CP-642B UTILITY PACKAGE FUNCTION REPERTOIRE FOR USE WITH NAVSHIPS 0967-011-2030

FUNCTION	Q _U **	Q _L *	A _U	AL	REMARKS	SEGMEN
	NTDS FO	RMAT MAG	NETIC TAPE	FUNCTION	NS	
Read Magnetic Tape	Position Factor	T03CN	None	None		Basic
Write Magnetic Tape	Position Factor	TO2CN	Last Address	Base Address		Basic
Magnetic Tape Checkread	Position Factor	TOICN	Last Address	Base Address	***	Basic
Rewind Magnetic Tape	None	T0400	None	None		Basic
Pass N Blocks	Position Factor	T0500	None	None		Basic
Write Utility Package on Magnetic Tape	None	T1300	None	None	T=Transport With New Tape	Basic
Duplicate Magnetic Tape	Position Factor	T14CN	Number of Blocks	None	T=Transport With New Tape	Basic
Magnetic Tape Checkread	Position Factor	U0710	Last Address	Base Address	***	3
Discrepancies on Paper Tape (TTY)	Position Factor	U0714	Last Address	Base Address		3
Magnetic Tape Checkread on Other Transport	Position Factor	U0730	Last Address	Base Address		3
Discrepancies on Paper Tape (TTY)	Position Factor	U0734	Last Address	Base Address		3
		PAPER TA	PE FUNCTIO	INS		
Load Paper Tape	None	U1000	None	None	Bioctal, Flex, TTY	2
Relative Bioctal	None	U1000	None	Base Address		2
Absolute Bioctal Paper Tape Dump	None	U0760	Last Address	Base Address		3
Zero Suppression	None	U0765	Last Address	Base Address		3
TTY Paper Tape Dump	None	U0640	Last Address	Base Address		1
Zero Suppression	None	U0645	Last Address	Base Address		1
Duplicate Paper Tape	None	U1050	Last Address	Base Address	4000-77000 if B.A. and L.A. Zero	2
Absolute Bioctal Paper Tape Checkread	None	U0720	None	None	***	3
Discrepancies on Paper Tape (TTY)	None	U0724	None	None		3
		TELETYF	E FUNCTION	NS		
Online TTY Dump	None	.00650	Last	Base		1

FUNCTION	Q _U **	QL*	AU	AL	REMARKS	UPAK SEGMENT
	UNIVAC FO	RMAT MAG	NETIC TAP	PE FUNCTIO	ONS	
Read Magnetic Tape	Position Factor	UlliT	None	None		4
Write Magnetic Tape	Position Factor	U112T	Last Address	Base Address		4
Magnetic Tape Checkread	Position Factor	U113T	Last Address	Base Address	***	4
Pass N Blocks	Position Factor	U114T	None	None		4
	COM	IPUTER ME	MORY FUN	CTIONS		
Basic Inspect and Change	Inspection Address	Set P=1760	Changes	Changes	QU = Address +1 A = Inspection Contents	Basic
Inspect and Change	Inspection Address	U0610	Changes	Changes	(Put changes in A) Set Q _L =00001 to Terminate Dump	1
Online Dump of Changes	Inspection Address	U0611	Changes	Changes	Options	1
Paper Tape Dump of Changes (TTY)	Inspection Address	U0612	Changes	Changes		1
Memory Search (POOCH)	None	U0620	Last Address	Base Address	Q = Mask A = Search Value	1
Paper Tape Dump of Finds (TTY)	None	U0624	Last Address	Base Address	RESULT: A = Contents of Find UL = Address of Find	1
Store Data	None	U0630	Last	Base Address	Enter Word to be Stored in Q	1

*Set P = 00001 for all functions except Basic Inspect and Change. T = The number of the tape transport on which the magnetic tape to be acted upon is mounted.

T = The number of the tape transport on which the magnetic tape to be acted upon is mounted.
U = The number of the tape transport on which the UPAK is mounted.

CN = Call number of the block on magnetic tape at which the operation begins; if CN=00 Position Factor is used.

**Position Factor = 000NN - Move tape NN records forward. 400NN - Move tape NN records backward.

****For checkread functions; A = Tape word; Q = Memory word; U = Address discrepancy (Put changes in Q)

UTILITY PACKAGE ERROR CODES

CODE	ERROR
00700	No starting address for relative tape load
07700	Illegal Q entry or B.A. > L.A.
77700	Improper beginning code on tape for load function selected
77000	Checksum error
70700	Magnetic Tape Unit error

UTILITY PACKAGE BOOTSTRAP LOAD MODES

KEY SETTING	DESIRED LOAD MODE				
No Keys Set	Load UPAK & Block 6 Program				
Key 3 only	Load UPAK; await SMP Entry				
Key 1 only	Load UPAK; then 4-Stop				

SMP LOAD MAGNETIC TAPE ENTRY

	The same of the sa						
COMPUTER		-	1150			200	
	0	T	0	3	C	N	