



**AN/GGA-1**

DESCRIPTION	THE AN/GGA-1 SEMI-AUTOMATIC OFF-LINE TELETYPEWRITER GROUP IS A CONFIGURATION OF TELETYPEWRITER EQUIPMENT USED WITH CERTAIN CIPHER MACHINES (SEE BELOW) TO FACILITATE THE RAPID ENCIPHERING OR DECI-PHERING OF TELETYPE TRAFFIC. IT IS DESIGNED PRIMARILY FOR USE ASHORE. OPERATING SPEED IS 50 WPM. THE AN/GGA-1 CONSISTS OF ONE EACH OF THE FOLLOWING ITEMS OF EQUIPMENT: TT-36/GGA-1, TAPE READER PP-315/GGA-1, POWER SUPPLY FN-30/GGA-1, TELETYPEWRITER TABLE SA-484/GGA-1, SWITCHING UNIT TT-37/GGA-1, MODEL 14 REPERFORATOR OR TT-38/GGA-1, MODEL 14 REPERFORATOR TT-39/GGA-1, MODEL 15 PAGEPRINTER ASSOCIATED CRYPTO DEVICES: KL-34 (CSP-3000) KL-47 BACCHUS, NEPTUNE AND HERCULES CRYPTO SYSTEMS HAVE BEEN DISCONTINUED, HOWEVER, THE KL-34 (CSP-3000) CRYPTO DEVICE IS REQUIRED FOR ITS ENG-308 TRANSLATOR UNIT WHICH IS NECESSARY FOR THE OPERATION OF THIS CONFIGURATION.						
	STATUS	IN USE	SPARE PARTS SUPPORT - ESO (EXCEPT TT-36 AND SA-484 WHICH ARE SUPPORTED BY CRF)				
TRAINING	A 5 WEEK COURSE IS CONDUCTED AT NORFOLK AND MARE ISLAND. BUPERS CONTROLS QUOTAS FOR NORFOLK AND EPDOPAC CONTROLS QUOTAS FOR MARE ISLAND. A SECRET CLEARANCE IS REQUIRED.						
CRYPTOSYSTEM	ADONIS/POLLUX						
CLASSIFICATION	EQUIPMENT: UNCLASSIFIED (CONFIDENTIAL-CRYPTO WITH ASSOCIATED CRYPTO DEVICES) KEYING MATERIAL: SECRET-CRYPTO OR TOP SECRET-CRYPTO TRAFFIC: ALL CLASSIFICATIONS						
PUBLICATIONS	OPERATING: NONE MAINTENANCE: SHIPS 403 (APRIL 1953)						
PROCUREMENT	COMPLETED PRIOR TO 1955						
PHYSICAL CHARACTERISTICS	EQUIPMENT	HEIGHT	WIDTH	DEPTH	WEIGHT	POWER 95-125 VOLTS OR 190-250 VOLTS (60 CPS)	REMARKS
	TT-36	13 1/4 IN.	16 1/4 IN.	20 3/4 IN.	78 LBS.		
	PP-315	15 IN.	25 1/2 IN.	9 3/4 IN.	115 LBS.		
	FN-30	26 1/2 IN.	60 3/4 IN.	25 IN.	175 LBS.		
	TT-37 OR TT-38	11 1/2 IN.	17 1/2 IN.	16 1/2 IN.	77 LBS.		
	TT-39	39 1/8 IN.	21 1/2 IN.	18 IN.	167 LBS.		
	SA-484	42 IN.	21 1/2 IN.	18 IN.	193 LBS.		
DISTRIBUTION	(AFLOAT)	- 9	SHIPYARDS	- 11			
	COMMANDS	- 55	WEATHER	- 4			
	COMMSTAs	- 64	OTHERS	- 61			
	NAVSTAs	- 13	TOTAL	- 250			
	SPECIAL	- 30					
NAVAIR	- 9						
MARINES	- 5						



