

CSP 6620A

REGISTER NO.

SECRET-CRYPTO

CRYPTOGRAPHIC EQUIPMENT  
PLANNING AND REFERENCE  
GUIDE (U)

CSP 6620A

DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
SEPTEMBER 1962

EXCLUDED FROM AUTOMATIC  
DECLASSIFICATION FOR DIR 5200.10  
PPLY

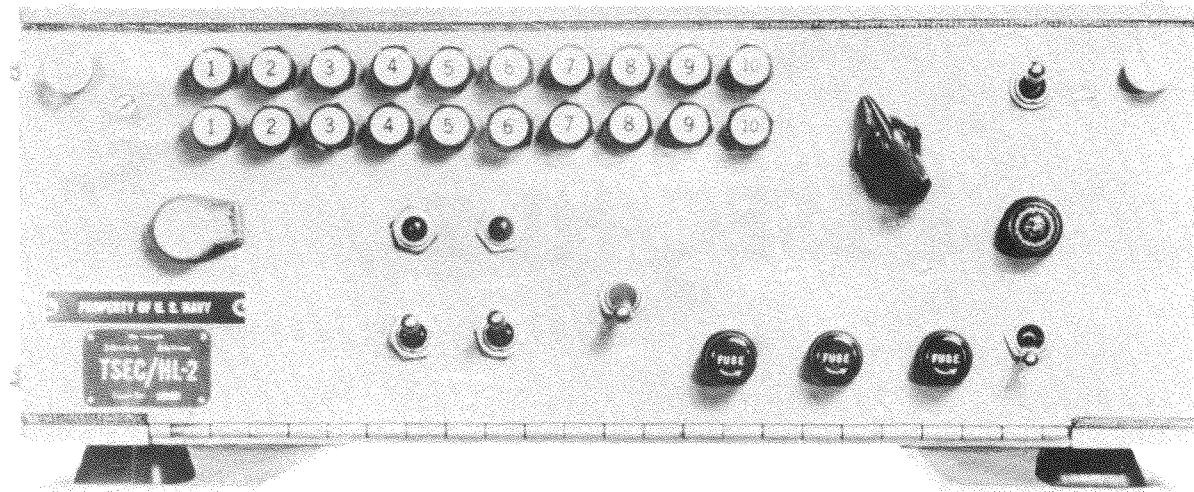
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DECLASSIFIED per SEC 3.4 E.O. 12958  
by Director, NSA/Chief, CSS  
*[Signature]* date 27 Oct 98

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ORIGINAL  
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**TSEC/HL-2**



PRODUCTION MODEL

<p><b>DESCRIPTION</b></p>	<p>AN ELECTRO-MECHANICAL CODE CONVERTER DESIGNED TO PROVIDE SEMI-AUTOMATIC ENCRYPTION/DECRYPTION OF TELETYPEWRITER TRAFFIC WHEN USED IN CONJUNCTION WITH THE HL-1B IN THE AN/SGA-3 CONFIGURATION. IT TRANSFORMS THE OUTPUT OF THE ASSOCIATED CIPHER MACHINE (KL-47) INTO THE STANDARD 5 LEVEL TELETYPE-WRITER CODE WHICH IS THEN FED INTO THE ASSOCIATED TELETYPEWRITER EQUIPMENT TO PRODUCE ENCIPHERED OR DECIPHERED COPY AS DESIRED. THE ASSOCIATED TELETYPEWRITER EQUIPMENT PRODUCES PAGE COPY OR PERFORATED TAPE OR BOTH. IN THE ENCIPHER MODE A SPACE IS AUTOMATICALLY INSERTED BETWEEN EACH FIVE LETTER CODE GROUP. TWO CARRIAGE RETURNS AND A LINE FEED ARE AUTOMATICALLY INSERTED AFTER THE TENTH CODE GROUP OF EACH LINE. IN THE DECIPHER MODE IT SEARCHES FOR A SPACE AFTER THE 60TH CHARACTER OF EACH LINE WHERE IT INSERTS TWO CARRIAGE RETURNS AND A LINE FEED. IF NO SPACE APPEARS BEFORE THE 69TH CHARACTER, THESE CHARACTERS ARE AUTOMATICALLY INSERTED ANYWAY. OPERATING SPEED IS 50 BAUD (75 WPM).</p> <p>THE AN/SGA-3 IS DESIGNED EXPRESSLY FOR SHIPBOARD USE.</p>														
<p><b>STATUS</b></p>	<p>APPROVED FOR SERVICE USE. (OPNAVINST 02651.1 OF 5 FEB 1957 REFERS)</p>						<p>SPARE PARTS SUPPORT - ESO</p>								
<p><b>TRAINING</b></p>	<p>A 1 WEEK COURSE IS CONDUCTED AT PORTSMOUTH AND MARE ISLAND. CLASSES CONVENE EVERY 6 WEEKS WITH QUOTAS CONTROLLED BY BUPERS. PREREQUISITE IS COMPLETION OF AN/SGA-3 - KL-47 COURSE. A SECRET CLEARANCE IS REQUIRED WHILE IN TRAINING.</p>														
<p><b>CRYPTOSYSTEM</b></p>	<p>CURRENTLY USED ONLY WITH THE KL-47 (ADONIS/POLLUX)</p>														
<p><b>CLASSIFICATION</b></p>	<p>EQUIPMENT: UNCLASSIFIED KEYING MATERIAL: NOT APPLICABLE TRAFFIC: SEE KL-47 SECTION</p>														
<p><b>PUBLICATIONS</b></p>	<p>MAINTENANCE: KAM-44 (UNCLASSIFIED) OPERATING: KAO-54 (CONFIDENTIAL-CRYPTO)</p>														
<p><b>PROCUREMENT</b> (COST IN THOUSANDS)</p>	<p>UNIT COST</p>	<p>PAST</p>		<p>FY 1963</p>		<p>FY 1964</p>		<p>FY 1965</p>		<p>FY 1966</p>		<p>FUTURE</p>		<p>TOTAL</p>	
<p>\$3,000 AVERAGE</p>	<p>QTY</p>	<p>AMOUNT</p>	<p>QTY</p>	<p>AMOUNT</p>	<p>QTY</p>	<p>AMOUNT</p>	<p>QTY</p>	<p>AMOUNT</p>	<p>QTY</p>	<p>AMOUNT</p>	<p>QTY</p>	<p>AMOUNT</p>	<p>QTY</p>	<p>AMOUNT</p>	
<p><b>PHYSICAL CHARACTERISTICS</b></p>	<p>HEIGHT</p>	<p>WIDTH</p>		<p>DEPTH</p>		<p>WEIGHT</p>		<p>VOLTAGE</p>		<p>POWER</p>		<p>REMARKS</p>			
<p>6 1/4 IN.</p>	<p>15 IN.</p>		<p>20 7/8 IN.</p>		<p>62 LBS.</p>		<p>115 (60 CPS)</p>		<p>200 WATTS</p>		<p>PROVISION IS MADE FOR SHELF MOUNTING IN THE AN/SGA-3 CONFIGURATION.</p>				
<p><b>DISTRIBUTION</b></p>	<p>SEE AN/SGA-3 SECTION</p>														
<p></p>	<p></p>														