EC-47/RP-101 MISSION TEST ENDED FRI 14 AUG. TESTS WERE CONDUCTED ON FOUR DAYS. TWENTY NINE FIXES WERE PASSED RESULTING IN SIXTEEN PHOTO RUNS WHICH YIELDED NO SIGNIFICANT RESULTS. TARGETS WERE COSVN HQS (FOO03) AND COSVN TAC CONTROL CENTER (M-4181). ATTEMPTS TO USE KY-8 TO PASS FIXES WERE UNSUCCESSFUL, PROBABLY DUE TO HIGH ALTITUDE OF RP-101 WHICH CAUSED SIGNAL BLANKING BY EC-47 FUSELAGE.
2. OUR PROGRAM OF PASSING FIXES TO 7TH AF DIOR FOR PAC TARGETTING CONTINUES TO YIELD GOOD RESULTS. RESULTS SHOW THAT BETWEEN 1 JUL AND 14 AUG 313 TAC AIR STRIKES WERE FRAGGED FOR CAMBODIA, 109 OF WHICH WERE BASED SOLELY ON ARDF RESULTS AND 20 ON ARDF/PAC VR. POSITIVE BDA HAS BEEN REPORTED ON 31 PER CENT OF THE STRIKES GENERATED BY ARDF.

DATE	TIME
180736Z	180736Z
AUG	1978
PAGE NO.	NO. OF PAGES
1	1

TYPED NAME AND TITLE

PHONE

4641

SIGNATURE

TYPED (or stamped) NAME AND TITLE

CAPT BELCHER

GARY D. BELCHER, Captain, USAF

TION

REGARDING INSTRUCTIONS



ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

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ACTION ROUTINE	CAPT BELCHER	CAPT BELCHER	4641
INFO			

3. A/G/A GRC-27 OPERATIONAL AS OF 17/0930Z. EXTENSIVE REWIRING WAS  
NECESSARY TO ACHIEVE CIPHER COMMS.

4. REQUEST YOUR CONCURRENCE IN DISCONTINUING WEEKLY REPORTING, LIMITING  
REPORTS TO SIGNIFICANT ITEMS/ACHIEVEMENT ONLY.

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
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SECURITY

TYPE MSG

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PRECEDENCE

ACTION

ROUTINE

INFO

DTG

FROM: 6994 SCTY SQ TAN SON NHUT AB, RVN

TO: PAC SCTY RCM (DCR)

INFO: USAFSS (DCR)

SPECIAL INSTRUCTIONS

SUBJ: UPDATE AIR TO AIR TIP OFF/EC-47, RF4 PHOTO OPERATION.

1. AN EFFORT HAS BEEN UNDERWAY SINCE 2 NOV TO FURTHER EVALUATE TACTICAL EFFECTIVENESS OF EC-47/RF4 COORDINATED SORTIES. THE RF4 IS FRAGGED AGAINST PREPLANNED TARGETS DERIVED FROM FIXES PROVIDED BY THE 6994 SS ON A DAILY BASIS TO 460 TRW INTELLIGENCE. THESE FIXES ARE COMPRISED OF TARGETS IN CAMBODIA WITH A CEP OF 1000 METERS OR LESS AND ARE PASSED TO THE 460TH TRW BLT 0700 EACH MORNING VIA KY-3.
2. THE RF-4 FLIES PHOTO RUNS ON AN AVERAGE OF FOUR PREPLANNED LOCATIONS AND ON THOSE FIXES PASSED AIR TO AIR. FROM 2-25 NOV, 287 FIXES WERE PASSED VIA KY-3 WITH 107 OF THESE BEING PHOTOGRAPHED. DURING THIS SAME PERIOD EIGHT FIXES WERE PASSED AIR TO AIR WITH FIVE BEING PHOTOGRAPHED. OF THE 112 TARGETS PHOTOGRAPHED DURING THE 25 SORTIES, FOUR PRODUCED SIGNIFICANT RESULTS. (I.E. SMALL HUTS AND POSSIBLE LONGWIRE ANTENNA CONFIGURATIONS). ONLY ONE OF THESE FOUR WAS ACTUALLY STRUCK WITH NEGATIVE EDA SINCE TARGET WAS MISSED.

DATE	TIME
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DEC	70
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Capt Sayles/drs

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TYPED (or stamped) NAME AND TITLE

JACK BARNES, Lt Col, USAF  
Operations Officer

SECURITY CLASS

REGRADING INSTRUCTIONS



ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

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ACTION ROUTINE	Lt Col Barnes	
INFO		

3. IN AN EFFORT TO IMPROVE EFFECTIVENESS, A 6994TH ANALYST HAS BEEN EXAMINING PHOTOS IN CONJUNCTION WITH 460 TRW PIS TO ASSIST IN ISOLATING ANY INDICATIONS OF COMM ACTIVITY OR CAPABILITY.
4. WILL KEEP YOU ADVISED OF ANY FURTHER RESULTS.

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## JOINT MESSAGEFORM

RESERVED FOR COMMUNICATION CENTER

SECURITY

TYPE MSG

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PRECEDENCE

ACTION

IMMEDIATE

INFO

DTG

FROM: 6994 SCTY SQ TMS RNM

TO: PACSCTY RNM (DOR)

SPECIAL INSTRUCTIONS

DELIVER DURING FIRST DUTY HOUR.

SUBJ: A/A TIPOFF.

REF: A. YOUR DOR 060142Z DEC 70.

B. USAFSS DOR 041340Z DEC 70.

1. REGRET WE CANNOT RENDER AN OPTIMISTIC REPORT ON THE CURRENT AND PROJECTED STATUS OF THE AIR/AIR TIPOFF PROGRAM, HOWEVER THE FACTS OF LIFE ARE VERY REAL. EFFECTS OF THE US DRABDOM HAVE IMPACTED ON EVERY ASPECT OF OPERATIONS. WE HAVE JUST RECENTLY LEARNED THAT 7AF DO HAS SIGNED A PAPER ELIMINATING THE ARDF/PHOTO RECCO A/A TIPOFF PROGRAM. THIS PAPER HAD CONCURRENCE OF 7TH DI ALTHOUGH HE NOTED IN HIS INDORSEMENT THAT THE CONCEPT OF A/A ARDF/PHOTO COORDINATION WAS BASICALLY SOUND AND SHOULD BE RESERVED FOR FUTURE CONTINGENCY USE.

2. IN GENERAL THE ATMOSPHERE WHICH PREVAILS TODAY IS TYPIFIED BY THE FOLLOWING FACTORS:

A. RESOURCES ARE AUSTERE. NO LONGER IS THERE AN UNLIMITED SORTIE POTENTIAL. SORTIES ARE ALLOCATED WITHIN A RIGID PRIORITY SYSTEM AND

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TYPED (or stamped) NAME AND TITLE  
GARY D BELCHER, Capt, USAF  
Asst Operations Officer

SECURITY CLASSIFICATION

REGRADING INSTRUCTIONS

DD FORM 173  
1 NOV 63

ED. ☆ U.S. Government Printing Office: 1969-332-167



ABBREVIATED JINT MESSAGEFORM  
and/or CONTINUATION SHEET

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ACTION	IMMEDIATE	Capt Belcher	Capt Belcher
INFO			4891

PRACTICALLY NO STRIKES ARE LAID ON WITHOUT MULTIPLE SOURCE JUSTIFICATION. ARDF CAN AND DOES GENERATE PHOTO RECCE ACTION WHICH, IF POSITIVE, BECOMES A SECOND CONTRIBUTOR TO SUBSEQUENT STRIKE ACTION.

B. USE OF ORDNANCE IS A VERY TIGHTLY CONTROLLED. NO LONGER IS THERE A WIDE RANGE OF DISCRETIONARY AUTHORITY FOR EXPENDITURES.

C. USAF SORTIES ARE DRASTICALLY REDUCED AND MORE AND MORE SORTIES ARE BEING ALLOCATED TO VNAF. IN FACT, WHEN NEXT DAY FRAG IS BRIEFED TO CG, 7TH AF, SPECIFIC JUSTIFICATION MUST BE GIVEN FOR ALL USAF SORTIES.

D. FAC RESOURCES ARE AUSTERE AND EVER INCREASING PRIORITY IS BEING ATTACHED TO THEIR FUNCTION. THERE IS NO SURPLUS CAPABILITY, AND WHILE FACS, LIKE PHOTO RECCE, ARE SOMETIMES FRAGGED IN EFFORTS TO SUBSTANTIATE SIGNIFICANT ARDF RESULTS, THEY ARE NOT BEING USED IN CONJUNCTION WITH ARDF.

3. CONTACT TODAY WITH 7TH AF DO SOURCES INDICATE THAT THERE IS NO MOVE IN PROGRESS AT THIS TIME TO BRING FACS INTO THE PROGRAM, HOWEVER THEY HAVE INDICATED THEY WILL AGAIN BRING THE SUBJECT UP TO DETERMINE IF THERE IS ANY REAL POSSIBILITY FOR IMPLEMENTING THE PROGRAM IN THE NEAR FUTURE. AN ITEM OF INTEREST IS A MESSAGE 7TH AF RECEIVED RECENTLY FROM 7/13AF AT UDORN IN WHICH THEY RELAYED A REQUEST FROM CAS VIENTIANE REQUESTING THE WORKING FREQUENCIES OF

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
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FORM 1 NOV 63

REPLACES EDITION OF 1 MAY 60 WHICH MAY BE USED.



ABBREVIATED JOINT MESSAGEFORM  
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LOCATION

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ACTION IMMEDIATE			
INFO	Capt Belcher	Capt Belcher	4891

THE EC-47S OPERATING IN SOUTHERN LAOS. PURPOSE OF THE REQUEST WAS TO ENABLE TIMELY GUIDANCE TO BE PASSED TO RAVEN PACS OPERATING IN THAT AREA. 7TH AF IS NOW SEEKING CLARIFICATION OF THE MSG, WHICH WAS SOMEWHAT HAZY IN MEANING, AND IF THE INTENT IS TO IMPLEMENT A PAC TIPOFF PROGRAM WE WILL ADVISE.

4. FOR THE RECORD IT SHOULD BE REALIZED BY ALCON THAT A PRIMARY IMPETUS BEHIND PREVIOUS TESTS OF THIS CONCEPT WAS THE 460TH TFW ITSELF WHICH HAD A VESTED INTEREST IN FULLER EXPLOITATION OF ITS PHOTO RECCE RESOURCES. THERE IS CONSIDERABLY LESS LATITUDE IN THIS RESPECT AT THIS TIME.

5. IN SUMMARY WE AGREE THAT THE POTENTIAL FOR COORDINATED ACTIVITY IS GOOD AND DESIRABLE, HOWEVER IT WOULD APPEAR THAT OUR EFFORTS ARE BEING OVERTAKEN BY EVENTS. THE PROCEDURES FOR EXECUTING THIS PROGRAM ARE SIMPLE AND WE HAVE THE CAPABILITY TO IMPLEMENT AT WILL AS THE OPPORTUNITY PRESENTS ITSELF. WE STAND READY TO PARTICIPATE IN ANY MANNER POSSIBLE.

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
SECURITY	REGARDING INSTRUCTIONS				

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WHICH MAY BE USED.



## JOINT MESSAGEFORM

RESERVED FOR COMMUNICATION CENTER

TYPE MSG

ANGLE

X

PRECEDENCE

ACTION ROUTINE

INFO

DTG

FROM: 6994 SCTYSQ

16/0745Z JUN 70

TO: PACSCTYRGN/DO.

SPECIAL INSTRUCTIONS

SUBJ: UPDATE OF AIR-TO-AIR TIP OFF EXERCISE.

REF 6994 SCTY SQ 290906Z MAY 70. FIRST MISSION FLOWN ON 3 JUN 70.

FIRST WEEK OF EXERCISE COMPLETED WITH EC-47 PASSING FIXES TO AN F-4 PHOTO RECON BIRD IN THE AREA. THE EXERCISE WAS CONTINUED WITH SOME MODIFICATION WHILE RESULTS OF FIRST WEEK WERE BEING REVIEWED. DURING THE SECOND WEEK THE F-4 DID NOT ORBIT THE AREA. AT 0700H EACH MORNING SELECTED FIXES FROM THE PREVIOUS DAY WERE SANITIZED AND PASSED TO 460 TRW WHO THEN LAUNCHED THE PHOTO RECON TO PHOTOGRAPH THE SELECTED TARGETS. RESULTS HAVE NOT BEEN EARTH-SHAKING BUT A FEW PHOTOS DISCLOSED RECENTLY USED TRAILS, A FEW HUTS AND ONE EXCELLENT SHOT OF A CAMOUFLAGED TRUCK ON A WELL USED TRAIL. IN A MEETING WITH 7AF DIOR, 7AF DITTD (TARGETING), AND 460 TRW YESTERDAY A PLAN WAS DEVISED AND COORDINATED WITH NRV(C) WHEREBY INCREASED RESULTS MIGHT BE OBTAINED.

PLAN IS: AT APPROX 1600H EACH DAY WE WILL PASS FIXES OF 1000 METERS OR LESS FROM SELECTED AREAS IN SOUTHEASTERN AND NORTHEASTERN CAMBODIA TO 7AF DIOR. DIOR WILL SANITIZE THE FIXES AND PASS THEM TO 7AF

DITTD (TARGETING) WHO WILL TASK A FAC TO COVER THE AREAS THE FOLLOWING

DATE	TIME
16	1525
MONTH	YEAR
Jun	70
PAGE NO.	NO. OF PAGES
1	2

TYPED NAME AND TITLE

PHONE

SAME AS RELEASER

4437

SIGNATURE

SIGNED

TYPED (or stamped) NAME AND TITLE

JACK BARNES, Lt Col., USAF  
Commander



ABBREVIATED INT MESSAGEFORM  
and/or CONTINUATION SHEET

PRECEDENCE	RELEASE	PHONE
ACTION <b>ROUTINE</b>	LT COL BARNES	4437
INFO	LT COL BARNES	

MORNING. IT IS CONCEIVABLE THAT THE FAC WILL DIRECT AIR STRIKES ON  
TARGETS IN FREE STRIKE ZONES. THIS PROCEDURE INITIATED 16 JUNE. IN  
ALL INSTANCES ~~REXX~~ THE ONLY INFO PASSED TO PHOTO-RECON OR 7AF DITTD IS  
FIX COORDINATES, RADIUS OF FIX AND SANITIZED IDENTIFICATION (TRUE UNIT  
DESIGNATOR). WILL ADVISE OF FUTURE DEVELOPMENTS. INSTALLATION OF  
KY-8 WILL EXPEDITE EFFORTS SUCH AS THIS.

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11 JUL 78 8:20

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RR WRD OR  
DE WQADK 8 1911357  
R 1013512  
FM USAFSS  
TO PAC80T YRGN  
INFO 6994 SCT YSQ  
ZEM

SUBJ: OPERATIONAL TEST OF RFP IN AIRBORNE PLATFORM (ARFP) (U)  
REF: DYO DTG 061930Z MAY 70.

1. THE FOLLOWING IS PROVIDED AS BACKGROUND FOR YOUR INFO:  
A. WE ARE PRESENTLY PLANNING TO CONDUCT AN OPERATIONAL  
FRESIBILITY TEST OF THE ARMY-DEVELOPED LEFAIR KNEE RFP  
SYSTEM ABOARD AN SEA-BASED, GROUP A WIRED COMBAT CROSS ACFT  
(PROJECT COMFY MAG). TEST WILL BE DESIGNED TO DETERMINE  
LEFAIR KNEE'S CAPACITY TO INCREASE ID RATE ON AJFF FIXES/  
CUTS WHICH ARE COMMUNICATED AIR-TO-GROUND DURING MISSIONS.  
B. TEST IS CONTINGENT UPON MACV RESPONSE TO NSA REQUEST  
FOR PERMISSION TO RUN THE TEST, AND TEST SCHEDULE DEPENDS ON  
DATE OF RECEIPT OF EQUIPMENT TO BE BORROWED FROM ASA, TIME RE-  
QUIRED TO FABRICATE A LEFAIR KNEE POSITION AT THIS HQ, AND  
TIME REQUIRED TO SHIP THIS POSITION TO SEA TEST SITE.  
2. DRAFT OF TEST DIRECTIVE IS BEING COORDINATED WITHIN THIS  
HQ. A COPY WILL BE PROVIDED TO YOU FOR YOUR REVIEW AND COMMENT  
BEFORE START OF THE TEST.



753/2



ROUTINE

\*\*\*\*\*  
\* UNCLASSIFIED E F T O \*  
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PT 00000  
RTTEZYUW RUWTEJAG000 3212137-EEEE--RUMPSA.  
ZNY EEEEE  
R 172000Z NOV70  
FM USAFSS  
TO RUMPSA/PACBCTYNN/TOM/UNCLER AFB HA  
INFO RUMPSA/SPSACTYNN/OPS/TAN SON NGUT AFLD RVN  
BT

UNCLAS E F T O DRY

SUBJ: COMFY HAS.

REF MY BOY 100000Z OCT 70. START DATE FOR COMFY HAS TEST  
HAS BEEN DELAYED TO APPROXIMATELY 1 FEB 71. THEATER  
CLEARANCE REQUEST FOR 1LT LIPS AND SSGT COOPER HAS BEEN  
FORWARDED. DATE OF ENTRY TO SEA REQUESTED IS 1 FEB 71.  
ITINERARY REQUESTED FOR 1LT LIPS: 1 FEB - 20 FEB AT 0900 SS.  
1-4 MAR AT PSR. SSGT COOPER WILL REMAIN IN THEATER THROUGH  
CONCLUSION OF THE TEST (ESTIMATE 15 MAR 71).

BT

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NNNN

ROUTINE

\*\*\*\*\*  
\* UNCLASSIFIED E F T O \*  
\*\*\*\*\*



## JOINT MESSAGEFORM

SEC			
TYPE MSG	BOOK	MULTI	SINGLE
			X
PRECEDENCE			
ACTION			
PRIORITY			
INFO			

DTG

230215Z DEC 70

FROM:

6994 SCTY SQ

TO:

PAC3CTYRCN/DOR/SP

SPECIAL INSTRUCTIONS

SUBJECT: WATER SOLUABLE PAPER, WAIVER

REF: A. USAFSS MSG 251610Z FEB 70, SAME SUBJECT

B. USAFSS/SP LIR DTD 07 JUL 70, WAIVER TO PARA 11-3B,  
USAFSSM 205-7.

1. REF A GAVE THIS UNIT WAIVER SO THAT THE NSA TASKING LISTING AND MISSION PRIORITY LISTING (CHERRY SHEETS) COULD BE CARRIED ABOARD MISSION ACFT WITHOUT BEING PRINTED ON WATER SOLUABLE PAPER. WAIVER TO EXPIRE 31 JULY 70. REF B EXTENDED THE WAIVER UNTIL 31 DEC 70, and INCLUDED HESTIA PADS.
2. REQUEST CONTINUATION OF WAIVER OR ADVISE IF OTHER ACTION CONTEMPLATED.

DATE	TIME
MON 33	1855
DEC	70
PAGE NO.	NO. OF PAGES
01	01

D R A F T E R	TYPED NAME AND TITLE	PHONE	R E L E A S E	SIGNATURE
		4891		
	TYPED (or stamped) NAME AND TITLE			
SEC	GARY D. BELCHER, CAPT, USAF			
	CHIEF OF STATION OFFICER			



5 DEC 1970 05 02

3590458ZCZCDB830944  
PP YMRJGR  
DE YHLAKZ 0008 3590225  
ZNY MMNSH  
P 242015Z  
FM PACSCTYRGN  
TO USAFSS/SP  
INFO 6994SCTYSO/DO  
ZEM

SUBJ: WATER SOLUBLE PAPER, WAIVER  
1. 6994 SCTY SO MSG DO 230215Z DEC 70 IS RETRANSMITTED FOR YOUR  
INFO AND ACTION: QUOTE:

P 230215Z

FM 6994SCTYSO

TO PACSCTYRGN/DOGR/SP

SECRET COMINT CHANNELS DO

SUBJECT: WATER SOLUBLE PAPER, WAIVER

REF: A. USAFSS MSG 251610Z FEB 70, SAME SUBJECT

B. USAFSS/SP LTR DTD 07 UL 70, WAIVER TO PARA 11-3B,  
USAFSSM 205-7.

1. REF A GAVE THIS UNIT WAIVER SO THAT THE NSA TASKING LISTING  
AND MISSION PRIORITY LISTING (CHERRY SHEETS) COULD BE CARRIED  
ABOARD MISSION ACFT WITHOUT BEING PRINTED ON WATER SOLUBLE  
PAPER. WAIVER TO EXPIRE 31 JULY 70. REF B EXTENDED THE  
WAIVER UNTIL 31 DEC 70, AND INCLUDED HESTIA PADS.

2. REQUEST CONTINUATION OF WAIVER OR ADVISE IF OTHER ACTION  
CONTEMPLATED.

UNQUOTE.

2. RECOMMEND WAIVER BE RENEWED.

200

0008



ZCZORDA178  
RR YWRDQR  
DE YWQADK 0007 3651430  
ZNY MMNSH  
R 311425Z  
FM USAFSS  
TO PACSCT YRGN/SP/DOR/  
6994SCT YSC/SP/DO/  
ZEM

SUBJ: WAIVER TO PARA 11-3B, USAFSSM 205-7.

1. REFERENCES:

- A. PSR MSG 242015Z DEC 70.
- B. 6994TH SCTY SQ MSG DO 230215Z DEC 70.

- 2. SUBJECT WAIVER IS APPROVED FOR CARRYING NSA TASKING LIST, MILLER  
HESTIA PADS AND ARDF TECH DATA ABOARD MISSION AIRCRAFT.
- 3. THIS WAIVER EXPIRES 31 DEC 71 UNLESS SOONER VACATED. FORMAL  
LTR FOLLOWS.

102

0007

NNNNEEEEEE A

1 JAN 1971 01 13  
FILE 620

DO/SP  
DO 83

Cy to DORT  
DDAM

sent to Dets



ZCZCRDA 746  
RR YMRDQR  
DE YHLAKZ 0030 274200  
ZNY MMNSH  
R 222040Z  
FM PAC SCTYRGN  
TO 6903SCTYSQ/DOX  
6918SCTYSQ/DOX  
6921SCTYGP/DOX A  
6922SCTYGP/DOX H  
6924SCTYSQ/DOX  
6927SCTYGP/DOE -4  
6986SCTYGP/DOX  
6987SCTYGP/DOX  
6988SCTYSQ/DO  
6990SCTYSQ/DO  
DET 1 6990SCTYSQ/DO  
DET 3 6994SCTYSQ/DO  
INF 0 6994SCTYSQ/DO  
YADHRC/CL-1 6988SCTYSQ/DO  
CL-2 6988SCTYSQ/DO  
ZEM

SUBJ: A/G/A COMMUNICATIONS STUDY GROUP

1. HIGH LEVEL EMPHASIS HAS BEEN PLACED ON THE EFFECTIVENESS OF THE REGION'S A/G/A COMMUNICATION SYSTEMS. WITH THE PRIMARY EMPHASIS ON THE UURC-53. WE THEREFORE, FORMED A PSR A/G/A COMMUNICATION

STUDY GROUP, CONSISTING OF REPRESENTATIVES FROM DO (DOA/DON/DOE/T DOX): DC (DOOC ANDL 0) LOS/LOM). REPRESENTATIVES FROM PACOM AREA ARE ALSO INVITED TO ATTEND EACH OF THE MONTHLY MEETINGS.

2. PURPOSE OF THE GROUP IS TO STUDY ALL ASPECTS OF THE REGION'S TOTAL A/G/A COMMUNICATION SYSTEMS. ISOLATE POTENTIAL PROBLEM AREAS AND RECOMMEND CORRECTIVE ACTION, ASSIGN SPECIFIC RESPONSIBILITIES AND ENSURE THAT FOLLOW-UP ACTION IS TAKEN.

3. DURING PAST MEETINGS WE UTILIZED TRIP REPORTS IN AN EFFORT TO DETERMINE PROBLEM AREAS ENCOUNTERED BY INDIVIDUAL UNITS. HOWEVER, WE ARE NOW GOING TO REQUEST THAT EACH UNIT ESTABLISH A SIMILAR A/G/A STUDY GROUP TO THIS HQS FOR INCLUSION AND DISCUSSION AT MEETINGS. AS A RESULT AN PSR WILL KNOW EXACTLY WHAT PROBLEMS EXIST AT EACH UNIT, WHAT ACTIONS HAVE BEEN TAKEN AT THE LOCAL LEVEL AND WILL BE IN A POSITION TO DETERMINE ACTIONS REQUIRED AT REGION LEVEL TO AID OF REVOLVING THE PROBLEMS. PSR WILL HOLD THEIR MEETINGS ON APPROXIMATELY THE 15TH OF EACH MONTH, UNTIL A/G/A COMM EFFECTIVENESS REACHES ACCEPTABLE LEVELS. APPRECIATE RECEIVING UR INPUT PRIOR TO PSR MEETINGS TO ASSURE MAXIMUM ATTENTION IS FOCUSED ON ALL PROBLEMS. UNDERSTAND THAT THE 987SG HAS FORMED SUCH A STUDY GROUP AND HAS REALIZED FAVORABLE RESULTS AS REFLECTED IN THE UNITS OVERALL URC-53 SYSTEMS RELIABILITY.

4. SUGGEST 6988SS AND 6990SS CONSOLIDATE RESPECTIVE UNIT AIRBORNE PROBLEMS FOR INCLUSION IN THEIR GROUP MINUTES.

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JOINT ME

RESERVED FOR COMMUNICATION CENTER

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TYPE MSG	BOOK	MULTI	SINGLE
		XXX	

PRECEDENCE
ACTION ROUTINE
INFO ROUTINE

DTG

13/1110Z SEP 70

FROM: 6994 SCTY SQ

SPECIAL INSTRUCTIONS

TO: PACSCTYRON/DONKA

INFO: NET 1, 6994 SCTY SQ/DO

NET 2, 6994 SCTY SQ/DO

NET 3, 6994 SCTY SQ/DO

SUBJECT: A/G/A COMMUNICATIONS STUDY GROUP (U)

REF A: PSR DONKA 222040Z AUG 70

REF B: PSR DONKA 272001Z AUG 70

REF C: [REDACTED] PL7-1467-70 PL710-464 07/0145Z AUG 70

REF D: NET 3, 6994S DO 090941Z AUG 70

MONTHS

1. A STUDY OF THE LAST SIX MONTHS FIGURES ON COMBAT CROSS/COMB-  
ANDO FORGE OPERATIONS IN SEA REVEALS THE EXTENT OF THE A/G/A KY-8  
CIPHER COMMS PROBLEM. AVERAGE FIXES PER TASKING CYCLE (7 DAYS),  
1329. AVERAGE PASS RATE - 86.5 PERCENT. AMONG THE REASONS FOR  
FIXES NOT PASSED WERE: KY-8 FAILURE, 34.4 PERCENT; NO CONTACT WITH  
DSU, 36.1 PERCENT; THE REMAINING 29.5 PERCENT NOT PASSED DUE TO  
EXCESSIVE STATIC, TARGET NOT CONFIRMED AS HOSTILE, FM TRANSCRIBER

DATE	TIME
13	1800H
MONTH	YEAR
SEP	1970
PAGE NO.	NO. OF PAGES
01	

D R A F T E R	FA	PHONE	SIGNATURE
	TYPED NAME AND TITLE	4641	
	ALFRED M. ROBBINS, SMSGT, USAF NCOIC, DORM		JACK BARNES, LTCOL, USAF OPERATIONS OFFICER
			REGARDING INSTRUCTIONS

DD FORM 173

REPLACES EDITION OF 1 MAY 58 WHICH MAY BE USED.

☆ GPO 1969-357-001



ABBREVIATED  
and/or CONT

CLASSIFICATION

PRECEDENCE		RELEASED BY	DRAFTED BY	PHONE
ACTION	ROUTINE	JACK BARNES, LTCOL, USAF OPERATIONS OFFICER	ALFRED M. ROBBINS MSGT NCOIC, ROOM	4661
INFO	ROUTINE			

FAILURE, FIX NOT PLOTTED UNTIL AFTER LANDING, ETC.

2. AS A RESULT OF THIS STUDY AND INPUTS FROM ALL DETACHMENTS, IT HAS BEEN DETERMINED THE FOLLOWING A/G/A VOICE CIPHER COMM PROBLEMS HAVE CONTRIBUTED TO THE HIGH PERCENTAGE OF FIXES/NOT PASSED.

- A. KY-8 MALFUNCTIONS PREVENTING CIPHER COMMS WITH DSU.
- B. LACK OF AN ALTERNATE FREQUENCY SOLELY FOR PLAIN MODE USE TO PASS HESTIA PAD ENCRYPTED FIXES AND TO RECEIVE G/A TIP-OFFS FROM DSU.
- C. LACK OF A BACK-UP KY-8 IN ACFT.
- D. LACK OF A MEANS FOR ENCRYPTION OF LOW-LEVEL (L/L) EXPLOITABLE MESSAGES.
- E. INSUFFICIENT FM FREQUENCIES ALLOCATED FOR ARDF USE.
- F. LACK OF UHF KY-8 CAPABILITY BY DSU'S IN CAMBODIA AND SVN.  
SU
- G. REFUSAL OF CERTAIN DSU TO ACCEPT FIXES NOT IN THE DSU AREA OF RESPONSIBILITY.
- H. FAILURE DSU TO MONITOR OR RESPOND TO PLAIN MODE CALLS BY ARDF ACFT.
- I. REQUIREMENT FOR CERTAIN A/G/A COMMS NOT ACTUALLY NEEDED TO SATISFY CURRENT OPERATIONAL REQUIREMENTS.
- J. INADEQUATE DSU COVERAGE IN CERTAIN AREAS.
- K. INTERFERENCE CAUSED BY PRESENT LOCATION OF THE FM 622A TRANSMITTER ANTENNA.

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	
		02	6	
REGRADE INSTRUCTIONS				



ABBREVIATED JOINT MESSAGE FORM  
and/or CONTINUATION SHEET

PRECEDENCE		RELEASED BY	DRAFTED BY	4641
ACTION	ROUTINE	JACK BARNES, LTCOL, USAF	ARNOLD M. ROBBINS, SMSGT	
INFO	ROUTINE	OPERATIONS OFFICER	NEOIC, DODM	

3. ACTIONS TAKEN BY THIS UNIT REGARDING THESE PROBLEMS AND  
SUGGESTED PROPOSED SOLUTIONS ARE AS FOLLOWS:

A. KY-8 MALFUNCTIONS: WE HAVE AGAIN BROUGHT THE HIGH RATE OF  
KY-8 FAILURES TO THE ATTENTION OF THE 460THW AND HAVE REQUESTED IMPROVED  
MAINTENANCE ON THIS EQUIPMENT. AN ENGINEERING STUDY OF THE  
KY-8 AND ITS PRESENT LOCATION IN THE ACFT TO DETERMINE THE ADEQUACY  
OF ITS COOLING COULD POSSIBLY REVEAL ADDITIONAL DATA ON REASONS FOR  
FREQUENT MALFUNCTION. WE WILL REQUEST SUCH A STUDY BE CONDUCTED BY  
460THW.

B. LACK OF ALTERNATE FREQUENCY FOR PLAIN MODE: THE AVAILABILITY  
OF A SEPARATE PLAIN MODE FREQUENCY COULD REDUCE THE LACK OF CONTACT  
WITH DSU. ACFT USING CIPHER MODE BLOCK OTHER ACFT ATTEMPTING TO PASS  
TFC IN PLAIN MODE WHEN BOTH MODES ARE USED ON SAME FREQUENCY. THE  
ADDITIONAL TIME REQUIRED TO PASS THE IN PLAIN MODE FURTHER AIDS TO  
FREQUENCY SATURATION. COORDINATION WILL BE CONDUCTED WITH 509TH  
REG IN AN EFFORT TO SECURE ADDITIONAL, SEPARATE FREQUENCIES.

C. LACK OF BACK-UP KY-8 IN ACFT: DURING 1969 THE SECOND KY-8  
WAS REMOVED FROM ALL ANDF ACFT. REINSTALLATION OF THIS EQUIPMENT  
WOULD SIGNIFICANTLY INCREASE PASS RATE. WIRING AND EQUIPMENT RACKS  
FOR THE SECOND KY-8 STILL EXIST IN OUR ACFT. BACK-UP KY-8 AT EACH  
DSU WOULD ALSO BE DESIRABLE AS OUTAGES AT THESE UNITS ALSO CONTRI-  
BUTE TO LACK OF CONTACT. REQUEST YOUR HQ INVESTIGATE POSSIBILITY

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	INITIALS
		3	6	
REGRAIDING INSTRUCTIONS				



ABBREVIATE and/or CO		FORM	SEC	ITY CLASSIFICATION
PRECEDENCE	RELEASED BY	CRYPTED BY	4641	
ROUTINE	JACK BARNES, LTCOL, USAF	ALFRED M. ROBBINS, SMSGT,		
ROUTINE	OPERATIONS OFFICER	MOIC, DOM		

OF OBTAINING BACKUP KY-65.

D. LACK OF MEANS TO ENCRYPT LOW-LEVEL MESSAGES: THE HESTIA PAD CANNOT BE USED FOR ENCRYPTION/PASSING OF L/L MESSAGES, IN THE PLAIN MODE. WHEN KY-6 FAILS, THESE MESSAGES CANNOT BE PASSED A/G.

E. INSUFFICIENT FM A/G/A FREQUENCIES: ADDITIONAL FM FREQUENCIES ALLOCATED FOR USE IN CIPHER MODE WOULD REDUCE THE TIME REQUIRED TO PASS FIXES/MESSAGES. WHENEVER ONE ACFT IS PASSING TFC IN CIPHER AND ANOTHER ACFT KEYS HIS FM TRANSMITTER IN CIPHER, THE KY-6 GOES OUT OF SYNCH REQUIRING REPEATED TRANSMISSIONS AND HEADBACKS. SEVERAL DSU SHARE THE SAME FREQUENCIES AT PRESENT. (REF PARA THREE BRAVO THIS MESSAGE).

F. LACK OF UHF KY-6 CAPABILITY BY DSU'S: A BACK-UP SYSTEM WOULD PROVIDE AN ALTERNATE MEANS OF CONTACTING THE DSU IN EITHER PLAIN OR CIPHER MODES. ALL ARDF ACFT HAVE UHF/KY-6 CAPABILITY BUT DSU'S IN VIETNAM/CAMBODIA DO NOT. NET 3 CURRENTLY USES UHF/KY-6 A/G/A M DOM BUT THEIR GROUND STATIONS DO NOT POSSESS FM/KY-6 CAPABILITY.

G. REFUSAL OF CERTAIN DSU TO ACCEPT FIXES NOT IN THEIR AREA OF RESPONSIBILITY. THIS PROBLEM HAS RECENTLY BEEN BROUGHT TO THE ATTENTION OF THE 509TH REG FOR THEIR RESOLUTION.

H. FAILURE OF DSU TO MONITOR FOR OR RESPOND TO PLAIN MODE CALLS BY ARDF ACFT. WE HAVE RECENTLY RECOMMENDED TO THE 509TH REG THAT ALL DSU MONITOR IN PLAIN MODE AT 25 AND 55 MINUTES AFTER EACH HOUR FOR

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
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DEGRADING INSTRUCTIONS



ABBREVIATED  
and/or CONT

SECURITY CLASSIFICATION

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ROUTINE	JACK BARNES, LTCOL, USAF	ALFRED M. ROBBINS, SMSGT	4641
ROUTINE	OPERATIONS OFFICER	NOCH, ROOM	

LIMITED TO THOSE PERIODS WHEN MINIMUM INTERFERENCE WITH MISSION ACTIVITIES WILL RESULT. HOWEVER THIS CAUSES BACKLOGS OF TRAFFIC/ DOES NOT PASSED DURING AN ACTIVE MISSION. OPERATORS ARE FACED WITH THE DILEMMA OF DECIDING WHETHER TO PASS TPC ON HAND OR FIX ASSIGNED TARGETS THAT ARE ACTIVE BUT NOT YET FIXED.

THE STUDY AND RESOLUTION OF THESE A/G/A PROBLEMS BY SUBJECT GROUP WILL GREATLY IMPROVE ANDP OPERATIONS. WE WILL CONTINUE TO WORK WITH ALL AGENCIES CONCERNED IN AN EFFORT TO IMPROVE OUR PASS RATE. OUR ASSESSMENT IS THAT WHILE A MEASURE OF IMPROVEMENT CAN BE MADE, IT IS PROBABLE THAT THE OBJECTIVE OF 100 PERCENT PASS RATE IS UNREALISTIC, PARTICULARLY IN THE AREA OF VOICE EXPLOITABLES.

CONTROL NO.	173-1	PAGE NO.	6	NO. OF PAGES	6	MESSAGE IDENTIFICATION	INITIALS
						REGARDING INSTRUCTIONS	



## JOINT MESSAGEFORM

RESERVED FOR COMUNICATION CENTER

SECURITY CLASS

TYPE MSG

BOOK MULTI SINGLE

XXX

PRECEDENCE

ION ROUTINE

DTG

27/0844Z

OCT 70

FROM: 6994 SCTT SQ

TO: USM-704

INFO: PACCTTCM/DCR

SPECIAL INSTRUCTIONS

BJ: UNF-2 Capability (U)

THE ARDP UNIT AT TAN SON NHUT (USA-561) HAS RECENTLY ESTABLISHED CAPABILITY TO COMBAT ITS AIRCRAFT G/A. WE WILL BE USING THE F-2 TRANSMITTER IN THE SECURE MODE FOR ALL TRANSMISSIONS. WE ARE PLANNING TO USE THE SYSTEM FOR THE FOLLOWING PURPOSES ONLY:

GROUND CHECK ENTER RI-8 SYSTEM TO INSURE ITS OPERATIVE.

PASS A/G FILES AND EXPLOITABLE MSGS ONLY WHEN A DSU CANNOT BE CONTACTED.

ATTEMPT IDENTIFICATIONS ONLY WHEN THE DSU CANNOT BE CONTACTED.

ONE EQUIPMENT HAS BEEN TESTED AND PRESENTLY HAS A RANGE OF 120 MILES. THE QUESTION ARISES AS HOW TO PASS THE FILES AND EXPLOITABLE MSGS. WE NOW REPORT THIS DATA IN AIR AND SEATS HOWEVER THIS OCCURS WITHIN THREE HRS AFTER ACFT RECOVERY. THERE ARE NO ESTAB PROCEDURES FOR MORE TIMELY TRANSMISSION OF INDIVIDUAL FILES AND MSGS RECEIVED

DATE	27	TIME	
MONTH	OCT	YEAR	70
PAGE NO.	1	NO. OF PAGES	1

TYPED NAME AND TITLE

PHONE

4642

RELEASED

SIGNATURE

CJM

Capt Miller/eds

TYPED (or stamped) NAME AND TITLE  
EDWARD J. MILLER, Captain, USAF  
OIC Mission Management

SECURITY CLASS

D FORM 1 NOV 67

REPLACES EDITION OF 1 MAY 66 WHICH MAY BE USED.

☆ GPO 1669-257-001







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File INTL  
DOR

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DO ~~82~~  
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13 NOV 1970 05 21

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E YHLAKZ 0036 3170245  
NY MMNSH  
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O CGUSASAPAC  
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994SCTYSQ/DO/  
ET 3 6994SS/DO/  
ET 4 PSR/CC/  
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*[Handwritten signature]*

ec7.com



SECRET

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PP YMRDQR  
DE YHIAKZ 0038 5582239  
ZNT MMNSM  
P 242100Z  
FM PACSCTYRGN

6994 SCRY SQ/DO  
DET 3 6994 SCTY SQN/DO  
DET 4 PSR/CC  
USAFSS/DOR  
NSAPAC  
ZEM

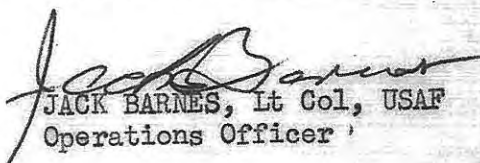
REF YOUR 240936Z DEC 70 (NOTAL NSAPAC).

1. DUE TO NECESSITY FOR UTMOST SECURITY WITH REGARD TO ARDF MISSION OF EC-47 AIRCRAFT, DO NOT CONCUR WITH CLEAR VOICE COMMUNICATIONS TESTING UNLESS EQUIPMENT INSTALLATION/MAINTENANCE DIFFICULTIES ARISE WHICH MAKE CLEAR MODE TESTING ABSOLUTELY NECESSARY TO BRING EQUIPMENT TO OPERATIONAL STATUS. REQUEST INITIAL COMM TESTING BE CONDUCTED IN CIPHER MODE ONLY.
2. FOR [REDACTED]: AS DISCUSSED DURING 1 DEC MEETING AT UDORN, WE PLANNED TO USE FORMER USM-7 FREQUENCY AND CALLSIGN ALLOCATION FOR [REDACTED] GROUND STATION. PLEASE ADVISE ALCON OF STATUS YOUR ACTIONS TO OBTAIN MAC THAI APPROVAL THIS ARRANGEMENT AND ALSO STATUS YOUR EFFORTS TO OBTAIN PERMANENT CALLSIGN FOR [REDACTED]
3. FOR 6994SS: CONCUR WITH PROPOSED 31 DEC TEST WITH DET 2 IF ABOVE QUESTIONS ARE CLARIFIED. REQUEST YOU DEVELOP SPECIFIC PROCEDURES FOR COMM TESTING. TRAFFIC FORMAT AND TIMES OF CONTACT. PLEASE ADVISE ALCON ASAP.

240

0058

THIS IS A TRUE CERTIFIED COPY.

  
JACK BARNES, Lt Col, USAF  
Operations Officer

46



## JOINT MESSAGEFORM

RESERVED FOR COMMUNICATION CENTER

SECURITY

TYPE MSG

MULTI SINGLE

X

PRECEDENCE

ACTION PRIORITY

INFO

DTG

26/0831Z DEC 70

FROM: 6994 SGTI SQ THE BTH

SPECIAL INSTRUCTIONS

TO: DET 2, 6994 SGTI SQ/DO

INFO:

BRAPAC

DET 3, 6994 SGTI SQ/DO

DET 4, PACSGTYRCH/CC

PACSGTYRCH/DCR

USAFPS/DCR

SUBJ: PAKSE KI-8 COMMUNICATIONS TEST

REFS: A. PACSGTYRCH DCR 242100Z DEC 70 (TOTAL DET 2)

B. [REDACTED] 240936Z DEC 70. (TOTAL DET 2)

1. REF ALPHA AUTHORIZES TEST OF PAKSE KI-8 COMMUNICATIONS FACILITY, AS REQUESTED IN REF BRAVO, DURING DET TWO 910 BRAVO NEW ON 31 DEC. NEW HAS SEND ITOT OF 0400Z. TEST IS CONTINGENT ON CLARIFICATION OF PAKSE FREQUENCY AND CALLSIGN USAGE POSED IN PARA 2, REF ALPHA.

2. ASSUMING [REDACTED] RESOLUTION OF FREQ AND C/S USAGE, YOU

DATE 26	TIME 1430
MONTH DEC	YEAR 70
PAGE NO. 1	NO. OF PAGES 2

TYPED NAME AND TITLE

PHONE

4891

RELEASE

SIGNATURE

Same as Releaser/drs

TYPED (or stamped) NAME AND TITLE

GARY D BLECHER, Captain, USAF  
Asst Operations Officer

SECURITY CLASSIFICATION

REGRADING INSTRUCTIONS

DD FORM 173  
NOV 68

REPLACES EDITION OF 1 MAY 65 WHICH MAY BE USED Government Printing Office: 1968-332-167



ABREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

SECURITY CLASSIFICATION

PRECEDENCE	RELEASED BY
ACTION PRIORITY	Capt Balcher
INFO	

SHOULD PLAN TO CONDUCT TEST AS REQUESTED. RECOMMEND SKEW OF 15 AND 45 MINUTES PAST THE HOUR FOR MINIMUM OF TEN MINUTE EACH FOR DURATION OF TIME IN AREA. MAINTAIN COMPLETE LOG OF ATTEMPTS INCLUDING TIMES OF CALLUPS, APPROX LOCATION, DEGREE OF SUCCESS AND ANY PERTINENT REMARKS OR SUGGESTIONS. REPORT RESULTS OF TEST TO ADDRESSEES OF THIS MSG UPON MSG RECEIPT.

1. PER PARA ONE, REF ALPHA, DO NOT ATTEMPT CLEAR VOICE COMMS WITHOUT APPROVAL OF HIGHER EMB.
2. DIRECT LIAISON AUTHORITY WITH [REDACTED] TO COORDINATE PROCEDURES, FRAGS, CALLS, OR OTHER MATTERS PERTINENT TO TEST.
3. FOR DET 3. REQUEST YOU MONITOR TEST PROCEDURES CLOSELY TO FACILITATE YOUR ENTRY INTO PROGRAM.
4. FOR [REDACTED] REQUEST DET TWO BE INCLUDED IN ALL CORRESPONDENCE THIS SUBJ.
5. FOR DET 2. MSGS BEING SENT TO YOU BY SEPARATE MSG.

CONTROL NO.	TON/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
[REDACTED]	[REDACTED]	2	2	[REDACTED]	[REDACTED]
INSTRUCTIONS					

DD FORM 173-1



FILE: IN 5-5 R

011855Z JUL 70

2 JUL 70 2:26 Z

DM  
6994  
Planning / Logistics

~~1 JUL 70~~  
1 JULY  
1855

ROUTINE

PT 00223  
RTTSZYUW RUNTEJAD290 1822000-SSSS--RUSQNA.

ZNY SSSSS

R 011855Z JUL 70

FM USAFSS

TO RUHHABA/CINCPACAF/DML

INFO RUEFHQA/CSAF/AFNIYSB/AFSMEME

RUEADWS/CH USAFSS/FT GEORGE G MEADE MD

RUSQNA/7AF/DML/TAN SON NHUT AFLD RVN

RUVARIA/AFLC/MCNA-1/MCMX

RUVRRIA/WRAMA/WRNT/WRNC/ROBINS AFB GA

RUHHWHA/PACSCITYRGN/LO:DO/WHEELER AFB HAWAII

RUSQNA/6994SCTYSQ/CDR/TAN SON NHUT AFLD RVN

BT

S UORJ: VIETNAMIZATION OF COMBAT CROSS [REDACTED] CINCPACAF  
(DML) FOR COLONEL T. E. BROUGHTON. REFERENCES:

A. JCSM 202-70.

B. USAF MATERIEL GUIDANCE FOR VNAF LOG SYSTEM, MAY 70.

1. THIS COMMAND HAS QUERIED CSAF FOR ANY INFORMATION  
OR DIRECTION THAT HAS BEEN DISSEMINATED CONCERNING THE  
VIETNAMIZATION OF THE COMBAT CROSS AIRCRAFT. IN REPLY

PAGE 2 RUNTEJAD290 [REDACTED]

WE WERE ADVISED TO CONTACT YOUR HEADQUARTERS. ASSUME  
YOU HAVE RESPONSIBILITY TO DEVELOP IMPLEMENTATION PLAN  
FOR TURNOVER OF EC-475.

2. USAFSS IS THE SOLE OPERATOR AND POSSESSES THE ONLY  
ON-SITE LOGISTICS SUPPORT CAPABILITY FOR COMBAT CROSS USAFSS MISSION  
EQUIPMENT. ALSO INCLUDED IS AFLC (MCMX) FOR BIG SAFARI SUPPORT  
AND WRAMA (WRNC/WRNT) FOR ARDF SUPPORT. TO DATE,

OUR PLANNING EFFORTS FOR TRAINING AND TRANSFER OF SUPPORT  
RESPONSIBILITY HAVE BEEN SEVERELY HAMPED DUE TO A LACK  
OF INFORMATION. WE ARE DEVELOPING A DRAFT PLAN BASED  
ON BEST INFO HERE.

A. THERE HAVE BEEN LIMITED INSTRUCTIONS OR GUIDELINES  
CONCERNING TRAINING OF VNAF TECHNICIANS. VNAF OPERATORS  
HAVE BEEN ADDRESSED. NEEDED INFO IS:

(1) WILL WE HAVE TO TRAIN MAINTENANCE VNAF  
TECHNICIANS HOW MANY

(2) WHAT IS THEIR TECHNICAL CAPABILITY/PROFICIENCY  
HOW PROFICIENT IN ENGLISH

(3) IF TRAINING IS REQUIRED, IT MUST BE FORMAL  
CLASSROOM AND OUT. WE ASSUME THE TRAINING LOCATION WILL HAVE

PAGE 3 RUNTEJAD290 [REDACTED]

TO BE TAN SON NHUT.

B. UNTIL VNAF MAINTENANCE TECHNICIANS ARE PROFICIENT,  
WILL USAFSS BE REQUIRED TO MAINTAIN THE AN/ALR-34 SYSTEMS,  
6 EQUIPMENT AND KY-8 EQUIPMENT, OR WILL CONTRACTOR TECHNICIANS

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\* [REDACTED] \*  
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ROUTINE

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\* [REDACTED] \*  
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PT 00223

BE PROVIDED UNDER THE MILITARY ASSISTANCE PROGRAM  
C. LOGISTICS SUPPORT IS ANTOEHRER AREA OF CONVER. SOME  
OF THE EQUIPMENT INSTALLED IS NOT FEDERAL STOCK NUMBERED  
AND IS SUPPORTED BY THE BIG SAFARI PROGRAM.

(1) WHAT TYPE OF SUPPLY SUPPORT IS ENVISIONED WILL  
IT BE USAF OR VNAF OPERATED WHO WILL MAINTAIN THE FX  
ACCOUNT

(2) HOW WILL ADDITIONAL SPARES BE PROCURED WHO  
WILL PROGRAM FUNDS FOR SPARES

D. AVAILABILITY OF AGE IS ANOTHER CRITICAL ITEM. THE  
MAJORITY OF THE AGE IS UNIQUE WITH NO OTHER USAF APPLICATION.  
THIS COMMAND HAS STATED THAT ONE SET CAN BE PROVIDED, BUT  
NOT UNTIL THE TURNOVER IS COMPLETE AND ONE OF OUR UNITS  
IS INACTIVATED WHICH APPEARS TO BE SOMETIME DURING FY 73.

(1) HAVE ANY PLANS BEEN MADE TO PROCURE  
ADDITIONAL AGE IF SO, WHEN WILL IT BE AVAILABLE

PAGE 4 RUWTEJA0290 [REDACTED]

(2) REF A CONCEPT OF OPERATIONS INDICATES FOUR  
OPERATING LOCATIONS. OUR COMMITMENT FOR AGE WILL SUPPORT  
ONE SITE. HOW WILL THE REMAINING SITE, BE SUPPORTED

3. REALIZE THE ABOVE QUESTIONS ARE BOTH GENERAL AND  
SPECIFIC, BUT THE VIETNAMIZATION OF THE COMBAT CROSS  
WILL HAVE A DECIDED IMPACT ON USAF SUPPORT POSTURE.  
ANY COMMENTS OR DOCUMENTATION YOU MAY HAVE CONCERNING  
OPERATIONAL AND LOGISTICS CONCEPTS, SUPPORT PROCEDURES AND  
POLICIES, AND TARGET DATES FOR VIETNAMIZATION SHOULD BE  
PROVIDED TO THIS HEADQUARTERS, LO/XR.

4. WE RECOMMENDED A CONFERENCE BE HELD SOONEST AT  
YOUR HEADQUARTERS ON THIS SUBJECT WITH REPRESENTATIVES  
FROM CSAF, PACAF, 7AF, 460TRW, TAC, AFLC,  
WRAMA, ASD, USAFSS, PAC SCTY RGN, AND THE 6994TH  
SCTY SO SO WE CAN DETERMINE RESPONSIBILITIES AND MAKE SOME  
FIRM DECISIONS TO SUPPORT THE VIETNAMIZATION PROGRAM.

5. FOR AFLC/WRAMA: SINCE YOU WILL BE PROVIDING  
THE LOGISTICS SUPPORT FOR THIS PROGRAM, REQUEST YOUR  
THINKING AND ACTION TAKEN TO DATE. WILL YOU BE USING  
MAP PROCEDURES WHAT ARE YOUR RECOMMENDATIONS

PAGE 5 RUWTEJA0290 [REDACTED]

6. FOR PAC SCTY RGN: USAFSS/PAC SCTY RGN LOGISTICS  
RESPONSIBILITIES SHOULD BE ABLE TO BE DETERMINED FOLLOWING SUGGESTED  
MEETING AND RECEIPT OF ABOVE REQUESTED INFO. REQUEST  
YOU ESTABLISH CONTACT WITH PACAF PROJECT OFFICER. GP1.

BT

#0290

NNNN\*

5 10 5 50 1

ROUTINE

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\* [REDACTED] \*  
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ROUTINE

PT 00333

RTTSZYUW RUHHWHA1764 2240329-SSSS--RUSQNA.

ZNY SSSSS

R 120214Z AUG 70

FM PACSCTYRGW WHEELER AFB HAWAII

TO RUSQNA/66945CTYSO LG TSN AB RVN

INFO RUTTEJA/USAFSS XRXG LOXA

BT

SUBJ: COMBAT CROSS VIETNAMIZATION

UNTIL SUCH TIME AS POLICIES AND PROCEDURES ARE ESTABLISHED BETWEEN VARIOUS USAF/ODD AGENCIES INVOLVED IN TRANSFER OF EC-47 AIRCRAFT TO VNAF, ALL REQUESTS FOR INFORMATION OR ASSISTANCE CONCERNING LOGISTICS ASPECTS OF COMBAT CROSS VIETNAMIZATION, SHOULD BE DIRECTED TO THIS HQ/LOG/ODD.

GP-1.

BT

#1764

NNNN

ROUTINE



ZCZORDU149  
PP WRDQR  
DE YHLAKZ 2 1820009  
P 010007Z  
FM PACSOT YRGN  
TO 6994 SGT YSQ/CC  
ZEM

SUBJ: VIETNAMIZATION OF ARDF

REF: A. YOUR CC 301025Z JUN 70  
B. MY DOA 090301Z JUN 70  
C. USAFSS 112035Z JUN 70  
D. MY DOA 152139Z JUN 70  
E. MY DOA 170126Z JUN 70 SSKO has copy  
F. YOUR 250114Z MAY 70

1. YOUR ARE AN ADDEE ON REFS B THRU E. THESE MSGS ALL PERTAIN TO VIETNAMIZATION OF THE ARDF PROGRAM AND PROVIDE LATEST INFORMATION AVAILABLE. REF C IS USAFSS GUIDANCE AND PARA 2 ACCEPTS THE 6994 PROPOSED SQUADRON AS BEING REALISTIC. REF B AUTHORIZES YOU TO PARTICIPATE IN DISCUSSIONS WITH BOTH 7AF AND NRV [REDACTED] AS APPROPRIATE. BASED ON YOUR CC 301025Z (REF A) IT MAY BE THAT SOME OF REF MSGS WERE LOST IN TRANSMISSION. WE ARE PREPARING A COURIER PACKAGE OF ABOVE REFS TO BE FORWARDED.

2. WE CONCUR WITH YOUR PROPOSAL TO ASSIST NRV [REDACTED]. HOWEVER, WE ARE OPPOSED TO AN INTEGRATED VNAF/ARVN SQUADRON. BELIEVE A VNAF SQUADRON AS ORIGINALLY PROPOSED BY YOU IS BEST STRUCTURE. WOULD APPRECIATE ANY SPECIFIC RATIONALE BEHIND NRV [REDACTED] CONCEPT OF AN INTEGRATED VNAF/ARVN SQUADRON.

210

0007  
010007Z JUL 70

Planning  
VNAF vs ARVN JULY  
0007



## JOINT MESSAGEFORM

RESERVED FOR COMMUNICATION CENTER

FILE: INT 5-58

TYPE MSG

X

PRECEDENCE

ACTION ROUTINE

INFO

DTG

04/0935Z JUL 70

FROM: 6994 SCTY SQ

TO: PACSCTYRGN/DOA

SPECIAL INSTRUCTIONS

Planning  
ARVN  
VNAF  
4 JULY  
0935

SUBJ: VIETNAMIZATION OF ARDF

REF A. MY 301025Z JUN 70.

B. YOUR 010007Z JUN 70.

C. MY 250114Z May 70.

APPRECIATE COURIER PACKAGE IN REF B. AM IN RECEIPT OF ALL EXCEPT YOUR 170128Z AND HAVE MAINTAINED LIAISON AND PARTICIPATED IN DISCUSSIONS AS AUTHORIZED. AS RESULT OF DISCUSSIONS THE MANNING STRUCTURE OF THE PROPOSED SQUADRON IS ALMOST IDENTICAL TO THE VNAF SQ COMPILED BY THIS UNIT. IT WAS PRIMARILY BECAUSE OF THE INSISTANCE OF THE CHIEF SSTB THAT INTEGRATED SQUADRON UNDER COMMAND OF THE SSTB WAS SELECTED. HAVE BEEN INFORMED BY NRV [REDACTED] THAT BOTH OPTIONS WERE PRESENTED TO CHIEF SSTB AND HE INSISTED ON THE MIX BECAUSE OF THE FLEXIBILITY HE WOULD HAVE FOR PERSONNEL INPUTS TO THE SYSTEM FROM EXISTING RESOURCES. FURTHER INQUIRY HAS REVEALED THAT ON OR ABOUT 10 MAY 70 RVNAF JGS REQUESTED MACV TO APPROVE THE TRANSFER FROM VNAF [REDACTED] TO ARVN (FOR SUBSEQUENT ASSIGNMENT TO SSTB) APPROXIMATELY 320 PERSONNEL SPACES TO BE OCCUPIED BY BACK-END OPERATORS. MACV REQUESTED

DATE	TIME
04	0930
MONTH	YEAR
JUL	70
PAGE NO.	NO. OF PAGES
1	3

TYPED NAME AND TITLE

PHONE

SIGNATURE

LT COL BARNES

4437

RELEASE

TYPED (or stamped) NAME AND TITLE

JACK BARNES, Lt Col., USAF  
Commander

SECURITY CLASSIFICATION

DD FORM 173  
NOV 68

REPLACES EDITION OF 1 MAY 58 WHICH MAY BE USED.

GPO 1969-357-901



ABBREVIATION

and/or

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION ROUTINE	LT COL BARNES	LT COL BARNES	4437
INFO			

COORDINATION BY INTERESTED AGENCIES ON HIS PROPOSED RESPONSE TO JGS WHICH STATED IN PART QUOTE: MACV POSES NO OBJECTION TO TRANSFERRING OPERATORS OF THE BACK-END EQUIPMENT INSTALLED IN THE EC-47 AIRCRAFT TO THE [REDACTED] J7/JGS. UNQUOTE. ON 20 MAY 70 THE FOLLOWING OFFICES COORDINATED ON A PAPER FROM AFGP TO MACV DISAGREEING WITH THE INTEGRATED CONCEPT AND THE NUMBER OF PERSONNEL INVOLVED: AFGP, 7AF DO, DOE, DIP, DPL, DI, AND CS. 6994 SS HAD PARTICIPATED IN CONVERSATIONS BUT WAS NOT ASKED TO COORDINATE ON THE PAPER. ON 21 MAY 70 THE COMMANDER 7AF CALLED A MEETING OF ALL THOSE WHO DISAGREED WITH MACV PROPOSED REPLY. 6994 SS WAS NOT INVITED. AT THE CLOSE OF THE MEETING THE VAST MAJORITY OF THOSE IN ATTENDANCE AGREED TO THE MACV PROPOSED REPLY AND COORDINATED ON A REVISED PAPER STATING CONCURRENCE WITH MACV REPLY BUT RECOMMENDED CHANGING THE NUMBER OF PERSONNEL SPACES INVOLVED FROM 320 to 137. AGAIN, 6994 SS WAS NOT ASKED TO OFFICIALLY COORDINATE. 6994 SS SUBSEQUENTLY DEVELOPED THE VNAF SQUADRON STRUCTURE (REF C) AND HAVE ASSISTED NRV [REDACTED] IN DEVELOPING THE SQUADRON AS REQUESTED. DEVELOPMENT CONTINUES TO FOLLOW THE STRUCTURE OUTLINED IN REF C AS PERTAINS TO NUMBER AND AFSC OF PERSONNEL. FURTHER, THE SUBJECT OF VNAF VS INTEGRATED SQUADRON HAS BEEN THOROUGHLY DISCUSSED BY MACV, NRV [REDACTED], CAS, 509 BRG AND 6994 SS. DURING INITIAL DISCUSSIONS IT WAS GENERALLY AGREED THAT THE VNAF STRUCTURE WAS THE MOST PRACTICAL.

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
		2	3		
REGRADE INSTRUCTIONS				SEC [REDACTED]	



ABBREVIATED MESSAGEFORM  
and/or CONTINUATION SHEET

PRECEDENCE		RELEASED BY	DRAFTED BY	PHONE
ACTION	ROUTINE	LT COL BARNES	LT COL BARNES	4437
INFO				

AFTER MUCH THOUGHT AND AS RESULT OF THE INSISTENCE OF THE CHIEF  
SSTB THE MAJORITY OF ALL AGENCIES CONCUR WITH THE INTEGRATED CONCEPT.  
PRESENT INDICATIONS ARE THAT THE PROPOSED INTEGRATED SQUADRON UNDER  
COMMAND OF THE SSTB WILL BE PRESENTED TO RVNAF JGS FOR REVIEW. WILL  
CONTINUE TO WORK FOR VNAF SQUADRON BUT SEE NO WAY TO FORCE ISSUE AT  
THIS LEVEL.

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
		3	3		
REGADING INSTRUCTIONS					



3

FILE: INT 5-6 R

DO  
VIM  
file

ce  
R2  
SSLO  
C/TO

X

PRIORITY

6994 SCTYBQ

USAFSS/CC/XR

PACSCYRGN/CC/LO/DO

050815Z NOV 70

VNAF VS ARVN

C/TO:

SSLO

SUBJ: STATUS OF EC-47 **TURN**OVER PLANNING ACTIONS (U).

1. REF MY CC 010316Z NOV 70 AND PACSCYRGN DO 030256Z NOV 70.

AT THE SUGGESTION OF B/GEN SYKES 7AF DI, WHO COORDINATED ON MY REF CC MSG, I DISCUSSED THE MATTER OF REOPENING THE ISSUE OF THE SPLIT ARVN/VNAF SQUADRON STRUCTURE WITH B/GEN YOUNG, THE AFGP CHIEF, AND RAN INTO A STONE WALL. GEN YOUNG STATED THAT HE WOULD NOT SUPPORT CHANGING THE PRESENT SPLIT CONCEPT AT THIS LATE DATE, AND IN FACT WOULD NOT AGREE TO CHANGING THE MISSION MAINTENANCE FUNCTION TO A VNAF RESPONSIBILITY (t)

GEN YOUNG'S VIEWS ON THIS WERE SO STRONG THAT I WAS UNABLE TO PROCEED VERY FAR WITH MY ARGUMENTS OR GET HIM TO READ THE TALKING PAPER OR MY REFERENCED MSG. HE STATED THAT 7AF HAD ALREADY ESTABLISHED A POSITION ON THIS SEVERAL MONTHS AGO WHEN GEN BROWN DECIDED (IN THE FACE OF STAFF OPPOSITION I UNDERSTAND) TO GO ALONG WITH THE SPLIT CONCEPT USING THE RATIONALE THAT THE

5 0930  
NOV 1970  
1 4

3623

LtCol Inge/lss/CC

LEON S. INGE, Lt Colonel, USAF  
Commander



VIETNAMESE WANT IT THAT WAY AND THE U.S. SHOULD NOT TRY TO SUPER-  
IMPOSE ITS ORGANIZATIONAL CONCEPTS ON THE VIETNAMESE (THIS SEEMS  
IRONIC SINCE THE U.S. ALREADY SUCCESSFULLY PATTERNED THE RVNAF  
STRUCTURE LARGELY IN ITS OWN IMAGE). GEN YOUNG BELIEVES THE OPER-  
ATION CAN BE MADE TO WORK IN SPLIT FASHION, FEELS THAT 7AF MUST  
BE CONSISTENT WITH ITS PAST POSITION, AND STATED THAT SINCE THE  
VNAF AND ARVN FORCE STRUCTURES WERE ALREADY FIRMLY PROGRAMMED,  
THAT CHANGING OF RELATIVE MEMBERS (I.E. TRANSFERRING ARVN SPACES  
TO VNAF) WOULD THROW TIGHT TRAINING SCHEDULES AND UNIT ACTIVATION  
OBJECTIVES OUT OF KILTER. I'M UNABLE TO FOLLOW THIS LINE OF  
REASONING, ESPECIALLY SINCE THE PROPOSED SQUADRON STRUCTURE HAS  
YET TO BE PRESENTED TO THE SSTS AND THE JCS WHERE IT WILL ALMOST  
CERTAINLY UNDERGO SOME MODIFICATIONS. I COMMENTED TO GEN YOUNG  
THAT THE ESTABLISHED 7AF POSITION MAY HAVE BEEN INCORRECT SINCE IT  
APPARENTLY WAS ARRIVED AT WITHOUT DUE CONSIDERATION OF THE  
PECULIARITIES OF EC-47 ANDF OPERATIONS WHICH CERTAINLY ARE NOT  
FULLY UNDERSTOOD BY THE VIETNAMESE EVEN TODAY. GEN YOUNG APPEARED  
ADAMANT AND THE DISCUSSION ENDED. I WAS QUITE SURPRISED AT THIS  
VIEWPOINT SINCE IN PREVIOUS DISCUSSIONS WITH THE AFOP PLANS AND  
PROGRAMS STAFF, THEY EXPRESSED SUPPORT FOR AN ALL VNAF SQUADRON.

2. I HAD PREPARED A SHORT FLIP BRIEFING INTENDED FOR GEN CLAY,  
OUTLINING BACKGROUND, ISSUE, FACTORS PRO AND CON, RECOMMENDED



U.S. (USAF) POSITION, RATIONALE, AND RECOMMENDED ACTION (I.E. RECONSIDER SINGLE/SPLIT ISSUE AND PURSUE WITH MACV AT STAFF LEVEL FIRST AND THEN PERHAPS ON COMMANDER LEVEL). WITHOUT AFGP SUPPORT OR AT LEAST NEUTRALITY, AM IN UNTENABLE POSITION IN ATTEMPT TO REACH GEN CLAY. IN VARIOUS RECENT CONTACTS WITH 460TH COMMANDER, AIR FORCE ELEMENTS AT MACMA, AND MACV J-2114, I HAVE EXPLAINED ENTIRE ARGUMENT AND RECEIVED VERBAL SUPPORT AT LEAST. AM UNSURE WHO IS WILLING TO FORMALLY NONCONCUR WITH NRV [REDACTED] PROPOSED PACKAGE, ASIDE FROM THIS UNIT. SINCE TIME APPEARS TO BE OF THE ESSENCE, A PERSONAL MESSAGE FROM GEN STAPLETON TO GEN CLAY MAY WELL PROVIDE AN OPPORTUNITY TO SURFACE THE ISSUE FOR FURTHER CONSIDERATION.

3. IN CONVERSATION WITH COL BOOTH, NRV [REDACTED], THIS DATE, I LEARNED THAT AN NSA POSITION PAPER ON THIS ISSUE, AMONG OTHER VIM MATTERS, HAS BEEN PREPARED FOR ADM GAYLER. IN IT, THE USAFSS OBJECTION TO THE SPLIT SQUADRON WAS DULY NOTED, BUT DISREGARDED ON THE BASIS THAT COL [REDACTED] (SSTB) HAS STATED HIS RELUCTANCE TO ALLOW VNAF INTO THE SSTB STRUCTURE, THAT THE U.S. SHOULD ALLOW THE VIETNAMESE TO DO THINGS THEIR WAY, AND THAT COL [REDACTED] MUST HAVE CONSIDERED AND ACCEPTED THE DIFFICULTIES INHERENT IN THIS TYPE OF OPERATION. IN OUR JUDGEMENT, THESE ARGUMENTS ARE SPECIOUS AND IRRELEVANT REGARDING THE OBJECTIVE OF EFFICIENT EMPLOYMENT OF THE EC-47 ARDP SYSTEM.



4. NRV [REDACTED] HAS DECIDED TO PRESENT THE PROPOSAL PACKAGE TO SSTB VICE JCS. WHEN AND IF I RECEIVE THE OPPORTUNITY TO VISIT COL [REDACTED] TOGETHER WITH CAS AND NRV [REDACTED], INTEND TO MAKE A LAST AND PERHAPS QUIXOTIC ATTEMPT TO EXPLAIN THE CASE FOR AN AIL VNAF SQUADRON.
5. WILL ADVISE OF FURTHER DEVELOPMENTS.



NNNZCZCRDB576  
PP YMRDQR  
DE YWQADK 0034 313205Z  
ZNY MMNSH  
ZKZK PP RNI DE  
P 092045Z ZFF-4  
FM USAFSS  
TO 6994SCZYSQ/CC/TSN AB RVN  
INFO PACSCTYRGN/  
CHIEF USAFSS/FM  
ZEM

FILE! INT 5-6

423

SUBJ: EC-47 TURNOVER PLANNING ACTIONS.  
FOLLOWING MESSAGE TB GEN CLAY ON ABOVE SUBJECT IS PASSED  
FOR YOUR INFORMATION: QUOTE: P 091945Z NOV 70  
FM USAFSS  
TO AFSSO 7AF

FOR GEN CLAY FROM STAPLETON

SUBJ: EC-47 TURNOVER PLANNING ACTIONS.

1. I HAVE BEEN ADVISED THAT THE PLANS FOR TURNOVER OF THE 20 EC-47 AIRCRAFT CALL FOR THE VNAF TO FLY THE AIRCRAFT WITH THE ARVN TO FURNISH THE CRYPTOLOGIC PERSONNEL FOR THE BACK-END CREWS. NSA HAS ASSIGNED ME THE RESPONSIBILITY FOR TRAINING THE BACK-UP CREWS TO INCLUDE MAINTENANCE OF OUR SPECIALIZED ARDF EQUIPMENT.
2. YOU MAY RECALL OUR DISCUSSIONS IN YOUR OFFICE ABOUT THE ARDF SPECIAL RESEARCH REPORT WRITTEN BY COLONEL HARDEN AND MAJOR WRAK. ONE OF THE PRINCIPAL USAF PROBLEMS SURFACED BY THEIR REPORT WAS THE INHERENT DIFFICULTIES CREATED BY HAVING ONE ORGANIZATION (460 TRW) RESPONSIBLE FOR FLYING THE AIRCRAFT WHILE ANOTHER ORGANIZATION (6994 SCTY SQDN) WAS RESPONSIBLE FOR OPERATING THE MISSION EQUIPMENT. THE USAF ARDF HAS BEEN SUCCESSFUL ENOUGH TO WIN NSA'S TRAVIS TROPHY FOR THE UNIT THAT HAS MADE THE MOST OUTSTANDING CONTRIBUTION TO THE CRYPTOLOGIC BUSINESS DURING THE LAST YEAR BUT THAT RECOGNITION WAS ACHIEVED IN SPITE OF THE WAY WE ARE ORGANIZED NOT BECAUSE OF IT. HAVING BEEN DIRECTLY INVOLVED WITH OUR ARDF FUNCTION SINCE ITS BEGINNING, I AM ACTUALLY AWARE OF OUR ORGANIZATIONAL DEFICIENCIES AND AM RELUCTANT TO SEE US PASS ON TO THE VIETNAMESE AND EVEN WORSE ARRANGEMENT THAN WE ARE USING. THE VIETNAMESE ARRANGEMENT WILL SPLIT THE RESPONSIBILITIES NOT JUST BETWEEN TWO COMMANDS BUT BETWEEN TWO SERVICES.
3. I AM NOT AT ALL SURE HOW WE ARRIVED AT OUR PRESENT PREDICAMENT AND I AM IN NO POSITION TO SMOKE OUT THE ANSWERS. INCE DIRNSA, VADM GAYLER, IS SCHEDULED TO BE IN SAIGON ON THE 11TH AND 12TH NOV, I HAVE SUGGESTED THAT HE TRY TO GET CLARIFICATION ON THE ISSUES THAT HAVE CREATED THIS VERY DIFFICULT ORGANIZATIONAL ARRANGEMENT. IT APPEARS TO ME THAT TWO BASIC POLICY DECISIONS MAY HAVE BEEN MADE WITHOUT CONSIDERING THEIR IMPACT ON THE EC-47 TURNOVER. APPARENTLY, THE FIRST POLICY DECISION WAS THAT THE VNAF WOULD FLY ALL THE AIRCRAFT FOR VIETNAMESE ARMED FORCES AND YOU WOULD RECOGNIZE IMMEDIATELY IF THAT IS A FACT. THE SECOND POLICY DECISION MAY HAVE BEEN THAT THE SSTB WILL BE THE ONLY VIETNAMESE NATIONAL CRYPTOLOGIC ORGANIZATION AND IT WILL HAVE ONLY ARVN PERSONNEL ASSIGNED. APPLICATION OF THOSE TWO DECISIONS GIVES US OUR CURRENT PLAN FOR VNAF TO FLY THE EC-47S AND ARVN TO PROVIDE THE CRYPTOLOGIC BACK-END CREWS. I CAN FIND NO EVIDENCE THAT ANYONE HAS EVEN IDENTIFIED THIS PROBLEM TO THE RESPONSIBLE VIETNAMESE OFFICERS WHO WOULD HAVE THE AUTHORITY TO TAKE CORRECTIVE ACTION.
4. WE IN USAFSS HAVE CONSISTENTLY ADVOCATED THAT THE EC-47 OPERATION BE ALL VNAF - FRONT-END AND BACK-END. YOU AND ADM GAYLER TOGETHER MIGHT BE ABLE TO DETERMINE IF THE VIETNAMESE HAVE, IN FACT, MADE THE FIRM DECISION THAT ONLY THE ARVN WILL BE PERMITTED IN THE CRYPTOLOGIC ORGANIZATION AND THAT THEY HAVE CONSCIOUSLY DECIDED TO CREATE AN EC-47 OPERATION THAT IS SPLIT BETWEEN THE VNAF AND THE ARVN. LT COL INGE, COMMANDER, 6994, HAS FULL DETAILS ON WHAT WE KNOW ABOUT THE PROBLEM SHOULD YOU NEED MORE INFORMATION.



T1461452-7

0621452 AUG 70

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6894  
Training

ROUTINE

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\* [REDACTED] \*  
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PT 00088  
RTTSZYUW RUWTEJ4919 218P222-5555--RUSOSNA.  
ZNY 55555  
R 0621452 AUG 70  
FM USAFSS  
TO RUHHHHA/PAC5CTYRGN/DO/WHEELER AFB HAWAII  
INFO RUSOSNA/69945CTYSG/DO/TAN SON NHUT AB RVN  
BT

SUBJECT: VIETNAMIZATION PLANNING (U)  
REF: A. OUR CV 242135Z JUL 70  
B. UR DOA 291807Z JUL 70  
C. OUR XRX 312020Z JUL 70

THIS MSG IN TWO PARTS.  
PART 1.

1. IN RESPONSE TO DIRNSA REQUEST TO DEVELOP A TRAINING PLAN FOR  
TURNOVER OF EC-47 TO VNAF, WE HAVE DEVELOPED A DRAFT, REPEAT DRAFT,  
VIETNAMIZATION I&M PLAN WHICH IS QUOTED BELOW. THIS DRAFT IS  
PROVIDED AS A WORKING COPY ONLY, BUT MAY BE USEFUL FOR DISCUSSION  
PURPOSES AT 13 AUG PROGRESS MEETING. IT HAS NOT YET NOT BEEN COORDINATED  
WITH OR APPROVED BY STAFF AND COMMAND HERE. THIS DRAFT PLAN IS CURRENT  
BEST ESTIMATE OF SITUATION AS AVAILABLE IN THIS HEADQUARTERS. REQUEST  
YOU CRITICALLY REVIEW AND ALSO BE PREPARED TO DISCUSS DURING FORTH-

PAGE 2 RUWTEJ4919 [REDACTED]  
COMING STAFF VISIT THIS HEADQUARTERS. PLEASE BEAR IN MIND THAT THIS  
DRAFT HAS MANY LOGISTICS DEFICIENCIES DUE TO LACK OF ATR STAFF  
GUIDANCE.

2. DRAFT PLAN FOLLOWS. QUOTE  
(S) USAFSS VIETNAMIZATION IMPROVEMENT AND MODERNIZATION PLAN  
(EC-47 TURNOVER), SERIAL NO. XK-70, USAFSS ARDEVIMP XK-70.  
REFERENCES. [REDACTED]  
DIRNSA LETTER, 8 DECEMBER 1969, SERIAL: N1234, SUBJECT:  
VIETNAMIZATION, RVNAF IMPROVEMENT AND MODERNIZATION, AND  
RELATED PLANNING (U).  
JCSM 42-70, TAB TO ANNEX A, 29 JANUARY 1970.  
DIRNSA MESSAGE 031-50-70, DFM-782, DFM-713, DTG 291448Z  
APRIL 1970, SUBJECT: VIETNAMIZATION I&M, REVISION OF CRYPTOLOGIC  
TAB.  
JCSM 202-70, 30 APRIL 1970, SUPPLEMENT TO THE CRYPTOLOGIC TAB.  
DIRNSA LETTER, 6 MAY 1970, SERIAL: N0457, SUBJECT:  
VIETNAMIZATION, CONSOLIDATED RVNAF IMPROVEMENT AND MODERNIZATION  
AND RELATED US PLANNING (U).  
DIRNSA MESSAGE IAPCO, DTG 302000Z MAY 1970, SUBJECT:  
VIETNAMIZATION PLANNING.

PAGE 3 RUWTEJ4919 [REDACTED]  
DIRNSA MESSAGE ADM-64-70, DTG 021525Z JUNE 1970, SUBJECT:  
EC-47 BACK-END CREW TRAINING, VIETNAMIZATION I&M,  
TASK ORGANIZATIONS. (U)  
HQ USAFSS STAFF ELEMENTS  
PACIFIC SECURITY REGION

ROUTINE

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\* [REDACTED] \*  
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1/3



ROUTINE

PT 00088

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2

6940 SECURITY WING  
6994 SECURITY SQUADRON

1. SITUATION.

ESCALATION OF THE VIETNAMESE CONFLICT DURING THE LATTER YEARS OF THE 1960'S MADE IT NECESSARY TO EVENTUALLY EMPLOY 57 UNIT EQUIPMENT (UE) USAF EC-47 AIRBORNE RADIO DIRECTION FINDING (ARDF) AIRCRAFT TO SUPPORT THE ACTIONS OF THE US MILITARY ASSISTANCE COMMAND, VIETNAM (MACV). THE PRIMARY MISSION OF THE EC-47 ARDF AIRCRAFT IS TO SEEK OUT, MONITOR, LOCATE 'ENEMY' TRANSMITTER TARGETS, AND PROVIDE NEAR REAL REPORTING TO DIRECT SUPPORT UNITS AND OTHER CONSUMERS.

DURING LATE 1969, IT WAS DECIDED AT WASHINGTON LEVEL TO 'VIETNAMIZE' THE WAR IN SOUTH VIETNAM. THE DIRECTOR OF THE NATIONAL SECURITY AGENCY (NSA), ON 8 DECEMBER 1969, ESTABLISHED WORKING GROUPS FOR FORMULATING PLANS COVERING MAJOR ASPECTS TO 'VIETNAMIZE' THE WAR: (1) US SIGINT

PAGE 4 RUNTEJAN919

SUPPORT TO US FORCES DURING THE WITHDRAWAL; (2) SIGINT SUPPORT TO ARVN COMBAT FORCES; (3) IMPROVEMENT OF RVNAF SIGINT ACTIVITIES.

THE JCS MEMORANDUM VIETNAMIZATION REPORT (NUMBER 42-70) TO THE SECRETARY OF DEFENSE WAS APPROVED ON 13 MARCH 1970, WHICH INCLUDED AN NSA CRYPTOLOGIC TAB. ONE OF THE IMPORTANT FEATURES OF THE CRYPTOLOGIC TAB IS A CONCEPT FOR MODERNIZING THE RVNAF SPECIAL SECURITY TECHNICAL BRANCH (SSTB), WHICH IS THE SOUTH VIETNAMESE COMINT ORGANIZATION, AND IMPROVE ITS CAPABILITY OVER THE NEXT THREE YEARS TO THE LEVEL OF EFFECTIVENESS NECESSARY TO SUPPORT RVNAF IN-COUNTRY COMBAT OPERATIONS. ONE AREA OF IMPROVEMENT AND MODERNIZATION IS THE ARDF ENDEAVORS. TURNOVER OF US ARMY ARDF AIRCRAFT WAS REFLECTED IN THE CRYPTOLOGIC TAB TO THE INTELLIGENCE ANNEX. A SUPPLEMENT TO THE CRYPTOLOGIC TAB SUBSTITUTED US AIR FORCE EC-47 ARDF AIRCRAFT IN LIEU OF THE US ARMY ARDF AIRCRAFT. THE TAB REFLECTED 20 EC-47 ARDF AIRCRAFT TO BE TURNED OVER TO THE VIETNAMESE DURING FY71 THROUGH FY73. (SEE ANNEX A FOR THE SCHEDULE.) DIRNSA TASKED USAFSS WITH DEVELOPING A PLAN FOR TRAINING SOUTH VIETNAMESE BACK-END CREWS FOR EC-47 ARDF AIRCRAFT TO ALIGN WITH THE TIME SCHEDULE CONTAINED IN THE JCSM 202-70, DATED 30 APRIL 1970.

PAGE 5 RUNTEJAN919

USASA AND USAFSS MUTUALLY ARRANGING FOR IN-COUNTRY TRAINING OF SOUTH VIETNAMESE PERSONNEL BY USAFSS INSTRUCTORS UNDER AEGIS OF THE SABRETOOTH PROGRAM.

A. (U) ENEMY FORCES. SEE CURRENT INTELLIGENCE SUMMARIES.  
B. (U) FRIENDLY FORCES.

- (1) DIRNSA
- (2) PACAF
- (3) 7TH AF
- (4) 460TH RECON WG
- (5) 509TH RRG
- (6) 360TH TEWS

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- (7) US AIR FORCE ADVISORY GROUP
- (8) OTHER SERVICES, DEPARTMENTS, AND AGENCIES AS REQUIRED.
- C. [REDACTED] ASSUMPTIONS.
- (1) RVNAF INTEGRATION IN USS SIGINT OPERATIONS IS NOT ENVISIONED.
- (2) TRAINING MATERIAL, INFORMATION, AND CLASSROOM/AIRBORNE INSTRUCTIONS WILL BE RESTRICTED TO SECRET NON-CODEWORD.
- (3) ALL SOUTH VIETNAMESE PERSONNEL TO BE TRAINED.
- (4) ARE ENGLISH-SPEAKING AND WILL RECEIVE ALL TRAINING

PAGE 4 RUMTEJAN019 [REDACTED]

- IN THE ENGLISH LANGUAGE AND FROM ENGLISH WRITTEN TRAINING MATERIAL.
- (8) WILL HAVE RECEIVED THE INITIAL SIGINT TRAINING REQUIRED BEFORE ENTERING INTO THE ARDF TRAINING PROGRAM.
- (4) THE FIRST PHASE OF TRAINING WILL INCLUDE A CADRE OF RVNAF PERSONNEL WHO WILL REMAIN AT THE TRAINING SITE AND BECOME INSTRUCTORS TO TRAIN FOLLOWING RVNAF PERSONNEL ON ARDF OPERATIONS.
- (5) EC-47 ARDF AIRCRAFT EMPLOYING ALR-34 EQUIPMENT WILL BE MADE AVAILABLE FROM OCT 1, 1994 SECURITY SQUADRON RESOURCES.
- (6) SUFFICIENT RVNAF PERSONNEL WILL BE PROVIDED FOR TRAINING TO ADEQUATELY MAN EC-47 ARDF AIRCRAFT WHEN MADE AVAILABLE IN ACCORDANCE WITH TIME PERIODS CONTAINED IN JCSM 202-70.
- (7) A USAFSS TRAINING REPRESENTATIVE WILL BE IN CHARGE OF ALL TRAINING ASPECTS FOR CONDUCTING BACK-END TRAINING OF RVNAF PERSONNEL IN OPERATIONS AND MAINTENANCE OF MISSION EQUIPMENT.
- (8) THE CONSOLIDATED CRYPTOLOGIC PROGRAM (CCP) WILL INCLUDE USAFSS SPACES REQUIRED FOR TRAINING RVNAF PERSONNEL.
- (9) ADEQUATE US FACILITIES WILL BE AVAILABLE FOR CLASSROOM INSTRUCTIONS AT TAN SON NHUT AB TO TRAIN RVNAF PERSONNEL AND TO ACCOMMODATE USAFSS INSTRUCTOR PERSONNEL.

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R 062145Z AUG 70  
FM USAFSS  
TO RUHHHA/PACSCITYRGN/DO/WHEELER AFB HAWAII  
INFO RUSSNA/6900CTYSG/DO/TAN SON NHUT AB RVN  
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SECTION THREE OF FOUR XR

D. 6940 TECHNICAL TRAINING GROUP.

3. FORCE UTILIZATION.

A. HQ USAFSS AND PACIFIC SECURITY REGION WILL MONITOR AND GUIDE THE SECURITY SERVICE PART OF THE VIETNAMESE IMPROVEMENT AND MODERNIZATION PROGRAM.

B. PACIFIC SECURITY REGION WILL COORDINATE WITH PACAF TO ENSURE THERE IS AN ORDERLY TURNOVER OF EC-47 AIRCRAFT AND ALR-34 EQUIPMENT CONSISTENT WITH THE VIETNAMESE CAPABILITY TO MAN, OPERATE, MAINTAIN THE TOTAL SYSTEM, AND CONDUCT ARDE OPERATIONS.

C. THE 6940 TECHNICAL TRAINING GROUP WILL PROVIDE ACADEMIC TRAINING MATERIALS, GUIDANCE, AND ASSISTANCE NECESSARY TO ENSURE THE TRAINING OBJECTIVES ARE ATTAINED. THE TRAINING WILL BE CONDUCTED AT TAN SON NHUT AB, SAIGON, SVN, BY PERSONNEL ASSIGNED OR ATTACHED TO THE 6994 SECURITY SQUADRON. (SEE ANNEX B.)

D. THE 6994 SECURITY SQUADRON WILL:

(1) EFFECT THE NECESSARY COORDINATION WITH SEVENTH AF AND THE 460TH TACTICAL RECONNAISSANCE WING TO ENSURE THE TURNOVER SCHEDULE OF EC-47 ARDE AIRCRAFT TO VIETNAMESE IS ACCOMPLISHED WITHIN THE CAPABILITY OF THE VIETNAMESE TRAINED ARDE CREWS. TURNOVER WILL BE ACCORDING TO THE JCSM 202-7B SCHEDULE:

PAGE 2 RUWTEJA4921

(A) FOUR EC-47 AIRCRAFT (THREE COMBAT CROSS, ONE COMBAT CROSS ZULU) IN FY71.

(B) SIX ADDITIONAL (FOUR COMBAT CROSS, TWO COMBAT CROSS ZULU) IN FY72, AND

(C) ANOTHER TEN (SEVEN COMBAT CROSS, THREE COMBAT CROSS ZULU) ARE TENTATIVELY SCHEDULED FOR TURNOVER IN FY73, FOR A TOTAL OF 20 AIRCRAFT DURING FY71-73 TIMEFRAME.

(2) ACCOMPLISH TRAINING, UTILIZING RESOURCES IN ACCORDANCE WITH ANNEX B TO THIS PLAN. HQ USAFSS WILL BE NOTIFIED THROUGH CHANNELS OF ANY PROBLEMS ENCOUNTERED THAT ADVERSELY AFFECT THE TRAINING SCHEDULE AND/OR THE SCHEDULED TURNOVER OF THE 20 EC-47 AIRCRAFT.

4. COMMAND AND CONTROL. (U)

SEE BASIC PLAN.

ANNEX B TO USAFSS ARDFVIMP XX-7B, ARDE OPERATOR/ELECTRONICS TRAINING.

REFERENCES. (S)

- A. PAC SCTY RGN MSG 220220Z MAY 70, VIETNAMIZATION OF ARDE.
- B. PAC SCTY RGN MSG 262140Z MAY 70, VIETNAMIZATION OF ARDE.
- C. HQ USAFSS/XR LTR, 27 MAY 70, VIETNAMIZATION OF ARDE.
- D. CO USASAPAC MSG 31 MAY 70, VIETNAMIZATION PLANNING.

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TO RUHHWHA/PACSCITYGN/DO/WHEELER AFB HAWAII

INFO RUSQNA/6994SCITYSO/DO/TAN SON NHUT AB RVN

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SECTION TWO OF FOUR XR

- (10) ARDF TRAINING OF RVNAF PILOTS AND NAVIGATORS WILL BE CONDUCTED BY SEVENTH AF IN CONJUNCTION WITH USAFSS TRAINING.
- (11) ANALYTICAL TRAINING WILL BE PROVIDED BY AN AGENCY OTHER THAN THIS COMMAND.
- (12) TRAINING WILL BE CONDUCTED AT TAN SON NHUT AB BY USAFSS PERSONNEL ASSIGNED OR ATTACHED TO THE 6994 SECURITY SQUADRON.
- (13) ADEQUATE COMMUNICATIONS CAPABILITY WILL BE DEVELOPED WITH US ASSISTANCE, TO PERMIT TIMELY DISSEMINATION OF NEAR REAL-TIME REPORTING.

D. (U) TERMS EXPLAINED.

- (1) USAFSS INSTRUCTOR PERSONNEL. USAFSS PERSONNEL DESIGNATED AS INSTRUCTOR QUALIFIED IN THE ARDF OPERATOR AND MAINTENANCE FIELD.
- (2) RVNAF PERSONNEL. SOUTH VIETNAMESE PERSONNEL WHO ARE

PAGE 2 RUMTEJA4920 [REDACTED]  
PROPERLY SECURITY CLEARED FOR RECEIVING INFORMATION AND INSTRUCTIONS TO ACCOMPLISH THE MISSION PRESENTLY PERFORMED BY USAFSS SSIR CLEARED PERSONNEL.

2. MISSION. [REDACTED]  
TO PROVIDE TRAINING TO RVNAF PERSONNEL FOR OPERATION AND MAINTENANCE OF B-27 TROP MISSION EQUIPMENT TO A LEVEL OF PROFICIENCY THAT WILL ENABLE THEM TO ADEQUATELY SUPPORT VIETNAMESE STRIKE FORCES WHEN THE B-27 IS VIETNAMIZED.

3. EXECUTION. [REDACTED]  
A. (U) CONCEPT OF OPERATIONS. SEE ANNEX A.  
B. (S) TASKS OF HQ USAFSS STAFF ELEMENTS AND SUBORDINATE UNITS.

- (1) DCS/PLANS AND PROGRAMS (XRY) WILL:  
(A) MONITOR THE IMPLEMENTATION OF THIS PLAN.  
(B) PREPARE AND COORDINATE CHANGES IN USAFSS MISSION DIRECTIVES AND IMPLEMENTING PLANS.
- (2) DCS/COMPTROLLER (AC) WILL: ALLOCATE THE NECESSARY FUNDS FOR ACCOMPLISHING TDY AND/OR PCS OF PERSONNEL REQUIRED TO SUPPORT THE MISSION OF THIS PLAN.
- (3) DCS/PERSONNEL (OP) WILL:

PAGE 3 RUMTEJA4920 [REDACTED]

- (A) IDENTIFY INSTRUCTOR QUALIFIED PERSONNEL AND DIRECT TDY AND/OR PCS AS REQUIRED TO PROVIDE USAFSS PERSONNEL TO TRAIN RVNAF PERSONNEL.
- (B) MONITOR THE OVERALL TRAINING PROGRAM TO ENSURE

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- RVNAF PERSONNEL ARE ARDF QUALIFIED COMMENSURATE WITH USAFSS PERSONNEL TRAINED ON THE ARDF EQUIPMENT (SEE ANNEX B.)
- (4) DCS/LOGISTICS (LO) WILL:
- (A) PROVIDE ASSISTANCE FOR THE TRAINING OF RVNAF MAINTENANCE PERSONNEL.
- (B) ESTABLISH LOGISTIC SUPPORT ACCORDING TO DIRECTION RECEIVED FROM CSAF, ASSISTANT FOR LOGISTICS, DCS/SYSTEMS AND LOGISTICS.
- (5) PACIFIC SECURITY REGION WILL: PROVIDE GUIDANCE TO 6994 SECURITY SQUADRON AS REQUIRED AND EFFECT COORDINATION WITH THEATER ELEMENTS TO INTERFACE WITH ACTIVITIES INVOLVED IN THE TRAINING PROGRAM. E.G., 509TH RRG.
- (6) 6940 SECURITY WING WILL: PROVIDE THE TRAINING PACKAGES, SUPPLIES, SUPPORT, AND ASSISTANCE FOR ARDF TRAINING OF VNAP PERSONNEL.
- (7) 6994 SECURITY SQUADRON WILL: PROVIDE ADMINISTRATIVE

PAGE 4 ROUTEJA4920 [REDACTED]  
AND LOGISTICS SUPPORT FOR USAFSS INSTRUCTOR PERSONNEL.

C. (C) TASKS OF FRIENDLY FORCES.

- (1) PACAF WILL: PROVIDE SECURE FACILITIES FOR CONDUCTING CLASSROOM INSTRUCTIONS.
- (2) SPECIAL ADVISORS ON LOCATION WILL: ENSURE THAT THE USAFSS TRAINING REPRESENTATIVE IN CHARGE IS KEPT COGNIZANT OF ALL INFORMATION INVOLVING VIETNAMIZATION OF EC-47 ARDF.
- (3) 509TH RRG (ARMY) WILL: PROVIDE INSTRUCTOR PERSONNEL AND TRAINING NECESSARY TO INTERFACE RVNAF PERSONNEL TRAINED ON ARDF PROCEDURES BY USAFSS INSTRUCTORS WITH THE CRYPTOLOGIC MISSION THEY WILL BE PERFORMING.

D. (U) COORDINATING INSTRUCTIONS.

- (1) THIS PLAN IS EFFECTIVE UPON RECEIPT FOR PLANNING PURPOSES. EXECUTION OF TRAINING OPERATIONS WILL BE IN ACCORDANCE WITH ANNEXES A AND B.

(2) UNCLASSIFIED MESSAGES REGARDING CONCEPTS/MISSIONS REFLECTED IN THIS PLAN WILL BE PROTECTED BY EFTO PROCEDURES.

4. ADMINISTRATION AND LOGISTICS. (U)

NORMAL ADMINISTRATION WILL PREVAIL FOR SUPPORTING THIS PLAN.

5. COMMAND AND CONTROL. (U)

PAGE 5 ROUTEJA4920 [REDACTED]

A. COMMAND.

- (1) NORMAL COMMAND CHANNELS WILL BE USED TO SUPPORT THE REQUIREMENTS OF THIS PLAN.

(2) COMMAND CONTROL OF USAFSS PERSONNEL EMPLOYED IN TRAINING OF RVNAF PERSONNEL IS THE RESPONSIBILITY OF USAFSS.

B. CONTROL.

- (1) TECHNICAL CONTROL OF ALL MISSION ASPECTS WILL BE THE RESPONSIBILITY OF DIRNSA/PACAF/MACV.

(2) ESTABLISHED COMMUNICATIONS CIRCUITRY IS ADEQUATE TO SUPPORT THIS PLAN.

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FOR THE COMMANDER  
ANNEX A TO USAFSS ARDFVIMP XX-70, OPERATIONS  
REFERENCES. (U)

SEE BASIC PLAN.

1. CONCEPT OF OPERATIONS.

TWENTY EC-47 ARDF AIRCRAFT ARE SCHEDULED TO BE TURNED OVER TO THE VIETNAMESE AIR FORCE DURING FY71-73 IN ACCORDANCE WITH JCSM 202-70. DIRNSA TASKED USAFSS WITH TRAINING SELECTED SSTB VIETNAMESE PERSONNEL AS ARDF RADIO OPERATORS AND MAINTENANCE TECHNICIANS TO MAN AND MAINTAIN THE MISSION EQUIPMENT. VIETNAMESE

PAGE 6 RUWTEJA4920

INSTRUCTOR PERSONNEL WILL BE SELECTED FROM THE FIRST STUDENTS TRAINED. THE NUMBER OF VIETNAMESE OPERATORS REQUIRED IS BASED ON THE 2.0 MANNING FACTOR PER POSITION USED BY USAFSS. TWENTY OPERATORS WILL BE REQUIRED FOR MANNING THE FIRST FOUR AIRCRAFT WHICH WILL HAVE A TOTAL OF TEN POSITIONS. THERE WILL BE AN ADDITIONAL TEN VIETNAMESE TRAINED AS RADIO OPERATOR INSTRUCTORS. ANNEX B TO THIS PLAN FORMULATES THE MINIMUM TRAINING NECESSARY TO ENSURE THERE ARE QUALIFIED VIETNAMESE ARDF CREWS AVAILABLE FOR THE TURNOVER. ALL PHASES OF TRAINING WILL BE CONDUCTED, INCLUDING STAN-EVAL BOARD TRAINING, TO INTERFACE THE AIRBORNE FUNCTIONS WITH THE GROUND OPERATIONS. BECAUSE OF LIMITED QUANTITIES OF AEROSPACE GROUND EQUIPMENT (AGE), THE EC-47 AIRCRAFT THAT ARE TURNED OVER TO RVNAF MUST BE BASED AT EITHER TAN SON NHUT OR PHU CAT UNTIL DET 1, 6994 SECURITY SQUADRON IS DEACTIVATED AND AGE IS TURNED OVER TO THE VIETNAMESE. THERE WILL BE NO DEGRADATION TO THE MISSION OR TRAINING OF THE 6994 SECURITY SQUADRON TO ACCOMPLISH ACTIONS IN THIS PLAN.

2. FORCE COMPOSITION. (U)

- A. HQ USAFSS STAFF ELEMENTS.
- B. PACIFIC SECURITY REGION.
- C. 6994 SECURITY SQUADRON.

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E. USAF MATERIEL GUIDANCE FOR VIETNAM AIR FORCE LOGISTICS

PAGE 3 RUWTEJA4921

SYSTEM, MAY 1970.

TASK ORGANIZATIONS. (U)

SEE BASIC PLAN.

1. GENERAL SITUATION.

TURNOVER OF 20 EC-47 AIRCRAFT TO THE RVNAF DURING FY71-73 WILL ENTAIL THE TRAINING OF VIETNAMESE RADIO OPERATORS IN THE OPERATION OF THE ALR-34 ARDF SYSTEM BY PERSONNEL ASSIGNED OR ATTACHED TO THE 6994 SECURITY SQUADRON, TAN SON NHUT AIR BASE, VIETNAM, BEGINNING IN FISCAL YEAR 1971. THE REQUIREMENT TO TRAIN MAINTENANCE TECHNICIANS IS INCLUDED FOR PLANNING PURPOSES.

A. (U) FRIENDLY FORCES. SEE BASIC PLAN.

B. (U) ASSUMPTION. THE FIRST CLASS OF VIETNAMESE RADIO OPERATORS/ELECTRONICS TECHNICIANS WILL BE GRADUATED NOT LATER THAN 90 DAYS FOLLOWING START OF TRAINING.

C. GUIDING PRINCIPLES. THE FOLLOWING COMPUTATIONS ARE BASED ON CURRENT USAFSS MANNING FACTORS AND THE FACT THAT THE RVNAF POSSESSES A LIMITED CAPABILITY FOR PROVIDING FRONT-END CREWS AND NONE FOR PROVIDING BACK-END OPERATORS OR ALR-34 MAINTENANCE PERSONNEL.

(1) OPERATORS. MANNING FACTORS ARE 2.0 PER POSITION ABOARD

PAGE 4 RUWTEJA4921

THE AIRCRAFT PLUS A CADRE OF 10 INSTRUCTORS.

(2) MAINTENANCE TECHNICIANS. MANNING FACTORS ARE CC - 1.0 AND CC2 - 1.5 PER POSITION ABOARD THE AIRCRAFT, PLUS A CADRE OF THREE INSTRUCTORS.

(3) TOTAL REQUIREMENTS TO TRAIN RVNAF PERSONNEL FOR FY71-73 ARE 141 (104 OPERATORS PLUS 10 INSTRUCTORS AND 24 MAINTENANCE TECHNICIANS PLUS 3 INSTRUCTORS). BREAKOUT BY FISCAL YEARS IS:

(A) FY71 - 20 OPERATORS AND 5 MAINTENANCE, PLUS 10 OPERATOR AND 3 MAINTENANCE INSTRUCTORS.

(B) FY72 - 32 OPERATORS AND 7 MAINTENANCE.

(C) FY73 - 52 OPERATORS AND 12 MAINTENANCE PERSONNEL.

D. (S) OPERATIONAL CONCEPT, CAPABILITIES, AND LIMITATIONS OF THE BASIC PLAN. IN FY71, ALL TRAINING WILL BE PROVIDED BY INSTRUCTORS ASSIGNED OR ATTACHED TO THE 6994 SECURITY SQUADRON; IN FY72, TRAINING WILL BE SHIFTED TO VIETNAMESE INSTRUCTORS, WITH TECHNICAL ASSISTANCE FROM US PERSONNEL ASSIGNED OR ATTACHED TO THE 6994 SECURITY SQUADRON; IN FY73 VIETNAMESE PERSONNEL WILL ASSUME ALL TRAINING RESPONSIBILITIES.

(1) RADIO OPERATOR TRAINING. A 2-WEEK TRAINING COURSE (5 DAYS PER WEEK, 6 ACADEMIC AND 2 STUDY HALL HOURS PER DAY) WILL BE ESTABLISHED AT TAN SON NHUT AB NEAR THE EC-47 AREA AND 6994

PAGE 5 RUWTEJA4921

SECURITY SQUADRON, USING FACILITIES MADE AVAILABLE TO 6994 SECURITY SQUADRON AND ASSIGNED OR ATTACHED PERSONNEL, AND TRAINING MATERIALS (TEXTBOOKS, WORKING AIDS, ETC.) FURNISHED BY THE USAFSS SCHOOL.

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(2) ELECTRONICS TECHNICIAN TRAINING. AN 8-WEEK TRAINING COURSE (5 DAYS PER WEEK, 6 ACADEMIC AND 2 STUDY HALL HOURS PER DAY) WILL BE ESTABLISHED AT TAN SON NHUT AB NEAR THE EC-47 PARKING AREA AND 6994 SECURITY SQUADRON MAINTENANCE FACILITIES. 6994 SECURITY SQUADRON ASSIGNED OR ATTACHED PERSONNEL WILL CONDUCT MAINTENANCE TRAINING COURSES UTILIZING FACILITIES MADE AVAILABLE AND TRAINING MATERIALS (TEXTBOOKS, WORKING AIDS, ETC.) FURNISHED BY THE USAFSS SCHOOL.

2. MISSION. [REDACTED] SUFFICIENT VIETNAMESE RADIO OPERATORS AND ELECTRONIC MAINTENANCE TECHNICIANS MUST BE TRAINED TO OPERATE AND MAINTAIN THE X, Y, AND Z CONSOLES OF THE ALR-34 ARDF SYSTEM, AND ANCILLARY EQUIPMENT TO PROVIDE QUALIFIED BACK-END CREWS AND ELECTRONIC MAINTENANCE SUPPORT FOR THE ALR-34 SYSTEMS BEING TURNED OVER TO RVNAF DURING FY71-73. THIS MUST BE ACCOMPLISHED WITH NO DEGRADATION OF THE OPERATIONAL USAF ARDF MISSION IN SEA AS TASKED BY MACV.

3. EXECUTION. [REDACTED]

PAGE 6 ROUTEJAH921 [REDACTED]

A. (5) TASKS OF HQ USAFSS AND SUBORDINATE UNITS.

(1) HQ USAFSS WILL:

(A) BE ASSISTED BY PACIFIC SECURITY REGION, 6940 SECURITY WING, AND 6994 SECURITY SQUADRON IN MONITORING AND GUIDING THE ARDF MISSION EQUIPMENT FOR TRAINING OF SOUTH VIETNAMESE IN THE VIETNAMIZATION PROGRAM IF IT IS DETERMINED THAT THE MOST EXPEDITIOUS MEANS OF PROVIDING MAINTENANCE TRAINING IS BY THE USE OF CONTRACT TECHNICAL SERVICE PERSONNEL. USAFSS WILL COORDINATE WITH AIR FORCE ADVISORY GROUP (AFAGP) AT SEVENTH AF TO HAVE THE PERSONNEL MILITARY ASSISTANCE SERVICE FUNDED.

(B) IDENTIFY, REASSIGN, OR TRY QUALIFIED INSTRUCTOR PERSONNEL FROM USAFSS RESOURCES.

(2) 6940 TECHNICAL TRAINING GROUP WILL: PROVIDE ACADEMIC TRAINING MATERIALS, GUIDANCE, AND ASSISTANCE TO THE 6994 SECURITY SQUADRON TRAINING DEPARTMENT. PROVIDE ALR-34 QUALIFIED MAINTENANCE INSTRUCTORS IF REQUIRED.

(3) 6994 SECURITY SQUADRON WILL:

(A) ARRANGE WITH THE HOST FOR TRAINING CLASSROOMS AND FURNISHINGS.

(B) PROVIDE TRAINING AIDS CONTAINED IN THE TRAINING

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INFO RUSOSNA/6994SCTYSO/DO/TAN SON NHUT AB RVN  
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FINAL SECTION OF FOUR XR

PACKAGE, SUCH AS BLACKBOARD, SLIDE PROJECTOR AND SCREEN, ETC.  
(C) PROVIDE MAJOR COMPONENTS OF THE ALR-34 SYSTEM.  
(D) COORDINATE ALL FACETS OF THE TRAINING PROGRAM WITH  
OTHER ELEMENTS; E.G., 360TH TEWS, 460TH RECON WG, 509TH RRG, ETC.,  
TO ENSURE TIMELY COMPLETION OF ESTABLISHED GOALS.  
B. (S) COORDINATION, SEVENTH AF, 460TH RECON WING, 360TH  
TEWS, 509TH RRG, AND 6994 SECURITY SQUADRON WILL ESTABLISH  
SCHEDULED TRAINING MISSIONS AND PROVIDE INSTRUCTOR PERSONNEL TO  
ENABLE RVNAF FRONT-END AND BACK-END CREWS TO COMPLETELY FULFILL  
OPERATIONAL ARDF MISSION REQUIREMENTS. UNQUOTE.  
PART II.

1. EC-47 ARDF: ACTION TO FINALIZE THE ABOVE DRAFT PLAN HAS BEEN  
DELAYED UNTIL GUIDANCE FROM CSAF IS RECEIVED. A DRAFT PROGRAM  
ACTION DIRECTIVE IS BEING DEVELOPED WHICH WILL COMPLEMENT CONTENTS  
OF THE VIM EC-47 OPLAN. THE PLAN AND PAD ARE SUBJECT TO  
REVISIONS BASED ON DECISIONS FROM CSAF IN RESPONSE TO REF ALPHA.
2. DA NANG MISSION: DRAFT OPLAN TO DETERMINE DISPOSITION OF  
6924 SCTY SQ MISSION IS BEING DEVELOPED WITH IN USAFSS. ANTICIPATE  
FINAL DRAFT OF THIS PLAN WILL BE DEVELOPED DURING LAST OF SEP. INFOR-  
MATION ON THE LATEST DEVELOPMENTS OF DA NANG MISSION HAS BEEN

PAGE 2 RUWTEJA4922 [REDACTED]  
FURNISHED TO YOU. WE ANTICIPATE THAT DA NANG DRAW-DOWN WILL BE  
RESULT OF DELIBERATE PROGRAM ACTIONS AS OPPOSED TO AD HOC  
ARRANGEMENTS (APRA 8 OF USAFSS (CS) 222105Z JUL 70 REFERS).  
3. IN VIEW OF PAC SCTY RGN/PACAF RESPONSIBILITIES RELATED TO  
VIM, YOU MAY WISH TO DISCUSS POSSIBILITY OF PUBLISHING DRAFT PLAN  
ABOVE AS HQ USAFSS PLAN OR AS A JOINT PSR/PACAF PLAN IN ORDER  
TO AVOID PROLIFERATION OF DOCUMENTATION. PLEASE BE PREPARED TO  
ADDRESS THIS ASPEC ALSO DURING FORTHCOMING STAFF VISIT. GP-3  
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TYPE MSG

PRECEDENCE

ACTION **ROUTINE**

INFO

SINGLE

**X**

DTG

**250746Z Sep 70**

FROM: 6994 SCTISQ TSN AB RVN

TO: PACSCTYRGN/DO/CC

SUBJECT: EC-47 VIETNAMIZATION PROGRAM (U)

1. REFERENCES:

- A. SSLO 150320Z SEP 70 WHICH QUOTED 7AF MSG CV 131000Z SEP 70.
- B. MY CC 070807Z SEP.
- C. MY DO 011000Z SEP 70.
- D. MY DO 260730Z AUG 70.
- E. USAFSS XR 062145Z AUG 70
- F. USAFSS LTR, SUBJ: DRAFT EC-47 SPECIAL EQUIPMENT LOGISTICS SUPPORT ANNEX TO USAF MATERIEL GUIDANCE FOR VIETNAM AIR FORCE LOGISTICS SYSTEM (U), DATED 1 Sep 70.

2. AS CAN BE SEEN IN REF ALPHA THROUGH DELTA, MACV, AFOP AND 7AF HAVE TAKEN THE POSITION THAT EARLY ACTIVATION OF THE RVNAF EC-47 SQUADRON IAW THE FY-71-73 PHASED AIRCRAFT TURNOVER PLAN WOULD BE EXTREMELY DIFFICULT, IF NOT IMPRACTICAL DUE TO NON-AVAILABILITY OF RVNAF CREWS AND MAINTENANCE CAPABILITY IN VIEW OF OTHER COMPETING ACTIVATION PROGRAMS. THEY ARE STILL PUSHING FOR ACTUAL TURNOVER OF AIRCRAFT IN LATE

SPECIAL INSTRUCTIONS

*Vim Penning*

TYPED NAME AND TITLE

**LT COL INGE**

PHONE

**4437**

SIGNATURE

**LEON S. INGE, Lt Col., USAF**  
**Commander**

SECURITY

**SECRET**

REGRADING INSTRUCTIONS

DD FORM 1

GOVERNMENT PRINTING OFFICE: 1969-259-001



PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION ROUTINE	LT COL INGE	LT COL INGE	4437
INFO.			

72 RATHER THAN IAW THE "NEW" INCREMENTAL TURNOVER PLAN, AFTER CREW TRAINING (ACADEMICS AND FLYING) BY THE 360 TMS/6994 SCTY SQ. WE HAVE RELATED TO YOUR HEADQUARTERS ALL THAT HAS TRANSPIRED IN THE VARIOUS LOCAL MEETINGS ON THE SUBJECT BUT HAVE YET TO RECEIVE ANY REACTION/GUIDANCE REGARDING THE RECENT MACV, AFGP, 7AF PROPOSALS. IN RESPONSE TO VARIOUS ATTEMPTS TO SEEK MY COORDINATION ON THIS CORRESPONDENCE, I HAVE SUCCEEDED IN AVOIDING FORMAL CONCURRENCE OR NON-CONCURRENCE BY INSERTING THE STATEMENT "NOTED". I ASSUME THE PSR/USAFSS POSITION COINCIDES WITH THE DIRNSA POSITION OF EARLY CREW TRAINING AND TURNOVER OF AIRCRAFT. I ALSO ASSUME THAT WE ARE NOT IN FAVOR OF INTEGRATING RVNAF TRAINEES INTO OUR NORMAL OPERATIONS DUE TO SECURITY/MISSION INTERRUPTION PROBLEMS, AMONG OTHERS. (NOTE THAT THIS IS AN ASSUMPTION CONTAINED IN REF ECHO AND FOKTROT) DESPITE THE FACT THAT WE HAVE POINTED OUT TO AFGP AND 7AF THAT FUNDING FOR THE AIRCRAFT TO BE TURNED OVER HAS BEEN DROPPED FROM THE PROGRAM (CCP) COINCIDING WITH TURNOVER SCHEDULE, THEY DO NOT VIEW THIS AS A SIGNIFICANT FACTOR AND MAINTAIN THAT FUNDING "WILL HAVE TO BE REINSTATED." WOULD GREATLY APPRECIATE STATEMENT OR CONFIRMATION OF PSR/USAFSS POSITION IN THE EVENT I AM PRESSED TO STATE OFFICIAL VIEWPOINT.

3. BEFORE WE CAN DO INTELLIGENT PLANNING HERE, A NUMBER OF KEY QUESTIONS/PROBLEMS WILL HAVE TO BE ADDRESSED AT VARIOUS LEVELS. FOR EXAMPLE:

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
		2	5		
REGARDING INSTRUCTIONS					

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REPLACES EDITION OF 1 MAY 55 WHICH MAY BE USED.



PRECEDENCE		RELEASED BY	DRAFTED BY	PHONE
ACTION ROUTINE		LT COL INGE	LT COL INGE	4437
INFO				

A. IT HAS BEEN ASSUMED THAT MAINTENANCE AND RADIO OPERATOR TRAINEES WILL BE FLUENT IN ENGLISH. THIS MAY PROVE TO BE A POOR ASSUMPTION, IN WHICH CASE TRAINING MATERIALS, TECH ORDERS, LESSON PLANS, ETC., WILL HAVE TO BE TRANSLATED INTO VIETNAMESE AND TAUGHT BY VIETNAMESE SPEAKING INSTRUCTORS. WE SURMISE THAT OPERATOR STUDENTS MAY BE THE PRODUCTS OF THE SSTE-RUN MANUAL-MORSE OPERATORS COURSE. IF SO, THESE INDIVIDUALS WOULD BE COMPLETELY INEXPERIENCED, (FRESH OFF THE HONDA, SO TO SPEAK), WILL HAVE RECEIVED PRIOR TRAINING OF DUBIOUS QUALITY, AND WILL KNOW LITTLE OR NO ENGLISH IN MOST CASES. IF THIS TURNS OUT TO BE THE SITUATION WE ARE FACED WITH, A VIABLE TRAINING COURSE OBVIOUSLY COULD NOT BE ESTABLISHED LOCALLY UNTIL APPROPRIATELY TRANSLATED MATERIALS WERE AVAILABLE AND LINGUIST/INSTRUCTORS IDENTIFIED. THIS POINT IS RAISED SINCE THE ONUS MAY FALL UPON THE 6940TH TTG, AND ADVANCE PLANNING IS ESSENTIAL. WISH TO EMPHASIZE THAT THE LANGUAGE BARRIER MAY PROVE TO BE A FORMIDABLE PROBLEM, DUE TO ANTICIPATED SHORTAGE OF TRAINEES WITH COMBINATION OF TECHNICAL APTITUDE, LANGUAGE QUALIFICATIONS, AND REQUISITE EXPERIENCE. UNFORTUNATELY, UNTIL THE EC-47 TURNOVER PACKAGE PROPOSAL IS FORMALLY MADE TO THE RVNAF (ONE AN AGREED UPON U. S. POSITION IS FORMULATED), THERE WILL BE NO WAY TO IDENTIFY STUDENT INPUTS AND ACTUAL AVAILABILITY THEREOF.

B. TRAINING OF MISSION EQUIPMENT MAINTENANCE TECHNICIANS, AS ALREADY ENVISIONED AT MANY LEVELS, MAY BE A MOST DIFFICULT TASK,

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REGRAING INSTRUCTIONS				SE	

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SECURITY CLASSIFICATION

PRECEDENCE

ACTION ROUTINE

INFO

LT COL INGE

LT COL INGE

4437

WITHIN THE TIME FRAME DESCRIBED IN REF PORTROT, DUE TO SCARCITY OF SUITABLE ARVN TRAINEES (E. G. EQUIVALENT TO U. S. FIVE LEVEL SPECIALISTS, EXPERIENCE IN ELECTRONICS, AND FLUENT IN ENGLISH). AGAIN, THE LANGUAGE BARRIER MAY PROVE TO BE ESPECIALLY SEVERE IN THIS AREA, CONSIDERING THE POSSIBLE REQUIREMENT FOR TRANSLATION OF TECH ORDERS, MANUALS, ETC., INTO VIETNAMESE, AND THE FACT THAT CERTAIN TECHNICAL TERMINOLOGY AND CONCEPTS HAVE NO VIETNAMESE EQUIVALENTS. IT IS HIGHLY POSSIBLE THAT A CIVILIAN CONTRACT MAINTENANCE (SANDERS) ARRANGEMENT MAY BE THE ONLY FEASIBLE MEANS OF PROVIDING MISSION MAINTENANCE SUPPORT FOR AN EXTENDED PERIOD. BELIEVE IT PRUDENT THAT SANDERS ASSOCIATES BE APPROACHED EARLY ON THIS MATTER SO THEY MAY BEGIN PLANNING AGAINST THIS CONTINGENCY AS WELL AS CONCEIVABLE REQUIREMENT TO SEND POTENTIAL INSTRUCTORS THROUGH VIETNAMESE LANGUAGE TRAINING.

C. INVESTIGATION OF AVAILABLE FACILITIES SUITABLE FOR TRAINING USES WILL SOON BE UNDERTAKEN BY AFUP. AT FIRST HAND, PROSPECTS LOOK DIM FOR SECURING DESIRED SPACE OUTLINED IN REF PORTROT. IF ONLY SOLUTION TURNS OUT TO BE ERECTION OF TEMPORARY STRUCTURE, HOW WILL THIS BE FUNDED, AND FROM WHOSE RESOURCES?

D. REGARDLESS OF THE OUTCOME OF THE DECISION AS TO THE EXACT TIMING OF THE AIRCRAFT TURNOVER, IT SEEMS CLEAR THAT TRAINING OF ARVN WILL HAVE TO COMMENCE FAIRLY SOON IF THE OBJECTIVE OF PROVIDING THE RVNAF (SSTB) WITH A VIABLE ARDF CAPABILITY IS TO BE MET. OUR

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ACTION <b>ROUTINE</b>		LT COL INGE	LT COL INGE	4437
INFO				

HANDS APPEAR TO BE TIED PENDING AVAILABILITY OF A PHYSICAL TRAINING FACILITY, SUITABLE TRAINERS, AND SUITABLE COURSE MATERIALS AND INSTRUCTORS. FURTHER, THE OUTCOME OF THE ANTICIPATED INTERNAL RVNAF POLITICAL STRUGGLE AMONG JGS, SSTB, VNAF AND ARVN REGARDING ORGANIZATIONAL STRUCTURE, ROLES, MISSION, AND RESOURCES INVOLVED IN THE EC-47 PROGRAM, WILL UNDOUBTEDLY HAVE A PROFOUND EFFECT UPON THE TIMING AND CONTENT OF OUR TRAINING PROGRAMS.

4. THE MIND-WARPING VARIETY OF PRESENT UNCERTAINTIES AND IMPOUNDERABLES IS MADE MORE COMPLICATED BY THE ABSENCE OF A CLEAR-CUT AUTHORITY IN CHARGE OF EXPEDITING/ARBITRATING THIS ENTIRE PROGRAM. WE WILL TRY TO MAINTAIN A LOW PROFILE AMID THE LARGER POLITICAL DISPUTES, AND WILL CONCENTRATE ON TRAINING MATTERS ONCE THE SITUATION BECOMES LESS FLUID. WILL DISCUSS THESE MATTERS MORE FULLY DURING VISIT TO YOUR HQ ON 5 - 6 OCT.

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS

REGRA

DD FORM 173-1 1 NOV 63

REPLACES EDITION OF 1 MAY 55 WHICH MAY BE USED.



FOR MOENCH FROM HARDIN

SUBJ: ACTIVATION OF EC-47 SQUADRON (U)

REF: A. CINCPACAF [REDACTED] MSG 020035Z SEP 70

B. CINCPAC [REDACTED] MSG 292143Z AUG 70

C. NSAPAC [REDACTED] MSG 280230Z AUG 70

D. JCSM 202-70 DTD 30 APR 70

1. REFERENCE A REQUESTED COMMENTS/RECOMMENDATIONS ON EARLY ACTIVATION OF EC-47 SQUADRON PROPOSED IN REF C TO INCLUDE IMPACT ON VNAF/USAF PROGRAMMING IN SEA. REFERENCE B PROVIDED ACTIVATION/EQUIPPING SCHEDULE FOR EC-47 SQUADRON AND REQUESTED COMMENTS ON FEASIBILITY OF EARLY ACTIVATION OR PROPOSED ALTERNATIVE SOLUTIONS. REF C STATED WASHINGTON PLANNING HAD BEEN IN ACCORDANCE WITH JCSM 202-70 FOR AN INCREMENTAL TURNOVER (FY 71-73) OF EC-47 AIRCRAFT AND RECOMMENDED AGAINST DELAY OF TURNOVER UNTIL FY 73 BECAUSE OF A STATED NEED FOR TIMELY, VIABLE VNAF CAPABILITY AND CERTAIN AF FUNDING AND MANPOWER ACTIONS WHICH HAVE BEEN TAKEN. REF D IS JCS RESPONSE TO SECDEF DIRECTIVE FOR REVIEW OF INITIAL CRIMP REPORT. THIS RESPONSE REFLECTS BOTH A SCHEDULE FOR INCREMENTAL TURNOVER OF EC-47 AIRCRAFT STARTING IN FY 71 AND ONE FOR ACTIVATION OF A 20 UE EC-47 SQUADRON IN FY 73.
2. REFERENCE B PROVIDED THIS HEADQUARTERS INITIAL FORMAL NOTIFICATION THAT JCSM 202-70, AS APPROVED BY SECDEF, REFLECTED AN



[REDACTED]

[REDACTED]

ACCELERATION IN THE VNAF EC-47 PROGRAM AS A CHANGE TO THE 7AF/MACV/CINCPAC SUBMITTED ACTIVATION SCHEDULE. (WE DO NOT HOLD A COPY OF JCSM 202-70. MACV HAS ONE COPY WHICH OUR PEOPLE SAW FOR FIRST TIME THIS WEEK). BECAUSE OF THIS, BOTH WE HERE AT 7AF AND AFGP WERE PROCEEDING WITH THE VIETNAMIZATION PROGRAM ON THE BASIS OF THE CINCPAC RECOMMENDED ACTIVATION SCHEDULE OF A 20 UE EC-47 SQUADRON IN FY 73.

3. THE EC-47 SQUADRON CAN BE ACTIVATED IN ACCORDANCE WITH THE ACCELERATED SCHEDULE, HOWEVER, SUCH ACTION WILL ADVERSELY IMPACT AND BE AT THE EXPENSE OF OTHER PROGRAMMED VNAF I&M ACTIONS. THE PROGRAMMED ACTIVATION OF 14 VNAF SQUADRONS DURING THE NEXT TWELVE MONTHS WILL STRETCH VNAF MANNING TO THE CRITICAL POINT. ADDITIONALLY, THE ACCELERATION OF C-123 SQUADRON ACTIVATIONS WILL FURTHER COMPOUND THE VNAF MANNING PROBLEM. ALTHOUGH, OF COURSE, THIS LATTER ACTION WAS PROPOSED WITHOUT KNOWLEDGE OF THE EC-47 ACCELERATION, ACTIVATION OF THE C-123 SQUADRONS ON THE ORIGINAL SCHEDULE WOULD HAVE THE SAME IMPACT ON THE FY 72 EC-47 INCREMENT IN THE AIRCREW AND MAINTENANCE MANNING AREAS THAT WE NOW FORESEE FOR FY 71 UNDER THE ACCELERATED PROGRAM.

THE EXISTING PROGRAM REQUIRES 112 EXPERIENCED C-47 PILOTS TO BE  
M  
UPGRADED TO<sup>M</sup> AN AC-119, C-123K AND C-7 AIRCREW POSITIONS. DURING  
THE OCT 70 THROUGH AUG 71 TIME PERIOD, CONUS TRAINING SCHOOLS

[REDACTED]

[REDACTED]



[REDACTED]

[REDACTED]

WILL BE OPERATING AT A MAXIMUM CAPACITY TO FILL THESE REQUIREMENTS. UPON RETURN FROM CONUS, VNAF REQUIRES 400 FLYING HOURS TO QUALIFY AS 1ST PILOT AND AN ADDITIONAL 400 HOURS TO QUALIFY AS AIRCRAFT COMMANDER. AT THE PRESENT TIME, THERE ARE 222 C-47 PILOTS ASSIGNED TO VNAF UNITS AGAINST AN AUTHORIZATION OF 256. THIS 88 PERCENT MANNING WILL NOT IMPROVE THROUGH THE C-123, C-119 AND C-7 ACTIVATIONS. FURTHER DRAWDOWN ON THIS RESERVE IS NOT POSSIBLE WITHOUT ACTIVATION TRADEOFF OR DEGRADATION OF OPERATIONAL COMMITMENTS. SOME RELIEF FROM THE CRITICAL AIRCREW SHORTAGE IS ANTICIPATED IN FY 4/72. SUFFICIENT AIRCREW PERSONNEL COULD BE MADE AVAILABLE TO SUPPORT 4 EC-47 AIRCRAFT. DUE TO THE EXTREME SHORTAGE OF TRAINED MAINTENANCE PERSONNEL, AIRCRAFT WOULD BE ATTACHED TO ANOTHER UNIT AT TAN SON NHUT AND AF BLUE SUIT AUGMENTATION OF 58 MAINTENANCE AND 8 BOS PERSONNEL WOULD BE REQUIRED. THIS ACTION WOULD ONLY ADVANCE THE ORIGINALLY PROGRAMMED ACTIVATION DATE BY SIX MONTHS.

5. IN ADDITION TO THE ABOVE FACTORS THE TRAINING OF EC-47 NAVIGATORS, OPERATORS AND EQUIPMENT MAINTENANCE PERSONNEL IS ONLY IN THE PLANNING STAGES. THESE ARE LONG LEAD TIME FACTORS AND COULD PRECLUDE ATTAINING OPERATIONAL READINESS IN FY 71.
  6. IN VIEW OF THE ABOVE, PROPOSE THE FOLLOWING COURSE OF ACTION:
    - A. AN IN-COUNTRY TRAINING PROGRAM FOR OPERATORS BE IMPLEMENTED
- [REDACTED]



[REDACTED]

[REDACTED]

BY USAF SECURITY SERVICE.

B. AN IN-COUNTRY TRAINING PROGRAM FOR AN INITIAL CADRE OF EC-47 NAVIGATORS BE ESTABLISHED.

C. AS OPERATORS AND NAVIGATORS COMPLETE GROUND TRAINING AND APPROACH COMBAT READY STATUS CONSIDERATION COULD BE GIVEN TO INTEGRATING THEM WITH 460TH TRW CREWS FOR OJT UNTIL CERTIFIED AS FULLY QUALIFIED AND THE VNAF SQUADRON IS ACTIVATED.

7. IN SUMMARY, WE RECOGNIZE THE IMPORTANCE OF THE EC-47 PROGRAM AND THE CRITICAL REQUIREMENT TO DEVELOP A VNAF CAPABILITY AT THE EARLIEST PRACTICABLE DATE. AT THE SAME TIME, IT IS OUR VIEW THAT THIS REQUIREMENT MUST BE VIEWED IN THE CONTEXT OF THE TOTAL VNAF I&M PROGRAM AND RELATED US REDEPLOYMENTS. IT IS RECOMMENDED THAT THE ORIGINAL ACTIVATION SCHEDULE BE RETAINED SINCE: (A) BUDGETARY CONSTRAINTS NOTWITHSTANDING THE USAF EC-47 CAPABILITY COULD BE RETAINED UNTIL FY 2/73; (B) CONSIDERABLE TIME CONSUMING TRAINING WILL BE REQUIRED, PARTICULARLY FOR THE RVNAF BACK-END CREWS TO ACHIEVE OR STATUS; AND (C) ON THE SCALE OF RELATIVE PRIORITIES, TIMELY AND VIABLE VNAF ATTACK AND TRANSPORT CAPABILITY IS CONSIDERED OF EQUAL OR GREATER IMPORTANCE. THIS SHOULD PROVIDE ADEQUATE TRAINING TIME FOR RVNAF PERSONNEL AND FOR AN ORDERLY DEVELOPMENT OF A VNAF EC-47 CAPABILITY WITHOUT JEOPARDIZING THE I&M PROGRAM. ADDITIONALLY, SUCH ACTION IS CONSIDERED TO BE IN

[REDACTED]

13



[REDACTED]

[REDACTED]

CONSONANCE WITH THE CAVEAT FOOT-NOTED ON THE VNAF TIME PHASED  
ACTIVATION SCHEDULE IN JCSM 202-70.

8. AS A RELATED MATTER, IT WOULD BE HELPFUL IF WE WERE PROVIDED  
DETAILS ON THE PRECISE CRIMP, BY FY, APPROVED BY THE SECDEF IN  
JUN 70. THIS COULD PRECLUDE REPETITION OF A SITUATION SUCH AS  
WE NOW HAVE WITH THE VNAF EC-47 ACTIVATION SCHEDULE. GP-1.  
END QUOTE.

[REDACTED]



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RR YMRDQR  
DE YHLAKZ 0001 3590130  
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R 242122Z  
FM PACSCTYRGN  
TO 6994SCTYSQ/CC  
INFO NSAPAC  
NRV (C)  
USAFSS/XR  
ZEM

SUBJ: VIM PLANNING/COORDINATION (U)

1. THIS MESSAGE CONSTITUTES AUTHORITY FOR YOU TO REPRESENT THIS HQS AND USAFSS IN VIM MATTERS RELATED TO AFSS TASKING/REQUIREMENTS IDENTIFIED IN NSA VIMP, 9 NOV 70, AS AMENDED. IN LINE WITH THIS AUTHORITY, YOU ARE CHARGED WITH PARTICIPATING IN ALL IN-COUNTRY NEGOTIATIONS CONCERNING AFSS REQUIREMENTS, OFFERING SOLUTIONS TO PROBLEMS AS THEY ARISE, AND PROVIDING GUIDANCE TO APPROPRIATE AGENCIES ON ARDF OPERATIONS AND MAINTENANCE. IN THE AREA OF PROPOSED CHANGES TO THE VIM PLAN, RECOMMENDATIONS WILL BE COORDINATED WITH THIS HQ AND USAFSS PRIOR TO FORMAL AGREEMENT/ COMMITMENT. PLEASE ADVISE IMMEDIATELY WHEN/IF WE CAN BE OF ASSISTANCE IN VIM MATTERS. ADDITIONALLY, REQUEST WE BE KEPT APPRISED ON IN-COUNTRY DEVELOPMENTS.

2. FOR 6994/USAFSS: 6994SS DO MSG, DTG 221020Z DEC 70, PARA 5 REFERS.

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JOINT MESSAGE FOR

RESERVED FOR COMMUNICATION CENTER

File  
27  
04/28

TYPE MSG	BOOK	MULTI	SINGLE
	X		
PRECEDENCE			
ACTION ROUTINE			
INFO			

05/0099Z SEP 1970

FROM USA-561

TO: HOTEL 17 ZULU/MASTER

SPECIAL INSTRUCTIONS

RNI

SEP 70


SUBJECT: COMINT WECAP 1-70

REF A: BIRSEA P2-2136 041559Z AUG 70 (NOTAL)

REF B: BIRSEA P2-2395 261944Z AUG 70 (NOTAL)

SSO CINCLANT AND CINCLANTFLT HAVE BEEN DELETED FROM HOTEL  
17 ZULU/ALFA DISTRIBUTION.

DATE	TIME
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DRAFT	TYPED NAME AND TITLE	PHONE	SIGNATURE
	GEORGE W. BARNES, LTCOL, USAF	4641	
	TYPED (or stamped) NAME AND TITLE		
			JACK BARNES, LTCOL, USAF
			OPERATIONS OFFICER
			REGRADING INSTRUCTIONS

DD FORM 173

REPLACES EDITION OF 1 MAY 55 WHICH MAY BE USED.

☆ GPO 1969-357-001



SECURITY

TYPE MSG

BOOK

MULTI

SINGLE

IX

PRECEDENCE

ACTION ROUTINE

INFO

DTG

FROM: 6994 SCTY SQ TAN SON NHUT AB VIETNAM

TO: PACSCTYRGN/DOX/

SPECIAL INSTRUCTIONS

DORM SEPT 70.

- A. TECHINS 4019/JSPG/1, 15 MAY 1970
- B. DIRNSA P2-1414 DF44-334, 282253Z MAY 70
1. ANNEX TO REF ALFA STATES IN FOOTNOTE QUOTE THE LOSS OF A MANNED SIGINT COLLECTION PLATFORM OR B-52 DUE TO ENEMY ACTION, REGARDLESS OF WEAPONS USED, IS TO BE REPORTED VIA CRITIC UNQUOTE. REF BRAVO LIMITS CRITIC REPORTING ON LOSS OF COMBAT COMBAT ZULU (AND OTHER PLATFORMS) TO REFLECTIONS OF LOSS DUE TO NVN FIGHTER/SAMS, ELIMINATING CRITIC FOR LOSS TO NVN GROUND FIRE/AAA. REQUEST CLARIFICATION.

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TSCT BWINS

4572

TYPED (or stamped) NAME AND TITLE

EDWARD J. MILLER, Captain, USAF

Do File



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RR YMRDQR  
DE YHLAKZ 0025 2450301  
ZNY MMNSH  
ZKZK RR RNI DE  
R 020254Z  
FM PACSCTYRGN  
TO [REDACTED]  
DIRNSA  
INFO USAFSS/DMX  
USA-561  
ZEM  
[REDACTED]

-2 SEP 1970 04 58

113 

SUBJECT: SEA AIR-RELATED CRITIC REPORTING

REFERENCES: A. TECHINS 4019/JSPC/1 15 MAY 70

B. DIRNSA P2-1414 DF44-334, 22253Z MAY 70

1. ANNEX TO REFERENCE ALPHA, IN FOOTNOTE, CONTAINS  
STATEMENT QUOTE "LOSS OF A MANNED SIGINT COLLECTION PLATFORM  
OR B-52 DUE TO ENEMY ACTION, REGARDLESS OF WEAPONS USED,  
IS TO BE REPORTED VIA CRITIC" UNQUOTE. STATEMENT IN  
PARAGRAPH ONE OF REFERENCE BRAVO INDICATES DIRNSA PURPOSE  
WAS TO LIMIT CRITIC REPORTING ON LOSS OF COMBAT COUGAR  
ZULU (AND OTHER PLATFORMS) TO REFLECTION OF LOSS DUE TO  
NVN FIGHTER/SAMS, ELIMINATING CRITIC FOR LOSS TO NVN  
GROUND FIRE/AAA.

2. BELIEVE INTENT OF REFERENCE BRAVO WAS TO DELETE  
COMBAT COUGAR ZULU PLATFORMS FROM CLASSIFICATION OF  
MANNED SIGINT COLLECTION PLAWNORM; HOWEVER, THE STATUS OF  
THE ZULU AIRCRAFT IS STILL NOT CLEAR. BASED ON THE STATEMENT  
CONTAINED IN REFERENCE BRAVO, AND THE HARD COPY GUIDANCE  
CONTAINED IN REFERENCE ALPHA THE UNIT IS IN DOUBT AS TO THE  
EXACT REPORTING RESPONSIBILITY. LOGIC DEMANDS GUIDANCE  
CONTAINED IN REFERENCE ALPHA BE FOLLOWED UNTIL AMBIGUITY  
OF STATEMENTS IS CLARIFIED.

3. REQUEST YOUR ASSISTANCE IN RESOLVING THIS MATTER.

280

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[REDACTED]



30 OCT 1970 02 51

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RR YMRDOR

DE YHLAKZ 0009 3030139

ZNY MMNSH

ZKZK RR RNI DE

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FM PACSCTYRGN

TO [REDACTED]

DIRNSA

INFO USAFSS/DOMX

USA-561

NSAPAC

ZEM

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SUBJ: SEA AIR-RELATED CRITIC REPORTING.

REF: A. TECHINS 4019/JSPC/1 15 MAY 70.

B. DIRNSA P2-1414 DF44-334, 282253Z MAY 70.

C. PSR DOMXE 020254Z SEP 70.

1. CONFUSION STILL EXISTS ON THE CRITIC REPORTING RESPONSIBILITY OF OUR ARDF UNITS ON THE DOWNINGS OF A COMBAT CROSS ACFT. ANNEX TO REF ALPHA, IN FOOTNOTE, STATES LOSS OF A MANNING SIGINT COLLECTION PLATFORM OR B-52 DUE TO ENEMY ACTION QUOTE REGARDLESS OF WEAPONS USED UNQUOTE, IS TO BE REPORTED VIA CRITIC. REF BRAVO, PARA ONE APPEARS TO BE DIRNSA ATTEMPT TO LIMIT CRITIC REPORTING TO LOSS OF A COMBAT CROSS ZULU AND ONLY IN CASES OF LOSS DUE TO NVN FIGHTER/SAMS THEREBY ELIMINATING NEED FOR CRITIC WHEN ACFT IS LOST DUE TO GROUND FIRE/AAA.
2. WE ARE CONCERNED A CRITIC MAY BE MISSED OR IGNORED BASED ON THE CONFLICTING STATEMENTS CONTAINED IN REF ALPHA AND BRAVO WHICH ALLOW UNIT WIDE INTERPRETATION.
3. THE FOLG QUESTIONS NEED CLARIFICATION:
  - A. DOES CRITIC CRITERIA APPLY TO ALL COMBAT CROSS ACFT OR ONLY TO COMBAT CROSS ZULU.
  - B. IS A CRITIC TO BE ISSUED REGARDLESS OF WEAPONS USED OR ONLY IF LOSS IS DUE TO NVN FIGHTER/SAMS.
4. CLARIFICATION OF THE ABOVE TWO POINTS, PLUS A REVISION TO THE ANNEX CONTAINED IN REF ALPHA SHOULD RESOLVE MATTER TO THE BENEFIT OF ALL CONCERNED. UR ASSISTANCE IN THIS MATTER GREATLY APPRECIATED.

330

0009



## JOINT MESSAGEFORM

RESERVED FOR COMMUNICATION CENTER

SECURITY CLASSIFICATION

TYPE MSG

PRECEDENCE

ACTION PRIORITY

INFO

DTG 050215Z NOV 70

FROM: USA-561

TO: USM-626

SPECIAL INSTRUCTIONS

DORTX

SUBJECT: ANALYTIC IDENT/SEATS LOGGING

REF UR IAPV303-175/PAR

MY DORTX 150245Z AUG 70

1. CONCUR THAT THIS STATION HAS MADE MISIDENTS BY NOT ALWAYS CONFIRMING IDENTs WITH GARBLED CALLSIGNS AGAINST SCHEDULES, FREQS, ETC OF ROTAS AVAILABLE ~~###~~ HERE. ~~#####~~ HOWEVER, IN THE CASE OF INACTIVE ROTAS THAT HAVE NOT BEEN DELETED/CANCELED WE HAVE NO WAY OF DETERMINING THIS AT THIS UNIT.
2. WILL IMPRESS UPON ANALYSTS THE NEED TO VERIFY DEGARbled IDENTIFICATIONS WITH ROTAS HELD AT THIS UNIT FOR ACCURACY OF OTHER TECHNICAL INFO ON THE INTERCEPTED TRAFFIC.
3. REF PARA 2 AND 6 UR MSG. ANNEX A TO T2037 DTD 6 MAY 68 REQUIRES THAT THE CORRECT CALLSIGN BE RECORDED IN THE CALLSIGN RECORDING SECTION AND THE CALLSIGN AS ACTUALLY INTERCEPTED BE LOGGED IN THE COMMENTS SECTION. THIS IS

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MONTH	YEAR
NOV	70
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TYPED NAME AND TITLE

PHONE

3706

SIGNATURE

Robert G. Schuricht

TYPED (or stamped) NAME AND TITLE

FOR: EDWARD J. MILLER, CAPT, USAF  
OIC, AIRBORNE OPERATIONSR. G. SCHURICHT, MSGT  
NCOIC, ANALYSIS AND REPORTING

REGRADING INSTRUCTIONS

SEC

DD FORM 173  
1 NOV 65

REPLACES EDITION OF 1 MAY 58 WHICH MAY BE USED.

★ U.S. Government Printing Office: 1960-332-187




ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

SECURITY CLASSIFICATION

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
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IN DIRECT CONTRADICTION TO THE REFERENCE MADE IN PARA 2 YOUR MESSAGE (TEXTA FORMAT INSTRUCTIONS). REQUEST FURTHER CLARIFICATION OF THIS ITEM. FURTHER, RECOMMEND THAT DIRNSA BE MADE AWARE OF THIS CONFLICT SO THAT TECHINS 2037 CAN BE APPROPRIATELY AMENDED.

4. WILL WITH HOLD ACTION REQUESTED (PARA 6) PENDING CLARIFICATION.

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		2	2	DORTX 050215Z NOV 70	
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DD 1 NOV 63 173-1

REPLACES EDITION OF 1 MAY 55 WHICH MAY BE USED.



TYPE MSG

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PRECEDENCE

ACTION PRIORITY

INFO

DTG

170435Z

FROM: 6994tSCIT SQ TAN SON NHUT AB RVN

SPECIAL INSTRUCTIONS

TO: PACSCITRGN

DORTX

REFS: A. B6-736-70, 110039Z DEC 70

B. DORKE 012111Z DEC 70

C. B64/726-70

SUBJECT: REVISION OF SEATS PROFORMA LOG

1. DO NOT ANTICIPATE DIFFICULTIES IN LOGGING SEATS ENTRIES  
IAW REVISED NSA FORM 7838 OTHER THAN NORMAL ANALYST ADJUSTMENT  
TO THE NEW LOG.

2. FOLLOWING ITEMS NOT CLARIFIED IN REF C.

A. ARE AF AVIATION UNITS TO ENTER GMA SOURCE CODES IN FIELD "2"  
(RESPONSIBILITY CODE): IF NOT FIELD "2" AND "3" ARE DUPLICATED.

B. FIELD "11" (ADDITIONAL SOURCE) PRESENTLY LOGGING "C" FOR  
COMBAT CROSS AND "Z" FOR COMBAT CROSS ZULU MISSIONS IN THIS FIELD.  
IS THIS ENTRY STILL VALID?

C. PRESENTLY ENTERING AIRCRAFT MISSION NR, I.E. (803A) AS AN  
ANALYST COMMENT FOR EACH CONTACT. IS THIS ENTRY NECESSARY?

D. IS THE POKING SEQUENCE IAW LINE NUMBERS PRE PRINTED ON THE

REVISED FORM 7838?

DATE	TIME
17	1030
MONTH	YEAR
DEC	70
PAGE NO.	NO. OF PAGES
1	1

TYPED NAME AND TITLE

PHONE

3706

SIGNATURE

EJM

TYPED (or stamped) NAME AND TITLE

EDWARD J. MILLER, Capt, USAF  
Chief, Local Operations

REGRADING INSTRUCTIONS

MSgt Schuricht

SEC

DD FORM 173  
1 NOV 68



## JOINT MESSAGEFORM

RESERVED FOR COMMUNICATION CENTER

SECURITY CLASS

TYPE MSG

BOOK

MULTI

SINGLE

XX

## PRECEDENCE

ACTION ROUTINE

INFO

DTS

FROM: USA-561

TO: DIRNSA

INFO: PACSCTYRGN/DOR

USAFSS/DOR

USA-562

USA-563

USA-564

USM-704/ACC

USA-561/DORT - MESSENGER

DORM

## SPECIAL INSTRUCTIONS

EHL: RMI

SUBJ: TECHINS 2038 (ARD? TECHNICAL REPORTS).

A. USM-704 IAPVACC 070700Z MAY 70 (NOTAL)

B. USM-704 IAPVACC 160320Z MAY 70 (NOTAL)

1. PROVISIONAL T-2038 WAS IMPLEMENTED ON 6 JUN 70. QUERY STATUS OF PUBLICATION OF FINAL T-2038. REQUEST CONSIDERATION BE GIVEN TO FOLLO RECOMMENDED CHANGES IN FINAL T-2038:

A. SECTION II, PARA 5D(11)(A) CHANGE FIRST SENTENCE TO READ, "ALL SCHEDULED MSGS REQUIRE AN ARR. ANY UNSCHEDULED MSG THAT ACQUIRES FIX DATA REQUIRES AN ARR." AS PRESENTLY WRITTEN, THIS PARA IS

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TYPED NAME AND TITLE

PHONE

1691

SIGNATURE

Capt Sayles/drs

TYPED (or stamped) NAME AND TITLE

JACK BARNES, Lt Col, USAF

Operations Officer

GRADING INSTRUCTIONS

DD FORM 173  
NOV 65

REPLACES EDITION OF 1 MAY 55 WHICH MAY BE USED.

☆ GPO 1967-242-605



ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

SECURITY CLASSIFICATION

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION ROUTINE	Lt Col Barnes	Capt Sayles	4891
INFO			

AMBIGUOUS. THE FIRST SENTENCE IMPLIES THAT A SCHEDULED MSG NOT  
ACQUIRING FIX DATA DOES NOT REQUIRE AN ARR, WHILE THE SECOND  
SENTENCE DESCRIBES AN ENTRY TO BE USED IN SUCH A CASE.

B. PAGE 11 - IDENTIFICATION CATEGORY DESIGNATOR. IDENTIFICATION  
SHOULD BE EXPANDED TO INCLUDE STATEMENT, "TARGET MUST BE IDENTIFIED  
TO REFERENCE DESIGNATOR BEFORE THE SYMBOL "F" IS ASSIGNED IN FIELD  
ONE OF THE MISSION RESULTS LINE."

C. PAGE 13 - FIX CATEGORY. CHANGE SECTION 12(A) AND 12(B) TO READ  
AS FOLLOWS: "DATA IN THIS FIELD IS USED TO EVALUATE USEFULNESS OF  
THE CHERRY SHEETS. IF THE FIX IS IDENTIFIED TO RD, THEN ONE OF THE  
FOLLOWING ENTRIES MUST BE ENTERED IN FIELD 12 OF THE FIX LINE: 1A,  
2A, 3A (TARGET WAS ON CHERRY SHEET AS PRIORITY 1, 2, OR 3,  
RESPECTIVELY). 0A (TARGET WAS ON CHERRY SHEET AS A NON-PRIORITY OR  
UNKNOWN PRIORITY) 1N, 2N, 3N (TARGET WAS NOT ON CHERRY SHEET BUT  
WAS LISTED AS PRIORITY 1, 2, OR 3 ON CURRENT PRIORITY LISTING).  
0N (TARGET WAS NOT ON CHERRY SHEET AND WAS LISTED AS NON-PRIORITY  
TARGET ON CURRENT PRIORITY LISTING, OR PRIORITY IS UNKNOWN).

ALL UNIDENTIFIED FILES WILL HAVE A SINGLE DASH IN FIELD 12.

D. PROVISIONAL T-2038 CONTAINS NO REQUIREMENT FOR ENTRIES CONCERNING  
POSITIONS MANDED, MINUTES OF COPY TIME, OR EXPLOITABLE MSGS COPIED.  
THESE REQUIREMENTS ARE CONTAINED IN REFS A AND B AND SHOULD EITHER

CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
			3		
SECURITY CLASSIFICATION				REGRADING INSTRUCTIONS	



ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

PRECEDENCE		RELEASED BY		PHONE	
ACTION		Lt Col Barnes		Capt. Saylor	
INFO					
ROUTINE				4891	

BE INCORPORATED INTO TECHINS OR DELETED FROM REQUIREMENT.

E. PAGE 7 - SEA AREAS. THIS SECTION SHOULD BE AMENDED TO INCLUDE SEA AREA 20.

F. PAGE 14 - MISSION COMMENTS SECTION. LINE BEARINGS SHOULD BE REPORTED IN SAME GENERAL SEQUENCE AS IN THE FORMATTED PORTION OF THE REPORT. SUGGEST THE FOLLOWING BE ADOPTED:  
DTG OF LOP/CASE TETRAGRAPH/CASE PENTANOME/RX CALLSIGN/TX CALLSIGN/  
FREQUENCY/ACFT LOCATION/LINE BEARING.

G. TO DATE FOUR ELECTRICAL CHANGES TO PROVISIONAL T-2038 HAVE BEEN RECEIVED. THESE CHANGES SHOULD BE CONFIRMED BY HARD COPY CHANGES IAW INTRODUCTION TO MUSSO, DTD 3 MAR 69, SECTION IV, PARA 3, OR BE DISCONTINUED. PLEASE ADVISE.

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SEC				REGRADING INSTRUCTIONS	



JOINT MESSAGEFOR

RESERVED FOR COMMUNICATION CENTER

TYPE MSG

PRECEDENCE

ACTION FLASH

INFO

DTG 20 0922 Z NOV 70

FROM:

6994 SS

TO: HQ USAFSS (DOR/DORT)

PACSCYRCN (DOR)

DIRNSA

NSAPAC

SSO MACV (J2114)

ZEN/AFSSO 7TH AF (INXCS) ((VIA COURIER))

ZEN/NRV ((VIA <sup>OPSCOMM</sup> COURIER))

ZEN/509 RRG (ACC) ((VIA OPSCOMM))

SPECIAL INSTRUCTIONS

RNI

SUBJ: AIRBORNE INCIDENT REPORT (AIR)

1. AIR NR 07-70 INITIAL AND FINAL REPORT

2. MISSION IDENT: COMBAT CROSS ZULU MSN NR 802D

3. INCIDENT

A. ACFT: ONE EC-47 TAIL NR 48702

B. TYPE: AIR BURST 200-300 METERS OFF RIGHT WING

C. TIME: 200545Z NOV 70

D. LOCATION: VS56832: AT 4,700 FEET

4. CREWMEMBERS ABOARD:

DATE	TIME
20	1720H
MONTH	YEAR
NOV	70
PAGE NO.	NO. OF PAGES
1	2

TYPED NAME AND TITLE

PHONE

3706

SIGNATURE

TSGT DENNIS M. TAYLOR

RELEASED

TYPED (or stamped) NAME AND TITLE

EDWARD J. MILLER, CAPT USAF  
CHIEF LOCAL OPERATIONS

SECURITY CLASS

REGRADING INSTRUCTIONS

DD FORM 173  
1 NOV 63

REPLACES EDITION OF 1 MAY 55 WHICH MAY BE USED.

☆ GPO 1967-242-605



ABBREVIATED MESSAGEFORM  
and/or CONTINUATION SHEET

SECURITY CLASSIFICATION

**CONFIDENTIAL**

PRECEDENCE	RELEASED BY	DRAFTED BY	FILED
ACTION			
INFO			

#

A. USAFSS

SSGT ALEXIS COLE/[REDACTED]/7 MO IN CNTY/77 MSNS

SGT MICHAEL B. ACOSTA/[REDACTED]/6 MO IN CNTY/50 MSNS

SGT PAUL J. SZAJBO/[REDACTED]/3 MO IN CNTY/36 MSNS

SGT RICHARD S. RENKAS/[REDACTED]/13 MO IN CNTY/197 MSNS

B. 360 TEWS

MAJ TERRY P. HART/[REDACTED]/PILOT/1.5 MO IN CNTY/16 MSNS

1LT GIRARD HOFFPAUIR/[REDACTED]/CO-PILOT/6 MO IN CNTY/91 MSNS

MAJ FRED G. MONACO/[REDACTED]/NAVIGATOR/9 MO IN CNTY/98 MSNS

5. SEARCH AND RESCUE: N/A

6. REMARKS: CREWMEMBERS OBSERVED ONE PROB MEDIUM SIZE ANTI-AIRCRAFT BURST OFF THE RIGHT WING AT A DISTANCE OF 200-300 METERS. NO DAMAGE RESULTED AND MISSION CONTINUED AS SCHEDULED.

GP-1

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			2	110 47 04	[Signature]
SECURITY CLASS	REGRADING INSTRUCTIONS				

DD FORM 1 NOV 63 173-1

REPLACES EDITION OF 1 MAY 55 WHICH MAY BE USED.



## JOINT MESSAGEFORM

RESERVED FOR COMMUNICATION CENTER

SECURITY CLASSIFICATION

PRECEDENCE

ACTION

INFO

PRIORITY

DTG

190810Z Sep 70

FROM:

USA-561

TO:

NSAPACREPVET

INFO: PACSCTYRON/DORT/

DET 2, 6994 SCTY SQ/DO/

SEP 70.

SUBJ: COMINT MATERIAL ABOARD AIRBORNE SIGINT PLATFORMS IN SEA(SCC).

REF NSA ADN 191607Z DEC 68 (QUOTED IN UR F463/0760 DTG &amp; JULIAN DATES GARBLED BUT PROB SENT IN EARLY 69) (NOTAL).

1. DUE TO THE PROVEN VALUE OF HAVING AN AIRBORNE ANALYST ABOARD EC-47 ZULU ACFT, WE WILL BE IMPLEMENTING AN EXPANDED ABN ANALYTICAL PROGRAM WITHIN THE 6994 SCTY SQ COMPLEX IN THE NEAR FUTURE.

2. EXPERIENCE GAINED FROM THE PAST DRILL PRESS/SENTINEL SARA PROGRAM AND THE CURRENT NEP OPERATIONS OVER LAOS DICTATE THAT THE ABN ANALYST HAVE IMMEDIATE ACCESS TO TECH DATA NOT PRESENTLY CARRIED ABOARD OUR MSN ACFT.

2. ALTHOUGH GUIDANCE CONTAINED IN REF (WHICH IS LATEST INFO WE HOLD ON THIS SUBJ) DOES NOT SPECIFICALLY AUTHORIZE NEEDED

TECH MATERIALS (PARA 1A) IT ALSO DOES NOT PROHIBIT CARRYING

DATE	TIME
MONTH 18	YEAR 1545
PAGE NO. 1	NO. OF PAGES 2

DRAFTER

TYPED NAME AND TITLE

PHONE

4891

SMSGT MILLER/gdw

RELEASER

SIGNATURE

TYPED (or stamped) NAME AND TITLE

JACK BARNES, Lt Col, USAF  
Operations Officer

REGARDING INSTRUCTIONS



ABBREVIATED JOINT MESSAGEFORM  
and/or CONTINUATION SHEET

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION PRIORITY	LT COL BARNES	SMSGT MILLER/gdw	4891
INFO			

NEEDED TECH DATA (PARA 2). WE FEEL IT AN ABSOLUTE NECESSITY TO HAVE,  
WHEN FLYING ZULU MSNS IN SELECTED AREAS, THE FOLLOWING ADDITIONAL TECH DATA:  
A. V65B PRC LISTING B. BOOK/PAIR LISTINGS C. NECESSARY <sup>ROTHS</sup> DATA FOR AREA  
FLOWN D. VC/NVA Q/Z RIGS E. LINK ACTIVATOR LIST F. CRYPT SYSTEMS  
IDENTIFIERS (NOT THE SYSTEM BUT A BRIEF DESCRIPTION OF THE SYSTEMS THAT  
CAN BE ENCOUNTERED) G. COUNTRY WIDE CALLSIGN LISTING (NEG TASKING LIST).  
3. WE ARE NOT ASKING CARTA BLANCHE PERMISSION TO CARRY ALL AVAILABLE  
TECH DATA BUT WE DO NEED OFFICIAL AUTHORIZATION TO CARRY THOSE AIDS THAT  
WILL GREATLY ENHANCE THE ABM ANALYTICAL/COLLECTION EFFORT. IN SUMMARY  
WE WOULD PREFER TO HAVE OFFICIAL INSTRUCTIONS ON THE ORDER OF THAT CONTAINED IN  
PARA 2 OF THE NSA REF II I.E. LET THE INDIVIDUAL ORGANIZATION DETERMINE  
WHAT CAT II TECH DATA IS NECESSARY FOR PROFESSIONAL MISSION ACCOMPLISHMENT.

APPRECIATE YOUR ASSISTANCE AND EXPEDITIONS ACTION.

M/R: The latest guidance that we have on what Cat II material may or may not  
be carried aboard the mission aircraft is rather vague in that one paragraph  
states the Cat II material must be limited to an absolute minimum and may consist  
of "last fix, date of last fix, schedules, callsigns, frequencies, trigraphs,  
cane notations and priority." Another paragraph in the same message states that  
"expect that the SIGINT unit involved normally will make the determination as to  
what is essential to the assigned task and what is of current application thereto".  
If we are to accomplish the airborne analytical function in a worthwhile manner  
we must have authority to carry necessary tech data.  
SMSGT MILLER/DO/4891

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NNNNZ CZ CRDA 852L AA649KZA 120

RR YMRDQR

DE YMLAKZ 0024 2970210

ZNY MMNSH

R 240148Z

FM PACSOTYRGN

TO 6994 SOTYSQ/DO/DOR

ZEM

24 OCT 1970 06 24

DOR

SUBJ: COMINT MATERIAL ABOARD SIGINT PLATFORMS IN SEA.  
FOLLOWING MSG IS QUOTED FOR YOUR INFO. THIS SUBJ WILL BE TOPIC  
OF DISCUSSION DURING COMMAND VISIT BY THIS HQ 7-14 NOV. WILL  
ADVISE OF STATUS UPON RECEIPT OF FURTHER INFO QUOTE

P 191948Z

FM PACSOTYRGN

TO USAFSS/DO

ZEM

DO

DELIVER FIRST DUTY HOUR

SUBJ: COMINT MATERIAL ABOARD SIGINT PLATFORMS IN SEA

REFS:

A. DIRNSA D/DIR 1094-70, 101444Z OCT 70.

B. YOUR DOR 131413Z OCT 70.

C. MY DO 130204Z OCT 70.

D. OUR DOR 140217Z OCT 70.

1. REF DELTA IMPLEMENTS RESTRICTIONS THIS SUBJ AS IDENT IN  
REFS ALFA AND BRAVO. REF CHARLIE IS AN INTERIM REPLY STATING  
OUR EXCEPTION TO REF ALFA. REF BRAVO CONCURS WITH AND FORWARDS  
REF ALFA ALONG WITH TWO OTHER MESSAGES RELATED TO THIS SUBJ.

2. THE FOLLOWING COMMENTS WERE GENERATED AS A RESULT OF SUBJ  
DISCUSSION DURING ARDP OPS CONFERENCE AS PER REF CHARLIE AND  
INCLUDES FINDINGS OF THE PSR STAN/EVAL VISIT TO THE 6994 SOTYSQ  
COMPLEX DURING THE PERIOD 01-13 OCT 70.

3. REF BRAVO PARA TWO. THE STATEMENT IN REF ALFA PARA ONE IS  
NOT AN EXPANSION OF THE AIRBORNE ANALYTICAL PROGRAM PER SE, BUT  
AN ATTEMPT TO INCREASE PRODUCTION, IDENT RATE, AND OVERALL ANALYT-  
ICAL EXPERTISE THROUGHOUT THE 6994 SOTYSQ COMPLEX.

DET 3 HAS ALMOST ACHIEVED THIS GOAL AS EVIDENCED  
BY THE CURRENT HIGH RATE OF PRODUCTIVITY WHICH AVERAGES 50 PERCENT  
MORE THAN DET 2 AND THE SQDN OPERATIONS. THE RELATIVE HIGH DEGREE  
OF PRODUCTIVITY IS ATTRIBUTED TO EFFECTIVE MISSION COORDINATION  
ACCOMPLISHED BY THE AIRBORNE ANALYST AND THE OUTSTANDING DATA BASE  
DEVELOPED THROUGH GROUND EXPLOITATION EFFORTS. DET 3 HAS ALSO  
ORIGINATED THE FIRST COMPLETE STAN EVAL PROGRAM FOR AIRBORNE  
ANALYSTS AND THESE PROGRAMS HAVE COLLECTIVELY SET THE EXAMPLE  
FOR EFFECTIVE MANAGEMENT OF THE CCZ MISSION. THE REQUEST FOR  
SPECIFIC AUTHORITY TO CARRY THOSE ITEMS DEEMED NECESSARY TO  
ACCOMPLISH THE MISSION WAS INITIATED TO FACILITATE EXPANSION OF  
THE ENTIRE DET 3 PROGRAM TO THE OTHER THREE UNITS OF THE 6994TH  
COMPLEX.

RF  
DO



4. OF THE SEVEN CAT TWO ITEMS LISTED IN REF ALFA PARA TWO, THE PRO ALPHABETICAL SORT OF THE V65B CALLSIGN SYSTEM IS THE MOST IMPORTANT AND NECESSARY ITEM FOR EFFECTIVE MISSION COORDINATION. THIS SANITIZED DOCUMENT, TOGETHER WITH THE BOOK PAIR LISTINGS DEVELOPED BY THE UNIT, PROVIDES THE INSTANT CAPABILITY TO DIFFERENTIATE BETWEEN HIGH AND LOW LEVEL COMMS BY CALLSIGN USAGE. THE BULK OF THE HIGH PRODUCTIVITY FIGURES ENJOYED BY DET 3 IS THE DIRECT RESULT OF IDENTIFYING LOW LEVEL EXPLOITABLE COMMS AS SOON AS THE CALLSIGNS ARE INTERCEPTED. THIS CAPABILITY ALSO ACCOUNTS FOR THE MESSAGES/EXPLOITABLE RATE OF NEARLY 100 PERCENT. ADMITTEDLY, THE BARRELL ROLL AND STEEL TIGER AREAS PROVIDE LUCRATIVE SOURCES OF EXPLOITABLE DATA; HOWEVER, EXAMINATION OF CALLSIGNS INTERCEPTED FROM THE SOUTH VIETNAM AREAS CLEARLY INDICATES CALLSIGN BOOK PAIRINGS CAN BE ISOLATED WHICH WILL DIFFERENTIATE BETWEEN HIGH AND LOW LEVEL COMMS. THE MOST EXPEDIENT METHOD OF INSURING DESIREABLE COPY AND EFFECTIVE PROSITION UTILIZATION IS THROUGH THE IDENT OF CALLSIGNS TO BOOK PAIRINGS AND PAGE/ROW/COLUM BREAKOUTS. ADDITIONALLY, DET 3 HAS IMPLEMENTED THE PROCEDURE OF WORKING THE HIGH LEVEL BOOK BREAKS AS PRIORITY TARGETS WHEN THE "X" OPERATOR IS NOT BUSY WITH A PRIORITY TARGET LISTED ON THE CHERRY SHEET. IN THIS INSTANCE, THE MAJORITY OF THE HIGH LEVEL BOOK BREAKS CAN BE REDUCED TO RD'S WHICH APPEAR ON THE MACV PRIORITY LIST AS PRIORITY TWO OR THREE.

5. NSA HAS DEVELOPED A 60 DAY TEST FOR A REVISED CHERRY SHEET. THIS NEW ARDP TECH SUPPORT DATA FOR EACH MISSION INCLUDES SKEDS FOR MOST RELIABLE PRIORITY ONE AND SPECIAL EMPHASIS TARGETS WITH PREDICTED CALLSIGNS FOR ALL OTHER PRIORITY ONE PLUS PRIORITY TWO AND THREE TARGETS LISTED IN ALPHABETICAL ORDER. INFORMATION AVAILABLE INDICATES THE NUMBER OF PRIORITY ONE TARGETS WILL BE MINIMAL AND THE METHOD OF PREDICTING ALL CALLSIGNS WILL REMAIN STATIC. SINCE DATA BASE MATERIAL USED FOR CHERRY SHEET DEVELOPMENT WILL BE OVER 90 DAYS OLD, IT CANNOT BE CONSIDERED ACCURATE OR COMPLETE UNLESS EXTENSIVE GROUND SUPPORT IS PROVIDED IN THE FORM OF SUPPLEMENTING THE CHERRY SHEETS OR BY USING THE BOOK BREAK PROCEDURE IDENT ABOVE. THIS HQS HAS ACTIVELY ENCOURAGED UNIT SUPPLEMENTATION OF CHERRY SHEETS THROUGHOUT THE 6994TH BUT REALIZE THIS TASK CANNOT BE EFFECTIVELY ACCOMPLISHED WITH EXISTING RESOURCES. WE ARE INITIATING FORMAL TASKING FOR THE 6994TH AND DETS WHICH INCLUDES PRIORITIES FOR EACH ANALYTICAL TASK. OF NECESSITY, CHERRY SHEET SUPPLEMENTATION IS TO BE ACCOMPLISHED WHEN RESOURCES PERMIT. IF IS PREMATURE TO JUDGE THE VALUE OF THE CHERRY SHEETS TO BE TESTED; HOWEVER, SINCE THE AVERAGE NUMBER OF TARGETS WILL BE LESS PER FRAG AREA THAN THOSE UNDER THE OLD SYSTEM, IT IS APPARENT THAT AIRBORNE ANALYTICAL ASS

2978624182ANCE  
TO EFFECT MISSION COORDINATION AND DIRECTION WILL BECOME AN IMPERATIVE FACTOR. IF WE INTEND TO MAINTAIN THE HIGH RATE OF PRODUCTIVITY AND EXPLOITABLE MESSAGES FROM DET 3 AND EXPAND THIS PROGRAM TO THE SISTER UNITS.

6. THIS HQS STAN EVAL TEAM'S INSPECTION OF ALL UNITS REVEALED ALL CLASSIFIED MATERIAL CARRIED ABOARD IS AFFORDED THE HIGHEST DEGREE OF SAFEGUARDING. EACH UNIT RIGIDLY ENFORCES EMPLOYMENT OF PRE AND POST MISSION INVENTORY CHECKLISTS; DESTRUCTION PRIORITIES IF CLASSIFIED MATERIAL ARE INCORPORATED INTO ALL STAN EVAL TESTS; AND, DESTRUCTION PRIORITIES ARE LISTED IN THE MISSION CHECKLIST.

7. SUMMARY, ELIMINATION OF THE PRIME ANALYTICAL TOOLS ON BOARD MISSION ADPT (REF BRAVO PARA THREE ALFA) WILL HAVE A DELETERIOUS EFFECT ON DESIRED PRODUCTIVITY AND DEGRADE OUR CONTINUED EFFORTS TO FULFILL OUR OBJECTIVES AS STATED IN USAFSS/TOC MSG

21429Z MAR 69.

QUOTE.

88

3824



31 OCT1970 02 35

304 025 020Z OR00819  
RR YMRDQR  
DE YMLAKZ 0050  
ZNY MMNSH  
ZUI YMRDQK 0100 3052210 X YMRDZ0 2106 3040001 X VOL TO ALL OTHER  
DE YMLAKZ 0050 3052034  
ZNY MMNSH  
R 302025Z  
FM PSR  
TO USAFSS/DO  
INFO 6994 SOTY SQ/DO  
DET 1 6994 SOTY SQ/DO  
DET 2 6994 SOTY SQ/DO  
DET 3 6994 SOTY SQ/DO  
ZEM

DO

AIRBORNE ANALYSTS

REFS: A. PSR DO LTR SEA ARDP PROGRAM, MANPOWER DTD 23 APR 70.  
B. USAFSS DCR 201800Z JUL 70.  
C. PSR DO 191940Z OCT 70.

1. REFS ALFA AND BRAVO RESPECTIVELY REPRESENT CORRESPONDENCE WHICH JUSTIFIED UDO ACTION AND AUTHORIZED UPGRADING -/A202 SLOTS WITHIN THE 6994 SOTY SQ TO AIRBORNE SLOTS. REF CHARLIE BRIEFLY OUTLINES THE PRESENT ANALYTICAL PROCEDURES ESTABLISHED BY DET 3 AND THE OUTSTANDING SUCCESS THEY HAVE HAD AT MAINTAINING HIGH EFFECTIVENESS LEVELS. IT IS OUR CONTINUED INTENTION TO EXPAND THIS PROGRAM THROUGHOUT THE 6994SS COMPLEX AND THEREBY FULFILL OUR OBJECTIVE OF RAISING ALL UNIT'S EFFECTIVENESS FIGURES TO THE HIGHEST LEVEL ATTAINABLE.

2. REF BRAVO PARA FOUR PROHIBITS TRAINING ASSIGNED A202'S FOR FLYING STATUS AND HAS CONSEQUENTLY HAD A SERIOUS IMPACT ON PROMOTING THE ANALYTICAL PROGRAM DEVELOPED BY DET 3. UNDER THE PRESENT RESTRICTIONS, INITIAL PROGRAM EXPANSION WILL NOT BE REALIZED FOR APPROX ONE YEAR SINCE OUR UNITS HAVE RECENTLY UNDERGONE A LARGE INVOYER IN PERSONNEL AND THE MAJORITY OF THE ASSIGNED A202'S HAVE APPROX NINE MONTHS RETAINABILITY. THESE PERSONNEL WILL BE EVENUALLY REPLACED BY FULLY QUALIFIED A202'S WHO MUST ATTAIN THE EXPERIENCE LEVEL ALREADY POSSESSED BY ASSIGNED ANALYTICAL PERSONNEL BEFORE THEY CAN BEGIN TO EFFECT AN APPRECIABLE INCREASE IN OVERALL MISSION EFFECTIVENESS.

3. REQUEST YOUR POSITION IN REF BRAVO PARA FOUR BE RECONSIDERED. FURTHER, REQUEST AUTHORIZATION BE GRANTED TO SEND THOSE PHYSICALLY QUALIFIED R 202 PERS AT DET TWO, DET THREE, AND TAN SON NHUT WITH SIX MONTHS RETAINABILITY TO PUS8 WITH WAIVERS GRANTED FOR SYBBA, AND SUBSEQUENT ASSIGNMENT TO THE PRESENTLY VACANT AIRBORNE ANALYST BILLETS. YOUR APPROVAL OF THESE REQUESTS WILL PRODUCE THE FOLLOWING RESULTS: FACILITATE EXPANSION OF THE DET 3-ORIGINATED PROGRAM TO TSN AND DANANG; EXPEDITE ACHIEVING ANALYTICAL EXPERTISE AND SUBSEQUENT INCREASES IN PRODUCTIVITY; MAXIMIZE USE OF ENTITY-QUALIFIED ANALYSTS WITH SUFFICIENT RETAINABILITY IN SEA; AND, PROMOTE VOLUNTARY CONSECUTIVE OVERSEAS TOURS BETWEEN ARDP UNITS BY AIRBORNE ANALYSTS.

4. WE STRONGLY FEEL OUR OBJECTIVES PARALLEL THOSE OF YOUR HQS AND THE METHOD OF ACHIEVING THESE OBJECTIVES AND RELATED BENEFITS ARE IN THE BEST INTEREST OF ALL CONCERNED. IMMEDIATE APPROVAL OF THE ABOVE REQUESTS SHOULD PRODUCE DESIRED RESULTS WITHIN SIX MONTHS OF PROGRAM IMPLEMENTATION. NON-CONCURRENCE WITH REQUESTS WILL IMPEDE POTENTIAL PROGRESS FOR AN ESTIMATED 12 TO 18 MONTHS.

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0050



ZCZCR08352  
RR YWRDQR  
DE SWQADK 0017 30716AA  
ZNY MMNSH  
R 031630Z  
FM USAFSS  
TO PACSCTYRON  
INFO 6994SCTYSQ  
ZEN

NOV 1970 20

23  
B/T

DD  
DART

00R

SUBJECT: AIRBORNE ANALYSTS (U)

REFERENCE: A. PAC SCTY RON MSG DO 302025Z OCT 70

B. USAFSS MSG OOR 201800Z JUL 70

C. DIRNSA MSG D/DIR 1014-70, 101444Z OCT 70

1. THE PROHIBITION OF TRAINING ASSIGNED R202XBS FOR FLYING DUTIES (REF B) AS WELL AS LIMITATIONS ON COMINT MATERIAL CARRIED ABOARD AIRCRAFT (REF C), ARE BOTH RECOGNIZED AS SEVERELY IMPACTING ON THE SUCCESS OF THE AIRBORNE ANALYST PROGRAM. WE CONCUR THAT ASSIGNMENT OF A202S WILL SIGNIFICANTLY DELAY FULL SCALE PROGRESS OF KEYON TO VALIDATE NEED FOR AIRBORNE ANALYSTS.
2. THE MAJOR OBSTACLE FACING TRAINING OF ASSIGNED R202S TO FLYING DUTIES IS HQ USAF XTREME RELUCTANCE TO GRANT WAIVER FOR SV-50-A. HQ USAF CURRENTLY GRANTS SV-50-A WAIVERS ONLY TO SEA PERSONNEL ON A NAME BASIS AND SUBJECT TO DETAILED JUSTIFICATION FOR EACH CASE.
3. HAVE BEEN INFORMALLY ADVISED THAT THE OVERALL SUBJECT OF COMINT MATERIAL TO BE CARRIED ABOARD SIGINT PLATFORMS IN SEA IS UNDER REVIEW AT NSA. ANY CHANGES TO REF C WILL BE HELD IN ADEYANCE PENDING OUTCOME OF REVIEW BOARD.
4. BELIEVE ONLY POSSIBLE ACTION THAT CAN BE TAKEN IN IMMEDIATE TIMEFRAME IS TO ATTEMPT TO OBTAIN SV-50-A WAIVER ON INDIVIDUAL BASIS, DESPITE LOW PROBABILITY OF WAIVER BEING GRANTED. REQUEST YOUR HQ SELECT INDIVIDUAL(S) FOR SUBMISSION TO INCLUDE DETAILED JUSTIFICATION.

248

0017

NNNN



## JOINT MESSAGEFORM

RESERVED FOR COMMUNICATION CENTER

SECURITY CLASSIFICATION

TYPE MSG

BOOK

MULTI

SINGLE

X

PRECEDENCE

ACTION

IMMEDIATE

INFO

DTG

07/0029

Z NOV 70

FROM: 6994 SCTY SQ

TO: PACSCTYRGM/DOR

SPECIAL INSTRUCTION

DOR

SUBJECT: AIRBORNE ANALYSIS (U)

REF YOUR DOR 04/0217Z AND PHONE CONVERSATION BETWEEN CAPT WHEELER AND LTCOL BARNES.

1. AS YOU ARE AWARE, THE ANALYTICAL EFFORT REQUIRED IN SEA IS UNIQUE WHEN COMPARED TO ANY OTHER ANALYTICAL TASK FACED BY USAFSS PERSONNEL IN OTHER PARTS OF THE WORLD. TO BE EFFECTIVE OUR PERSONNEL MUST BE TAUGHT THE MOST BASIC DETAILS OF TRAFFIC ANALYSIS I.E., THEY MUST (BE) LEARN NET DEVELOPMENT, BE INTIMATELY FAMILIAR WITH THREE BASIC CALLSIGN SYSTEMS AND THE UNTOLD VARIATIONS UTILIZED BY THE VC/NVA IN THE EMPLOYMENT OF THOSE BASIC SYSTEMS, KNOW THE MOST COMPLEX COMMUNICATIONS NET STRUCTURES/WORKINGS ENCOUNTERED ANYWHERE IN THE T/A FIELD, AND BE FAMILIAR WITH LITERALLY HUNDREDS OF CRYPT SYSTEMS. OUR PAST EXPERIENCE, EVEN WITH HIGHLY QUALIFIED AIR ANALYSTS, IS THAT IT TAKES A MINIMUM OF SIX MONTHS OF OJT BEFORE AN INDIVIDUAL CAN BE CONSIDERED TRULY PROFICIENT IN THIS AREA OF ANALYSIS. THEREFORE, THE

DATE	TIME
07	0740H
MONTH	YEAR
NOV	1970
PAGE NO.	NO. OF PAGES
01	06

TYPED NAME AND TITLE

PHONE

4891

SIGNATURE

CARROLL W. MILLER, SMSGT, USAF  
NCOIC, DOR (ajs)

TYPED (or stamped) NAME AND TITLE

JACK BARNES, LTCOL, USAF  
OPERATIONS OFFICER

REGRADE INSTRUCTIONS



ABBREVIATED INT MESSAGEFORM  
and/or CONTINUATION SHEET

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION IMMEDIATE	JACK BARNES, LTCOL, USAF	GARROLL W. MILLER, SMSGT	4891
INFO	OPERATIONS OFFICER	NGOIC, DOR (ajs)	

PRIME CONSIDERATIONS FOR A SUCCESSFUL AIRBORNE ANALYTICAL PROGRAM ARE SUFFICIENT PERSONNEL WITH THE RETAINABILITY AND NECESSARY EXPERIENCE TO MAKE THE PROGRAM BENEFICIAL TO USAFSS AND THE COMINT COMMUNITY.

2. WITH THE ABOVE FACTORS IN MIND, WE SOLICITED VOLUNTEERS PRESENTLY ASSIGNED WITHIN THE 94TH COMPLEX FOR POTENTIAL AIRBORNE EMPLOYMENT. ALL PERSONNEL WERE INSTRUCTED THAT THEY MUST HAVE SIX MONTHS REMAINING ON THEIR CURRENT TOUR OR EXTEND THEIR TOUR TO OBTAIN THE NECESSARY RETAINABILITY. WE FEEL IT MOST BENEFICIAL, IN MOST CASES, TO SELECT THOSE PERSONNEL WHO HAVE EXCEEDED THE SIX MONTH CUTOFF PERIOD AND GRANT THEM THE EXTENSION NECESSARY TO MEET THE RETAINABILITY CRITERIA. ALL PERSONNEL WHO WOULD BE REQUIRED TO EXTEND WERE INFORMED THAT THE EXTENSION WOULD BE CONTINGENT UPON THEIR PASSING THE FLIGHT PHYSICAL AND APPROVAL OF WAIVER FOR ATTENDANCE OF SV-80-A.

3. WE HAVE PLACED ALL VOLUNTEERS IN OUR DESIRED ORDER OF SELECTIONS AS A202'S: VOLUNTEERS ARE:

(A) SSGT VERNON, DE, R. HAND, DEROS 4 AUG 71, DET 3. THIS IS SGT HANDS SECOND SEA TOUR AND HE IS ONE OF THE MOST QUALIFIED ANALYSTS IN SEA (INCLUDING ASA ANALYSTS). HE HAS EXPERIENCE IN EVERY FACET OF OPERATIONS AND IS ALSO FAMILIAR WITH ALL AREAS OF OPERATIONS AS HE WAS ON THE HQ USAFSS TEAM THAT IMPLEMENTED

O. OF PAGES 06	MESSAGE IDENTIFICATION	INITIALS
	REGRADING INSTRUCTIONS	

1 NOV 63 173-1



ABBREVIATED INT MESSAGE  
and/or CONTINUATION SHEET

PRECEDENCE		RELEASED BY JACK BARNES, LTCOL, USAF OPERATIONS OFFICER	DRAFTED BY CARROLL W. MILLER, SMSGT MCOIC, DOR (ajs)	PHONE 4891
ACTION	IMMEDIATE			
INFO				

THE SEATS PROGRAM IN THE 94TH COMPLEX.

(B) SSGT PETER M. HAGERT, [REDACTED] DEROS 7 JAN 71 (WILL  
EXTEND TO HAVE REQUIRED RETAINABILITY) 6994SS. HIGHLY QUALIFIED  
AS AN IDENT ANALYST. ALSO EXCELLENT ON CRYPT IDENT'S. HAS WORKED  
ALL ANALYTICAL TASKS AT 94TH.

(C) TSGT DENNIS M. TAYLOR, [REDACTED] DEROS 27 JUN 71, 6994SS.  
SGT TAYLOR IS A Q202 AND IS EXTREMELY COMPETENT IN ALL PHASES  
OF ANALYSIS AND REPORTING. WOULD BE A MOST VALUABLE ASSET TO THE  
AIRBORNE PROGRAM.

(D) SGT GERALD L. CLEMENS, [REDACTED] DEROS 31 JUL 71, DET 2.  
HIGHLY QUALIFIED IN TRAFFIC IDENT, CALLSIGN ANALYSIS, CRYPT AND  
REPORTING.

(E) SGT VIRGIL O. GIBSON JR., [REDACTED] DEROS 20 MAR 71 (WILL  
EXTEND FOR 1 YEAR IF NECESSARY) 6994SS. HIGHLY QUALIFIED IN TRAFFIC  
/CRYPT IDENT AND REPORTING.

(F) TSGT JOHN W. RYAN, [REDACTED] DEROS 24 AUG 71, DET 3. SGT  
RYAN IS AN OUTSTANDING IDENT TECHNICIAN, WELL VERSED IN CRYPT  
IDENT AND REPORTING.

(G) SGT JEFFERY L. JAMISON, [REDACTED] DEROS 24 JUL 71, DET 2.  
SGT JAMISON IS HIGHLY QUALIFIED IN IDENT'S CRYPT AND REPORTING.

(H) SSGT DAVID E. LIEBERGOT, [REDACTED] DEROS 23 AUG 71, 6994SS.  
SGT LIEBERGOT IS A GRADUATE OF THE ASA TWO ROCK RANCH SCHOOL AND

OF ES	MESSAGE IDENTIFICATION	INITIALS
	REGADING INSTRUCTIONS	



ABBREVIATED INT MES  
and/or CONTINUATION

PRECEDENCE	RELEASED BY	DATE	PHONE
ACTION	JACK BARNES, LTCOL, USAF	CARROLL W. MILLER, SMSGT	4891
INFO	OPERATIONS OFFICER	NGOIC, DOR (ajs)	

IS OUTSTANDING, IN TRAFFIC IDENT AND SEATS PREPARATION. WOULD BE  
A VERY VALUABLE ASSET TO PROGRAM.

(I) MSGT ROBERT G. SCHURICHT, [REDACTED] DEROS 29 APR 71 (WILL  
EXTEND FOR RETAINABILITY), 6994SS. PRESENTLY NGOIC ANALYSIS AND  
REPORTING, GOOD BACKGROUND IN ALL PHASES OF MISSION.

(J) SGT GEORGE D. WAMPOLE, [REDACTED] DEROS 22 AUG 71, DET 3.  
HIGHLY COMPETENT IN TRAFFIC/CRYPT IDENT.

(K) SGT MICHAEL PLOTKA, [REDACTED] DEROS 11 JUL 71, DET 2.  
HIGHLY QUALIFIED IN TRAFFIC/CRYPT IDENT'S AND ALL PHASES OF BASIC  
ANALYSIS AND REPORTING.

(L) SGT PHILLIP B. DORN, [REDACTED] DEROS 26 JUN 71, DET 3.  
QUALIFIED IN IDENT'S, SEATS PREP AND REPORTING.

(M) SMSGT JOHN H. THOMPSON, [REDACTED] DEROS 7 MAY 71, 6994SS.  
SGT THOMPSON IS NGOIC OF ACC AND IS ON HIS SECOND SEA TOUR. HE  
IS MOST WELL VERSED IN ALL FACETS OF OPERATIONS AND ALTHOUGH HE  
HAS NOT HAD BASIC ANALYTICAL EXPERIENCE IN THE COMPLEX, HE WOULD  
BE A MOST VALUABLE ASSET TO THE PROGRAM.

(N) MSGT WILLIAM E. SMITH, [REDACTED] DEROS 6 JAN 71 (WILL  
EXTEND FOR SIX MONTHS IF COT TO 6950SCTY GP WILL REMAIN FIRM),  
6994SS ACC. SGT SMITH HAS PERFORMED BASIC ANALYSIS WITH THE  
94TH AND IS HIGHLY QUALIFIED IN ALL PHASES OF ANALYSIS AND RE-  
PORTING.

OF SES	MESSAGE IDENTIFICATION	INITIALS
	REGRAIDING INSTRUCTIONS	



ABBREVIATED INT MESSAGE  
and/or CONTINUATION SHEET

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION IMMEDIATE	JACK BARNES, LTCOL, USAF OPERATIONS OFFICER	CARROLL W. MILLER, SMSGT NCOIC, DOR (AJs)	4891
INFO			

(O) SGT JOHN A. BEITZEL, [REDACTED], DEROS 30 JUL 71, 6994SS.  
OUTSTANDING IDENT TECHNICIAN.

(P) SSGT GEORGE A JUMP, [REDACTED], DEROS 22 MARK 71 (WILL  
EXTEND FOR RETAINABILITY) 6994SS ACC. PRIOR DET 1 EXPERIENCE AS  
IDENT TECHNICIAN.

(Q) SGT ROBERT K. MEKER, [REDACTED], SEP  
DEROS 14 SEP 71, DET 2.  
WELL VERSED IN ALL ANALYTICAL TASKS. OUTSTANDING IDENT TECHNICIAN.

(R) MICHAEL B. CAFFIN, [REDACTED], DEROS 26 OCT 71, DET 2.  
POTENTIAL APPEARS OUTSTANDING AS IDENT TECHNICIAN.

(S) SSGT DAVID M. BIRCH, [REDACTED], DEROS 17 OCT 71, DET 1.  
OUTSTANDING POTENTIAL AS IDENT TECHNICIAN AND OVERALL ANALYST.

(T) FOLLOWING INDIVIDUALS ARE VOLUNTEERS FOR FLYING DUTIES BUT  
HAVE HAD LITTLE ANALYTICAL EXPERIENCE IN SEA:

SGT GEORGE C. HEIL JR., [REDACTED], DEROS 28 AUG 71, DET 3.

SGT RUBIN E. BAXTER, [REDACTED], DEROS 29 AUG 71, DET 3.

SSGT ALVIN L. K. AKKO, [REDACTED], DEROS 30 JUL 71, 6994SS  
ACC.

4. REALIZE ABOVE LIST, WHEN COMBINED WITH PRESENTLY ASSIGNED  
A202'S, EXCEEDS OUR TOTAL A202 AUTHORIZATIONS, HOWEVER, SOME OF  
THE ABOVE PERSONNEL WILL BE ELIMINATED BY FAILURE OF FLIGHT  
PHYSICALS AND UNCOMPATIBLE PERSONNEL ACTIONS.

OF GES 6	MESSAGE IDENTIFICATION	INITIALS
	REGRADE INSTRUCTIONS	



**BREVIATED NT MESSAGEFORM**  
and/or CONTINUATION SHEET

SECURITY CLASSIFICATION

<b>PRECEDENCE</b>		<b>RELEASED BY</b>		
<b>ACTION</b>	<b>IMMEDIATE</b>	<b>JACK BARNES, LTCOL, USAF</b>	<b>CARROLL W. MILLER, SMSGT</b>	
<b>INFO</b>		<b>OPERATIONS OFFICER</b>	<b>NCOLC, DOR (ajs)</b>	<b>4891</b>

5. REQUEST WE BE KEPT ADVISED OF ALL DEVELOPMENTS THIS SUBJET. 7

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	REGRADING INSTRUCTIONS	





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