

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

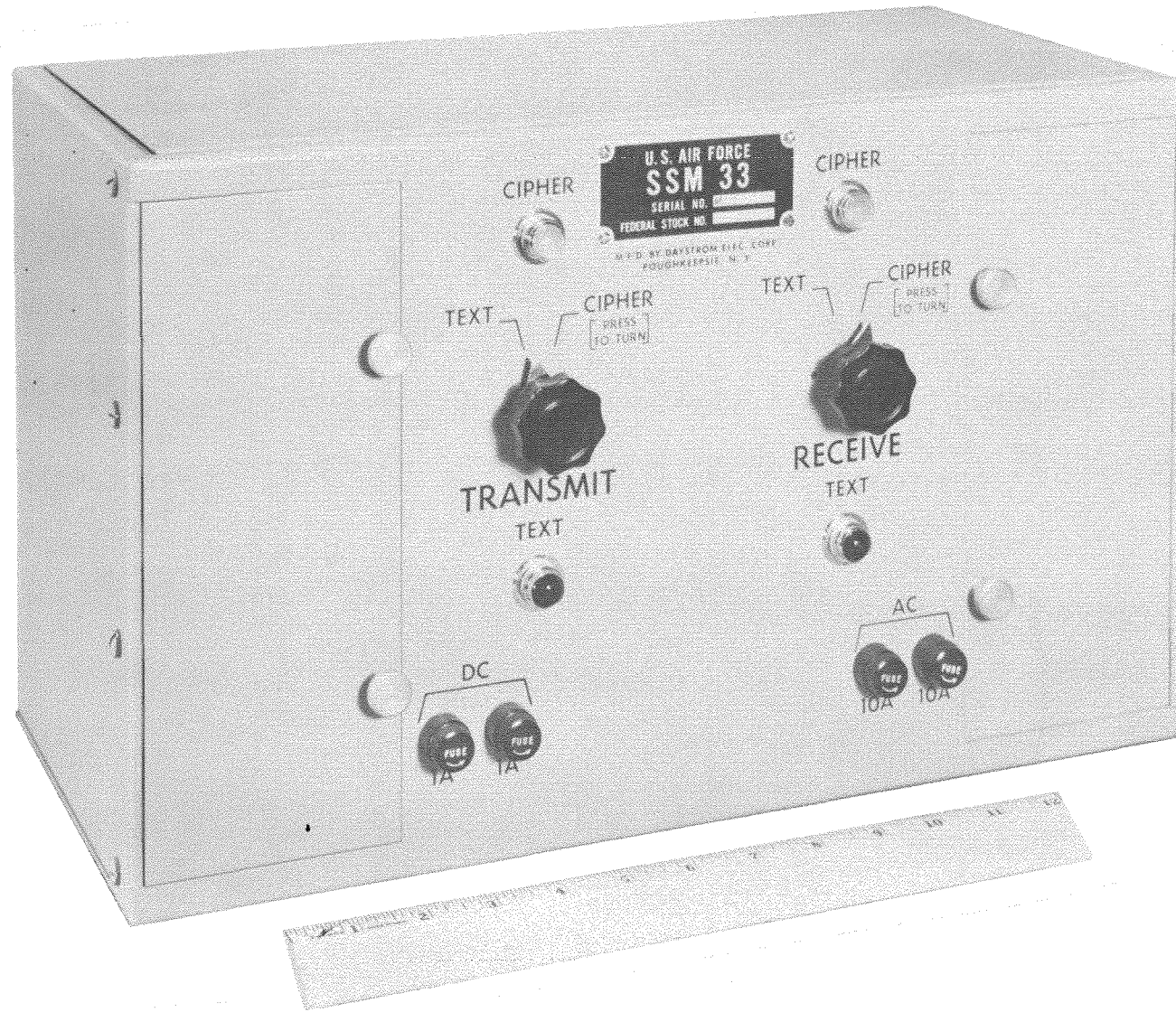
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DECLASSIFIED per SEC 3.4 E.O. 12958  
by Director, NSA/Chief, CSS  
*[Signature]* date 27 Oct 98

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ORIGINAL  
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**SSM-33**



DESCRIPTION	<p>A FULL DUPLEX ELECTRO-MECHANICAL NON-SYNCHRONOUS SIGNAL MIXER WHICH CONSISTS OF ONE "TRANSMIT" AND ONE "RECEIVE" POSITION OPERATING INDEPENDENTLY OF EACH OTHER IN EITHER TEXT OR CIPHER POSITION. MIXING IS ACCOMPLISHED BY THE INTRODUCTION OF A KEY BY A CSP-2699 (READ FROM A ONE-TIME KEY TAPE) WHICH IS MIXED WITH THE PLAIN LANGUAGE AT THE TRANSMITTING TERMINAL. SUBTRACTION OF THE KEY BY THE MIXER UNIT REPRODUCES THE PLAIN LANGUAGE AT THE RECEIVING TERMINAL.</p> <p>THE SSM-33 HAS HIGHLY UNDESIRABLE RADIATION CHARACTERISTICS. AS RAPIDLY AS FEASIBLE, IT (AND THE ASSOCIATED CSP-2699) WILL BE REPLACED BY THE HW-10 AND HW-19A EQUIPMENTS.</p> <p>NOTE: THE SSM-3 IS A HALF-DUPLEX VERSION OF THE SSM-33.</p>														
	STATUS	IN USE. USED PRIMARILY IN AN/SGA-4 CONFIGURATIONS.							SPARE PARTS SUPPORT - ESO						
TRAINING	NO SPECIALIZED TRAINING REQUIRED.														
CRYPTOSYSTEM	CURRENTLY USED ONLY WITH THE PYTHON CRYPTOSYSTEM.														
CLASSIFICATION	<p>EQUIPMENT: UNCLASSIFIED</p> <p>KEYING MATERIAL: SECRET-CRYPTO</p> <p>TRAFFIC: LIMITED TO SECRET AND BELOW BECAUSE OF THE UNDESIRABLE RADIATION CHARACTERISTICS OF THE CSP-2699 AND THE SSM-33</p>														
PUBLICATIONS	<p>MAINTENANCE: AIR FORCE MANUAL T.O. 31-W-4-4-18-13</p> <p>OPERATING: CSP-6605, KAO-8 (BOTH CONFIDENTIAL-CRYPTO)</p>														
PROCUREMENT (COST IN THOUSANDS)	UNIT COST	PAST		FY 1963		FY 1964		FY 1965		FY 1966		FUTURE		TOTAL	
	\$240 TO \$320	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
		230	64											230	64
PHYSICAL CHARACTERISTICS	HEIGHT	WIDTH		DEPTH		WEIGHT		VOLTAGE		POWER		REMARKS			
	10 1/2 IN.	17 IN.		9 1/2 IN.		25 LBS.		115		170 WATTS					
ASSOCIATED EQUIPMENT	<p>C-2192/UG - A CONTROL DEVICE TO AID IN THE PREVENTION OF INADVERTENT TRANSMISSION OF PLAIN TEXT.</p> <p>PP-1646/UG - SPECIAL POWER SUPPLY FOR THE SSM-33 OR SSM-3.</p>														

FULL DUPLEX ON/OFF-LINE  
TELETYPEWRITER TERMINAL

—— ON-LINE  
- - - OFF-LINE

