

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

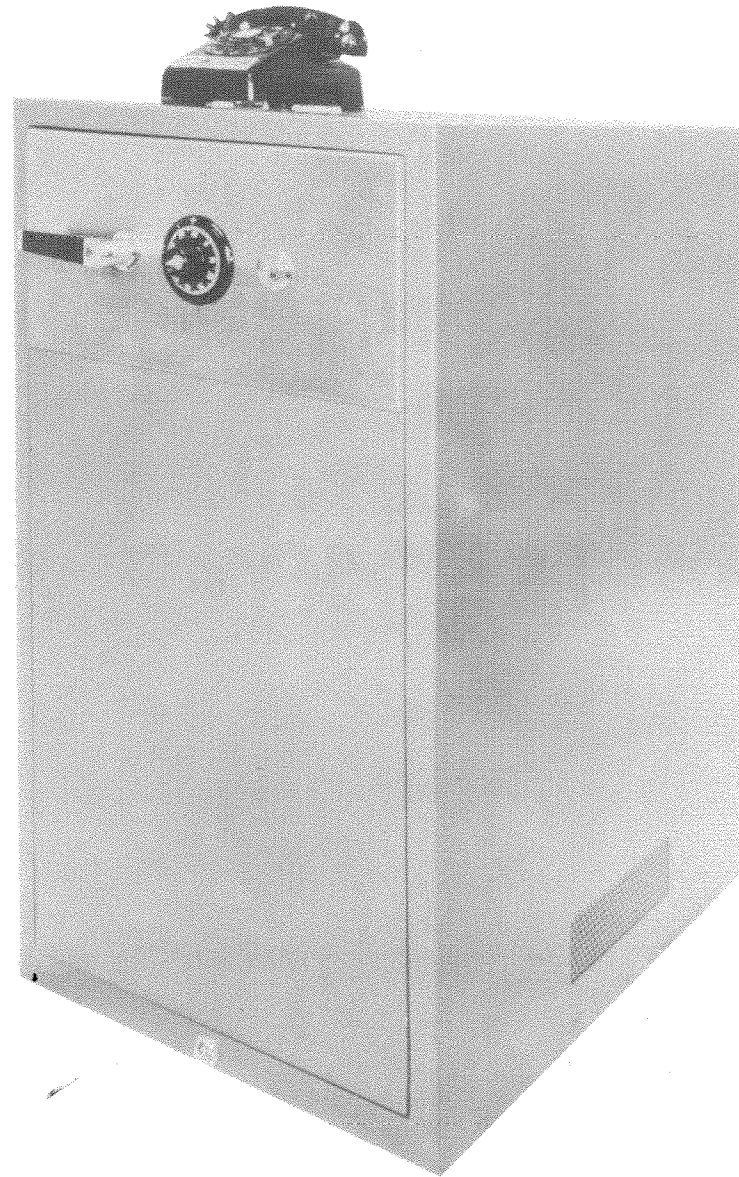
DO NOT REMOVE FROM BINDER

DECLASSIFIED per SEC 3.4 E.O. 12958
by Director, NSA/Chief, CS9
CSW date *27 Oct 88*

IT

ORIGINAL
(Reverse Blank)

TSEC/KY-9



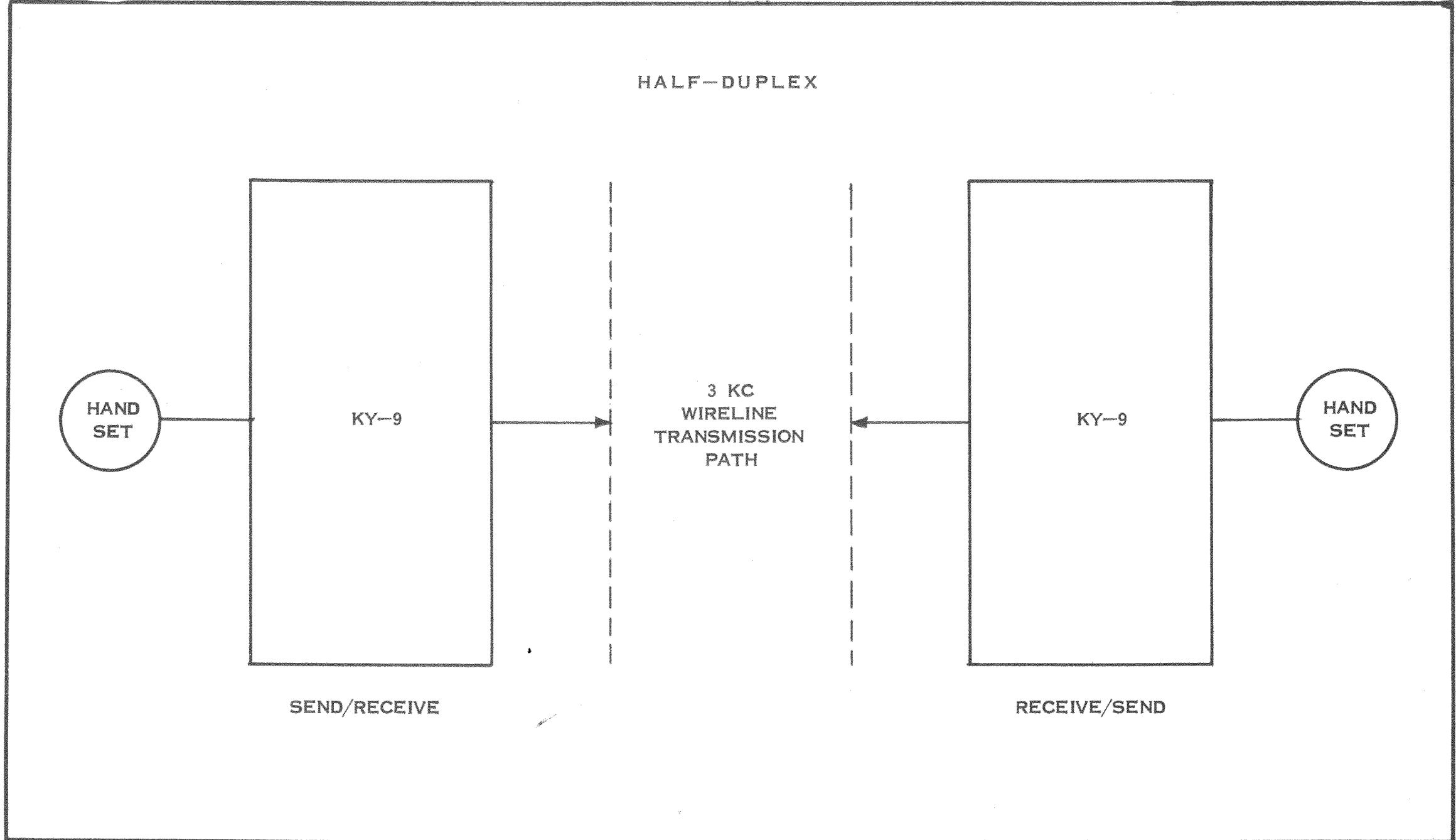
DEVELOPMENTAL MODEL

<p>DESCRIPTION</p>	<p>A COMPLEX ELECTRONIC, TRANSISTORIZED, HALF-DUPLEX, NARROW-BAND SPEECH SECURITY EQUIPMENT. IT FEATURES PUSH-TO-TALK OPERATION, OPERATES UNATTENDED, AND EMPLOYS AN ELECTRONIC KEY GENERATOR IN WHICH THE KEYING VARIABLES ARE DETERMINED BY MEANS OF A PUNCHED CARD. AN AUTOMATIC INDICATOR FACILITY IS PROVIDED AND THE USERS AT THE LOCAL AND REMOTE LOCATIONS HAVE THE OPTION OF SECURING THE INFORMATION OR TALKING IN THE CLEAR AS IN ORDINARY TELEPHONE USAGE. SECURITY IS PROVIDED BY CONVERTING THE SPEECH INTO A DIGITAL SIGNAL AND MIXING IT WITH A DIGITAL KEY STREAM. IT OPERATES ON A SELF-CONTAINED VESTIGIAL SIDE BAND TRANSMISSION SYSTEM AT A SPEED OF 1650 BAUD. THE KY-9 SIGNAL CAN BE TRANSMITTED OVER LOCAL AND LONG DISTANCE COMMERCIAL 3 KC WIRE, VHF/UHF RADIO OR MICROWAVE CIRCUITS.</p>														
<p>STATUS</p>	<p>IN USE. NONE PROCURED BY THE NAVY.</p>														
<p>TRAINING</p>	<p>CONDUCTED BY THE AIR FORCE AT LACKLAND AFB. RETURNABLE QUOTAS ARE OBTAINABLE FROM BUPERS.</p>														
<p>CRYPTOSYSTEM</p>	<p>THESEUS</p>														
<p>CLASSIFICATION</p>	<p>EQUIPMENT: CONFIDENTIAL-CRYPTO (EXTERNAL VIEWING - NO CLEARANCE REQUIRED) KEYING MATERIAL: SECRET-CRYPTO OR TOP SECRET-CRYPTO TRAFFIC: ALL CLASSIFICATIONS (FOR TOP SECRET AND SPECIAL CATEGORY TRAFFIC CSPM 1C, 1-50 REFERS)</p>														
<p>PUBLICATIONS</p>	<p>MAINTENANCE: KAM-70, KAM-71, KAM-72, KAM-73 (ALL CONFIDENTIAL-CRYPTO) OPERATING: KAO-63 (CONFIDENTIAL-CRYPTO, KAO-65, KAO-66 (BOTH UNCLASSIFIED))</p>														
<p>PROCUREMENT (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>\$105,000</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>PHYSICAL CHARACTERISTICS</p>	<p>HEIGHT</p>	<p>WIDTH</p>		<p>DEPTH</p>		<p>WEIGHT</p>		<p>VOLTAGE</p>		<p>POWER</p>		<p>REMARKS</p>			
	<p>42 7/8 IN.</p>	<p>23 1/4 IN.</p>		<p>30 3/4 IN.</p>		<p>565 LBS.</p>		<p>115 (60 CPS)</p>		<p>160 WATTS</p>					
	<p>NOTE: THE KY-9 IS USED ON HIGH COMMAND JOINT CIRCUITS. ALL KY-9s IN USE WITHIN THE NAVY ARE OWNED AND MAINTAINED BY THE AIR FORCE.</p>														

TSEC/KY-9: SYSTEM BLOCK DIAGRAM

UNCLASSIFIED

CSP 6620A



UNCLASSIFIED

ORIGINAL