OUTGOING
NRL SPECIAL PROJECTS CONTROL NUMBER

BYE-61727-92

SEC

DATE
720915

ORIGINATOR	SERIAL NO.	ENCLOSURES
8000	BYE-61727-92	00

RECEIVED	COPY NUMBERS	RECEIPT NO.
	1	H/C

SUBJECT
CS FOLDER AUGMENTATION
STAT RPT (PAPS)

DISTRIBUTION INFO

ROUTE TO	COPY NO.	W/ ENCL	SIGNATURE	DATE OUT	DATE RET'D
1298	1	00		920330	

TRANSFER TRD Archives 8-18-05

DESTROY

NRL OUTGOING DOCUMENT

BYE-61727-92

1

PAPS Status Rept

1920

TRANSMITTED

RR RUXQAAQ RUXQAAL RUXQTA RUXQAAA
DE RUXQAAJ 499 2591757
ZNY XXXXX VVV
R 151745Z
BT
XXXXX
GUARD 499
GUARD PASS COGNAC CONQUER CONCERT WHIG

~~S E C R E T~~ 151745Z SEP 72 CITE [redacted] 0527
ROUTINE COGNAC INFO CONQUER CONCERT WHIG
EARPOP
AUGMENTATION STATUS REPORT - POPPY AUTOMATIC PROCESSING SYSTEM (PAPS)
1. LAST MONTH A MAJOR MILESTONE WAS MET IN THE 86 SYSTEM DEVELOPMENT WITH THE DEPLOYMENT OF THE COMPUTER AND SOFTWARE TO [redacted] ON SCHEDULE AND IS CURRENTLY IN THE SYSTEM TEST AND OPERATOR TRAINING PHASE.
2. PRIOR TO SHIPMENT, FINAL REVIEW OF THE SYSTEM WAS HELD ON 8 AUG AND ATTENDED BY 3 REPS EACH FROM COGNAC AND [redacted] 4 REPS FROM CONCERT, AND 1 REP EACH FROM CONQUER AND WHIG.
A. THE ENTIRE SYSTEM WAS DESCRIBED FROM AN OVERVIEW OF BASIC POPPY FIELD PROCESSING SYSTEM THRU DETAILS OF PAPS SYSTEM. EXTENSIVE EXPLANATIONS OF SYSTEM BEING DEPLOYED INCLUDED:
AUTO SEQUENCE DRIVER (ASD)
DATA BASES (PROCESSING & SYSTEM)
TADET
BSORT
SIREF
EMLOC
BIPLT
BLOPT

PAGE 2 CITE [redacted] 0527 ~~S E C R E T~~
B. THE COMPUTER WAS RUN AGAINST ACTUAL [redacted] DATA TAPES DEMONSTRATING ALL MAJOR FEATURES:
(1) AUTOMATIC PROCESSING FROM SEDSCAF INPUT THRU LOCATIONS.
(2) AUTOMATIC DATA ASSESSMENT WITH FULL RANGE STATUS MESSAGES FROM LOCATIONS TO ABORTING.
(3) DATA BASES CONTAINING ALL PROCESSING AND SYSTEM PARAMETERS WERE ESTABLISHED AND PARAMETERS INTERCHANGED TO SHOW THE EASE OF MAINTENANCE.
(4) THE FLEXIBILITY OF THE MANUAL OVERRIDE AT ANY POINT IN THE PROCESSING SEQUENCE WITHOUT LOSS OF DATA WAS DEMONSTRATED. ALSO, VARIOUS LEVELS OF DATA PRINTOUTS AND DISPLAYS WERE SHOWN.
(5) PROCESSING OF EACH MODULE (TADET, BSORT, SIREF, EMLOC, BLOPT AND BIPLT) WAS DEMONSTRATED SEPARATELY SHOWING FEATURES OF EACH MODULE.
C. EMITTERS WERE PROCESSED AUTOMATICALLY COVERING ALMOST THE ENTIRE [redacted] FREQUENCY RANGE OF POPPY [redacted] RANGE). IN THE INITIAL PROCESSING SEVERAL MINUTES WERE USED FOR LOADING THE DATA FROM MAGNETIC TAPE TO THE COMPUTER. THEREAFTER, THE TIME BETWEEN LOCATIONS WAS FROM 13 TO 27 SECS.
D. FOLLOWING UP THE MAY REVIEW (WHERE HANDOUTS WERE PROVIDED DESCRIBING THE TECHNIQUES WHICH WERE TO BE USED TO ACHIEVE THE AUTOMATIC

TOMATIC PROCESSING FROM SEDSCAF INPUT THRU
ONS.

(2) AUTOMATIC DATA ASSESSMENT WITH FULL RANGE STATUS MESSAGES FROM LOCATIONS TO ABORTING.
(3) DATA BASES CONTAINING ALL PROCESSING AND SYSTEM PARAMETERS WERE ESTABLISHED AND PARAMETERS INTERCHANGED TO SHOW THE EASE OF MAINTENANCE.
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D. FOLLOWING UP THE MAY REVIEW (WHERE HANDOUTS WERE PROVIDEJ DESCRIBING THE TECHNIQUES WHICH WERE TO BE USED TO ACHIEVE THE AUTOMATIC PROCESSING CAPABILITY CALLED

FOR IN THE FEB STATEMENT OF WORK), COMPUTER RUNS AND PRINTOUTS WERE PROVIDED FOR THE ATTENDEES SHOWING THE ACHIEVEMENT OF THESE GOALS.

E. THE SUPPORTING EMITTER STATISTICS AREAS WERE DISCUSSED ILLUSTRATING THE STATUS OF THE COMPUTER TOOLS TO ASSIST THIS AREA. THE NUMBER OF SAMPLES OF THE VARIOUS EMITTER FAMILIES, EXCEPT [redacted] STILL REMAINS LOW, AND ACCURATE PROCESSING SEQUENCE PARAMETERS WILL HAVE TO BE DEVELOPED AT THE FIELD STATION.

F. THE NEW ORBIT MODEL OF NAVSPASUR AND THE ONE-LINE EPHEMERIS TRANSMISSION CODE WERE DISCUSSED. STATISTICAL AND GRAPHICAL COMPARISONS OF ALL THE ORBIT MODELS AND TRANSMISSION CODES WERE DESCRIBED IN DETAIL.

G. THE NEXT REVIEW WILL BE HELD IN THE LATTER PART OF OCTOBER AND WILL BE SIMILAR TO THE MAY REVIEW, NAMELY, REVIEW OF TECHNIQUES TO BE EMPLOYED FOR MEETING ON-LINE SYSTEM GOALS.

3. TRAINING OF TWO [redacted] OPERATORS WAS EXTENDED UNTIL THE SYSTEM WAS PREPARED FOR SHIPMENT. THE NEED FOR FORMAL TRAINING PROGRAMS ON THE SYSTEM HARDWARE AND SOFTWARE REMAINS SIGNIFICANT.

4. THREE VOLUMES OF OPERATOR DOCUMENTATION WERE COMPLETED AND DEPLOYED ON SCHEDULE DESCRIBING THE PROCESSING SYSTEM UTILIZED FOR THE SEPTEMBER TO JANUARY PERIOD. VOLUME 1 DETAILS THE THEORY OF SYSTEM OPERATIONS. THIS MANUAL PROVIDES THE CONCEPTS OF PAPS, THE MATHEMATICAL RELATIONSHIPS USED, AND THE BASIC ALGORITHM FLOWCHARTS. VOLUME II PROVIDES THE OPERATOR WITH STEP

BY STEP PROCEDURES FOR OPERATING THE PAPS SYSTEM. VOLUME III PROVIDES THE OPERATOR WITH PROCEDURES USED IN SYSTEM SUPPORT FUNCTIONS AND THE DESCRIPTION OF THE 51 PAPS SUBROUTINES. THE JANUARY MANUALS WILL SUPERSEDE THESE AND DESCRIBE THE ON-LINE SYSTEM ALSO.

5. MAJOR EFFORTS FOR THE PAST MONTH HAVE BEEN SYSTEM TEST AND EVALUATION, PACKING, SHIPPING AND INSTALLATION. THE NEXT MONTH'S EFFORTS WILL BE SPENT PRIMARILY IN SUPPORTING FIELD OPERATIONS, FURTHER TESTING AND EVALUATION. E-2 IMPDET.

~~S E C R E T~~
BT

SOCOMM MESSAGEFORM

SECURITY CLASSIFICATION
~~Secret~~ Earpop

TYPE MSG	BOOK	MULTI	SINGLE
		X	

PRECEDENCE
ACTION Routine
INFO Routine

DTG

FROM:

INFO: CONQUER, CONCERT, WHIG

TO: COGNAC

~~S E C R E T~~ E A R P O P CITE CEBAR ____

AUGMENTATION STATUS REPORT--POPPY AUTOMATIC PROCESSING SYSTEM (PAPS)

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DATA BASES (PROCESSING & SYSTEM)
TADET
BSORT
SIREF
EMLOC
BIPLOT
BLOPLOT

SPECIAL INSTRUCTIONS

HANDLE VIA BYEMAN CONTROL SYSTEM

DATE	TIME
15	1015
MONTH 09	YEAR 1972
PAGE NO. 1	NO. OF PAGES 4

Sept

DRAFTER
TYPED NAME AND TITLE: L. M. HAMMARSTROM, ~~Section Head~~
PHONE: 3060

RELEASER
SIGNATURE
TYPED (or stamped) NAME AND TITLE: H. O. LORENZEN, SUPT

SECURITY CLASSIFICATION: ~~SECRET~~ EARPOP
REGRADING INSTRUCTIONS

SOCOMM Form 173
1 Aug 71

SOCOMM MESSAGEFORM
CONTINUATION SHEET

SECURITY CLASSIFICATION
~~SECRET~~ EARPOP

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION Routine INFO Routine	HOL	LMH	3060

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

REGRADING INSTRUCTIONS	SECURITY CLASSIFICATION
	~~SECRET~~ EARPOP

SOCOMM FORM 173-1
1 Aug 71

SOCOMM MESSAGEFORM
CONTINUATION SHEET

SECURITY CLASSIFICATION
~~SECRET~~ EARPOP

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION Routine			
INFO Routine	HOL	LMH	3060

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

REGRADING INSTRUCTIONS	SECURITY CLASSIFICATION
	~~SECRET~~ EARPOP

SOCOMM FORM 173-1
1 Aug 71

SOCOMM MESSAGEFORM CONTINUATION SHEET

SECURITY CLASSIFICATION
~~SECRET~~ EARPOP

PRECEDENCE	RELEASED BY	DRAFTED BY	PHONE
ACTION Routine			
INFO Routine	HOL	LMH	3060

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CONTROL NO.	TOR/TOD	PAGE NO.	NO. OF PAGES	MESSAGE IDENTIFICATION	INITIALS
		4	4		

REGRADING INSTRUCTIONS	SECURITY CLASSIFICATION
	~~SECRET~~ EARPOP

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