

NAVSHIPS 93434 (A)

Non-Registered

★
D.M. SUNDHEIMER

INDEX OF
TELETYPE AND FACSIMILE
AND ASSOCIATED EQUIPMENT

RCA SERVICE CO.
SYSTEMS ENGINEERING FACILITY
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DEPARTMENT OF THE NAVY
BUREAU OF SHIPS

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DEPARTMENT OF THE NAVY

BUREAU OF SHIPS

WASHINGTON 25, D. C.

From: Chief, Bureau of Ships

To: All Activities Concerned with the Installation, Operation and Maintenance of Teletype, Facsimile and Associated Equipment

1. This publication is in effect upon receipt. When superseded by a later edition, it shall be destroyed.
2. This publication supersedes NAVSHIPS 93434 which may be destroyed.
3. This publication contains an index of teletype facsimile and associated equipment. The index contains information on the electrical and mechanical characteristics of the equipments and the military and commercial designations.
4. Extracts from this publication may be made to facilitate the preparation of other Department of Defense publications.
5. Errors found in this publication (other than obvious typographical errors) should be reported to the Bureau of Ships (Code 695D3).
6. All requests for Navships 93434(A) (listed in the current issue of NAVSADA 2002, Index of Forms and Publications, Cognizance Symbol I, or in a subsequent issue of the Electronics Information Bulletin) should be directed to the Naval Supply Depot, Philadelphia, Pa.

RECORD OF CORRECTIONS

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SECTION 1

ABBREVIATIONS AND COMMERCIAL DESIGNATION CODE

ABBREVIATIONS

Alternating Current	ac
Circuits	CKTS
Communication	comm
Consists of	c/o
Cycles Per Second	cps
Direct Current	dc
Distributor	distr
Equipment	EQUIP
Equipment with Spares	EWS
Except	XCPT
Experimental	EXPER
Facsimile	FAX
Feet per minute	fpm
Frequency	FREQ
High Base	HB
Keyboard	KBD
Low Base	LB
Low Table	LT
Operations Per Minute	OPM
Part of	p/o
Perforator	PERF
Printer	PTR
Projector	PROJ
Radio Frequency	RF
Receive Only	R/O
Receiver	RCVR
Rectifier	RECT
Repeater	REP
Reperforator	REPERF
Same As	s/a
Send Only	S/O
Send-Receive	S/R
Series Governed Motor	SER
Signal Corps	SIGC
Switchboard	SWBD
Synchronous Motor	SYN
Table	TBL
Telegraph	TLG
Teleprinter	TPR
Teletypewriter	TTY
Terminal	TERM
Transmitter	XMTR
Transmission	XMSN
Transmitter Distributor	TD
Typing	TYPG
Used With	u/w
Voice-Frequency	V-F
Weather Characters	WX
Words per minute	WPM

COMMERCIAL DESIGNATION CODE

CACA	Times Facsimile Corp.	540 W. 58th St.	New York, N.Y.	80130
CACH	Smith-Corona-Merchant		Highland Park, Ill.	
CAHC	Borker & Williamson Corp.	237 Fairfield Ave.	Upper Darby, Pa.	
CAIU	Power Equip Co.	55 Antoinette St.	Detroit, Mich.	48425
CAOR	Radio Frequency Labs.		Boonton, N.J.	49673
CAOW	Transmitter Equip. Mfg. Co., Inc.	345 Hudson St.	New York, N.Y.	60547
CAOX	Automatic Electric Mfg Co.	10 State St.	Monkato, Minn.	70703
CATD	Fansteel Metallurgical Corp		Chicago, Ill.	21520
CATT	Continental Electronics Ltd	302 Oakland	Brooklyn, N.Y.	86800
CAXY	Control Corp.	600 Stinson Blvd.	Minneapolis, Minn.	71682
CBBX	Western Union Telegraph Co.	60 Hudson St.	New York, N.Y.	65025
CBED	Melpar Inc.	3000 Arlington Blvd	Falls Church, Va.	76394
CBEQ	Northeastern Engineering Inc.			
CBHP	De Lisser Machine & Tool Co.		Brooklyn, N.Y.	97127
CBHT	Munston Mfg & Service Inc.	43 Versey St.	N.Y.C., N.Y.	74096
CBKH	Sierra Engineering Co	123 E. Montecito Ave.	Sierra Madre, Calif.	92114
CBMY	Meridian Inc	880 Main St.	Stamford, Conn.	80128
CBOT	Smuckler A.F. Co. Inc.	202 Tiillary St.	Brooklyn, N.Y.	55709
CBPP	General Precision Lab., Inc.	36 Bedford Rd.	Plesantville, N.Y.	
CBRL	Budd Electronics Inc.		Long Island City, N.Y.	
CBTA	C. G. S. Labs Inc	391 Ludlow St	Stamford, Conn.	88769
CBTB	Northern Radio Co, Inc.	143-45W. 22nd St.	New York, N.Y.	
CBTL	Federal Telecommunications Lab Inc	500 Wash. Ave.	Nutley, N. J.	90348
CBTP	Precision Associates Inc.	1191 Atlantic Ave.	Brooklyn, N.Y.	90649
CBTX	Electronic Engineering & Service Co.	1624 Eye St., N.W.	Washington, D.C.	98150
CBVD	Fidelity Amplifier Co	703 Eillow St.	Chicago, Ill.	93109
CBVV	Stelma, Inc.	190 Henry St.	Stamford, Conn.	96238
CBWS	Hogan Labs., Inc.	155 Perry St.	New York, N.Y.	88986
CBXJ	Virginia Electronics Co	River Rd & Balto Blvd.	Wash. 16, D. C.	98473
CCBF	Whiteford Lab.	587 Washington St.	Lynn, Mass.	92239
CCLX	Technical Material Corp.		Mamaroneck, N.Y.	
CCN	Connecticut Telephone & Electric Corp	100 Britannia St	Meriden, Conn.	72217
CCPK	Advance Electronics Labs. Inc.	249-259 Terhune Ave.	Passaic, N.J.	
	Name chg'd to AD-YU Electronics Lab.			
CCQF	Hoffman Semi-Conductor Prod., Division of Hoffman Electronics	930 Pitner St.	Evanston, Ill.	
CCRC	Lynch Carrier Systems Inc	695 Bryant St.	San Frnsco, Calif.	99141
CCTB	Kleinschmidt Lab. Inc. (Subsidiary of Smith-Corona Inc.)			
CCTC	Radio Engineering Products Ltd. Montreal, Canada			
CCTD	Maspeth Telephone & Radio Corp.			
CCTE	Hallamore Mfg. Co.			
CCTF	United Proj. & Film Corp.			
CCTG	Craig Systems, Inc.			
CCVP	Eldico Electronics		Long Island City, N.Y.	
CCVQ	Robertshaw-Fulton Controls Co. Aeronautical and Instrument Div.	401 N. Manchester	Anaheim, Calif.	
CCVR	Tele-Signal Corp.	63 Sea Cliff Ave	Glen Cove, N.Y.	
CCVS	Mite Corp.	26 Park Place	Paramus, N.J.	
CCXK	Soroban Engineering Inc.	Box 1717	Melbourne, Fla.	
CCXL	Friden Inc.		San Leandro, Calif.	
CCXM	Burroughs Corp., Research Center		Poali, Pa.	
CCXN	Decitron Electronics Corp.	850 Shepard Ave.	Brooklyn 8, N.Y.	
CCXO	Voron, George & Co.		Philadelphia, Pa.	
CDK	Eastman Kodak Co.			
CEE	Edison Electrical Controls			

TTY AND FAX INDEX

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COMMERCIAL CODE

CFT	Federal Telephone & Radio Corp.			
CG	General Electric Co.	1 River Rd.	Schenectady 5, N.Y.	24446
CGA	Goodyear Aircraft Co.			25500
	Subsidiary of Goodyear Tire & Rubber Co			
CHO	Boehme Inc, H. O.	915 Broadway	New York, N. Y.	07835
CHL	Hallicrofter Co., The	4401 W. 5th Ave.	Chicago, Ill.	
CJB	Bunnell, J. H.	215 Fulton St.	New York, N.Y.	09776
CKB	Hoffman Radio Corp.	3761 S. Hill St.	Los Angeles, Calif.	28959
CKE	Espey Mfg Co.	33 West 46 St.	New York, N. Y.	20950
CKG	Kellogg Switchboard & Supply Co.	6650 So. Cicero Ave. ...	Chicago, Ill.	33031
CMI	Molded Insulation Co Inc.	335 E Price St.	Philadelphia, Pa.	41226
CMK	Warren Mfg Co Inc.		Littleton, Mass.	39314
	Formerly known as McElroy, T.R. & also McElroy Mfg Corp			
CNA	National Co., Inc.	61 Sherman St.	Malden, Mass.	
CNR	Northern Radio Co.	314 Bell St.	Seattle, Wash.	74130
COL	Collins Radio Co.		Cedar Rapids, Iowa	13499
CQD	Aermotive Equipment Corp.	1634 Central.	Kansas City, Mo.	80073
	Formerly Air Communication Inc.			
CRL	Render Co LTD	2101 Bryant St	San Francisco, Calif	77748
CRV	RCA Victor.		Camden, N. J.	79089
	Div of RCA Formerly RCA Mfg Co			
CS	Sperry Gyroscope Co., Div. of Sperry		Great Neck, N.Y.	
	Rand corp.			
CTD	Deutschmann-Tobe Corp.	921 Providence Hwy. ...	Norwood Mass.	72618
CTT	Teletype Corp.	1400 Wrightwood Ave ..	Chicago, Ill.	59433
CVJ	Waters Conley Co.	501 1st Ave., N.W.	Rochester, Minn.	79219
CW	Western Electric Co.	120 Broadway.	New York 5, N.Y.	64959
	Bell Telephone Uses Same Prefix			
CWS	Stewart-Warner Electric, Division	1300 N. Kostner Ave.	Chicago, Ill.	
	of Stewart Warner Corp.			
CYV	Press Wireless Mfg Inc.		Rockville, Conn.	80026

SECTION 2

DEFINITIONS OF TELETYPE AND FACSIMILE EQUIPMENTS

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DEFINITIONS OF TELETYPE AND FACSIMILE EQUIPMENTS,

EXTRACTED FROM: FEDERAL ITEM IDENTIFICATION GUIDE H6-1

Coder Transmitter:

A component which provides the dual function of generating impulses in accordance with a predetermined combination, modified and/or converts these impulses to facilitate or permit transmission.

Coder-Decoder Group*:

Provides coding and decoding facilities.

(*Ref. Dwg. Group 253, see Group)

Central Office, Teletypewriter:

A teletypewriter exchange having switching facilities for connecting any teletypewriter station to any other teletypewriter station within its area. It may include switchboard, frame, power supply, cable assemblies, cards, tool kits required for its operation.

Control, Transmitter-Teletypewriter:

A device which determines the mode of operation of a transmitter and teletypewriter.

Converter, Frequency Shift:

A component which receives frequency shift signals from the intermediate frequency amplifier or audio output of a receiver, converts the signal into an amplitude modulated tone or direct current signal, and supplies it to terminal equipment, telephone lines or frequency link.

Converter Group*, Facsimile:

Processes signals for demodulation and presentation by a complementary facsimile receptor. (*Ref. Dwg. Group 253, see Group)

Decoder, Audio Frequency:

A component which converts coded impulses into audible intelligence.

Demultiplexer:

An item designed to decombine two or more simultaneous intelligence signals for recovering the intelligence received from a single signal transmission facility, the intelligence having been previously combined by a compatible multiplexer. See also MULTIPLEXER.

Distributor-Transmitter, Teletypewriter:

A component which translates code combinations from a previously perforated paper tape into electrical impulses and transmits these impulses. May include a message numbering circuit. Does not include a keyboard.

Distributor-Transmitter Assembly, Teletypewriter:

Two or more teletypewriter, Distributor-Transmitters mounted together or on the same mounting. May or may not be actuated by the same motor, not operating conjunctively on one terminal line. See also DISTRIBUTOR-TRANSMITTER, TELETYPEWRITER.

Distributor-Transmitter Set, Teletypewriter:

Two or more items, one of which is a Distributor-Transmitter, Teletypewriter. May include a perforator. Does not receive messages. See DISTRIBUTOR-TRANSMITTER, TELETYPEWRITER.

Facsimile Set:

A complete set 2*, for the transmission and/or reproduction of a fixed graphic presentation. (*Ref. Dwg. Group 253, set 2)

Facsimile-Teletypewriter Receiving Set, Radio:

A complete set 2*, for the reception of facsimile and teletypewriter signals from compatible radio frequency transmitting equipment. (*Ref. Dwg. Group 253, set 2)

Keyboard-Transmitter, Teletypewriter:

A component of a teletypewriter which utilizes a set of keys to transform mechanical motion into coded electrical impulses for transmission and may also actuate the associated typing unit.

Keyer:

An item which by electrical, electronic, and/or mechanical means automatically opens and closes a control circuit or circuits of another item in a predetermined manner. Excludes Keyer, Frequency Shift and Modulator, Radio Transmitter.

Keyer, Frequency Shift:

An item primarily designed to vary the carrier frequency of a radio transmitter to which it is connected in accordance with an intelligence signal. The item is normally employed in the transmission of telegraph signals wherein the "mark" signal is transmitted at a given frequency and the "space" signal at a frequency displaced from the "mark" frequency by a fixed number of cycles.

Monitor, Teletypewriter Signal:

An item that presents visually a continuous display of signals that contain teletypewriter information.

Multiplexer:

An item designed to combine two or more simultaneous intelligence signals for transmission over a single transmission facility. Includes both time division and frequency division types or combinations thereof. Does not include the transmission facilities.

Multiplexer Set:

A grouping of components and items consisting of two or more multiplexers and one or more demultiplexers together with accessory items.

Perforator, Teletypewriter:

An item which punches teletypewriter code combinations on a paper tape as a result of local mechanical actuation on a keyboard.

Perforator Set, Teletypewriter:

Two or more items including a PERFORATOR, TELETYPEWRITER, which punches teletypewriter coded combinations in a tape as a result of local mechanical actuation of a keyboard. Does not type on tape nor is direct transmission possible.

Projector, Teletypewriter Message:

(See TELEPRINTER)

Puller, Tape:

A device driven by an electric or spring motor specifically designed for pulling and/or reeling message tape or chad from a package, recorder, or electronic keyer.

Radio Teletypewriter Set:

A complete electronic set 2* that provides cascaded RADIO SET and TELETYPEWRITER SET facilities for the transmission and reception of intelligence.

See (1) FACSIMILE-TELETYPEWRITER RECEIVER, RADIO. (2) RECEIVER-TELETYPEWRITER SET, RADIO. (3) TRANSMITTER TELETYPEWRITER SET, RADIO.

(*Ref. Dwg. Group 253, set 2)

Receiver-Teletypewriter Set, Radio:

A complete set 2* that provides independent radio receiving set and teletypewriter set facilities. The two functions are not cascaded. (*Ref. Dwg. Group 253, set 2)

Receiver-Transmitter, Facsimile:

An item designed to receive and transmit messages and/or pictures by facsimile method. May include built-in power supply. See also FACSIMILE SET.

Repeater, Telegraph:

An item designed to receive, to amplify through current induction, and to retransmit automatically, a coded signal at an intermediate point in a long line. It may be completely self-contained with respect to the power supply and/or test instruments.

Reperforator, Teletypewriter:

An item or component which receives electrically transmitted teletypewritten signals and punches code combinations of holes in a paper tape. It may also have provision for printing the message but does not include a keyboard.

Reperforator Set, Teletypewriter:

Two or more items including a REPERFORATOR, TELETYPEWRITER which perforates a tape in response to teletypewriter coded signal received from a teletypewriter line. For items which include a keyboard and/or a distributor-transmitter, see TELETYPEWRITER SET. For reperforator teletypewriter set see TELETYPEWRITER and for reperforator-transmitter, teletypewriter see TELETYPEWRITER.

Splicer, Teletypewriter Tape:

A mechanical device for joining the ends of strips of teletypewriter tape. May include one or more number tap dispensers.

Switchboard, Patching, Communications:

A switchboard with patch cords, jacks and plugs mounted thereon to provide convenient interconnection between remote communication circuits.

Teleprinter:

An item which receives electrically transmitted teletypewritten signals and translates these signals into printed characters on a paper roll or tape. May project the message on a screen. Without a keyboard.

Teleprinter Electrographic:

An item which transforms a serial input of electrical pulses into a printed message matrix consisting of a predisposed groupage of dots formed by electrographic deposition techniques on a surface such as plastic coated paper. For items that print actual characters and/or symbols, see TELEPRINTER.

Teleprinter Set:

A complete set 2*, that receives electrically transmitted teletypewritten signals and translates these signals into printed characters on a paper roll or tape. May project the message on a screen. (*Ref. Dwg. Group 253, set 2)

Teletypewriter:

A printing telegraph instrument having a keyboard similar to that of a typewriter for use in transmitting messages, and having a motor-driven signal actuated mechanism for printing received messages directly. For teletypewriter without a keyboard, see TELEPRINTER. For a complete operating teletypewriter system, see TELETYPEWRITER SET.

Teletypewriter Set:

The components and items required to operate an electronic and/or mechanical teletypewriter system for transmitting, receiving, and recording a telegraphic messages by wire. It may include operating spares or the following operating components or items; perforator-transmitter, reperforator set, distributor-transmitter. For teletypewriter system utilizing electromagnetic waves in space, see RADIO TELETYPEWRITER SET.

Teletypewriter Code Group*:

Provides secure teletypewriter communication facilities. (*Ref. Dwg. Group 253, see Group)

Teletypewriter Group*:

Provides teletypewriter facilities. (*Ref. Dwg. Group 253, see Group)

Teletypewriter Perforator-Transmitter:

(See TELETYPEWRITER)

Teletypewriter Switchboard Group*:

Provides teletypewriter switchboard facilities. (*Ref. Dwg. Group 253, see Group)

Teletypewriter-Transmitter Control Unit:

See Control, Transmitter-Teletypewriter).

Test Set, Teletypewriter:

A test set primarily designed for use in making examinations of teletypewriter equipments.

Transmitter-Teletypewriter Set, Radio:

A complete set 2* that provides independent radio transmitting set and TELETYPEWRITER SET facilities. The two functions are not cascaded. (*Ref. Dwg. Group 253, set 2)

Typing Unit, Teletypewriter:

An item which is a part of a teletypewriter and when used with an associated teletypewriter base unit provides facilities for the typing of a message on paper or tape. May include motor, but does not include unit base.

Extracted from Cataloging Handbook H 6-2-58

*Referenced drawing group 253.

A. Group:

A group is defined as a collection of items, two or more being major electrical-electronic components which:

- (a) are collectively incapable of performing a complete operational function.
- (b) are a subdivision of a complete electronic set.
- (c) are designed to be added to or used in conjunction with a set.
- (d) extends the function(s) or adds facilities to the set(s).

B. Set 1:

A grouping of items having the same basic name for use in connection with or the performance of closely related operation.

Set 2:

A fixed number of components and/or item, not all having the same basic name, which are required for the performance of a complete specific operational function. May exclude certain operating components supplied separately or already present at the point of usage.

SECTION 3

INDEX OF TELETYPE FACSIMILE AND ASSOCIATED EQUIPMENT

ARRANGED BY JAN DESIGNATION

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/AGA-1	RADIO TTY SET			TERM EQUIP. Provides 1-way reversible r/t comm. Airborne. C/o TT-30/AGA-1 and TT-31/AGA-1. (NAVY)	CTT-CS432 CAOR-CS509
AN/AGC-1	TTY SET	60	S/R	Fixed Airborne Station. C/o TT-144/AGC-1, TT-146/AGC-1, TT-148/AGC-1, C-1295/AGC-1, and recorder-reproducer.	CCTB
AN/AGC-2	TTY SET	60	S/R	Fixed Airborne Station. C/o TT-145/AGC-2, TT-147/AGC-2, TT-148/AGC-1, and C-1295/AGC-1. (USAF)	CCTB
AN/AGC-3	TTY SET		S/R	Airborne Station. 5x7 element matrix, 200 character per second. C/o TPR, control panel, TERM unit, and KBD (high speed). (USAF)	
AN/FCC-1	CARRIER SYSTEM			See AN/TCC-2. Reassigned carrier system AN/TCC-2. (USMC)	
AN/FCC-2	CARRIER TERM SET			6-channel, 2-way, V-F, carrier TLG TERM. (SIGC)	CW-42B1 or equal
AN/FCC-3	TERM, TLG CARRIER			Provides multichannel teletype comm. over-wire or radio link. FREQ. 200 to 3000 cycles for neutral or polar loops; 2-wire line termination. (NAVY)	CAOR-HC-4800
AN/FCC-3A	TERM, TLG CARRIER			C/o transmitting and receiving groups of TERM, for 12- or 16-channel V-F TLG carrier comm. For radio or wire CKTS. (NAVY)	CQD-7860
AN/FCC-3B	TERM, TLG CARRIER			This set c/o of eight narrow band four wide band RECVR and XMTR channels. The transmitting section accepts TLG d-c pulsed signals and converts them to FREQ shift MARK-SPACE audio tones. The receiving section accepts FREQ shift MARK-SPACE audio tones, and converts them to d-c TLG pulsed signals. The XMTR and RECVR sections are compatible with polar or neutral loops. Channel speed for narrow band: 40 dot cps; wide band 100 dot cps. AN/FCC-3B is a development of AN/FCC-3A, Type I and II, but is not interchangeable due to extensive CKT changes. Power input: 115/230 V, 50/60 cps, 1-ph. 2-wire line termination. FREQ range: 382.5-1657.5 cps for narrow band; and 1870-3315 cps for wide band. C/o 1 ea Electronic FREQ Converters	CMK

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				CV-243B/FCC-3, and CV-244B/FCC-3, 2 ea Electrical EQUIP Cabinet CY-1195A/FCC-3, 1 ea TLG Carrier XMTR's T-371B/FCC-3 thru T-382B/FCC-3, and 1 ea TLG Carrier Receivers R-525B/FCC-3 thru R-536B/FCC-3. (NAVY)	
AN/FCC-3C	TERM, TLG CARRIER			Identical to TERM, TLG CARRIER AN/FCC-3B, type I and type II, except XMTR group has an Attenuator, Variable CN-609/FCC instead of a converter, and the RECVR group has no converter. (NAVY)	CMK
AN/FCC-7	TERM, TLG CARRIER			Coded by carrier FREQ. shift; channels 8 narrow band XMTRS and receivers; 2-wire line termination. For neutral or polar loops. (NAVY)	CAOR-HB5218
AN/FCC-7A	TERM, TLG CARRIER			C/o transmitting and receiving groups of TERM. For 8- or 16-channel V-F TLG carrier comm. system. FREQ shift modulation is employed for neutral or polar loops. (NAVY)	
AN/FCC-7B	TERM, TLG CARRIER			Coded by carrier FREQ shift; 8 narrow band XMTR's and receivers in FREQ range 382.5 to 1657.5 cps. Channel speed is 40 dot cps. The transmitting section accepts d-c pulsed TLG signals and converts them to FREQ shift MARK-SPACE audio tones. The receiving section accepts FREQ shift MARK-SPACE audio tones and converts them to d-c pulsed TLG signals. Both transmitters and receivers are compatible with either polar or neutral loops. This EQUIP is comparable to TERM, TLG Carrier AN/FCC-7A, type I and II, but extensive CKT changes have been made. Power input: 115/230-V, 50/60 cps, 1-ph. C/o 1 ea Electronic FREQ Converters CV-243B/FCC-3, CV-244B/FCC-3, 2 ea Electrical EQUIP Cabinet CY-1195A/FCC-3, 1 ea TLG Carrier XMTR's T-371B/FCC-3 thru T-378B/FCC-3 and 1 ea TLG Carrier Receivers R-525B/FCC-3 thru R-532B/FCC-3. (NAVY)	CMK
AN/FCC-7C	TERM, TLG CARRIER			Identical to TERM, TLG CARRIER AN/FCC-7B, type I and II, XCEPT XMTR group has an Attenuator, Variable CN-609/FCC instead of a converter and receiver group has no converter. (NAVY)	CMK
AN/FCC-8	TERM, TLG CARRIER			Coded by carrier FREQ. shift; 8 channels; 2-wire line termination. For neutral or polar loops. (NAVY)	CAOR-HB5219
AN/FCC-12	TERM, TLG CARRIER			Provides six 2-way V-F TLG channels. 4-wire line termination; dc loop, half or full duplex. (SIGC)	CCTC-F15361

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/FCC-13	TERM, TLG			Provides six 2-way V-F channels; 4-wire line termination; dc loop, half or full duplex; 60 or 75 WPM, u/w AN/FCC-12. (SIGC)	CCTC-F15360
AN/FCC-14	TERM, TLG CARRIER			Coded by carrier FREQ. shift; 8-channel, XMTRS and receivers; 2-wire line termination. This is an AN/FCC-7 modified for proportional control. (NAVY)	CAOR-HD5218
AN/FCC-15(V)	MULTIPLEXER SET			This is a time division type of multiplexer that combines 45 audio channels on one RF carrier (Giving 45 channels for each direction operating). The complement varies according to the installation requirements for the individual station. Power input: 117 V, 50/60 cps, 1-ph. AN/FCC-15(V) is u/w, but is not p/o, Radio Set AN/FRC-37. (NAVY)	CKG
AN/FCC-16	TERM, TLG			16 narrow-band or 8 narrow and 4 wide-band channels. C/o XMTR and receiver group. FREQ. range: 382.5-3315 cps. Power input; 115/230-V, 50-60 cps., 1-ph. (NAVY)	CCN-5805
AN/FCC-17	MULTIPLEXER SET			Transmission and reception of up to 600, 4-kc channels, over a single radio wire link system. (USAF)	
AN/FGA-1	MULTIPLE CALL REPERF	60 100		C/o 3 ea TYPG REPERF, 1 ea CONTROL UNIT, 1 ea MONITOR, 1 ea CONTROL PANEL, and 1 ea TD. For fixed relay station. (SIGC)	
AN/FGA-2	TTY GROUP			C/o CY-2245/FGA-2, C-2273/FGA-2, and PP-1646/UG, and REP Mixer TTY - SSM-33. U/w CSP-2699 and TSEC/KW-2. To be assembled by Norfolk NAVSHIPYD.	
AN/FGA-4	ALARM-MONITOR GROUP			AN/FGA-4 is for general purpose use. It checks operational conditions and gives a visual and audible alarm when TLG CKT is not normal. C/o 1 ea Alarm, Open Line, TLG MX-2850/FGA-4, 1 ea Cabinet, Electrical EQUIP CY-2679/FGA-4, 5 ea Monitor, TLG Signal TH-41/FGA-4, 1 ea Power-Supply PP-2415/FGA-4, and Test Set, TLG TS-1316/FGA-4. (SIGC)	CBVV-Part No. MRIM-1
AN/FGA-5	ALARM-MONITOR GROUP			AN/FGA-5 is for general purpose use. It monitors distortion of SYN TLG signals up to 5 channels simultaneously. Checks operation conditions and gives a visual and audible alarm when TLG CKT is not normal. AN/FGA-5 is similar to, but not interchangeable with, AN/FGA-4 XCPT is provides SYN operation and utilizes 5 monitors with servo units. C/o 5 ea Alarm-Monitor BZ-65/FGA-5, 1 ea Cabinet Electrical EQUIP CY-3006/FGA-5, 1 ea Generator Signal SG-387/FGA-5, and Power Supply PP-2771/FGA-5. (SIGC)	CBVV-Type No. D7006

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/FGC-T1	TRAINER, TELE-GRAPHIC CODE			Replacement for EE-95. A grouping of components, for a 40-student school in remote locations. (SIGC)	CMK
AN/FGC-T2	TRAINER, TELE-GRAPHIC CODE			A grouping of components which provides facilities for a 20-student school in remote locations. (SIGC)	
AN/FGC-T3	TRAINER, TELE-GRAPHIC CODE			A grouping of components which provides facilities for a 40-student school in remote locations. (SIGC)	
AN/FGC-T4	TRAINER, TELE-GRAPHIC CODE			Replacement for EE-94. A grouping of components which provides for a 20-student school in remote locations. (SIGC)	CMK-39314
AN/FGC-1	RADIOTELETYPE TERM EQUIP			Single channel carrier, rectifiers to dc TLG signals. P/o AN/FRR-3 or any single or dual space diversity receiving EQUIP. 100 WPM max. (SIGC)	CW-X61789-A
AN/FGC-1A	RADIOTELETYPE TERM EQUIP			Carrier; c/o XMTR portion and receiver portion. (NAVY)	CW-X61790-A, B, C
AN/FGC-1B	RADIOTELETYPE TERM EQUIP			Carrier; c/o XMTR portion and receiver portion. (NAVY)	CW-SPEC RE-9538A
AN/FGC-1C	RADIOTELETYPE TERM EQUIP			Converts signal to dc pulses for operating TPR. Dual diversity operation. Ass'y of EQUIP. (SIGC)	CATT-X61789A
AN/FGC-1X	RADIOTELETYPE TERM EQUIP			Assembly of EQUIP. U/w any single or space diversity EQUIP. Capable of supplying two beat frequencies at zero db level for reception of telephone or teletype signals transmitted by radio. U/w AN/FRR-3. (SIGC)	CW-X61789A-1
AN/FGC-2	TLG TERM SET			Provides 4-channel multiplex operation of the time-division type, over any TLG comm. CKT. (SIGC)	CRV-L-1075B
AN/FGC-3	OCEAN CABLE TERM SET			For manual signaling in Morse or cable code over ocean TLG cable. (SIGC)	CBBX-SPEC 6480B
AN/FGC-4	TTY SET	60	S/R	C/o TYPG unit, KBD, TBL, LB, and SER. 7.42-unit code (tape printing).	CTT-M14
AN/FGC-5	TLG TERM SET			Provides 2-, 3-, or 4-channel multiplex operation on a 60- or 75-WPM channel basis of time-division type over any TLG comm. CKT. (NAVY)	CTT-SPEC S-5605

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/FGC-6	TTY SET	60, 75	S/R	Torn tape system; EXPER. for 100 WPM. C/o KBD, SYN, sending console and receiving cabinet (3 CKTS), plus spare TYPG REPERF. TTY sending control. U/w standard TTY EQUIP. (NAVY)	CTT-M14
AN/FGC-6X	TTY SET	60 75	S/R	Torn tape relay system; EXPER. for 100 WPM. C/o KBD SER, sending console and receiving cabinet (3 CKTS). Plus spare TYPG REPERF, monitoring cabinet (3 CKTS). TTY sending control. U/w standard TTY EQUIP. (NAVY)	CTT
AN/FGC-7	TTY REP SET			Regenerative type; 60, 75, and 100 WPM. C/o TT-63/FGC REP and cabinet. Handles 8 CKTS. Replaced by TH-18()/FG. (NAVY)	CBMY
AN/FGC-7A	TTY REP SET			Regenerative type; u/w simplex open-wire CKTS. C/o 8 ea TT-63A-REP and 1 ea CY-614 cabinet. Handles 8 CKTS. (NAVY)	CBVV
AN/FGC-7B	TTY REP SET			S/a AN/FGC-7A, XCPT uses TT-63B/FGC. (NAVY)	CBHT-407, 140
AN/FGC-8	TTY SET	60	S/R	Replaces TT-7/FG. C/o TBL, SER, TYPG unit, KBD, RECT, TD, BASE, and PERF XMTR. (NAVY)	CTT-M19
AN/FGC-9	TTY SET	60	S/R	S/a AN/FGC-8, XCPT SYN. (NAVY)	CTT-M19
AN/FGC-10	TTY SET	60	S/R	Page PTR. C/o TYPG unit, KBD, base, RECT, relay, SYN, and TBL. (NAVY)	CTT-M15
AN/FGC-11	TTY SET	60	S/R	S/a AN/FGC-8, XCPT shock mounted. (NAVY)	CTT-M19
AN/FGC-12	TTY SET	60	S/R	C/o TYPG REPERF, KBD, TD, RECT, TBL, LB, and SYN. (NAVY)	CTT-M14
AN/FGC-13	TTY SET	60	R/O	S/a TT-51/FG, XCPT SYN. (NAVY)	CTT-M15
AN/FGC-14	TERM, TLG			Cancelled 12-9-53. (NAVY)	
AN/FGC-15	TTY SET	60	S/R	C/o TD, REPERF, TBL, RECT, and SYN. (NAVY)	CTT-M14
AN/FGC-16	TTY SET	60	S/R	C/o SYN., REPERF, TD with TBL and RECT. (NAVY)	CTT-M14

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/FGC-17	TTY SET	75	S/R	S/a AN/FGC-10, XCPT modified for 460 OPM. (NAVY)	CTT-M15 (modified)
AN/FGC-18	TTY SET	60	S/R	S/a AN/FGC-10, XCPT WX. (NAVY)	CTT-M15
AN/FGC-19	TTY SET	60	S/R	S/a AN/FGC-9, XCPT modified for WX. (NAVY)	CTT-M19 (modified)
AN/FGC-20	TTY SET	60 100	S/R	Friction or sprocket feed. C/o TT-100/FG, KBD, RECT, TBL, and SYN. (SIGC)	CCTB-150
AN/FGC-20X	TTY SET	60 100	S/R	Friction feed only. S/a AN/FGC-20, XCPT c/o TT-98/FG, SER. (SIGC)	CCTB-152
AN/FGC-21	TTY SET	60 100	S/R	S/a AN/FGC-20, XCPT c/o TT-99/FG; WX, 76 character per line. (SIGC)	CCTB-151
AN/FGC-21X	TTY SET	60 100	S/R	Gears available for 66 and 75 WPM. S/a AN/FGC-21, XCPT c/o TT-97/FG, SER. (SIGC)	CCTB
AN/FGC-22	TTY SET	60 100	S/R	C/o REPERF TT-111/FG, KBD, tape PTR, RECT, and SYN. (SIGC)	CCTB
AN/FGC-22X	TTY SET	60 100	S/R	C/o KBD, SER, tape PTR, RECT, and REPERF TT-113/FG. (SIGC)	CCTB
AN/FGC-23	TTY SET	60 100	S/R	C/o KBD, WX, SYN, tape PTR, and REPERF TT-112 FG. (SIGC)	CCTB
AN/FGC-23X	TTY SET	60 100	S/R	C/o KBD, WX, SER, tape PTR, REPERF TT-114/FG, and RECT. (SIGC)	CCTB
AN/FGC-24	TTY SET	75	S/R	For shipboard use. C/o KBD, PERF-XMTR, TD, TBL, RECT, and SYN. Similar to AN/FGC-9, XCPT 75 WPM. (NAVY)	CTT-M19 (modified)
AN/FGC-25	TTY SET	60 100	S/R	Friction or sprocket feed. U/w TT-122/FG. C/o TT-117A/FG and TT-179A/FG, TBL, SYN. (SIGC)	CCTB-154
AN/FGC-25X	TTY SET	60 100	S/R	Friction or sprocket feed. U/w TT-123/FG. C/o TT-119A/FG and TT-178A/FG, TBL, SER. (SIGC)	CCTB-153
AN/FGC-26	TTY SET	60 100	S/R	Gears available for 66 and 75 WPM; page receiving; Friction or sprocket feed. C/o TT-118/FG and TT-181/FG, TBL, WX, SYN. (SIGC)	CCTB
AN/FGC-26X	TTY SET	60 100	S/R	Gears available for 66 and 75 WPM. C/o TT-120/FG and TT-180/FG, TBL, WX, and SER. (SIGC)	CCTB

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/FGC-27	TTY SET	60 100	S/R	C/o TT-149/FG, KBD, SYN, RECT, tape PTR, REPERF, and tape XMTR. (SIGC)	CCTB
AN/FGC-27X	TTY SET	60 100	S/R	S/a AN/FGC-27, XCPT C/o TT-150/FG, SER. (SIGC)	CCTB
AN/FGC-28	TTY SET	60 100	S/R	C/o TT-151/FG with KBD-WX, SYN, RECT, tape PTR, REPERF, and tape XMTR. (SIGC)	CCTB
AN/FGC-28X	TTY SET	60 100	S/R	S/a AN/FGC-28, XCPT C/o TT-152/FG SER. (SIGC)	CCTB
AN/FGC-29	TERM, TLG			16 channels for use over long range radio CKTS plus two speech or FAX channels. 100 WPM per channel. Replaced by AN/FGC-54 EXPR. (SIGC)	CBBX
AN/FGC-30	CENTRAL OFFICE, TTY	60 100	S/R	This is a grouping of components. C/o 100 full duplex lines (capable of expansion to 250). Automatic TTY tape relay system. Handles single call and multiple call msgs. (SIGC)	CAOX CCTB
AN/FGC-31	TTY SET	60	S/R	7.42-unit code, 3/8" tape; tape PTR. C/o SYN, LB, TBL, KBD, TYPG unit, and relay. (NAVY)	CTT-M14
AN/FGC-32	TTY SET	60	R/O	7.42-unit code, 3/8" tape; tape PTR. C/o SYN, TYPG unit, LB, relay, and TBL. (NAVY)	CTT-M14
AN/FGC-33	TTY SET	60	R/O	7.42-unit code, 3/8" tape; tape PTR. C/o TYPG unit, LB, relay, TBL, and SER. (NAVY)	CTT-M14
AN/FGC-34	TTY SET	60	R/O	C/o WX TYPG unit, base, relay, TBL, RECT, and SER. Similar to TT-101/FG, XCPT SER. (NAVY)	CTT-M15
AN/FGC-35	TERM, TLG			Polar receive, neutral send; 12-channel radio teletype TERM. For use over long range radio CKTS. Provides space diversity XMSN and reception. (SIGC)	CW
AN/FGC-36	TTY SET	60,66, 75 100, 250, 750	S/R	SIGC development; speeds require no gear changes. All electronic page receiving, friction, or sprocket feed. C/o KBD, TBL, and recording (TYPG). (SIGC)	
AN/FGC-37	TTY SET	60 100	S/R	Cancelled 26 April 1957: Replaced by AN/MCC-18. (SIGC)	CCTB

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/FGC-38	TTY SET	60,75, 100	S/R	Teletype semiautomatic tape relay EQUIP. Set "A"; 11/16" chadless tape. C/o XMTR, receiver, monitor groups, and SYN. (NAVY)	CTT
AN/FGC-38A	TTY SET	60,75, 100	S/R	S/a AN/FGC-38, XCPT includes different units. (NAVY)	CTT
AN/FGC-38X	TTY SET	60,75, 100	S/R	S/a AN/FGC-38, XCPT SER (NAVY)	CTT
AN/FGC-38AX	TTY SET	60,75, 100	S/R	S/a AN/FGC-38A, XCPT SER. (NAVY)	CTT
AN/FGC-39	TTY SET	65	S/R	7.00-unit code; semiautomatic tape relay EQUIP Set "C"; 390 OPM. C/o XMTR, receiver, monitor groups, and SYN. (NAVY)	CTT
AN/FGC-39A	TTY SET	65	S/R	7.00-unit code; semiautomatic tape relay EQUIP 390 OPM. C/o XMTR, receiver, monitor groups, and SYN. (NAVY)	CTT
AN/FGC-40	TTY SET	60	S/R	S/a AN/FGC-12, XCPT has two SER. (NAVY)	CTT-M14
AN/FGC-41	TTY SET	75	S/R	S/a AN/FGC-18, XCPT 75 WPM. (NAVY)	CTT-M15
AN/FGC-42	TTY SET	75	S/R	C/o WX-TYPG unit, base, SYN, PERF XMTR, TD, TBL, and RECT. S/a AN/FGC-19, XCPT 75 WPM. (NAVY)	CTT-M19
AN/FGC-43	TTY SET		S/R	Cancelled; This set will never be procured, stocked, or issued. (USAF)	
AN/FGC-44	TERM, TLG			Classified EQUIP. (NAVY)	
AN/FGC-45	TTY SET	60	S/R	Page PTR; Friction or sprocket feed optional. C/o KBD, SYN, TBL, and TT-207/FG. (SIGC)	CCTB-150, w/54300A
AN/FGC-46	TTY SET	60	S/R	Page PTR; Friction or sprocket feed optional. 76 Characters per line. C/o KBD, WX, SYN, TBL, and TT-208/FG. (SIGC)	CCTB-151 w/54300A
AN/FGC-47	TPR	60	R/O	Page PTR; Friction or sprocket feed optional. C/o TT-209/FG, TBL, SYN. (SIGC)	CCTB-150R, w/54300A
AN/FGC-48	TPR	60	R/O	Page PTR; Friction feed or sprocket feed optional. C/o TT-210/FG, WX, SYN. 76 characters per line. (SIGC)	CCTB-151R, w/54300A

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/FGC-49	TERM, TLG			Time-division type; 100 WPM per channel; 2 sets of 4 channels each; multiplex channels with power supplies in cabinet. Shore version of AN/UGC-1. (NAVY)	CTT
AN/FGC-50	RADIO TTY SET			Classified EQUIP. (USAF)	
AN/FGC-51	TTY		S/R	This set receives TTY signals in printed PERF tape from one CKT, and automatic retransmission to another CKT; 7.00-unit code; sprocket feed. C/o SYN, TYPG REPERF, TD, and base. (USAF)	
AN/FGC-52	TTY SET	60 100	S/R	7.00-unit code; friction or sprocket feed. C/o KBD, SYN, REPERF-XMTR TT-269/FG, TTY TT-270/FG and TBL. (USAF) Power input: approx. 380-w, 95- to 250-v, 60cps.	CCTB
AN/FGC-52X	TTY SET	60, 75,100	S/R	Page PTR with standard comm, and SER motor. 7.00 unit code; friction or sprocket feed. C/o TTY TT-271/FG, REPERF-XMTR TT-272/FG, and TBL FN-271/FG. Power input: approx. 440-W, 95-250V regulated or unregulated ac.	CCTB
AN/FGC-53	TTY SET	60 100	S/R	S/a AN/FGC-52. XCPT SER. (USAF)	CCTB
AN/FGC-54	TERM, TLG			EXPER. 40 TLG channels of 75 bit per second (100 WPM). Provides FREQ multiplexed quadrature phase modulated facilities. 40 channels. (SIGC)	
AN/FGC-55	MULTIPLEXER SET			This is the production version of AN/TCC-35. Time division type; 2, 4, 6, 8, or 16 channels for each direction. Teletype multiplex TERM EQUIP. (USAF)	
AN/FGC-56	TTY SET	60	S/R	Capable of 75 and 100 WPM operation. C/o KBD, SYN, relay, RECT, and selective calling feature. Page PTR with TYPG on tape and perforation and tape MSN . Console mounted. (SIGC)	CTT-M28 ASR
AN/FGC-56X	TTY SET	60	S/R	S/a AN/FGC-56, XCPT SER. (SIGC)	CTT-M28 ASR
AN/FGC-57	TTY SET	60 100	S/R	Page PTR, with tape perforation and tape sending. C/o KBD, SYN, TT-117A/FG, TT-250/FG, and TBL FN-111/FG. U/w AN/FRC-57 and AN/FGC-30. (SIGC)	CCTB-154B
AN/FGC-58	TTY SET	60	S/R	Capable of 75 and 100 WPM operation. SIGC version of AN/UGC-6. C/o TYPG unit, TYPG REPERF, TD, TYPG PERF. SYN, KBD, RECT, and selective calling feature.	CTT-M28 ASR

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/FGC-58X	TTY SET	60	S/R	SIGC version of AN/UGC-6X. S/a AN/FGC-58, XCPT SER.	CTT-M28 ASR
AN/FGC-59	TTY SET	100	S/R	Provides 100 WPM tape operation for XMSN, reception, and monitoring of TTY messages at semi-automatic tape relay centers. Automatic numbering is p/o the processing of transmitting traffic on a tom tape relay channel. It has the capability of three full duplex channels. Similar to TTY Set AN/FGC-38, XCPT it uses Model 28 EQUIP which is geared for 100 WPM. EQUIP characteristics: Fixed station; English characters; Sprocket feed; SYN motor; 7.42 unit code. Operating power: 110 v, 60 cps, 1 ph. Component data: 1 ea XMTR GROUP c/o: 3 ea Numbering TD, 6 ea Message TD-3, 1 ea Cabinet CY-1522/FGC; 1 ea MONITOR GROUP c/o: 3 ea REPERF, 1 ea Cabinet CY-1522/FGC; 1 ea RECEIVING GROUP c/o: 3 ea REPERF, 1 ea Cabinet CY-1523/FGC.	CTT-M28 Tom Tape System
AN/FGC-60	TERM, TLG	60, 75, 100	S/R	This set is a fully transistorized 16 TTY (60, 75, 100 WPM) channel transmit and dual diversity receive FREQ division multiplex system, for use on long distance radio sideband or wire comm. links. AN/FGC-60 is compatible with, and can replace TLG, TERM AN/FGC-29, when u/w proper channel deriving and line equalizing equipments. Multiplexing data: FREQ division type, 16 channels, 425 cps to 2975 cps; 170 cps spacing between channels; four wire line termination. Loop data: DC actuated, neutral operation, switch type selection. Operating power required: 115v, 50/60 cps, 1-ph, 100 w (approx.) This set is housed in MIL type CY-597/G cabinets, or can be used in any standard 19-inch rack. (SIGC)	CCVR & CBPP— Model 2004
AN/FGC-60(V)	TERM, TLG	100	S/R	This set is used for long-distance comm. links. Provides 8 channel or 16 channel diversity and 16 or 32 channel non-diversity. Larger capacities require use of optional multiplexers and demultiplexers. FREQ-division type with an operating speed of 100 WPM, 4-wire line termination. Loop data: ac actuated, full duplex operation, neutral operation, and switch type selection. If polar output is required, the Model 107 output unit can be used in lieu of the Electronic Switch SA-733/UGC (Tele-Signal Model 109). FREQ rang: 425-2975 cps. No. of channels: 16-Spaced 170 cycles. Power input: 115 v, 50-60 cps. 1-ph. (NAVY)	CCVR

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/FGC-61	TERM, TLG	100 (Max.)	S/R	This set is fully transistorized multichannel FREQ shift comm. Term used for XMSN and reception of TLG, TPR or telemetering signals over channels subject to fading or attenuation changes, such as long distance point-to-point radio sideband CKTS or wire comm. links. AN/FGC-61 is compatible with and can replace TLG, TERM AN/FGC-29, when u/w proper channel deriving and line equalizing equipments. Multiplexing data: FREQ division type, 16 channels, 425 to 2975 cps center FREQ, 170 cps spacing between channels, 100 WPM maximum keying per channel; four wire line termination. Loop data: DC actuated, neutral and polar operation, switch type selection. Operating power required: 115/230 v, 50/60 cps, 1 ph. (SIGC)	CNR-Type 235, Model 1
AN/FGC-62	TTY SET		S/R	This is a page printing, WX comm TTY Set for fixed plant use. C/o 1 ea TPR, Power supply, TBL; gears supplied for 45.0, 50, and 75 baud rates. EQUIP characteristics: WX comm KBD; English characters; 76 characters per line; friction or sprocket feed as desired; SYN motor; 5 unit code. Operating power: 110/220 v, 50/60, 1 ph. Similar to AN/FGC-21, XCPT this new set will receive at 7.0, and greater unit intervals, and send from KBD at 8.9 intervals. It is intended that this set be procured MIPR thru the Army. Original Lab: WL-60-R-3109 (USAF).	CCTB
AN/FGC-62X	TTY SET		S/R	S/a AN/FGC-62, XCPT this set has a SER motor. It is similar to AN/FGC-21X, XCPT this new set will receive at 7.0, and greater unit intervals, and send from KBD at 8.0 intervals. It is intended that this set be procured MIPR thru the Army. Original Lab: WL-60-3110 (USAF).	CCTB
AN/FGC-63(XN-)	TERM, TLG	100		This set is a binary coherent signaling system operating on phase-shift keying on a plurality of independent frequency-multiplexed channels, each of which automatically establishes its phase reference from the received signal in that channel. The EQUIP operates between the binary generator or receiver (TTY apparatus etc.) and the XMSN CKT. Number of channels may be arranged to suit traffic or CKT conditions. Multiplexing data: FREQ division type; 20 channels simplex (40 channels diplex) or nominal 3 KC CKT, <u>or</u> 40 channels simplex (80 channels diplex) on nominal 6 KC CKT. FREQ range: 420-2950 cycles <u>or</u> 420-5900 cycles; 120 cycle spacing between channels; 100 WPM operational speed each	CCVQ-Phase MULTILOK system, Type M2B, Model No. 5463.

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				channel (two 100 WPM CKTS per duplex channel). Four wire line termination. Loop data: dc actuated, full duplex operation, link selection. This set is for 19-inch rack mounting. Operating power: 115 v, 60 cps, 1 ph. This set is u/w, but not p/o TLG EQUIP, FAX and cryptographic apparatus, computer and control EQUIP. (NAVY)	
AN/FGC-64	TTY SET	60, 66, 75, 100	S/R	Page PTR for fixed plant use. EQUIP characteristics: WX comm. KBD; English characters; 76 characters per line; friction or sprocket feed; SER motor; KBD 8.00 unit code. Alternate operating power: 110 vac. 60 cps, 1 ph; and 110 vdc. C/o TTY TT-293/FG, TTY TBL FN-59/FG, and Power Supply PP-978/FG. (SIGC)	CCTB-Model 90400A-32.40
AN/FGC-65				No information available.	
AN/FGC-66	TTY SET	60, 66, 75, 100	S/R	Fixed station page PTR with standard comm KBD, English characters. EQUIP characteristics: 72 characters per line; friction or sprocket feed; 7.42 unit code. Operating power: 110 vac, 60 cps, 1 ph; and 110 vdc. C/o 1 ea TTY TT-300/FG and Power Supply PP-978/FG. (SIGC)	CCTB-Model 90400A-39.10
AN/FGC-67	TTY SET		S/R	Fixed station page PTR with standard comm. KBD, English characters. C/o IPR, Power supply, and TBL, Gears supplied for 45.5, 50, and 75 baud rates. Equip characteristics: 76 characters per line; friction or sprocket feed as desired; SYN motor; 5 unit code. Operating power: 110/220 v, 50/60 cps, 1 ph. Similar to AN/FGC- 20, XCPT this new set will receive at 7.0 and greater unit intervals, and send from KBD at 8.0 intervals. (USAF)	CCTB
AN/FGC-67X	TTY SET		S/R	S/a AN/FGC-67, ECPT this set has a SER motor. Similar to AN/FGC-20X this new set will receive 7.0 and greater unit intervals, and send from the KBD at 8.0 intervals. (USAF)	CCTB
AN/FGM-1	TEST SET, TLG	60, 75, 100		Supplies 75 similar test messages to a neutral TLG CKT, 20 or 60 mo. Call sign is NPG-Sends. The set has a gray finish aluminum case. This is the s/a Test Set, TLG AN/FGM-2, -3, and -4, XCPT test messages differ. C/o 80 ea Electronic relays, and 5 ea TLG distribution panels. Power input: 115 V, 60 cps, 1-ph. (NAVY)	CBVV-Model No. EDU-100-75 (NPG-Sends)

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/FGM-2	TEST SET, TLG	60, 75, 100		Supplies 75 similar test messages to a neutral TLG CKT, 20 or 60 ma. Call sign is NPM-Sends. The set has a gray finish aluminum case. This set is the s/a Test Set, TLG AN/FGM-1, -3, -4, XCPT test messages differ. C/o 80 ea Electronic relays, and 5 ea TLG distribution panels. Power input: 115 V, 60 cps, 1-ph. (NAVY)	CBVV-Model No. EDU-100-75 (NPM-SENDS)
AN/FGM-3	TEST SET, TLG	60, 75, 100		Supplies 75 similar test messages to a neutral TLG CKT, 20 or 60 ma. Call sign is NSS-Sends. The set has a gray finish aluminum case. This set is the s/a Test Set, TLG AN/FGM-1, -2, -4 except test messages differ. C/o 80 ea Electronic relays and 5 ea TLG distribution panels. Power input: 115 V, 60 cps, 1-ph. (NAVY)	CBVV-Model No. EDU-100-75 (NSS-SENDS)
AN/FGM-4	TEST SET, TLG	60, 75, 100		Supplies 75 similar test messages to a neutral TLG CKT, 20 or 60 ma. Call sign is NPO-Sends. The set has a gray finish aluminum case. This set is the s/a Test Set, TLG AN/FGM-1, -2, -3, XCPT test messages differ. C/o 80 ea Electronic relays, and 5 ea TLG distribution panels. Power input: 115 V, 60 cps, 1-ph. (NAVY)	CBVV-Model No. EDU-100-75 (NPO-SENDS)
AN/FGQ-1	TTY REP-MIXER	60		TERM EQUIP. 2-way TTY REP and mixer. C/o power unit, mixer, REP, power box, and cabinet. U/w SIGCUM SIGTOT, TTY TT-10/FG or TTY Set AN/TGC-3 to increase the traffic handling capacity. (SIGC)	CW-131B-2
AN/FGQ-1A	TTY CODE GROUP	60		C/o mixing relay unit, REP unit power supply, and TBL. Provides facilities for enciphering and deciphering text automatically. Power required: 105-125 vdc or 95-125 v, 60 cps. (SIGC)	CW-GA-10598
AN/FGQ-2	PERF, TTY			7.42-unit code, standard KBD, fully punched tape. C/o PERF, RECT, KBD, counter w/dial and pointer. (SIGC)	CTT-DPE201 BB/KU
AN/FGQ-3	PERF, TLG			Wheatstone Continental Code, C/o wheatstone PERF cover copyholder, RECT, TBL, and spacing mechanism. Teletype serial number, and Code designation is on unit. Power required: 125 vac or 120 vdc. (NAVY)	CTT
AN/FGR-1				AN/FGR-1 - Cancelled, use TT-45/FG. (NAVY)	
AN/FGR-2	TERM, TLG	60, 75, 100		C/o cabinet, start-stop code converter, receiving distr. drive unit, and power supply. Single channel SYN over TLG CKTS. Electronic Monoplex (Model B) Bull 209B. (NAVY)	

BY JAN DESIGNATION

NAVSHIPS 93434(A)

TTY AND FAX INDEX

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/FGR-3	TERM, TLG			Multiplexing data, FREQ division, 2 bands, 16 channels (dual diversity). Receives carrier TLG, speech, and FAX traffic. P/o AN/FGC-29; u/w AN/FGT-2(). (SIGC)	CBBX
AN/FGR-4	TPR SET	60 2000	R/O	7.42-unitcode. This is a high speed TPR set that receives electrically transmitted teletypewritten signals and translates these into printed English characters. SER. (USAF)	
AN/FGT-1	TERM, TLG			Single channel automatic TLG comm., SYN operation on either 60, 75, or 100 WPM over any TLG comm. CKT having suitable characteristic. Converts start-stop teletype signals to monoplex signals. (NAVY)	CTT
AN/FGT-2	TERM, TLG			Multiplexing data, FREQ division type, 16 channels; 4-wire line termination. Transmits carrier, TLG, speech, and FAX traffic and provides facilities for modulating the 6-kc sideband of twin channel single sideband XMTRS. U/w AN/FGR-3. P/o AN/FGC-29. (SIGC)	CBBX
AN/FGT-3	DISTR-XMTR SET, TTY		S/R	C/o KBD, SYN, control message composer, message composer XMTRS GS-18092 and GS-18092-L2, TPR, 2 ea distr-XMTR, relay, plus accessories. This is a full duplex 4-wire teletype transmitting set. (USAF)	CW-G-251482
AN/FRQ-9(V)	MONITOR SET, COMM.			Provides DC audio and R-F monitoring facilities at radio receiver stations. It is an aid for the selection of the best antenna for reception of signals and gives relative strength indications of signal levels. Comm. monitoring data: 26 TTY lines; 60 audio lines; 19 intercommunication station lines. This EQUIP is u/w, but not p/o, various Navy comm. EQUIP. The set is shipped in two sections from the NGF. Power input: 110 V, 60 cps, 1-ph. Mfr: U.S. Naval Gun Factory.	
AN/GGA-1	TTY GROUP	75	S/R	C/o TT-36/GGA-1, TT-37/GGA-1, TT-38/GGA-1, TT-39/GGA-1, TBL, RECT, for SYN units. U/w classified comm. EQUIP. (SIGC)	CTT
AN/GGA-1A	TTY GROUP	75	S/R	S/a AN/GGA-1, XCPT uses TT-183/GGA-1A in lieu of TT-39/GGA-1. (NAVY)	CTT
AN/GGA-1B	TTY GROUP	75	S/R	S/a AN/GGA-1 and AN/GGA-1A, XCPT uses TT-184/GGA-1B in lieu of TT-39/GGA-1 and TT-183/GGA-1A. (NAVY)	CTT

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/GGA-1X	TTY GROUP	75	S/R	S/a AN/GGA-1, XCPT SER. (NAVY)	CTT
AN/GGA-2	TTY GROUP			C/o power supply, cabinet, electrical EQUIP, code converter, and storage unit. Interrogator receiver at site. S/a XMTR site XCPT interrogator XMTR. Corrects errors in the reception of information due to fading noise or other interference. (USAF)	
AN/GGA-3	TTY GROUP			For controlling and furnishing line voltage to 20 radio channels for keying the XMTR when transmitting TLG signals by radio. Also controls TTY switching unit. U/w various TLG sets. (USAF).	CATD & CW
AN/GGA-4	TTY GROUP			S/a AN/GGA-3, XCPT five radio channels. (USAF)	CATD & CW
AN/GGA-6	TTY GROUP			Provides console facilities for mounting and housing Kleinschmidt TPR EQUIP for half duplex operation. If Teletype Corp. EQUIP is utilized, a REPERF, shelf and XMTR distr, and mounting plate are required. (USAF)	
AN/GGA-7	TTY GROUP			S/a AN/GGA-6, XCPT provides larger facilities for full duplex operation. (USAF)	
AN/GGA-8	TTY GROUP			S/a AN/GGA-7, XCPT provides facilities for certain types of comm. security EQUIP. (USAF)	
AN/GGA-9	TTY GROUP			C/o PTR, keyer FREQ shift, high speed PERF converter FREQ shift; reader tape; REP regenerative. Operational speeds of 60 to 2000 WPM when used with existing teletype EQUIP. Lessens overloaded teletype networks (teletype TERM.), when used with various teletype equipments. P/o 216L system. (USAF)	
AN/GGA-10	MULTIPLEXER GROUP		S/R	AN/GGA-10 is for general purpose use. This group provides a 2 channel (transmitting and receiving) transistorized FREQ division multiplexer facility. The channels may be used for various types of signals such as a high-speed PTR morse or time division multiplex CKTS, as well as for telemetering, control CKTS and servo mechanisms. C/o 2 ea Shelf, Converter and Keyer Northern Radio type 239 model 1, 4 ea Power Supply PP-2807/GGA-10, 2 ea Mounting MT-2408/GGA-10, 6 ea Demultiplexer TD-442/GGA-10, 6 ea FREQ Shift Tone Converter Northern Radio type 212 model 1, and 12 ea Multiplexer TD-443/GGA-10. (USAF)	CBTB-Type 229, Model 1 (Modified)

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/GGA-11 ()	CONTROL MONITOR GROUP		R/O	AN/GGA-11 () is for specific use. It receives signals over a telephone line and compares the the received information with that stored in its memory. If the information received matches any stored information, Converter, Signal Data CV-1052()/GGA turns on the appropriate XMTR or RECVR. AN/GGA-11() is u/w, but not p/o Control Monitor C-2539()/GTC. C/o CV-1052()/GGA, and Code Actuated TTY Selector Switch SA-760()/GGA. (USAF)	CAXY
AN/GGC-2	TTY SWITCHING CENTER			Grounduse. TTY switching center used for switching or routing TTY traffic and for automatically numbering and time stamping of msgs. (SIGC)	CCT & CAOX
AN/GGC-3	TTY SET	60 100	S/R	C/o TT-76/GGC; carrying case and TBL; 11/16" or 7/8" tape; portable; SER. General tape relay service; can punch tape locally. (SIGC)	CCTB-109
AN/GGC-3A	TTY SET	60 100	S/R	C/o TT-76B/GGC, (REPERF-XMTR), TBL, case, and KBD for printing on tape, TD. (SIGC)	CCTB-REF. 90211A
AN/GGC-5	TTY SET	60 100	S/R	Portable, sprocket feed. C/o WX-KBD, SER TT-177/TGC REPERF-XMTR, case, and TBL. (SIGC)	CCTB
AN/GGC-6	TTY SET	60 100	S/R	Portable, sprocket feed, 7.00-unit code. C/o KBD, SER, TT-237/GGC-6, case, and TBL. (USAF)	
AN/GGT-2	DISTR-XMTR SET, TTY	1875 (Max.)	S/O	AN/GGT-2 translates code combinations from a previously punched or printed tape to electrical pulses and transmits these pulses. It is p/o Data Handling Subsystem of Weather System 433L, and is u/w, but not p/o, AN/FMQ-5, AN/GMH-2, AN/GTH-1, AN/TMT-1, C-2538/GTC and C-2539/GTC. Tape data: 1 1/4 in. wd. max., fully punched. Operating power: 110 V, 60 cps, 1-ph. Special features of this set are that it reads punched and printed tapes, character types and punches tapes simultaneously. C/o DISTR-XMTR, Telecode T-684()/GTC; PERF-TPR TT-319/GGT-2; Transport, TTY Tape TT-320/GGT-2; and Console, DISTR-XMTR Set, TTY CY-3074()/GGT-2. (USAF)	CBRL-Part No. 5-17-102
AN/GGQ-2	TTY SET		S/R	Lightweight cipher machine. C/o REP mixer unit, TD, KBD PERF XMTR TYPG unit, R/O TD, and TYPG REPERF. Online or offline operation. (SIGC)	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/GSC-6	RADIO TTY SET			This set is engine-generator or land power operated and is installed in a Helicop Hut for mobile or fixed ground installation. FREQ range: 2.2-30 mc, 12 bands. Power input: 115 V, 60 cps, 1-ph or 3-ph. Power output: 100 W nominal for A1 emission; 350 W nominal for A3 emission; 1000 W PEP nominal for A3a emission; and 1000 W nominal for F 1 emission. Special feature: Complete system transportable by air and mounted for helicopter drop. AN/GSC-6 is engine generator or land power operated. (USMC)	CCVP
AN/GXC-1	FAX SET		S/R	300 scanning lines per inch. For XMSN and photographic reception of pictural copy 9x9 inches. (SIGC)	
AN/GXC-2	FAX SET		S/R	Portable; black and white 4x5-inch copy at a definition of approx 100 lines per inch. Operates from 6v power sources. C/o FAX XMTR and receiver. Capable of interoperation with AN/GXC-3. (SIGC)	
AN/GXC-3	FAX SET		S/R	8x10-inch black and white copy at a definition of approx 80 lines per inch. U/w AN/GXC-2 by manual control adjustment. (SIGC)	
AN/GXC-4	FAX SET		S/R	EXPER, XMTR polaroid recorder, (Voice CKT required.) S/R pictures, maps, and msgs. (SIGC)	
AN/GXC-5	FAX SET		S/R	C/o XMTR-recorder, primary power source; transmission of maps, photos, and msgs. (Voice CKT required.) (SIGC)	
AN/GXH-1	RECORDING SET, FREQ-TIME			Records signals or groups of signals of a definite cyclic nature. C/o 1 FREQ-time recorder, 1 electronic control amplifier, 1 AF amplifier, 1 AF oscillator, 1 control reel, 1 control panel and 1 power distribution panel. (NAVY)	CBWS
AN/GXH-3()	RECORDER SET, SIGNAL DATA			AN/GXH-3() graphically records electrical and indicating signals of groups of signals of a definite cyclic or repetitive nature. An immediately visible permanent record is made on a continuous sheet of electrolytic paper which may be observed at the instant of recording or accumulated for subsequent visual analysis, or may be used as a tracing to reproduce copies on a blue print or white print machine for activity distribution. This EQUIP was formerly Signal Separator QRC-26(T). It is u/w, but not p/o, various broad band receivers. EQUIP characteristics: Electromechanical recording; FAX paper recording	CBWS

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				medium; input obtained from magnetic tape or wire; 1 channel; 500 ohm impedance; 3 recording range speeds; 15 to 15,000 cyc/sec over-all FREQ response. Operating power: 115 V, 60 cps, 1-ph. This set features an oscilloscope (10 inch CRT) for monitoring recorder input. C/o Recorder; Oscilloscope; Drive amplifier; Take up reel; Cabinet; Recorder amplifier; and Oscillator. (USAF)	
AN/MGC-1	CENTRAL OFFICE, TTY	60,66	S/R	P/o Comm Central AN/MSC-3. Mobile: Provides teletype traffic with, to and from Radio Central AN/MRC-17 and other comm facilities via landline connections. Assembled by Norfolk NAVSHIPYD.	
AN/MGC-2	CENTRAL OFFICE, TTY	60,75 100	S/R	Neutral XMSN; 52 maximum lines terminated; KBD, mobile air transportable for world wide use. Capable of operating independently using wire lines or as a TERM. of point-to-point R-T system. (USAF)	CCTG
AN/MGC-2A	CENTRAL OFFICE, TTY	60 100	S/R	S/a AN/MGC-2, XCPT uses TT-98/FG in place of TT-70A/FG. (USAF)	CCTG
AN/MGC-3	TTY SET			Cancelled: This item will never be procured, stored, or issued. (USAF)	CCTG
AN/MGC-4	TTY SET			Cancelled: This item will never be procured, stored, or issued. (USAF)	
AN/MGC-5	TTY SET	60 100	S/R	Sprocket feed; perforates tape locally and sends from KBD. or tape XMTR. Ground mobile. C/o SER, KBD, TT-76/GGC-REPERF, TBL. (SIGC)	
AN/MGC-6	TTY SET	60, 75 100	S/R	A mobile air transportable cryptographic TTY set; sends msgs by means of punched tape; on-line or off-line enciphering and deciphering. (USAF)	CCTG
AN/MGC-6A	TTY SET	60 100	S/R	S/a AN/MGC-6, XCPT uses TT-98/FG in place of TT-70A/FG. (USAF)	CCTG
AN/MGC-7	CENTRAL OFFICE, TTY	60	S/R	A mobile TTY central office which serves as a multichannel carrier TLG TERM. and teletype switching control when used in Army Grid comm (SIGC)	
AN/MGC-9	CENTRAL OFFICE, TTY	60 100	S/R	A mobile TTY central office for switching 120 V-F TTY lines. This unit is mounted on M-211 or equal. The truck is not a component. (SIGC)	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/MGC-10	CENTRAL OFFICE, TTY	60 100	S/R	A mobile TTY operations central with complete TTY comm facilities for field Army comm center. C/o 7 REPERF XMTRS; 5 TTY; 12 TERM. TLG; and 1 interphone; plus accessories; depot assembled. (SIGC)	
AN/MGC-11	CENTRAL OFFICE, TTY	60 100	S/R	A mobile TTY operations central used as a tape relay switching center and preparation of multiaddress tape for Army grid comm systems. C/o 26 REPERF-XMTR; 1 TTY; 15 TERM, TLG; and 1 interphone; plus accessories. (SIGC)	
AN/MGC-12	CENTRAL OFFICE, TTY	60 100	S/R	Mobile-Air transportable; for control of assigning, switching, testing, and monitoring of comm CKTS; also provides for on-line crypto operation, TLG, and telephone carrier EQUIP. (USAF)	
AN/MGC-13	CENTRAL OFFICE, TTY	60 100	S/R	Mobile-Air; used for transmitting teletype msgs by means of punched tape, and receives on page PTR. or punched tape; enciphers and decipheres msgs at the same time the msgs are S/R. (Classified crypto EQUIP. is furnished by USAF in the field). (USAF)	
AN/MGC-15()	TTY OPERATIONS CENTRAL			Cancelled; Nomenclature never used. Replaced by Central Office, TTY AN/MGC-17. (SIGC)	
AN/MGC-16	CENTRAL OFFICE, TTY	60 100	S/R	U/W AN/MSC-29() and -30(), and SB-675/MSC mobile manual; for switching 120 V-F TTY lines by means of 9 ea SB-22() /PT. (SIGC)	
AN/MGC-17	CENTRAL OFFICE, TTY			Mobile manual, for switching 32 V-F TTY lines by means of 1 ea SB-22/PT. For cryptographic operation one TSEC/KW-9 EQUIP. is required. (SIGC)	
AN/MGC-18	TTY SET	60 100	S/R	Mobile; KBD, SER; A 28 VDC comm Page receiving KBD sending and tape perforating TTY set with TD for bench mounting. P/o AN/GRC-26. (SIGC)	
AN/MGC-19	CENTRAL OFFICE, TTY	60 100	S/R	U/w AN/MSC-29(), AN/MGC-9(), and SB-675()/MSC. Mobile, TTY operations central used as a tape relay switching center; prepares multiaddress tape. (SIGC)	
AN/MGC-20	CENTRAL OFFICE, TTY	60 100	S/R	Mobile-adaptable for air transportable without being removed from truck. Handles all incoming and outgoing teletype msgs (coding and decoding). Classified crypto EQUIP. supplied by USAF in the field. U/w AN/MSC-33() and AN/MTA-6(). (USAF)	CGA

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/PGC-1	TTY SET	60	S/R	C/o TT-4/TG, case, bag and engine generator; lightweight, friction, SER, (for tactical use). 20, 60 ma neutral w/o relay. (SIGC)	CCTB-M100
AN/PGC-2	TTY SET	60	S/R	(For tactical use) voice FREQ 60 ma neutral. C/o TT-190/FGC and TLG telephone TERM. SER. (SIGC)	CTF
AN/PGM-1	TEST SET, TLG			For field test and preventive maintenance of TLG TERM set AN/FGC-5. (NAVY)	CAIU-PEC-711 CTT-EMTS-200
AN/PGM-1A	TEST SET, TLG			General purpose test set which supplies a monitored output voltage, or measures external dc voltage. Operating range: 175 to 275 vdc. The sensitivity is 1,000 ohms per volt, and the accuracy is two percent at full scale. The set is enclosed in a smooth-finish, steel housing and is furnished without a carrycase. AN/PGM-1A is functionally and electrically interchangeable with AN/PGM-1. XCPT repair parts differ. Power input: 115 V, 50/60 cps, 1-ph. (NAVY)	CCXN
AN/SCA-1 (XN-1)	TERM GROUP, TLG			AN/SCA-1(XN-1) connects automatically and manually to control, test, process, encrypt, decrypt, diversify, subdivide, and channel messages translated to electrical form between the subscriber subsets and the r-f EQUIP. This unit is to be used in conjunction with Comm. Central AN/SRC-16(XN-1) and Subscriber Group, TTY-Voice AN/SSA-24(XN-1), AN/SSA-25(XN-1) and AN/SSA-26(XN-1). It is secondary TERM EQUIP. This unit is p/o TERM Set, TLG AN/SSC-1(XN-1), and is u/w, but not p/o, Data TERM Set AN/SSQ-29(XN-2) and Comm. Central AN/SRC-16(XN-1), AN/SRC-18(), and AN/SRC-19(). C/o Channeling EQUIP and Automatic switching EQUIP. Power input: 115V ±10%, 400 cps ±5%, 3-ph or 1-ph, and 440 V ±10%, and cps ±5%, 3-ph. (NAVY)	COL
AN/SGA-1	TTY GROUP			TTY system (off-line) for use with classified comm. EQUIP. C/o XMTR DISTR, Rack, MT-1679/SGA-1, CSP-2699, Switching Unit, CSP-3333, Power Supply, CSP-3334, TTY TT-69A/UG, REPERF TT-159/FG, Mixing REP Unit SSM-3 XMTR DISTR TT-57/UG. (NAVY)	
AN/SGA-2	TTY GROUP			This EQUIP is for the TTY system (off-line) for use with classified comm. EQUIP. No other information available. Complement data is the s/a AN/SGA-1, XCPT this set uses the MT-1680/SGA-2 instead of the MT-1679/SGA-1 and the SSM-33 instead of the SSM-3. (NAVY)	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/SGA-3	TTY CODE GROUP			Off-line TTY code group for use with classified comm. EQUIP. AN/SGA-3 is u/w, but not p/o TSEC/KL-47 or TSEC/KL-29. Power input: 115 V, 60 cps, 1-ph, 110 W. C/o Control Converter TSEC/HL-2, PERF-REPERF TT-253/UG, Tape Reader TSEC/HL-1B, Power Supply PP-1767/UG, TTY TT-234/SGA-3. Complement is not stocked as AN/SGA-3, they are stocked by components. (NAVY)	CTT
AN/SGA-3A	TTY CODE GROUP			Specifically designed to process classified messages automatically on an off-line basis. AN/SGA-3A is u/w, but not p/o, TSEC/KL-47 or TSEC/KL-29. C/o Control Converter TSEC/HL-2, Tape Reader TSEC/HL-1B, Power Supply PP-1767/UG, TTY TT-234A/SGA-3 REPERF XMTR, TTY TT-159/UG. (NAVY)	CTT-Spec. ZCC200, Converter REC-49 Power Supply
AN/SGA-4()	TTY GROUP			Provides mounting facilities for accommodating the various units in a compact set for operational passing and handling of classified comm. traffic. Specifically used in classified comm. centers with on- and off-line CKTS in handling traffic. U/w XMTR DISTR CSP-2699 (2 each). C/o 2 ea TT-57/FG; 1 ea TTY Mixer SSM-33; 2 ea PP-1646/UG; 2 ea MT-1951()/SGA-4; 1 ea MT-1952()/SGA-4; 2 ea TT-69A/UG or TT-176/UG; 1 ea TT-159/UG; 1 ea TT-103/FG or TT-159/UG with table (TTY Model XRT 119); 1 ea C-2192/UG; 1 ea SA-561()/UG; 1 ea SB-6/GG. (NAVY)	
AN/SGA-5	TTY CODE GROUP			Provides facilities to automatically process classified messages on an off-line basis. Off-line TTY code group for use with classified comm. EQUIP. U/w but not p/o TSEC/KL-47. C/o 1 ea of the following: Electrical EQUIP Cabinet CY-2739/SGA-5; Tape Reader TSEC/HL-1B (Modified); Power Supply PP-1010/UG; TTY TT-176/UG; REPERF-TTY TT-279/UG. (NAVY)	
AN/SGC-1	RADIO TELETYPE TERM SET			Converts teletypesignals to tones 700 cycles mark. Converts tones to teletype signals 500 cycles space. Production nomenclature DP#1582. (NAVY)	CRL
AN/SGC-1A	RADIO TELETYPE TERM SET			Interchangeable with AN/SGC-1, maintenance parts are not the same. (NAVY)	CRL
AN/SGC-2	TTY SET	60	S/R	Shipboard use; c/o TT-9/FG; TT-57/FG, TBL, RECT, TYPG unit, base, SYN: uses M-15 page PTR unmodified; similar to AN/FGC-9, XCPT SYN. (NAVY)	CTT-M19 (modified)

JAN Designation	Description	Speed K/PM	Type	Remarks and Major Components	Commercial Designation
AN/SGC-3	TTY SET	60	S/R	Fixed shipboard; similar to AN/FGC-11, XCPT TYPG unit uses M-15 page PTR unmodified. C/o TYPG unit, KBD, TBL, TD, RECT, and SER. (NAVY)	CTT-M19 (modified)
AN/SGC-4	TTY SET	60	S/R	Fixed, shipboard; TTY Set AN/FGC-10 (modified by San Francisco Navshipyd). C/o base, KBD, TYPG unit, TBL, and SYN. (NAVY)	CTT-M15 (modified)
AN/SGC-5	TTY SET	60	R/O	Fixed, shipboard; TTY Set AN/FGC-13 (modified by San Francisco Navshipyd). C/o TYPG unit, base, and SYN. (NAVY)	CTT-M15 (modified)
AN/SRC-16(XN-1)	COMM. CENTRAL			This set is the RF EQUIP which forms p/o the Naval Tactical Data System (NTDS) and the High Capacity Communications System (HCCS); it is a surface shipboard installation. This EQUIP is "splashproof" and cooled with 70° ±5° water. It is rack mounted and does not require back or side access for servicing or maintenance. The system shall not exceed a volume of 150 cubic feet nor a height of 6 feet. XCPT for the Type B amplifiers, this EQUIP shall provide simultaneous and independent operation of four CKTS, each of which shall be of simplex or full duplex operation on any FREQ within the range of 2 to 30 mc. The EQUIP is u/w, but is not p/o, TERM Set, TLG AN/SSC-1(XN-1), and Data TERM Set AN/SSQ-29(XN-2). Power input: 115 V, 60 cps, 1-ph, and 440 V, 60 cps, 3-ph. C/o 4 ea Linear power amplifier units, 4 ea FREQ generator units, 4 ea RF translator units, 4 ea AF translator units, 2 ea Radiated power control and receiver attenuator units, 1 ea Antenna multicoupler unit, 2 ea Linear power amplifier units (Type B), 2 ea Primary FREQ standard units, 1 ea Operating console, 1 ea Programmed test unit, 2 ea Antenna switching and patching units. (NAVY)	COL
AN/SRC-18()	COMM CENTRAL			The description for Comm. Central AN/SRC-16(XN-1) also applies to AN/SRC-18() with the following exception. XCPT for the Type B amplifiers, the EQUIP shall provide simultaneous and independent operation of three CKTS, each of which shall be of simplex or full duplex operation on any FREQ within the range of 2 to 30 mc. C/o 3 ea Linear power amplifier units, 3 ea FREQ generator units, 3 ea RF translator units, 3 ea AF translator units, 2 ea Radiated power control and receiver attenuator units, 1 ea Antenna multicoupler unit, 2 ea Linear power amplifier units (Type B), 2 ea Primary FREQ	COL

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				standard units, 1 ea Operating console, 1 ea Programmed test unit, 2 ea Antenna switching and patching units. (NAVY)	
AN/SRC-19()	COMM CENTRAL			The description for Comm. Central AN/SRC-16 (XN-1) also applies to AN/SRC-19() with the following exceptions. XCPT for the TYPE B amplifiers, the EQUIP shall provide simultaneous and independent operation of two CKTS, each of which shall be of simplex or full duplex operation on any FREQ within the range of 2 to 30 mc. The entire system shall not exceed a volume of 125 cubic feet nor a height of 6 feet. C/o 2 ea Linear power amplifier units, 2 ea FREQ generator units, 2 ea RF translator units, 2 ea AF translator units, 1 ea Radiated power control and receiver attenuator unit, 1 ea Antenna multicoupler unit, 1 ea Linear power amplifier unit (Type B), 1 ea Primary FREQ standard unit, 1 ea Operating console, 1 ea Programmed test unit, 1 ea Antenna switching and patching unit. (NAVY)	COL
AN/SSA-24(XN-1)	SUBSCRIBER GROUP, TTY-VOICE	60, 75, 100	S/R	This is primary TERM EQUIP, operated by the message originator or receiver and is capable of transmitting and receiving simultaneously. One high quality voice CKT will be available to each subscriber group. The TTY shall be capable of 60 to 100 WPM using the standard 7-element Baudot code and have "key-caps" and one tape PTR of WX type arrangement. This unit is to be used in conjunction with TERM Group, TLG AN/SCA-1(XN-1) and is a p/o TERM Set, TLG AN/SSC-1(XN-1). It is also u/w, but not p/o Data TERM Set AN/SSQ-29(XN-2) and Comm. Central AN/SRC-16(XN-1), AN/SRC-18(), and AN/SRC-19(). Power input: 115 vac, 400 cps, 1-ph and vd. C/o TTY Set AN/UGC-11(XN-1) and Subscriber Group, Voice OA-2576(XN-1) SSA. (NAVY)	COL
AN/SSA-25(XN-1)	SUBSCRIBER GROUP, TTY-VOICE	60, 100	S/R	This is primary TERM EQUIP, operated by message originator or receiver. The group is capable of transmitting and receiving simultaneously. One high quality voice CKT is available to each subscriber group. Voice operating power requirements are 28 vdc. TTY capabilities: 60 and 100 WPM; standard 7-element Baudot code; "key-caps", and one tape PTR of WX type arrangement. This unit is p/o Term Set, TLG AN/SSC-1(XN-1) and it is u/w but not p/o Data Term Set AN/SSQ-29(XN-2) and Comm. Central AN/SRC-16(XN-1), AN/SRC-18(), and AN/SRC-19(). Power input: 115 vac, 60 cps, 1-ph, and 115 vdc. C/o TTY TT-242/UG (KBD with switch), REPERF, TTY TT-192A/UG,	COL

JAN Designation	Description	Speed W PM	Type	Remarks and Major Components	Commercial Designation
				DISTR-XMTR, TTY TT-187A/UG, TTY TT-284/UG (R/O), Subscriber Group, Voice OA-2576(XN-1)/SSA. (NAVY)	
AN/SSA-26 (XN-1)	SUBSCRIBER GROUP, TTY-VOICE	60, 100	S/R	This is primary TERM EQUIP, operated by message Originator or receiver. The subscriber group is capable of transmitting and receiving simultaneously. One high quality voice CKT will be available to each subscriber group. Voice operating power requirements are 28 vdc. The TTY has "key-caps", and one tape PTR of WX type arrangement. This unit is p/o TERM Set, TLG AN/SSC-1(XN-1). It is u/w, but not p/o Data TERM Set AN/SSQ-29(XN-2) and Comm. Central AN/SRC-16(XN-1), AN/SRC-18(), and AN/SRC-19(). Power input: 115 vac, 60 cps, 1-ph and 115 vdc. The TTY is capable of 60 and 100 WPM, using the standard 7-element Baudot code. C/o TTY AN/UGC-6 (Government furnished EQUIP), and Subscriber Group, Voice OA-2576(XN-1)/SSA, which c/o Loudspeaker, Power Supply (28 v, 1 amp), Dynamic handset, Hookswitch, Microphone amplifier, and TTY TT-261/UG. (NAVY)	COL
AN/SSC-1 (XN-1)	TERM SET, TLG			AN/SSC-1(XN-1) subdivides a single voice band of a duplex voice radio network into subcarrier TLG links. Automatic switching provides random access to such links and selects addressed subscriber groups through the use of Baudot coded addresses. The several subscriber groups function as normal TTY KBD's and page PTR's, plus various paper or magnetic message storage facilities. In addition, the TERM set provides party line voice TERM's for a second voice band of the associated radio network. The set is u/w but not p/o Data TERM Set AN/SSQ-29(XN-2), Comm. Central AN/SRC-16(XN-1), and Operations Central AN/SYQ-1(V) thru AN/SYQ-4(V). C/o TERM Group TLG AN/SCA-1(XN-1), Subscriber Group TTY-Voice AN/SSA-24(XN-1), Subscriber Group, TTY AN/SSA-25(XN-1) and 3 ea Subscriber Group, TTY-Voice AN/SSA-26(XN-1). (NAVY)	COL
AN/SSQ-29 (XN-2)	DATA TERM SET			This is a service test model of a communication Term System which, in functioning as a connecting link between suitable radio FREQ EQUIP and digital computers, will provide a data XMSN system which will form an integral p/o the Naval Tactical Data System (NTDS). The system shall not exceed a volume of 72 cubic feet. It shall have positive air circulation cooling system and be enclosed to "splashproof" requirements. The operating panel shall be capable of being remotely located up to a distance of 200 feet. This EQUIP is to be u/w but is not p/o Comm. Central AN/SRC-16(XN-1), AN/SRC-18(), and AN/SRC-19() and Term Set,	COL

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				TLG AN/SSC-1(XN-1). Power input: 115V, 400 cps, 3-ph (Delta connected). C/o Multiplexing unit which c/o Multiplexer and Demultiplexer; Control Logic which c/o Buffer store, Data selector, Net program generator, and Program control; System monitoring and fault location which c/o System monitor and Fault locator. (NAVY)	
AN/TCC-1	TLG TERM SET			Note: Formerly TLG TERM. set AN/TGC-1. C/o TH-1/TCC-1. Portable 2-way TLG channel and 1 telephone channel over 1 telephone CKT. Replaced by AN/TCC-14. (SIGC)	
AN/TCC-2	CARRIER SYSTEM			A complete 100-mile spiral-four carrier system; provides 3 telephone CKTS and 4 V-F TLG CKTS. Two short dc (simplex) TLG CKTS. (USMC)	
AN/TCC-4	TERM, TLG			Comprises the EQUIP. required at one end of a CKT. Up to eight 2-way TLG channels on any 2-wire or carrier telephone CKT. (SIGC)	
AN/TCC-4A	TERM, TLG			Comprises the EQUIP. required at one end of a CKT to provide up to eight 2-way TLG channels on any 2-wire V-F or carrier telephone CKT. Functionally interchangeable w/AN/TCC-4 XCPT for components. (SIGC)	CFT-A1006830-1 (modified)
AN/TCC-14	TERM, TLG-TELEPHONE			U/w TTY Set AN/PGC-1; Permits simultaneous telephone and TTY service over a normal telephone CKT. To be replaced by AN/TCC-29. Replaces AN/TCC-1. (SIGC)	
AN/TCC-20	TERM, TLG			Provides facilities for up to four 2-way TLG channels or any 2-wire or 4-wire V-F or carrier telephone CKT. (SIGC)	CFT
AN/TCC-20A	TERM, TLG			Provides up to four 2-way TLG channels on any 2-wire or 4-wire V-F or carrier telephone CKT. Functionally interchangeable w/AN/TCC-20, XCPT components. (SIGC)	
AN/TCC-29	TERM, TLG TELEPHONE			A compact lightweight grouping of components employing transistors, which permits simultaneous telephone and TTY service over a normal telephone CKT. (SIGC)	
AN/TCC-30	TERM, TLG			A grouping of components employing transistors required at one end of a CKT to provide up to eight 2-way TLG channels on any 2-wire, 4-wire, or carrier telephone CKT. To replace AN/TCC-4; AN/FCC-7&8. EXPER. (SIGC)	

JAN Designation	Description	Speed		Remarks and Major Components	Commercial Designation
		W PM	Type		
AN/TCC-31	TERM, TLG			S/a AN/TCC-30, XCPT 4 or 8 TLG channels. (SIGC)	
AN/TCC-35	MULTIPLEXER SET			U/w forward propagation ionospheric scatter EQUIP. Provides multiplexing capability for the transmission of up to 16 teletype CKTS over a FREQ shift keyed radio. (USAF)	
AN/TGC-1	TTY SET	60	S/R	C/o 2 TYPG REPERFS, 1 multiple TD-MXD11 and 2 MXD10, 1 base, RECT, 4 relays, and SER. Replaced by AN/TGC-5() (SIGC)	CBBX-SC-1A or equal
AN/TGC-1A	TTY SET	60 100	S/R	S/a AN/TGC-1, XCPT 100 WPM - uses MXB-9. (SIGC)	CJB
AN/TGC-1B	TTY SET	60 100	S/R	Sprocket feed, SER. S/a AN/TGC-1 and 1A XCPT for maintenance parts. (SIGC)	CEE-SCD31245
AN/TGC-1C	TTY SET	60	S/R	Sprocket feed, SER; inter-changeable with previous models, maintenance parts are not the same. S/R and monitors TTY msgs on perforated and typed tape. (SIGC)	CMI-2500
AN/TGC-2()	TTY CENTRAL OFFICE			Nomenclature cancelled due to cancellation of project. (SIGC)	
AN/TGC-3	TTY SET	60	S/R	S/R on perforated typed tape. U/w AN/FGC-1 (on radio CKTS). C/o TYPG REPERF, TD, 2 REP, TBL, RECT, and SER.	CW-X66505A-1
AN/TGC-4	CENTRAL OFFICE, TTY	60	S/R	Semiautomatic tape relay system. C/o groups of EQUIP. wired together to form a system. Replaced by AN/TGC-5(), AN/FGC-30, and AN/FGC-38. (SIGC)	CBBX- or equal
AN/TGC-5	TTY SET	60,66 75, 100	S/R	Lightweight; sprocket feed; 11/16" or 7/8" tape; mounted in two consoles; tom tape switching EQUIP. C/o 2 REPERF; multiple tape XMTR, SYN. (SIGC)	CCTB-179
AN/TGC-5A	TTY SET	60,66 75, 100	S/R	Lightweight; sprocket feed; 11/16" or 7/8" tape; 115 vdc only; console switching controls; SYN. (SIGC)	CCTB-179A, Ref 90235
AN/TGC-5X	TTY SET	60,66 75, 100	S/R	S/a AN/TGC-5 XCPT SER. (SIGC)	CCTB-180
AN/TGC-5AX	TTY SET	60,66 75, 100	S/R	S/a AN/TGC-5A, XCPT ac-dc 100 v, SER, and console switching controls are different. (SIGC)	CCTB-180A, Ref. 90236A

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/TGC-6	TTY SET	60,66	S/R	Ultra-lightweight for tactical use. S/a AN/PGC-1 XCPT includes engine generator. (SIGC)	CCTB
AN/TGC-7	TTY SET	66	S/R	Portable; 30-key European KBD; SER page PTR. C/o TT-173()/TG; bag, cases, plus accessories. (SIGC)	CCTB
AN/TGC-7A	TTY SET	66	S/R	Portable; European KBD; SER, page PTR. C/o TT-173A/TG, CY-694/PGC-1, bag, cases, plus accessories. (SIGC)	CCTB-Ref. 90121A
AN/TGC-8()	TTY SET			Cancelled, reassigned TTY Set AN/GGC-5(). (SIGC)	
AN/TGC-9	CENTRAL OFFICE, TTY	60	S/R	Air transportable messagecenter, for handling all incoming and outgoing msgs (coding and decoding them); facilities for classified crypto EQUIP. to be supplied by security services in the field. P/o AN/TSC-1. (USAF)	
AN/TGC-10	CENTRAL OFFICE, TTY	60	S/R	A TTY exchange having facilities for switching 12 V-F TLG lines. Provides operators TTY and TERM EQUIP. (SIGC)	
AN/TGC-11	CENTRAL OFFICE, TTY	60 100	S/R	Handles all incoming and outgoing teletype msgs (coding and decoding them); classified crypto EQUIP to be furnished by security services in the field. U/w AN/TSC-2& () and AN/TTA-2. (USAF)	CGA
AN/TGC-12	TTY SET	60,66 75, 100	S/R	7.00-unit code, sprocket feed, SYN, 115 v, 60 cps, ac, 11/16" and 7/8" tape, plus other special features and accessories. Console switching controls; lightweight. (SIGC)	CCTB-90237A
AN/TGC-12X	TTY SET	60,66 75, 100	S/R	S/a AN/TGC-12 XCPT ac-dc 110 v, 60 cps and different console switching controls. (SIGC)	CCTB-90231A
AN/TGC-13	TPRSET	750	S/R	This EQUIP is transistorized and will provide high speed (750 wpm) TTY and data comm. It will have error detection capability and shall be capable of SYN operation. Baudot or Fielddata coded paper tape will be sensed by the XMTR-DISTR and the coded information will be transmitted through existing TERM EQUIP to be recorded on paper tape by the receiving REPERF. C/o TT-195()/FG and TT-191()/FG. (SIGC)	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/TGC-14 (V)	TTY SET		S/R	Portable, tactical, SYN or SER page PTR with standard comm. KBD, English characters, 76 characters per line and friction feed. For general purpose use, transportable field use, or Fixed-plant use, depending upon required operational case and applicable power supply kit and motors. By addition of motive power kit, KBD may be removed. It is miniaturized, self-contained, including interchangeable motors, power supplied, line sensors, heating elements, and Carrying Case, TTY CY-2976/PG for field use, or Case, TTY CY-2977/UG for fixed-plant use. C/o TTY TT-297/UG, KBD-XMTR, TTY TT-318/UG, Variable-Motor, AC PD-82/U (115V, 60 cps, 1-ph), Variable-Motor, AC PD-83/U (115V, 400 cps, 1-ph), Variable-Power Supply Kit, AC MK-539/UG, Variable-Power Supply Kit, DC MK-540/UG (Motor, DC-85/U is p/o MK-540/UG, 26 vdc), Variable -CY-2976/PG, Variable-CY-2977/UG.	CCVS
AN/TSC-15	RADIO TTY SET		S/R	This set is for general purpose use. It provides communications for aviation and ground units. XMTR data: AM, (Upper) SSB, (Lower) SSB, and DSB, 1 kw PEP or 100 PEP, 2 to 30 mc, 1 band, 28,000 channels. Receiver data: AM, (Upper) SSB, (Lower) SSB, DSB, and CW, 2 to 30 mc, 1 band, 28,000 Channels. This set is similar to Radio Set AN/ARC-58, xcpt it includes one extra Receiver R-761/ARC-58 and TTY EQUIP mounted in 3/4-ton helicop hut. Power input: 115V, 380-420 cps, 3-ph (line to neutral). C/o 2 ea Radio Receiver R-761/ARC-58, 1 ea Radio XMTR T-605/ARC-58 Radio Set Control C-1939/ARC-58, Antenna Coupler Control C-1940/ARC-58, Antenna Coupler CU-523/ARC-58, Vane-axial Fan HD-277/U, Mounting MT-1698/U, MT-1699/U, MT-1700/U, and MT-1728/U, Converter-Oscillator CV-519/ARC-58, TTY Set AN/GGC-3, TTY Control, Clock TD-15, Fire extinguisher, Shelter 3/4-ton (Craig Model 104 Helicop hut), Diesel Generator PU-345/U. (USMC)	COL
AN/TXC-1	FAX SET		S/R	C/o TT-1()/TXC-1 transceiver, RECT-PP-86()/TXC-1. S/R pictures, maps, msgs 12" x 18" copy. (Voice CKT required.) (SIGC)	CACA-W28-004-SC-521
AN/TXC-1A	FAX SET		S/R	C/o TT-1A/TXC-1, RECT, TBL and supplies. Wire or radio lines. Copy 12" x 18". (SIGC)	CACA
AN/TXC-1B	FAX SET		S/R	S/o AN/TXC-1A, XCPT has external speaker, redesigned TBL, and RECT. For wire or radio lines. (SIGC)	CACA

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/TXC-1C	FAX SET		S/R	C/o TT-1()/TXC-1, photographic EQUIP PH-549/TXC-1, RECT, TBL, copy 12" x 18". Wire or radio lines. Operates at 60 rpm and 30 rpm w/provisions for other speeds. (SIGC)	CACA - Model TXC
AN/TXC-1D	FAX SET		S/R	C/o TT-1F/TXC-1, RECT. Copy 12" x 18". Wire or radio lines. Operates at 60 rpm and 30 rpm. (SIGC)	CACA - Model 34E TXC
AN/TXC-2	FAX SET		S/R	C/o receiver and XMTR, multi-stylus recording (100 styli to the inch). Wire or radio lines, bandwidth 14 kc. Transmits black and white graphic data. (USAF)	
AN/TXC-3	FAX SET		S/R	C/o receiver and XMTR, bandwidth 4 kc; black and white copy; transmission time is 30-40 square inches per minute. (USAF)	
AN/UCC-1	TERM, TLG		S/R	AN/UCC-1 is a FREQ diversity, TLG or data TERM. CBVV It sends and receives composite, V-F, carrier TLG signals (FREQ shift) for use on wire lines or V-F (300-3000 cps) radio CKTS. The TERM has Two Selectable modes of operation. It can provide eight narrow-band (low speed), FREQ diversity channels, or two wideband (high speed), and four narrow-band (low speed), FREQ diversity channels. Power input: 115V, 50/60 cps, 1-ph, 140 w. Keying rate: 80 bits per second, per channel for narrow band, and 200 bits per second, per channel for wide band. Modulation: ±42.5 cps deviation for narrow band, and ±85 cps deviation for wide band. Channel bandwidth: 85 cps for narrow, and 170 cps for wide. FREQ stability: ±3 cps for mark and space FREQ on all channels, under all operating conditions. Transmit unit input: 20/60 ma neutral signal: 120 vdc from loop battery is supplied from XMTR; 30 ma polar signal 120 vdc from loop; 800 ohms input resistance at 60 ma, and 2400 ohms at 20 ma. Transmit/Receive unit input/output: 600 ohms impedance to all units. Receive unit output: 20/60 ma neutral signal, negative side grounded with loop supply or either side grounded with receiver supply. (NAVY)	
AN/UGA-1	TERM GROUP, TLG			For specific use with TLG TERM Set AN/UGC-3 in a fixed-station operation. The transistorized AN/UGA-1 provides facilities for the operation of AN/UGC-3 with Radio EQUIP AN/UGC-29. The transmitting group accepts a neutral sequential signal of information such as provided by the 16-channel AN/UGC-3. The sequential signal is then converted, and retransmitted on 16 individual channels of information and combines them into a neutral sequential signal that can be utilized by the AN/UGC-3. AN/UGA-1	CTT

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				can change a high speed sequential signal into multiple low speed signals that can be transmitted over conventional radio TTY facilities, in addition to receiving CKTS for converting multiple low speed signals into a high speed sequential signal. C/o 1 ea Cabinet CY-3002/UG, 16 ea Output Code Converter CV-1030/UGA-1, 1 ea Input Demultiplexer TD-428/UGA-1, 1 ea Output Multiplexer TD-429/UGA-1, 1 ea Power Supply PP-2758/UG, 16 ea Input Code Converter CV-1029/UGA-1. Power input: 115 V±10%, 50/60 cps ±5%, 1-ph, 1.6 amps, 140 W. (NAVY) For use with standard 60-speed TTY XMTR-DISTR's.	
AN/UGA-2()	SWITCHING GROUP, TTY			This set is a remotely controlled automatic numbering and switching group which generates and transmits at 360 opm specified TTY routing formats. Designed to operate from two TTY XMTR-DISTR's without operator attention. Inserts message numbers in the outgoing signals; usable with cryptographic TTY EQUIP. C/o Switching unit, TTY, which contains the necessary relays; Cam sleeves and power supply. Designed for rack mounting. Operating Power: 115V, 60 cps, 1-ph; will operate on 20- or 60-ma, 120 vdc TTY loop CKTS. (NAVY) Mfr: U.S. Naval Security Engineering Facility, Wash. 25, D.C.	
AN/UGA-3 (XN-1)	CONVERTER-SHIFT REGISTER GROUP			This set was formerly known as CMP-18. It will accept 1000 cps audio output from a radio receiver (International Morse code) and convert it to dc TTY signals which can be connected to TTY EQUIP. Dc loop to be supplied from an external source. AN/UGA-3(XN-) is u/w but not p/o TTY TT-242/UG, PERF-REPERF, TYPG TT-253/UG, TTY TT-47/UG, etc. and Receiving Set, Radio AN/BRR-3, AN/SRR-11, etc. C/o Code converter and Static rejector. Power input: 115V, 60 cps, 1-ph, 120 W. No. of channels: One. Input impedance: 600 ohms. (NAVY)	CBTA
AN/UGC-1	TERM, TLG			Multiplexing data: time division type; 2, 3, or 4 channels, CTT-Model II, Multiples 60, 75, or 100, WPM; two wire line termination: ac-dc loops; switch selection. This EQUIP is a transistorized equivalent of the AN/FGC-5, signal speeds and coding are identical. Power required: 115 v, 50-60 cps, 1 ph. (NAVY)	
AN/UGC-2	TERM, TLG			U/w KY-58/GRT; Navy Model RBC. This EQUIP makes possible a 2-channel radio CKT whereby two non-SYN (or SYN) TLG transmissions modulate a single radio carrier wave by causing it to assume one of four specific FREQ at 400-cycle intervals. It provides demultiplexing	CNR

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				input frequencies of 1955 cps, 2355, 2755, and 3155 cps. The keying speed is 240 WPM. Power required: 110-220 v, 50-60 cps. (NAVY)	
AN/UGC-3	TERM, TLG			This EQUIP. is a transistorized 16-channel TTY time division multiplex EQUIP. utilizing components and techniques used in the 4-channel EQUIP. (AN/UGC-1). U/w radio or wire link, and AN/UGA-1. Channel speed: 60, 75, or 100 WPM. Power required: 115 v, 60 cps, 1 ph. (NAVY)	CTT
AN/UGC-4	TTY SET	60 66, 75, 100	S/R	SER page PTR, with standard comm. KBD. C/o TTY CCTB-Model TT-98B/FG and Power Supply PP-978/FG. Type of code: 7.42 unit code. Operating Power 110 V, 60 cps, 1-ph; and 110 vdc. (SIGC)	90400A-35.10
AN/UGC-5	TTY SET	60	S/R	C/o Electrical Service unit, SYN, PERF (page PTR), capable of 75 and 100 WPM operation; TYPG unit, KBD - XMTR, base unit, TD, cabinet. (NAVY)	CTT-M28 ASR
AN/UGC-5A	TTY SET	60	S/R	AN/UGC-5A is mechanically and electrically one-way interchangeable with TTY Set AN/UGC-5, except it includes a modified TYPG Unit, TTY MX-2984/UG which adds AGH stunt box features. SYN page PTR with standard comm. KBD, and is a friction fed EQUIP. It prints 72 characters per line. Power input: 115 vac, 60 cps, 1-ph and 115 vdc. C/o Base Unit, TTY MT-2099/UG; Cabinet, Electrical EQUIP CY-2529/UG; DISTR-XMTR, TTY TT-251/UG; KBD-XMTR, TTY MX-2643/UG; Motor, AC PD-67/U (SYN); Panel, Power Distribution SB-959/UG; Perforator, TTY TT-252/UG; and TYPG Unit TTY MX-2984/UG. This set is capable of 75, and 100 WPM operation. (NAVY)	CTT-M28 ASR
AN/UGC-5AX	TTY SET	60	S/R	AN/UGC-5AX is mechanically and electrically one-way interchangeable with TTY Set AN/UGC-5X, xcpt it includes a modified TYPG Unit, TTY MX-2984/UG Which adds ADH stunt box features. SER page PTR with standard comm. KBD. It prints 72 characters per line and is friction-fed EQUIP. It is capable of 75 and WPM operation. Complement data is the s/a AN/UGC-5A, xcpt it uses Motor, AC PD-77U (SER). Power input: 115 vac, 60 cps, 1-ph and 115 vdc. (NAVY)	CTT-M28 ASR
AN/UGC-5X	TTY SET	60	S/R	Uses new M28 units; console, capable of 75, 100 WPM operation. S/a AN/UGC-5, XCPT SER. (NAVY)	CTT-M28 ASR
AN/UGC-6	TTY SET	60	S/R	Capable of 75 and 100 WPM operation, uses new M28 units; page PTR. S/a AN/UGC-5, XCPT AN/UGC-6 includes a auxiliary TYPG REPERF TT-266/UG (NAVY)	CTT-M28 ASR

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/UGC-6A	TTY SET	60	S/R	AN/UGC-6A is mechanically and electrically one-way interchangeable with TTY Set AN/UGC-6, xcpt it includes a Modified TYPG Unit, TTY MX-2984/UG which adds AGH stunt box features. SYN page PTR with standard comm. KBD. It prints 72 characters per line, and is friction fed EQUIP. It is capable of 75 and 100 WPM operation. C/o Base Unit, TTY MT-2099/UG; Cabinet Electrical EQUIP. CY-2529/UG; DISTR-XMTR, TTY TT-251/UG; KBD-XMTR, TTY MX-2643/UG; Motor, AC PD-67/U (SYN); Panel, Power Distribution SB-959/UG; PERF, TTY TT-252/UG; TYPG Unit, TTY MX-2984/UG; REPERF, TTY TT-266/UG; Base unit, TTY MT-2234/UG Panel, Power Distribution SB-1061/UG; and Motor, AC PD-17A/U (SYN). Power input; 115 vac, 60 cps, 1-ph and 115 VDC. (NAVY)	CTT-M28 ASR
AN/UGC-6AX	TTY SET	60	S/R	AN/UGC-6AX is mechanically and electrically one-way interchangeable with TTY Set AN/UGC-6X, xcpt it includes a modified TYPG Unit, TTY MX-2984/UG which adds AGH stunt box features. SER page PTR with standard comm. KBD. It prints 72 characters per line, and is friction fed EQUIP. It is capable of 75 and 100 WPM operation. The complement data is the s/a AN/UGC-6A, xcpt it uses Motor, AC PD-77/U (SER). Power input: 115 vac, 60 cps, 1-ph and 115 vdc. (NAVY)	CTT-M28 ASR
AN/UGC-6X	TTY SET	60	S/R	S/a AN/UGC-6, XCPT SER. (NAVY)	CTT-M28 ASR
AN/UGC-7	TTY SET	60	S/R	Capable of 75 and 100 WPM operation. C/o SYN, console, WX, page PTR, KBD, TYPG unit, TYPG PERF, TD, and electrical service unit. (NAVY)	CTT-M28 ASR
AN/UGC-7X	TTY SET	60,75 100	S/R	S/a AN/UGC-7, XCPT SER. (NAVY)	CTT-M28 ASR
AN/UGC-8	TTY SET	60,75 100	S/R	C/o KBD, WX, SYN, TD, page PTR, TYPG PERF, base, console, electrical service unit, and TYPG REPERF. (NAVY)	CTT-M28 ASR
AN/UGC-8X	TTY SET	60,75 100	S/R	S/a AN/UGC-8, XCPT SER. (NAVY)	CTT-M28 ASR
AN/UGC-9	TERM, TLG			Half duplex, 115 v or 230 v, 50-60 cyc., single phase; dc loop (20 or 60 ma), neutral; transistorized version of AN/SGC-1; two space/mark FREQ options: 500/700 cps, 1225/1325 cps.	CRL

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/UGC-10	ROUTING SET, TTY	60, 75, 100	S/R	AN/UGC-10 is u/w but not p/o TTY Sets AN/FGC-38, -38A, -38X, -38AX, -39, and 39A. This EQUIP performs routing line segregation semiautomatically in the process of producing TTY message tapes required at semiautomatic relay stations for relay of multiple address messages of each 10 additional addresses. Power input: 115 V, 60 ±0.5 cps, 1-ph. C/o 1 ea Control, Routing Set C-3128/UGC-10; 2 ea Base Unit, TTY MT-2272/UG; 4 ea DISTR-XMTR TTY TT-277/UG; 2 ea DISTR-XMTR, TTY TT-278/UG; 6 ea REPERF, TTY TT276/UG; 6 ea Base Unit, TTY MT-2271/UG; 6 ea Motor, AC PD-17A/U (SYN); 1 ea Cabinet, Electrical EQUIP CY-2738/UG ea Panel, Power Distribution SB-1099/UG; 2 ea Relay, Armature (FSN N5945-234-8053); and 1 ea Power Supply PP-987/U. Ref. data: NAVSHIPS 93407. (NAVY)	CTT-M28 ASR
AN/UGC-11 (XN-1)	TTY SET		S/R	Fixed station, standard comm. KBD with English characters and the capability of having an interchangeable WX KBD. This set will print 72 characters per line, is friction fed, and has a SER motor. AN/UGC-11(XN-1) is p/o Subscriber Group, TTY-Voice AN/SSA-24(XN-1) and is u/w but is not p/o TERM Group TLG AN/SCA-1(XN-1). The set is p/o a high capacity comm. TERM system. C/o 1 ea Standard comm. KBD; 2 ea Page PTR; and Parallel storage unit. Operating Power; 115 vac, 400 cps, 1-ph, and 28 vdc. (NAVY)	CACH-Per COL Spec 123-3100-004
AN/UGC-12	TTY SET	60, 75, 100	S/R	A fixed station, general purpose EQUIP which transmits messages from a KBD and/or DISTR-XMTR; and it records received messages on page copy and/or perforated tape. It also prepares perforated tape from the KBD and/or XMTR-DISTR. The KBD is Standard comm., 76 characters per line (for TPR TT-298/UG and 556 55-299/UG) with 7.42 unit code. The EQUIP is friction fed. All components use SYN motors. TPR TT-298/UG and TTY TT-299/UG use Motor, AC PD-82/U; TYPG REPERF, TTY uses Motor, AC PD-17A/U. The KBD in the TTY can be switched to line (XMTR), prepare tape, or send and prepare tape. AN UGC-12 is used as a record comm. group. Power input: 115 V, 60 cps, 1-ph. C/o TTY TT-299/UG, TPR TT-298/UG, DISTR-XMTR, TTY TT-187/UG, TYPG REPERF, TTY TT-192/UG, Tone Adapter for AN/UGC-6, Control panels, and Writing shelf. (NAVY)	CCVS
AN/UGC-13	TTY SET	60, 75, 100	S/R	A fixed station, friction-feed EQUIP for specific use with a standard comm. KBD. SYN page PTR prints 72 characters per line, and has a 7.00 unit code. Power input: 115 vac, 60 cps, 1-ph, and 115 vdc. C/o Base Unit, TTY MT-2422/UG; Cabinet, Electrical EQUIP CY-3062/UG; DISTR-XMTR, TTY TT-	CTT-M28 ASR

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				311/UG; KBD-XMTR, TTY MX-3312/UG; Motor, AC PD-67/U; Panel Power Distribution SB-1227/UG; REPERF, TTY TT-316/UG; TYPG Unit, TTY MX-3311/UG; Motor, AC PD-17A/U; Corrector, Power Factor for PD-17/U and PD-17A/U; REPERF, TTY TT-315/UG. (NAVY)	
AN/UGC-14	REPERF-XMTR SET, TTY		S/R	AN/UGC-14 is a fixed-station EQUIP for specific use with English characters. It has a SYN motor and a 7.00 unit code. Power input: 115 vac, 60 cps, 1-ph, and 115 vdc. C/o 1 ea Cabinet, Electrical EQUIP. CY-3058/UG; 2 ea Reel Assembly, Tape RL-217/UG; 2 ea DISTR-XMTR, TTY TT-313/UG; 2 ea REPERF, TTY TT-314/UG; 2 ea Motor, AC PD-84/U; 2 ea Base Unit, TTY MT-2424/UG. (NAVY)	
AN/UGM-1	TEST SET, TTY			EXPER, provides for generation of test signals measurement of distortion, and testing of polar relays. C/o TS-799, TS-800, and TS-836. Replaces TS-2/TG, 1-193(), TS-383/GG, TS-658/UG, and TS-659/UG. (SIGC)	
AN/UGM-2	TEST SET, TTY			Provides means for the generation and distortion measurement and analysis of synchronous TLG transmission systems and equipments, such as time division, multiplex, and cryptographic systems. U/w AN/FGC-5(), AN/UGC-1(), AFSAM-22,26 and AFSAX-500 system. (SIGC)	
AN/UGM-3	TEST SET, TTY			This test set provides facilities for test and maintenance of start-stop and synchronous TTYS and associated gear. (SIGC)	
AN/URA-6	FREQ SHIFT			This set operates on FREQ shift keyed radio TLG signals, as derived from the IF CKTS of radio receivers, to provide keying facilities for operation of TTY PTR's or other similar automatic recording devices. Two receiving channels are used in a diversity arrangement, and the comparator selects the stronger signal to control the TTY loop and the keyed tone. AN/URA-6 is u/w two radio receivers and a standard or high speed TTY with loop power supply. U/w RBB, RBC, RDM series radio receivers or equivalent. FREQ range: 395-470 kc (Dual channel). Power output: Electron tube keyer for keying 60 ma TTY loop. Input impedance: 70 ohms, unbalanced. Power input required: 105/115/125 V, 1-ph, 60 cps, 240 W. C/o 2 ea FREQ Shift Converter CV-57/URR; 1 ea Comparator CM-14/URR; 1 ea Cabinet; 1 ea Set of interconnecting cables; 1 ea Panoramic Coupling Kit CN-10563; and 1 ea Set of EQUIP spares. (NAVY)	CRV

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/URA-7	FREQ SHIFT CONVERTER-COMPARATOR GROUP			The description for AN/URA-6 also applies to AN/URA-7 with the following exceptions. U/w RBP or RCP series radio receivers. FREQ range: 50 kc (Dual channel). Input impedance: 910 ohms, unbalanced. Tube complement also differs only in that the AN/URA-7 does not use 2 ea 6AB7. C/o 2 ea FREQ Shift Converter CV-71/URR; 1 ea Comparator CM-14/URR; 1 ea Cabinet; 1 ea Set interconnecting cables; and 1 ea Set of EQUIP spares. (NAVY)	CRV
AN/URA-8	FREQ SHIFT CONVERTER-COMPARATOR GROUP			Converts a FREQ shift signal into dc pulses to operate a TTY. Two receiving channels are used in a diversity arrangement with the comparator selecting the stronger signals to control the TTY loop and the keyed tone. C/o 2 FREQ Shift Converters CV-60/URR, and 1 Comparator CM-14/URR. (NAVY)	CKB
AN/URA-17	CONVERTER-COMPARATOR GROUP			This set c/o 2 ea Converter, FREQ Shift CV-483/URA-17. Each unit converts the FREQ-Shift-Keyed audio output from a receiver into keyed dc to operate a TPR keying relay. The unit accepts narrow-shift signals, shifted by 5 to 100 cps either side of a center FREQ of 1000 cps, and wide-shift signals, shifted by 100 to 500 cps either side of a center FREQ of 2550 cps. A switch is provided for reversing the mark-space polarities if required. Filtered dc signals are amplified and applied to a loop keyer which operates the loop-keyer relay of the TPR. The comparator is included in the circuitry of the unit, and dual diversity operation is provided by interconnecting two units. Clamps are provided for TBL mounting the two units, one above the other. Feet are provided to TBL mount a single unit. Rack-mounting brackets are provided for use with one or both of the units. AN/URA-17 is u/w but not p/o Radio Receivers RBA, RBB, or RBC. Power input: 105/115/125 V ±10%, 50-400 cps, 60 W. Input impedance: 600-ohm. FREQ range: 10-1000 cps. (NAVY)	CKB
AN/UXH-1	FAX RECORDER SET			Operates in conjunction with wire line EQUIP. To provide FAX reproductions of copy when transmitted by FAX transceiver TT-41()/TXC-1B or equal. (SIGC)	CBKH
AN/UXH-2	RECORDER SET, FAX			C/o RO-76/UXH-2, AM-1845/UXH-2, PP-1901/UXH-2, and EWS Image data: 19½" roll, direct reproduction. Operates at 60, 90, and 120 scans per min. (NAVY)	CACA-180-00-00-00
AN/UXH-3	RECORDER SET, FAX			Electromagnetic recording; 1800 cps carrier FREQ. Recording medium: cylinder, "cunico" magnetic alloy, 8" x 4-3/4" (image is transferred to paper). Scanning rate 1 line/second. (NAVY)	CG

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
AN/VRC-29	RADIO TTY SET		S/R	This is a radio set for XMSN and reception of FREQ shift radio teletype, AM voice and CW telegraphy. FREQ range: 0.5 to 32.0 mc. Reception: A1, A3, F1. Power required: 24 to 28 vdc. (SIGC)	
C-492/SG	CONTROL, XMTR-TTY			Controls associated radio XMTR and carrier (on andoff). Radio teletype control; u/w radio teletype. (NAVY)	
C-620/FGC-5	CONTROL-MONITOR			P/o AN/FGC-5; c/o chassis equipped w/all electronic components and front panel, etc. Dc amplifier with input CKT incl, switching facilities for selecting input signals. (NAVY)	CTT-EMXRU200BM
C-621/FGC-5	CONTROL-MONITOR			P/o AN/FGC-5; c/o chassis equipped w/all electronic components and front panel. Dc amplifier for keying receiving distr matrix with multiplex signals. (NAVY)	CTT-EMRRU200BM
C-764/UXC-2	CONTROL, TLG LINE			Type control: Automatic. Operating power 115 V, 60 cps, 1-ph. Metal case, with gray finish. Self Locking drawer in cabinet. P/o TLG Multiplex Set AN/UXC-2. Signal control to XMTR.	CBED-X-239
C-1004/SG	CONTROL, XMTR-TTY			Controls teletype EQUIP. and associated radio, XMTR. C/o XMTR power (on-off); enables transfer of associated TTY to S/R for general use. (NAVY)	CBTX
C-1004A/SG	CONTROL, XMTR-TTY			Transfers a TTY from a radio sending to a radio receiving CKT and vice versa; can replace C-1004/SG, but not vice versa. (NAVY)	CCTD
C-1004B/SG	CONTROL, XMTR-TTY			Controls a TTY radio CKT from a remote position. Provides the XMTR power on-off switch, indicator lamp for power and carrier-on, and 3-position rotary selector switch. (NAVY)	
C-1295/AGC-1	CONTROL, XMTR-TTY			Provides necessary switching to accomplish functions of AN/AGC-1 and 2. P/o AN/AGC-1 and 2. Airborne TTY Set. (USAF)	CCTB
C-1671(XN-1)/UGC	CONTROL, TLG LINE			This unit c/o two completely independent adapter units mounted on one panel. They are intended to be u/w multichannel tone EQUIP. Its purpose is to couple a four wire receive-transmit tone TLG system to a half duplex two wire DC TPR loop. Required signal CKTS: Neutral 70 ma (converter) receive line, 2000 ohms, positive grounded or floating; 100 K, 10 V min., or 240 ohms, 60 ma Keyer; two wire dc loop, 60 ma, 1500 ohms max., positive ground or floating. Signal speed: 61 WPM. Power source required 120 vdc, 75 ma, 100%	CBTB-Type 181, Model 1

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				keyed, regulation 10% max, floating or positive ground; 110/220 V, 50/60 cps, approx. 6 va. Mounting: Std. 19-inch rack. (NAVY)	
C-1853()	UG CONTROL, TTY			This unit turns TTY EQUIP on or off upon reception of a signal from the function box of the TTY page PTR. Includes switch to disable controls. Type control: Manual and Automatic; Receives power from TTY signal line. This unit mounts on side of rack or TBL. (NAVY)	
C-1913(V) FGC-44	CONTROL, TLG LINE			This unit demultiplexes 8 channels of TTY information. This output is squared and produced in ungrounded neutral current form. Type control: Automatic. Operating power: 115V, 48-62 cps, 1-ph; and +150 V and -150 V. (NAVY)	CBED
C-2192/UG	CONTROL, TTY			This unit provides a shunt across comm. sending line to prevent inadvertent XMSN of plain language. Type control: Manual and automatic. Operating power: 115 V, 60 cps, 1-ph; and 120 vdc. It is secured by bolts to associated TTY EQUIP. Fabricated by Norfolk Naval Shipyard for specific use. C-2192/UG is u/w, but not p/o AN/FGQ-1, SSM-33, AN/FGC-9 and AN/FGC-10. (NAVY)	
C-2215/ FGT-3	CONTROL, XMTR			This XMTR-TTY control, controls and allows XMSM of output of 2 TTY XMTR'S to TTY facilities. Type control: Automatic. Operating power: 130 vdc and 48 vdc. This unit is cabinet mounted. C-2215/FGT-3 is p/o AN/FGT-3. (USAF)	CW-Part/dwg No. GS-18088
C-2216/ FGT-3	CONTROL-INDICATOR			This control-indicator provides lamp indications for TTY channels, switching of channels to TTY PTRS, controls for routing messages and controls for load distribution. Operating power; 130 vdc and 40 vdc. C-2216/FGT-3 is p/o AN/FGT-3. (USAF)	CW-Part/dwg No. GS-18160
C-2217/ FGT-3	CONTROL, DISTR-XMTR			This control provides facilities for controlling the proper relays in TT-222/FGT-3 and TT-223/FGT-3 for XMSN of time (in minutes after the hour). Type control: Automatic. Operating power: 115 V, 60 cps, 1-ph. C-2217/FGT-3 is p/o TT-222/FGT-3 and TT-223/FGT-3. (USAF)	CW-Part/dwg No. GS-18093, Bell Tel. Spec. GI-18093
C-2228/ FGT-3	CONTROL, DISTR-XMTR			This unit controls the XMSN of test messages; also, provides information to the message composer control so that the message route may be selected. Type control: Manual. Operating power: 24 vdc. This unit is console mounted. C-2228/FGT-3 is p/o AN/FGT-3. (USAF)	CW-Spec. GI-18086

JAN Designation	Description	Speed		Remarks and Major Components	Commercial Designation
		WPM	Type		
C-2228A/ FGT-3	CONTROL, DISTR- XMTR			C-2228A/FGT-3 is similar to C-2228/FGT-3, differs only in the indicating lamp cap: colors have been changed to agree with standard functional colors. L2. This unit is p/o OA-2564/FSA-26. (USAF)	CW-Part/spec. No. GS-18086
C-2272/FG	CONTROL, TTY			This unit automatically controls or shifts to a cipher or text condition, both the send and receive stations of a TTY CKT used with classified comm. devices. Operating power: 115 V, 60 cps, 1-ph; and 120 vdc. To be manufactured by the Norfolk Naval Shipyard. C-2272/FG is u/w but not p/o AN/FGQ-1, AN/FGC-9 (Modified), and AN/FGC-10 (Modified). (NAVY)	
C-2273/ FGA-2	CONTROL, TTY			This unit provides automatic switching of TTY EQUIP'S for cipher or plain text XMSN on comm. CKT'S. Operating power: 115 V, 60 cps, 1-ph; and 120 vdc. It is rack panel mounted. C-2273/FGA-2 is u/w, but not p/o SSM-33, AN/FGC-9 (Modified), and AN/FGC-10 (Modified). (NAVY)	
C-2842/UG	CONTROL, TTY			This unit provides a shunt for comm. sending line, and indicates visually the sending condition of the line. Prevents inadvertent XMSN of plain text. Mounts on TTY EQUIP, wired in transmitting CKT. It is used with on-line systems. Visual indicator: automatic shunting. To be fabricated by a Naval Shipyard dwg (wiring) NAVSECENGFAC No. FSC-02227-67-277. Assembly and hardware is similar to C-2192/UG. Specific use: Joint military REP-Mixer TTY EQUIP groups. U/w AN/FGC-9, AN/FGC-10 when associated with TSEC/HW-19A mixers. Operating power: 115 V, 60 cps, 1-ph.	
C-3007/UG	CONTROL, TTY			This unit prevents TTY transmit line signals from reaching the receive line when both lines are connected to a REP-Mixer EQUIP until a predetermined time lapse has occurred for re-establishment of receive condition. Type control: Automatic. Operating power: 110-120 vdc. Mechanical limits: Relay operating at approx. 600 OPM. Used on four wire CKT'S, send and receive, for purpose of holding one line pair isolated from second line pair associated with TTY REP-Mixer units. It is u/w, but not p/o AN/FGQ-1 and AN/FGA-2. Mfr: U.S. Naval Security Engineering Facility Wash. 25, D.C.	
C-3138/ UGC-10	CONTROL, ROUT- ING SET			Performance characteristics: The control unit is an electrical device composed essentially of the switching, control, and sensing relays necessary to perform routing, line segregation and multiple reproduction of multiaddress tapes. Operating power: 115 V, 60 cps, 1-ph; and 115 vdc. It is p/o AN/UGC-10. (NAVY)	CTT-RLCU200BR

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
CM-14/URR	COMPARATOR			Used to compare and select the better of two signals received from FS converters providing dual diversity operation. Power input: 105/115V/125V, 50-60 cps, 1-ph. It is shock mounted for ship or bracket mounted for shore installation. (Std. 19-inch rack). CM-14/URR is p/o FS Converter-Comparator Group AN/URA-6(), and u/w FS Converter CV-57()/URR, CV-60()/URR or CV-71()/URR. (NAVY)	CRV-Navy spec. CS-723, and CS-730
CM-22A/ URA-8A	COMPARATOR, SIGNAL			Used with two FS converters to provide dual channel FREQ diversity of space diversity reception. FREQ range: 595-1785 cps. External controls c/o power switch, FREQ selector switch, FREQ level switch, threshold selector switch. Input: 105/115/125 V, 50-60 cps, 1-ph, 50W; Signal input; polar DC; Output: Keyed DC for operation of TPR. Input and output impedance: 600 ohms. P/o FREQ Shift Converter-Comparator AN/URA-8A. U/w, but not p/o Converter CV-89/URA-8A. (NAVY)	CKB-Navy Spec. MIL-C-15454 (SHIPS)
CM-32A/ FRR-24	KEYER, COM- PARATOR			Speed range: 0-500 WPM; electronically keyed; 6.3 vac at 6.3 amp, 300 V at 71 ma, minus 300 V at 3.9 ma. It has an external power supply. Receives the keyed DC pulses from any or all of the FREQ shift converters, combines and amplifies these pulses to a suitable level to key a TTY loop keyer. It has two channels, each is capable of receiving separate XMSM'S, in addition it can actuate one keyer for each channel. P/o Radio Receiving Set AN/FRR-37.	CNA-Part BM: 625, dwg. P572
CM-42()/ URR	COMPARATOR, SIGNAL			Used for diversity reception of FSK signals. It is p/o FS Converter-Comparator Groups AN/URA-12, and used in conjunction with dual operation of either 2 ea CV-60/URR, or CV-57/URR or CV-71/URR, or CV-227/URR. One output keys external 60 ma TTY loop CKT, the second output gives selectable audio tones of either 595, 765, 935, 1105, 1275, 1445, 1615, or 1785 cps of 12 mw level across 600 ohm loads for keying external telephone CKT's to operate other remote TTY'S. Provision for external audio tone between FREQ range of 595 to 1785 cps. Power input: 115 V, 50-60 cps, at 70W. (NAVY)	CRV-Part/dwg A-8897358-506-sub-15
CM-185/ UGC	COMPARATOR, SIGNAL			This unit is used in a dual diversity system, and is a p/o AN/FGC-60. Its diversity compares the signal outputs of two FS tonereceivers and then returns the diversity protected signal to one of the FS receivers for final shaping to drive the output load. FREQ data: 0 to 100 dot/sec. Type of indication: Meter. Operating power: 8 vac. Impedance data: 600 ohms input, and 10,000 ohms output. (NAVY)	CCVR-Model 110B

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
CV-57/URR	FREQ SHIFT CONVERTER			CV-57()/URR is used to convert Navy Model RBB/RBC or similar std. Navy receivers to receive FSK signals. It may be u/w Navy Model RBB/RBC and may be p/o FREQ Shift Converter-Comparator Group AN/URA-6(). The input from I. F. of associated receiver is fed into the FS converter which detects this and feeds keyed DC for operation of a TPR. Power input: 105V, 115V or 125V, 50-60 cps, 1-ph. It is shock mounted for ship or bracket mounted for shore installation (std. 19-inch rack). Signal input FREQ: 400 to 470 KC for a single channel. (NAVY)	CRV-Navy spec. CS-730
CV-60/URR	CONVERTER, FREQ SHIFT			FREQ range: 1000 to 2550 cycles, 1 channel. This unit contains a cathode ray tube. Operating power: 115V, 60 cps, 1-ph. Input and output impedance: 600 ohms: P/o FREQ Shift Converter-Comparator Group AN/URA-8. Provides keying facilities for operating of TTY printers or other similar automatic recording devices. (NAVY)	CRV-Spec CS-723
CV-62()/U	CONVERTER, FREQ. SHIFT			Accepts the output of two diversity receivers, combines the signal, and converts them into polar or neutral keyed dc. (SIGC)	
CV-71/URR	CONVERTER, FREQ. SHIFT			U/w Navy RBP/RCP to receiver FREQ shift keyed signals; feeds keyed dc for operation of TPR. P/o AN/URA-7(). (NAVY)	CRV-A889192-502
CV-81/FGC-5	TLG CODE CONVERTER			Signal data meter indication, power: 110 vac, 60 cps; accepts 60 or 75 WPM, 7.42-unit code, 1 phase, no impedance rating. P/o AN/FGC-5. Converts coded impulses into audible impulses. (NAVY)	CCT-EMSMCC200BM
CV-94/FGC-5	TLG CODE CONVERTER			Signal data meter indication, power 110v, 60 cps 1 phase. Retransmits the received signal. 7.42-unit code, 60, 75 WPM. P/o AN/FGC-5. (NAVY)	CTT-EMMSCC200BM
CV-97/UX	CONVERTER, FREQ. SHIFT			Ship-shore radio receiving TERM. to demodulate FAX FREQ shift signals. U/w Navy Model RBC or equal. IF type converter designed for use with a receiver having a 400 KC IF. (NAVY)	CYV - FXC1
CV-172/U	CONVERTER, FREQ. SHIFT			FREQ 1500-2300 cps; 1 band. Power: 117v, 60 cps, 1 phase. Input-output - 500 ohms; FSK and SCFM - Reception; w/monitoring speaker. U/w Models TXC, FX-1, RG, and AN/UXH-2. (NAVY)	CACA-RGD1
CV-172A/U	CONVERTER, FREQ SHIFT			S/a CV-172/U, XCPT power 117v 50-70 cps. Input-output 600 ohms. Has design improvements. (NAVY)	CACA-RGD2 and 45C-00-00-00

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
CV-182/ GRC-26A	FREQ SHIFT CONVERTER			CV-182/GRC-26A provides dual diversity operation from modified standard receivers and converters RF signal to DC pulses for operation of TTY machines. FREQ data: 440 to 510 KC, two channels, 29.3 KC and 50 KC. Operating power: 6.3 vac, 60 cps, 1-ph; +150 vdc regulated 50 ma, -150 vdc regulated 10 ma, -150 vdc unregulated 75 ma, +275 vdc unregulated 60 ma, -400 vdc unregulated 5 ma. Impedance data: 100 ohms input, output not rated. It is u/w, but not p/o Radio Set AN/GRC-26A. (SIGC)	CAHC-Part No. WE-D-2700
CV-182A /GRC-26A	FREQ SHIFT CONVERTER			CV-182A/GRC-26A is two-way interchangeable with CV-182/GRC-26A, except for maintenance parts. (SIGC)	CHL-Part No. 114X1340
CV-182B /GRC-26A	FREQ SHIFT CONVERTER			CV-182B/GRC-16A is two-way interchangeable with previous models, except for maintenance parts. (SIGC)	CHL-Part No. 114-901802
CV-205/ FGC-1	SIGNAL DATA CONVERTER			CV-205/FGC-1 is p/o Radioteletype TERM EQUIP AN/FGC-1. Converter data: Meter indication, alarm bell indication. Operating power: 6.3 vac, 60 cps, 1-ph; and 130 vdc. This is a rack mounted EQUIP. (SIGC)	CATT-X-61789- E1 or equal
CV-223/URR	CONVERTER, FREQ SHIFT			CV-223/URR converts mark and space tones from output of diversity receivers to DC pulses for operating TTY EQUIP. FREQ data: 100 to 1000 cps FREQ shift, mark FREQ set at 2975 cps, 1 band, 2 channels. It contains a 2-inch oscilloscope. Operating power: 115/230 V, 50/60 cps, 1-ph, 150 W; input 600 ohms; output 100 to 100,000 ohms. It is a rack mounted EQUIP. (SIGC)	CNR
CV-227() /URR	CONVERTER			CV-227()/URR is for take-out of 200 kc FREQ shift IF signals from comm. Receivers; for their amplification and conversion into DC pulses; for driving an electronic keyer to operate an external TTY loop CKT; and/or to key in audio tones an external telephone CKT for remote operation of additional TTY's. FREQ range: 190 to 210 kc. It has two outputs: (1) capable of keying speeds up to 100 dot cps, corresponding to 4 channel multiplex 100 WPM, this output keys an external 60 ma TTY loop CKT; (2) Gives selectable audio tones of either 595, 765, 935, 1105, 1275, 1445, 1615, or 1785 cps of 12 mw level across 600 ohm load for keying external telephone CKT's to operate other remotely located TTY's. Input power: 115 V, 50-60 cps at 70 W. (NAVY)	CRV-Part/dwg 8897358-505

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
CV-243/ FCC-3	CONVERTER, FREQ ELECTRONIC			CV-243/FCC-3 translates 8 incoming carrier frequencies from 382.5 to 1657.5 cps to the resultant 1742.5 to 3017.5 cps in order to add 8 additional channel frequencies. This unit is p/o TERM, Carrier TLG AN/FCC-3. Operating power: 115/230 V, 50/60 cps, 1-ph; input and output is 600 ohms. (NAVY)	CNR-Type 190, Model 1. CAOR- Part No. HB-4859
CV-243A /FCC-3	CONVERTER, FREQ, ELECTRONIC			This unit c/o two inputs and one combined output such that input signals in the FREQ range of 382.5 to 1675.5 cycles may be either transmitted normally or translated into the FREQ range of 1742.5 to 3017.5 cycles by mixing with a crystal controlled 3400 cycle self-generated signal. It features a 85 and 3400 cycle test output signal. CV-243A/FCC-3 is a p/o AN/FCC-3, and is u/w, but not p/o T-371A/FCC-3 thru T-382A/FCC-3. Operating power: 115 V or 230 V, 50 to 60 cps, 1-ph. The impedance is 600 ohms for input and output. (NAVY)	CQD
CV-243B /FCC-3	CONVERTER, FREQ, ELECTRONIC			The CV-243B/FCC-3 is comparable to the U.S. Navy type CV-243A/FCC-3A, xcpt extensively revised CKT's. It is u/w, but not p/o AN/FCC-3B and AN/FCC-7B. (NAVY)	CMK-Part No. 2056.171-1
CV-244 /FCC-3	CONVERTER, FREQ ELECTRONIC			The purpose of CV-244/FCC-3 is to translate 8 carrier frequencies from 1742.5 to 3017.5 cps to 382.5 to 1657.5 cps for demodulation. Operating power: 115/230 V, 50/60 cps, 1-ph. The input and output impedance is 600 ohms. It is u/w, but not p/o AN/FCC-3. (NAVY)	CAOR CNR-HB-4861
CV-244A /FCC-3	CONVERTER, FREQ, ELECTRONIC			CV-244A/FCC-3 has one input and two outputs. An input in the FREQ spectrum of 382.5 to 1675.5 cps appears at the normal output and an input FREQ spectrum of 1742.5 to 3017.5 cps appears translated at the converted output by mixing with a crystal controlled 3400 cycle self-generated signal. Operating power: 115 V or 230 V, 50 to 60 cps, 1-ph. The input and output impedance is 600 ohms. It is p/o AN/FCC-3 and is u/w, but not p/o R-525A/FCC-3 thru R-536A/FCC-3. (NAVY)	CQD
CV-244B /FCC-3	CONVERTER, FREQ, ELECTRONIC			CV-244B/FCC-3 is comparable to U.S. Navy type CV-244A/FCC-3, xcpt extensively revised CKT's. It is u/w, but not p/o AN/FCC-3B and AN/FCC-7B. (NAVY)	CMK-Part No. 2056.118-1
CV-278/GR	CONVERTER, FREQ SHIFT			This device converts FSK radio signals to DC impulses for operation of automatic TTY. FREQ range: 450 to 500 kc. Operating power: 27.5 vdc. The input impedance is 50 ohms. CV-278/GR is a p/o Radio TTY Set AN/GRC-46() and AN/VRC-29(). (SIGC)	CWS-Part No. 01B205057

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
CV-291() /GXC-3	CONVERTER, FAX SIGNAL			This is an electronic component which, when used in conjunction with a radio receiver, provides facilities for converting FAX subcarrier FM signals or picture FREQ signals to AM signals on a 1800 cps carrier for XMSN over a wire to a FAX transceiver. FREQ data: incoming of 0 to 1250 cps, DC picture FREQ range, 1500 to 2300 cps subcarrier FREQ range, resultant FREQ's 1800 cps and 2400 cps carrier FREQ's with 0 to 1250 cps picture modulation FREQ range. Operating power: 95 to 130 V and 190 to 260 V, 50 to 70 cps, 1-ph; and 20 to 30 vdc. CV-291()/GXC-3 is a p/o AN/GXC-3(), and is u/w, but not p/o CV-292()/GXC-3. (SIGC)	
CV-292() /GXC-3	CONVERTER, FAX SIGNAL			This is an electronic component which, when used in conjunction with a radio XMTR, provides facilities for converting subcarrier AM FAX signals to subcarrier FM signals for modulation of a RF carrier, or to DC picture FREQ FAX signal for use in a FREQ shift type of XMTR. FREQ data: Incoming FREQ's 1800 cps and 2400 cps carrier FREQ's with P to 1250 cps picture modulation FREQ range, resultant FREQ's 0 to 1250 cps DC picture FREQ range, 1500 to 2300 cps subcarrier FREQ range. Operating power: 95 to 130 vac and 190 to 240 vac, 50 to 70 cps, 1-ph; 20 to 30 vdc. CV-292()/GXC-3 is a p/o AN/GXC-3(), and is u/w, but not a p/o CV-291()/GXC-3. (SIGC)	
CV-305/U	CONVERTER, FREQ SHIFT			CV-205/U is a FREQ shift converter which provides dual diversity operation std. receivers and converts the signal to DC pulses for operation of TTY EQUIP. FREQ data: 100 to 6000 cps; 500 to 5000 cps make-and-break; 5 bands, 2 channels. Operating power: 115 V, 48 to 62 cps, 1-ph. CV-305/U is u/w, but not p/o TG-7(), TT-4()/TG, R-274()/FRR, R-390()/URR, R-388()/URR. (SIGC)	CJB
CV-357/A	CONVERTER, FREQ SHIFT			CV-357/A transmutes FREQ shifted 300 kc IF signals CRV from receiver section of Radio Receiver-Transmitter RT-128/ARC-21 or Radio Receiving Set AN/ARR-36 into 20 ma DC pulses to operate TERM EQUIP, and conversely transmutes 7 ma DC pulses from the associated TERM EQUIP into 100 kc FREQ shift signals to properly actuate the XMTR section of RT-128-ARC-21. It is similar to, but not interchangeable with FREQ Shift Converter CV-57/URR. FREQ data: 100 kc, fixed FREQ, ±212.5 cps. Power required: 115 V, 400 cycle and 27.5 vdc. CV-357/A is u/w, but not p/o Radio Set AN/ARC-21 and TTY TT-124/AG. (USAF)	

JAN Designation	Description	Speed		Remarks and Major Components	Commercial Designation
		WPM	Type		
CV-384/U	● CONVERTER-OSCILLATOR			This unit converts 300 kc IF signals from receiver section of Radio Receiver-Transmitter RT-128/ARC-21 or Radio Receiving Set AN/ARR-36 into 10 ma DC pulses to operate TERM EQUIP, and conversely converts 5 ma DC pulses from the associated TERM EQUIP into 100 kc FREQ shift; signals to properly actuate the XMTR section of RT-128/ARC-21. Type emission: FREQ shift keyer TTY signals (F1); fixed FREQ: 100 kc ±212.5 cps. Operating power; 115 V, 400 CPS; and 27.5 vdc. This unit is u/w, but not p/o Radio Set AN/ARC-21 and TTY Set AN/AGC-1. (USAF)	CNR
CV-395/U	CONVERTER, SIGNAL DATA			This unit permits monitoring of TTY signal level. Operating power: 110 V, 60 cycles, 1-ph. CV-395/U is u/w, but not a p/o Converter, FREQ Shift CV-116 ()/URR. (SIGC)	CCXO
CV-398() /UG	CONVERTER, TLG SIGNAL			CV-398()/UG c/o a translator relay assembly, character and function relays, electronic counter and gating CKT's, tone oscillator and output relay. Also has a self-contained RECT power supply. It requires external tape reading EQUIP. Input data: 1 channel, provides on-off keyed International morse signals from 5-unit TTY tape. Output data: 1 channel keyed tone, variable between 500 cps and 1500 cps, and/or relay. Operating power: 115 V, 50 to 60 cps, 1-ph, 300 W. Manufactured by: Naval Security Group Detachment (D-50), Washington 25, D.C., Project Conn; converts punched TTY Tape into standard international morse signals at keying speeds from 10 to 60 WPM. (NAVY)	
CV-407/ UGC-1	CONVERTER, TLG CODE			This transistorized unit receives 6 element parallel code signals from Demultiplexer TD-427/UGC-3, and converts to 2-wire series start-stop signals. It includes a speed selector switch of 60, 75 or 100 WPM operation and a milliammeter indicating start-stop line current. Power required: +12 vdc, +6 vdc, +1.5 vdc, common, -6 vdc, -12 vdc. This unit is a p/o TERM TLG Set AN/UGC-3, AN/UGC-1, and OA-2995/UGC-3, and OA-1053/UGC-1. (NAVY)	CTT-TMCR 202 & TMCR 201
CV-408/ UGC-1	CONVERTER, TLG CODE			This transistorized unit receives DC start-stop 7.42 unit TTY signals and converts them to 6-wire (parallel) code for read out by Multiplexer TD-426/UGC-3. It includes indicators and line current meter, and Code Converter ID-817/UGC-1. Power required: +12 vdc, +6 vdc, +1.5 vdc, common, -6V. This unit is a p/o TERM TLG AN/UGC-3, AN/UGC-1, OA-2994/UGC-3, and OA-1054/UGC-1. (NAVY)	CTT-TMCX 202 & TMCX 201

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
CV-432()/ UG	Converter, TLG Signal			This unit rectifies and shapes incoming signals to produce timing pulses used to sync converter to incoming signal. Morse code is stored on a character basis until a space between characters is recognized at which time the translator reads off the equivalent TTY character to a small magnetic loop. The output is at the erratic Morse speed, and final read-off is smooth TTY rate. Provisions are made to give carriage return, line feed, letters, figures, and space functions when required. The CV-432()/UG performs the inverse function of CV-398/U. Operating power: 110V, 60 cycle, 1-ph. CV-432()/UG is u/w TTY TT-176/UG. Manufactured by the Naval Security Group Detachment. Wash. 25, D.C. (NAVY)	
CV-435() /FGC-44	CONVERTER, ELECTRONIC FREQ			This unit converts 100 kc signal from FREQ standard to FREQ's used in associated Equip. FREQ data: Incoming 100 kc, 450 cycles, 600 cycles, 750 cycles, 976 cycles, 1 kc and 30 kc resultant FREQ's. Power required: 115V, 48 to 62 cps, 1-ph. (NAVY)	
CV-436() /FGC-44	CONVERTER, TLG CODE			This unit receives 4 channels of SYN ungrounded neu-CBED tral TTY information and compresses baud length to add stop pulse and supplies inputs to 4 TTY'S. It is electrically identical to CV-437()/FGC-44, but mechanically different. Power required: 115 vac, 48 to 62 cps, 1-ph; and +250 vdc, 20 ma, ±150 vdc, 40 ma. (NAVY)	
CV-437() /FGC-44	CONVERTER, TLG CODE			This unit receives 4 channels of SYN ungrounded neu-CBED tral TTY information, compresses baud length to add stop pulse, and supplies inputs to 4 TTY's. It is electrically identical to CV-436()/FGC-44, but mechanically different. Power required: 115 vac, 48 to 62 cps, 1-ph; and +250 vdc, 20 ma, ±150 vdc, 40 ma. (NAVY)	
CV-438() /FGC-44	CONVERTER, TLG CODE			This unit receives 4 channels of non-synchronous, ungrounded neutral TTY information, converts the signals to a SYN form, and stretches the baud length to consume the stop element. It is electrically identical to CV-439()/FGC-44, but mechanically different. Power required: 115 vac, 48 to 62 cps, 1-ph; and +250 vdc, 30 ma, +150 vdc, 80 ma, -150 vdc, 30 ma. (NAVY)	CBED
CV-439() /FGC-44	CONVERTER, TLG CODE			This unit receives 4 channels of non-synchronous, ungrounded neutral TTY information and converts the signals to a SYN form, and stretches the baud length to consume the stop element. It is electrically identical to CV-438()/FGC-44, but mechanically different. Power required: 115 vac, 48 to 62 cps, 1-ph; and +250 vdc, 30 ma, +150 vdc, 80 ma, -150 vdc, 30 ma. (NAVY)	CBED

JAN Designation	Description	Speed		Remarks and Major Components	Commercial Designation
		WPM	Type		
CV-483() /URA-17	CONVERTER, FREQ SHIFT			This unit converts the FSK audio output from a receiver into keyed DC to operate a TPR keying relay. FREQ data: 900 to 1100 cps and 2050 to 3050 cps, 2 bands, 1 channel; with tuning indicator (2-inch CRT). Power required: 105, 115, or 125V, 50 to 400 cps, 1-ph. It is either rack or table mounted. CV-483()/URA-17 is a p/o Converter-Comparator Group AN/URA-17, and is u/w, but not p/o RBA, RBB, or RBC Radio Receivers. (NAVY)	CCQF
CV-584/FG	CONVERTER, FREQ SHIFT			CV-584/FG is for fixed-plant use in the reception of radio signals in the high-FREQ. band. It is intended primarily for 2-channel diversity reception, but two of these converters may be interconnected for 4-channel diversity operation. The signal FREQ shifts between two discrete values, and is intended solely for TTY operation. It has eleven input filters, with midfrequencies between 1785 and 2975 cps available. Alternate power required: 115/230 V, 50/60 cps, 1-ph; 600 ohms input. (USAF)	
CV-587/GX	CONVERTER, SIGNAL DATA			This converter is used to reconvert a FAX signal that has been transmitted by radio in the form of FM, or carrier-shift XMSN into an amplitude signal of the same type as the original output of the FAX XMTR. Input signals: FM, 1500 to 2300 cps. Output signals: AM, 1800 to 2400 cps. Power required: 115 V, 50/60 cps, 1-ph; 600 ohms $\pm 10\%$ TERM impedance. (USAF)	
CV-588/GX	CONVERTER, SIGNAL DATA			This converter is used to convert the AM output signal of a FAX XMTR into a FM signal, so that FAX signals may be transmitted by radio in the form of FM in order to reduce their susceptibility to fading and atmospheric noise. Input signals: AM, 1300 to 2400 cps. Output signals: FM, 1500 to 2300 cps. Power required: 115 V, 50/60 cps, 1-ph; 600 ohms $\pm 10\%$ TERM impedance. (USAF)	
CV-663/A	CONVERTER-OSCILLATOR			Converts DC pulse output of TTY to audio tones, one FREQ for mark and a different FREQ for space. The tones are then delivered to the radio set modulator for XMSN. For reception this unit converts audio mark and space tones from radio set receiver into DC mark and space pulses for operation of a TTY. This unit is similar to, but not interchangeable with Tele-Signal Corp. Model 118 airborne audio TTY adaptor. Operating power: Receives power from aircraft supply. It has plug-in FREQ pairs with center FREQ in audio band of 500 to 20,000 cps. Input, and output FREQ: 3805-3145, 2125-2465, 1445-1785, or 765-1105 cps. (USAF)	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
CV-717/U	CONVERTER, FREQ SHIFT			Provides operation from modified standard receivers and converts the signal to DC pulses for operating TTY machines. FREQ data: 1800 to 3200 cps, 1 band; aural indicator. Power required: 115V or 230 V, 50/60 cps, 1-ph. Input impedance: 500 to 600 ohms; keyed DC output. CV-717/U is p/o AN/GSC-6. (NAVY)	●CVP
CV-763/URR	CONVERTER, FREQ SHIFT			This device is used in RF receiving systems to convert the mark and space tones from the output of a single receiver or receivers in diversity into DC pulses capable of operating a TPR, tape recorder, or any device requiring make and break signals. FREQ data: 100 to 1000 cps. Power required: 115/230 V, 50/60 cps, 1-ph. Impedance data: 600 ohms input, neutral, either side grounded or floating. From 35 to 70 ma into 2000 ohm load with external battery similar to TMC Model PSP-1, and Power Supply PP-2232/U. CV-763/URR is u/w, but not p/o AN/URT-17, PP-2232/U and TH-39/UGT. (NAVY)	CCLX-Model CFA-1
CV-786 /TRC-75	CONVERTER-OSCILLATOR			This device converts two-tone FS keyed signals in the audio range to the binary input required to actuate a TTY and converts the binary output of the TTY to two-tone audio for modulation of XMTR. FSK input FREQ: Mark FREQ of 2425 cycles; Space FREQ of 1575 cycles. Power required: 115 V, 400 cps, 1-ph. C/o: Plug-in modules-1 ea Power supply. CV-786/TRC-75 is a p/o AN/TRC-75. (USMC)	COL-Part/dwg 522-9878-00, Model 700B-1
CV-865/URC	CONVERTER, FREQ SHIFT			This device translates mark-space information from AF shifted tones to binary DC form to actuate an electronic keyer. Specific application: Converter-Oscillator CV-786/TRC-75. FREQ data: 2900 cps for mark and 2700 cps for space. Power required: 24 vdc; 600 ohms input impedance, and 400 ohms output impedance (approx). This device is transistorized. CV-865/URC is u/w, but not p/o AN/TRC-75. (USMC)	COL-Part/dwg 591-5624-004
CV-972(P) /UGC	CONVERTER, FREQ SHIFT			This unit is completely transistorized, it accepts FREQ shifted tone signals from a radio or wire link and converts them into a digital code (e. g. TTY). Also, it has provision for applying a signal to a dual diversity comparator. The unit has a self-contained power supply. FREQ data: 425 to 2975 cps, 16 channels. Operating power: 110 V, 50 to 60 cps, 1-ph. Impedance data: 600 ohms balanced; output 600 ohms. CV-972(P)/UGC is a p/o AN/FGC-60(). (NAVY)	CCVR-Model 102A
CV-1052() /GGA	CONVERTER, SIGNAL DATA			This device converts serial character code from a comm. network to parallel code. It also has provision for: an input from a high speed TERM unit, parallel code output to receivers, serial and parallel outputs to a selector unit. Power required: 110V, 60 cps, 1-ph. It processes 2400 band. CV-1052()/GGA is a p/o Control Monitor Group AN/GGA-11(). (USAF)	CAXY-3766

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
CV-1053/ARC	CONVERTER, SIGNAL DATA			This device provides conversion between TTY EQUIP and radio comm. EQUIP. TTY-data will be in the form of 7.42 baudot code and radio EQUIP data will be in the form of two tones. Power: 28 V, 0.25 amps. CV-1053/ARC is u/w, but not p/o TTY TT-264/AG and Radio Set AN/ARC-38A. (NAVY)	
KY-14/U	KEYER			Keying head for 3/8" tape. Automatic high speed radio TLG signals speed is approx 15 to 400 WPM. P/o AN/MRC-1(). (SIGC)	CHO-4-E Series B
KY-43/URT	KEYER			FREQ shift keyer. U/w Navy Model TAB-5, 6, and 7 radio TLG transmitting EQUIP. (NAVY)	CBHT-180-100
KY-43A/URT	KEYER			Polar Keying; 5 to 75 WPM; radio TTY keying. U/w Navy Model TAB-5, 6, and 7. (NAVY)	CBVD
KY-43B/URT	KEYER			S/a KY-43A/URT, XCPT neutral keying. (NAVY)	CBXJ
KY-44/FX	KEYER ADAPTER			Keyer Adapter. Converts amplitude carrier obtained from FAX EQUIP. into variable dc signal suitable for connecting to FSK as Navy Model FSB. U/w TT-41/TXC-1B and RC-120. (NAVY)	CACA-CK-1 and 05-00-00-00
KY-44A/FX	KEYER ADAPTER			Keyer adapter. Converts AM audio FREQ carrier as obtained from a FAX XMTR into variable dc signal, suitable for connecting to FSK such as Navy Model FSB. U/w TT-41/TXC-1B or TT-41A/TXC-1B, Navy RSB and RC-120. (NAVY)	CACA-CFD-1 and 05-00-00-00
KY-44B/FX	KEYER ADAPTER			Direct transformer coupling. FREQ range: 100 to 7000 cycles. U/w TT-41/TXC-1B and TT-41A/TXC-1B, Navy Model FSB, and RC-120. (NAVY)	CBEQ
KY-44C/FX	KEYER ADAPTER			Keyer adapter. Converts AM audio FREQ signals as obtained from a FAX XMTR to provide a dc keying signal for FREQ shift exciter units in radio XMSN. U/w TT-41/TXC-1B and FREQ shift keyers designed for radio FAX use.	CACA-CFD-2
KY-79/UR	TONE KEYER			This unit is used in comm. systems for remote keying of a radio XMTR or TPR machine. The intelligence pulses amplitude modulate any one of six audio tones. The tones are then impressed on a telephone line, through a fixed attenuator. This keyer is complete with power supply. Input signals: (1) polar relay contacts shorting to ground, (2) amplitude modulated (Keyed) audio tone 300 to 10,000 cps, (3) DC	CNR

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				pulses positive or negative with respect to ground. Input level-Audio: 0 db; DC: +10 V; DC current pulses: +30 ma, polar. Output FREQ: 425, 765, 1105, 1445, 1785, or 2125 cps. Output level: Mark and space, 0 db (6 mw). Power required: 110 or 220 V, 50-60 cps, 75W. (NAVY)	
KY-241() /UR	KEYER, FREQ SHIFT			This unit operates from 20 or 60 ma neutral TTY signal CKT's. Emission: F1. FREQ data: 300 kc; ±425 cycles FREQ deviation. Power required: Operates from external power supply which furnishes 115 vac, -105 vdc, +125 vdc, +210 vdc, +300 vdc, and +28 vdc. KY-241()/UR is a p/o OA-1744()/UR. (SIGC)	COL
KY-346(P) /UGC	KEYER, FREQ SHIFT			This FREQ shift tone keyer is used for XMSN over a wire or radio link. This unit can be paralleled with other such keyers, resulting in a multi-channel F/S to system. It has a self contained power supply, and mark and space FREQ self-test. Emission: FSK. FREQ range: 425 to 2975 cps, 16 channels. Power required: 110 V, 50 to 60 cps, 1-ph. KY-346(P)/UGC is a p/o AN/FGC-60(). (NAVY)	CCVR-Model 101A
MD-168/UX	RADIO MODULATOR			For cabinet or rack mounting, to convert amplitude modulated FAX signals received from a FAX XMTR or wire line to A-F shift FAX signals of 1500 to 2300 cps. Power required: 115 V, 60 cps, 1-ph. (NAVY)	CACA
MK-539/UG	POWER SUPPLY KIT, AC			To provide means of introducing primary AC power and signal information into EQUIP, internal signal line power, necessary power for converting neutral TTY signals into polar signals and also provides heat for low temperature operation. MK-539/UG is p/o TTY Set AN/TGC-14(V) and others. It is u/w, but not p/o TTY TT-297/UG. Input power: 115 V, 50-400 cps, 1-ph. Output power: Dual range line sensor is 28 vdc at 100 ma plus 6.0 vac at 450 ma; signal line power supply is 28 vdc at 100 ma. (USMC)	CCVS
MK-540/UG	POWER SUPPLY KIT, DC			To provide means of introducing primary DC power and signal information into EQUIP, signal line power, necessary power for converting neutral TTY signals into polar signals, and provides for low temperature operation. It also provides motive power for TTY by means of SER governed Motor, DC PD-85/U. Input power: 26 vdc. Output power: Dual range line sensor is 28 vdc at 100 ma plus 6.0 vac at 450 ma; signal line power supply is 28 vdc at 100 ma. MK-540/UG is p/o TTY Set AN/TGC-14(V) and others. It is u/w, but not p/o TTY TT-297/UG. (USMC)	CCVS

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
MX-333/GG	PULLER, TAPE			U/w code practice EQUIP. to reel 3/8" paper tape as the tape passes through the recorder. Constant speed induction motor, friction drive. U/w training EQUIP. (SIGC)	CMK-TP890-742
MX-439/U	KEYING HEAD DRIVE			Direct connecting to automatic high speed radio TLG keying head. Speed approx 15 to 400 WPM. P/o AN/MRC-1().	CHO-4D, Series E or equal
MX-439A/U	KEYING HEAD DRIVE			Accommodates mechanical keying head. Speed approx 15-400 WPM, keyed dc output. S/a MX-439/U, XCPT for non-interchangeable keying relay. (NAVY)	CHO-4D, Series G Modified
MX-442()/U	TAPE PULLER DC			U/w automatic high speed radio-TLG signal recording. 3 speeds - 15-575 WPM (3 to 115 ft. per minute). P/o AN/MRC-1.	CHO-4F
MX-477/U	CONTROL TAPE WINDER			Automatically manipulates the pressure roller bracket of MX-442()/U. P/o AN/MRC-1(); u/w MX-442()/U. (SIGC)	CHO-7FA, Series E
MX-478/U	REWINDER REEL ATTACHMENT			Mechanically rewinds tape as it is pulled by the tape puller - MX-442()/U, 3/8" paper. P/o AN/MRC-1(); u/w MX-442()/U. (SIGC)	CHO-4FA, Series E
MX-480/U	TAPE REEL			3/8" paper; for holding and feeding tape to ink recorder. P/o AN/MRC-1(), u/w recorder RD-17()/U. (SIGC)	CHO-7H
MX-481/U	TAPE BRIDGE GUIDE			3/8" paper; used as guide for moving tape over KBD. P/o AN/MRC-1(). (SIGC)	CHO-4K
MX-481A/U	TAPE BRIDGE GUIDE			S/a MX-481/U, XCPT parts. (SIGC)	CMK-Model TTG
MX-481B/U	TAPE BRIDGE GUIDE			S/a MX-481/U, and MX-481A/U, XCPT parts. (SIGC)	CBHP-Model 52
MX-491/U	PERF, TAPE, TLG			C/o RECT, wheatstone PERF, 2-unit code 15/32" wide tape. Superseded by AN/FGQ-3, p/o AN/MRC-1(). Perforates tape for automatic transmission.	CTT-WPE3/1SS, 1299-MPD-45 or equal
MX-1114/UG	KBD-XMTR, TTY			7.42-unit code, comm. P/o TT-47/UG, TT-48/UG, TT-69/UG, and TT-70/UG. C/o keylevers, selector bars XMTR mechanism, and RF interference filter. (NAVY)	CTT-LK1/MT
MX-1114A/UG	KBD-XMTR, TTY			7.42-unit code, comm. P/o TT-47A/UG, TT-48A/UG, TT-69A/UG and TT-70A/UG. Interchangeable with MX-1114/UG, with design improvements. (NAVY)	CTT-LK3

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
MX-1114B/ UG	KBD-XMTR, TTY			7.42-unitcode, comm. P/o TT-47B/UG, TT-47C/UG, TT-48B/UG, TT-69B/UG, and TT-70C/UG. Interchangeable with MX-1114A, XCPT has improved design. (NAVY)	CTT-LK4RN126
MX-1115/ UG	TYPG UNIT, TTY			P/o TT-47/UG, TT-48/UG, TT-69/UG, and TT-70/UG. Comm, friction feed, 5-unit code. (NAVY)	CTT-LPI/291
MX-1115A/ UG	TYPG UNIT, TTY			Page printing, 7.42-unitcode, friction feed, comm. Similar to and interchangeable with MX-1115/UG with design improvements. P/o TT-47A/UG, TT-48A/UG, TT-69A/UG, and TT-70A/UG. (NAVY)	CTT-LP3
MX-1115B/ UG	TYPG UNIT, TTY			P/o TT-47B, -47C, -69B, -171A, -48B, -48C, -70B/UG and TT-234/SGA-3 and AN/UGC-5, -5X, -6, -6X, w/o motor. Interchangeable with MX-1115A/UG, XCPT design and parts. (NAVY)	CTT-LPI4RN/ AY, LP6RN/ AY157
MX-1365/U	PULLER, TAPE			U/w 110 v, 60 cycle ac power. Similar to MX-442/U. XCPT has ac drive in lieu of dc. (NAVY)	CHO-8F
MX-1421/ UG	KBD-XMTR, TTY			P/o TT-128, -129, -130, and -131/UG. KBD for teletype model #28. Similar to MX-1114/UG, XCPT WX. (NAVY)	CTT-M28 Mark I
MX-1422/ UG	TYPG UNIT, TTY			P/o TT-128, -129, -130, and -131/UG; TYPG unit for Teletype Model #28. Similar to MX-1115/UG, XCPT has WX characters. (NAVY)	CTT-M28, Mark I
MX-2006/U	COUNTER ELECTRICAL			Monitors at 60, 66, 75, 100, and 115 TTY CKTS. C/o rack of 32 counting CKTS, with time interval mechanisms, record means, and power supplies. U/w AN/FGC-30. (SIGC DEVELOPMENT)	
O-5C/FR	EXCITER UNIT			Crystal controlled RF generator for use as the oscillator section of a XMTR. TTY, FAX or audio signals may be applied to the exciter unit. FREQ range: 1.5 to 6 mc, two bands, Input signals—TLG: 30 ma polar, 60 ma or 20 ma neutral; FAX: Plus 1 to plus 10 vdc across internal 600 ohms; V-F, FM: 0 volume units (vu). FREQ shift—TLG: 850 cps, adjustable from 0 to 1000 cps; FAX: 800 cps, adjustable from 0 to 942 cps. TLG keying speed: Speeds greater than 125 dot cycles may be used. Power required: 115 or 230 V, 50-60 cps, 1-ph, 125 W. (SIGC)	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
OA-3/FC	REP, TLG			Regenerative, 2 unit; replaced by TH-18/FG. P/o Fixed Plant Carrier Systems. (SIGC)	CW-PR 45-1297
OA-6/FC	REP, TLG			Dc TERM type; u/w open-wire com- posited, or simplex open-wire and cable CKTS. Neutral half and full duplex, and 2-path polar operation; 2-CKT dc TLG type. P/o fixed plant carrier systems. (SIGC)	CW-X61284-A
OA-151/ FGC-5	TTY GROUP			P/o TLG TERM Set AN/FGC-5. C/o Signal DISTR Drive O-101/FGC-5, Transmitting Signal DISTR TT-58/FGC-5, TLG Code Converter CV-81/FGC-5, Control-Monitor C-620/FGC-5.	CTT
OA-517 /FGC-6	XMTR SUBASSEMBLY	60, 75	S/O	P/o TTY Set AN/FGC-6; used for transmitting. 1 ea cabinet, 3 ea multiple XMTR-DISTR bases, 9 ea multiple XMTR DISTR, 1 ea RECT. Deck mounted. (NAVY)	CTT
OA-518/ FGC-6	RECEIVER GROUP	60, 75	R/O	P/o TTY Set AN/FGC-6. Main components are: CTT-AC249BR Cabinet, 4 ea CTT-FPR64LC246 TYPG REPERF and 1 ea CTT-REC47. (NAVY)	CTT
OA-519/ FGC-6	CONTROL-MONITOR GROUP	60, 75	R/O	P/o TTY Set AN/FGC-6. C/o 1 ea CTT-Cabinet No. AC248BR, 3 ea CTT-TYPG REPERF type No. FPR63LC246, 3 ea CTT-Tape Winders Type No. 1W12, 3 ea CTT-Time Stamps type No. 128279. (NAVY)	CTT
OA-615/ FGC-38	XMTR GROUP	60,75, 100	S/O	C/o cabinet, 3-bases, 6-TD, 3-numbering TD, RECT, SYN semiautomatic tape relay EQUIP. Transmitting Group A. P/o AN/FGC-38. (NAVY)	CTT
OA-615A/ FGC-38	XMTR GROUP	60,75, 100	S/O	OA-615/FGC-38, XCPT for changes in units. P/o AN/FGC-38A. (NAVY)	CTT
OA-616/ FGC-38	RECEIVER GROUP	60,75, 100	R/O	C/o 4 TYPG REPERFS, RECT, cable assembly, 4 relays, 5-unit code, SYN, teletype semiautomatic tape relay EQUIP. Receiving Group A. P/o AN/FGC-38. (NAVY)	CTT
OA-616A/ FGC-38	RECEIVER GROUP	60,75, 100	R/O	OA-616/FGC-38, XCPT for changes in units. P/o AN/FGC-38A. (NAVY)	CTT
OA-617/ FGC-38	MONITOR GROUP	60,75, 100		C/o cabinet, 3 TYPG REPERF, SYN, plus accessories; 7.42-unit code teletype semiautomatic tape relay EQUIP. Monitoring Group A. P/o AN/FGC-38. (NAVY)	CTT
OA-617A/ FGC-38	MONITOR GROUP	60,75, 100	S/O	OA-617/FGC-38, XCPT changes in units. P/o AN/FGC-38A. (NAVY)	CTT

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
OA-618/ FGC-38X	XMTR GROUP	60,75, 100	S/O	C/o cabinet, 3-TD bases, 6-TD, 3-numbering XMTR-distr, RECT, SER, plus accessories. 7.42-unit code teletype semi-automatic tape relay EQUIP. Transmitting Group B. P/o AN/FGC-38X. (NAVY)	CTT
OA-618A/ FGC-38X	XMTR GROUP	60,75, 100	S/O	S/a OA-618/FGC-38AX, XCPT Change in units. P/o AN/FGC-38AX. (NAVY)	CTT
OA-619/ FGC-38X	RECEIVER GROUP	60,75, 100	R/O	C/o cabinet, 4-TYPG REPERF, RECT, SER, plus accessories. 7.42-unit code; teletype semiautomatic tape relay EQUIP. Receiving Group B. P/o AN/FGC-38X. (NAVY)	CTT
OA-619A/ FGC-38X	RECEIVER GROUP	60,75, 100	R/O	S/a OA-619/FGC-38X, XCPT has part changes. P/o AN/FGC-38X. (NAVY)	CTT
OA-620/ FGC-38X	MONITOR GROUP	60,75, 100	R/O	C/o 3-TYPG REPERF, 3 tape winders, SER, plus accessories. 7.42-unit code; teletype semiautomatic tape relay EQUIP. Monitoring Group B. P/o AN/FGC-38X. (NAVY)	CTT
OA-620A/ FGC-38X	MONITOR GROUP	60,75, 100	R/O	S/a OA-620/FGC-38X, XCPT has part changes. P/o AN/FGC-38X; tom tape EQUIP. (NAVY)	CTT
OA-621 FGC-39	XMTR GROUP	65	S/O	C/o cabinet, 3 bases, 6-TD, 3 numbering TD, RECT, SYN, plus accessories. 7.00-unit code, 390 OPM, will operate at 368 OPM. Teletype semiautomatic tape relay EQUIP. Transmitting Group C. P/o AN/FGC-39. (NAVY)	CTT
OA-621A/ FGC-39	XMTR GROUP	60	S/O	S/a OA-621/FGC-39, XCPT has changes in units. P/o AN/FGC-39A. (NAVY)	CTT
OA-622/ FGC-39	RECEIVER GROUP	65	R/O	C/o cabinet, 4 TYPG REPERF, RECT, SYN, plus accessories. 7.00-unit code, 390 OPM teletype semiautomatic tape relay EQUIP. Receiving Group C. P/o AN/FGC-39. (NAVY)	CTT
OA-622A/ FGC-39	RECEIVER GROUP		R/O	S/a OA-622/FGC-39, XCPT has unit changes. P/o AN/FGC-39A. (NAVY)	CTT
OA-623/ FGC-39	MONITOR GROUP	65	R/O	C/o cabinet, 3-TYPG REPERF, SYN, plus accessories. 7.00-unit code, 390 OPM. Teletype semiautomatic tape relay EQUIP. Monitoring Group C. (NAVY)	CTT
OA-623A/ FGC-39	MONITOR GROUP		R/O	S/a OA-623/FGC-39, XCPT has unit changes. P/o AN/FGC-39. (NAVY)	CTT

ORIGINAL

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
PH-613() / TG	TTY MESSAGE PROJECTOR			Page PTR TTY copy; forced ventilation automatic; suitable for attaching to military page printing TTY. An optical projecting system. (SIGC)	
PP-86/ TXC-1	RECT POWER UNIT			P/o AN/TXC-1 and 1A. Electronic type, full wave rectification, filter included. Dc 500 v, 270 ma unregulated; AC 100-130v, 50-70cycles, 300 watts. (SIGC)	CACA
PP-86A/ TXC-1	RECT POWER UNIT			P/o AN/TXC-1B. Interchangeable with PP-86/TXC-1 XCPT has addition of 110v, 3 amp ac output in power cable and RMA type 5651 regulator tube in lieu of 1B47. (NAVY)	CACA
PP-86B/ TXC-1	RECT POWER UNIT			P/o AN/TXC-1(). Interchangeable with PP-86A/TXC-1, XCPT for maintenance parts. (SIGC)	CKE
PP-86C/ TXC-1	RECT POWER UNIT			U/w TT-41A/TXC-1B. Similar to and interchangeable with PP-86B/ TXC-1, XCPT for shock mounts and other minor differences in team strips. (NAVY)	CACA - Model TXC
PP-86D/ TXC-1	RECT POWER UNIT			U/w TT-41()/TXC-1B. Interchangeable with PP-86C/TXC-1 with design improvement. (NAVY)	CACA-Model TXC
PP-86E/ TXC-1	RECT POWER UNIT			P/o AN/TXC-1(). One-way interchangeability with previous models, XCPT for maintenance parts. Provides operating power. (SIGC)	CACA-34F-15-00-00
PP-108/TG	RECT POWER UNIT			Used as a fixed plant teletype power source, full wave rectification. Output 120 vdc, 25 amp, regulated; input 230v 60 cycle ac, 3 phase. (SIGC)	CAIU-PEC-260
PP-108A/ TG	RECT POWER UNIT			S/o PP-108/TG, XCPT includes filter. (SIGC)	CAIU-PEC-260-F
PP-189/U	RECT POWER UNIT			Output 1.2 amp at 120 vdc; input 95-250 v, 25-60 cycles. Single phase c/o transformer, full wave rectifying element, etc. U/w Wheatstone PERF, teletype # WPE 3/155 α equal. (SIGC)	CTT-REC-32
PP-262/F	RECT POWER SUPPLY			Metallic disc, selenium; 130v, 0.24 amp dc, manual regulation. 115v, 230v, 60 cycles, ac full wave. Includes filter. P/o AN/FGC-1 and -1X. (SIGC)	CW-KS5844

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
PP-315/ GGA-1	POWER SUPPLY			Supplies teletype signal line battery and ac for operation of series governed motors. Output 120v dc, 0.9 amp, regulated and filtered. (NAVY)	CAIU and CTT-REC-30
PP-424/U	POWER SUPPLY			Supplies teletype signal line battery and ac for operation of series governed motors. U/w M14 and M15 TTYS output, 120v dc, 0.2 amp. (NAVY)	CAIU and CTT-REC-29
PP-604/ FG	POWER SUPPLY			P/o TT-61()/FG. Metallic-disk type; 115v dc, 200 ma; 115v ac, 25-60 cycles, full wave bridge AF-RF filter. Pregnated for tropical use. (SIGC)	CCTB and CAIU-PEC-641 or equal
PP-610/U	POWER SUPPLY			Rectification: metallic type. Output data: 120 vdc, 0.125 amp, regulated. Input data: 105 to 125 V, 50-60 cps. Filter included. P/o Western Union Printing TLG EQUIP TG-7-B. (NAVY)	CAIU-PEC-648
PP-748/U	POWER SUPPLY			Metallic type, full-wave rectification. Output data: 120 vdc, 800 ma; 120 vdc, 1.2 amp. Operating power: KS-5988L01 95 to 250 V, 25 to 60 cycles, 1-ph. Filter included. P/o TT-10/FG, AN/FGC-1, and AN/TGC-3. (NAVY)	CW-Part/spec
PP-765/U	POWER SUPPLY			Input 115v, 60 cycles, 1 phase; output 120v dc, 1.0 amp, regulated. (NAVY)	CAIU-PEC-724
PP-765A/U	POWER SUPPLY			Interchangeable with PP-765/U, XCPT value of two resistors located in the control section voltage divider network. (NAVY)	CAIU-PEC-724 REV. B.
PP-978/FG	POWER SUPPLY			U/w AN/FGC-20; -20X, -21, -21X. Converts 95-250v, 50 to 60 cycles, single phase, to 120v dc. (SIGC)	CCTB-P/O M150
PP-987/U	POWER SUPPLY			P/o AN/FGC-6; u/w AN/FGC-38, 38X, 39. Output 1.0 amp at 120v dc filtered, also .090 amp filtered and 1.0 amp unfiltered input 105-125v, 50-60 cycles.	CAIU-850 CTT-REC-47
PP-1010/ UG	POWER SUPPLY			U/w TT-47/UG; input 115v ac; output 115v dc power source. For one 20- or 60-ma loop. (NAVY)	CTT-151999 and 152308
PP-1011/U	POWER SUPPLY			Used for power sound for TTY signal line current where up to six TLG CKTS are required, input 120v ac; output 400 ma at 120v dc. (NAVY)	CCBF
PP-1328/ FG	POWER SUPPLY			P/o TT-188/FG. U/w TT-52/FG, TT-189/FG, and FN-85/FG. Designed to supply dc requirements to TTY components. (SIGC)	CTT-REC-10

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
PP-1328A/FG	POWER SUPPLY			S/a PP-1328/FG, XCPT special features such as power factor correction across special primary winding and output is adjustable. U/w TT-5, -6, and -188/FG. (SIGC)	
PP-1646B/UG	POWER SUPPLY			This unit provides regulated DC power for four local TTY signal lines plus one DC supply for relay switching control. Power input: 115 V, 60 cps, 1-ph, 1.85 amps. Power output: DC. A rheostat controls the four 1-100 ma (75 V maximum) CKTS. PP-1646B/UG is electrically interchangeable with PP-1646A/UG, but is not physically interchangeable because of a 3-inch increase in depth. Mfr: Norfolk Naval Shipyard	
PP-1801/FG	POWER SUPPLY			PP-1801/FG is a p/o AN/TGC-5, -5X, -5A, -5AX, -12, and -12X. Power supplied: 105 to 125 V, 50 to 60 cps, 1-ph, 50 amps. (SIGC)	CCTB
PP-2783/UG	POWER SUPPLY			PP-2783/UG operates from single-phase AC sources of 105 to 125V, or from 210 to 250 V at 25, 50 or 60 cps while maintaining a constant output of filtered 115 vdc at 0.25 to 3.00 amps. PP-2783/UG is u/w, but not p/o TLG TAPE PERF MX-491()/U. (NAVY)	CHO
RD-2/GXR	CODE RECORDER			A variable-speed tape FAX recorder. C/o amplifier, detector, and PTR mechanism. Capable of responding to 25 to 75 WPM transmission. U/w any radio receiver. (SIGC)	
RD-17/U	INK RECORDER			Recorder code; paper tape 3/8" inked line automatic high speed radio - TLG signals, approx 15 to 400 WPM. P/o AN/MRC-1. (SIGC)	CHO-4G
RD-92/UX	FAX RECORDER		R/O	Provides 12" x 18" copy size, positive reproduction. It is used for recording FAX signals from wire or radio CKTS. Power: 90 - 130v, 60 cps, 1 phase, 140 watts at 117v. Designed for 60 scans per minute. Direct stylus recording. Input FREQ: 500 to 10,000 cps. (NAVY)	CACA-Model RG
RD-92A/UX	FAX RECORDER		R/O	S/a RD-92/UX, XCPT with design improvements. (NAVY)	CACA-40C-00-00-00
RO-98A/U	RECORDER, TLG CODE, TAPE	5-300	R/O	This is a general purpose equipment that accepts Morse or TTY signals in on-off tone form, records them as mark-and-space information of special heat-sensitive tape to provide a visual record of low- or -high speed Morse signals. A heated stylus is used to record on 3/8-inch paper tape. One circuit is recorded. This unit permits variable recording speeds and a recording capability of up to 24 hours without tape replacement. It is either rack or table mounted. The RO-98A/U is similar to RD-18/U in principle,	CCBF

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				but provides a larger tape supply and is transistorized. It is mechanically and electrically interchangeable with RO-98/U xcpt for new design and differences in certain component parts. Power input: 115 V, 60 cps, 1-ph, 20 W. (NAVY)	
SA-419/FG	SWITCH, TTY CODE ACTUATED	60,66, 75, 100		A self contained, lightweight transportable unit. It can receive a standard TTY 5-unit start-stop code combination, select and translate it into mechanical completion of one of 32 possible circuits. Each circuit in turn can operate any number of electrically actuated devices which may actuate between 60 and 100 different equipments within a span of one minute. Power Requirements: 184 watts, 105-125V, 60 cps, 1-ph, 1/30 hp, SYN, 3600 r.p.m.	CCTB
SA-655() /UG	SWITCH, BOX			This unit transfers a configuration of TTY equipment from one input circuit to another, each input being supplied by different security equipment assemblies. SA-655()/UG is u/w TSEC/KW-26 and AN/SGA-4. Mfr: U.S. Naval Security Engineering Facility.	
SA-743/UG	SWITCH, BOX			Used to effect positive secure switching of a TTY between a secure or insecure circuit. When used with Indicator Light Assembly (ID-866/SG), the TTY operator has visual indication of which circuit the TTY is monitoring. The switch is u/w, but is not p/o, TTY Panel TT-23()/SG. Mfr. U.S. Naval Security Engineering Facility.	
SB-6/GG	SWBD, PATCHING, COMM			A 4-line TLG loop SWBD for providing flexibility in the assignment of TLG line CKTS and TTY or TLG sets. U/w any or all TTY sets. (SIGC)	CW-63C2, X66068
SB-6A/GG	SWBD, PATCHING, COMM			S/a SB-6/GG, XCPT maintenance parts. (SIGC)	CCN-G-5488
SB-22/PT	MANUAL TELEPHONE SWBD			Lightweight, local battery, field-type SWBD that can be installed rapidly to provide facilities for interconnecting 12 CKTS. It is used to interconnect local battery telephone CKTS, remote controlled radio CKTS, and V-F TTY CKTS. TLG TERM TH-5/TG and TTY SET AN/PGC-1 are required but not supplied with SB-22/PT if it is to be used to interconnect TTY CKTS. Four ea Battery BA-30 are required; but not supplied, and 1 ea Ground Rod MX-148/G. If power ringing is to be used, an external source of ringing current is required, but not supplied. Ringing power (manual): 90 to 100 V, 20 cps. Power required: 3 vdc for operators telephone, and 3 vdc for night alarm. (SIGC)	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
SB-65/FGC	SWBD, PATCHING, COMM			Fixed station; nonmultiple; capacity 9.6 TLG lines fully equipped; manual operation. For terminating and patching teletype CKTS. (SIGC)	CW-63B1 or equal
SB-65A/FGC	SWBD, PATCHING, COMM			Fixed station, nonmultiple; capacity 120 TLG lines; fully equipped; manual operation; not powered. (No longer to be procured.) (SIGC)	CW-63B2
SB-65B/FGC	SWBD, PATCHING, COMM			Interchangeable with SB-65 and -65A/FGC, XCPT maintenance parts, in cases where 96 lines are required. (SIGC)	CCN-3547
SB-66/FGC	SWBD, PATCHING, COMM			Fixed station; multiple; for switching teletype CKTS. C/o six key rows, capacity 6 lines, 6 CKTS. (SIGC)	CAIU-K6 or equal
SB-66A/FGC	SWBD, PATCHING, COMM			S/a SB-66/FGC, XCPT has white buttons and improved mechanically interlocking type push keys. (SIGC)	CAIU-CA-334-C
SB-92/FG	TLG SWBD			Fixed station; nonmultiple; capacity of 104 TLG lines for terminating and patching teletype CKTS. Mfg: Naval Gun Factory. (NAVY)	
SB-154/UG	POWER DISTRIBUTION PANEL			P/o TT-47, -48, -69, and -70/UG. Provides for power and signal distribution between preceding equipments. (NAVY)	CTT-LESUI
SB-154A/UG	POWER DISTRIBUTION PANEL			P/o TT-47A, -48A, -69A, and -70A/UG. Interchangeable with SB-154/UG with design improvements. (NAVY)	CTT-LESU3
SB-154B/UG	POWER DISTRIBUTION PANEL			P/o TT-47B/UG and TT-171/UG. Interchangeable with SB-154A/UG, XCPT has improved design. (NAVY)	CTT-LESU7/191
SB-233/TGC-4	SWBD, TLG			P/o AN/TGC-4. Fixed station; nonmultiple; capacity of 120 loop CKT and 48 misc jacks; 48 S/R Lines; manual operation. (SIGC)	CJB-118088 CBBX-1063-A
SB-234/TGC-4	SWBD, TLG			P/o AN/TGC-4. Fixed station; nonmultiple; capacity of 48 bank XMTR CKT and 48 receiving REPERF jacks; 12 duplex and 12 single and duplex; manual. (SIGC)	CJB-118070 CBBX-1036-A
SB-235/TGC-4	SWBD, TLG			Rotary switching; capacity 50 lines; 16 receiving CKTS, 24 lines wired and installed, 8 receiving CKTS wired and installed. Automatically selects an idle REPERF when signal is received. P/o AN/TGC-4. (SIGC)	CBBX-930-A

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
SB-357/FGC	PANEL, CONTROL			All components mounted on a relay group base and control panel. (NAVY)	CTT-128289 or SST-15046-1
SB-358/FGC	PANEL, CONTROL			P/o AN/FGC-6, OA-615, -615A/FGC-38, OA-618/FGC-38X and OA-621/FGC-39. 115v dc, 0.440 amp; wire per Teletype #2798. (NAVY)	CTT-128288 or SST-11045-1
SB-408/UG	POWER DISTRIBUTION PANEL			Complete electrical service unit. P/o teletype rack mounted 28-type set. Power: 110v ac, 60 cyc; signal line 20 or 60 ma. (NAVY)	CTT-LESU 6/119
SB-467/FG	SWBD, PATCHING, COMM			Teletype patchboard (104 CKTS). Spec.-Naval Gun Factory Dwg. RW23D397. (NAVY)	
SB-469/FG	SWBD, PATCHING, COMM			Teletype relay potential cabinet (26 CKTS). Spec.-Naval Gun Factory Dwg. RW23D399. (NAVY)	
SB-472/MGC-12	SWBD, PATCHING, COMM			Provides comm patching facilities for carrier, telephone, teletype, and radio CKTS of AN/MGC-12(). P/o AN/MGC-12(). (USAF)	
SB-473/MSC-22	SWBD, PATCHING, COMM			Provides comm patching facilities for carrier, telephone, teletype, and radio CKTS of Tactical Air Comm. Central AN/MSC-4(). P/o AN/MSC-22(). (USAF).	
SB-501/MGC-2	SWBD, PATCHING COMM			Used to interconnect EQUIP. and external telephone lines for type of operation desired. (USAF)	CCN-G-15063
SB-785/G	SWBD, PATCHING, COMM			Provides facilities for voice and teletype comm. (USAF)	CCTE-10130000A
SB 905/TGC-11	PANEL, POWER DISTRIBUTION			Provides facilities for interconnecting five AN/FGC-25X & (), 4-wire teletype system. Eliminates need for additional power supplies. P/o AN/TGC-11. (USAF)	CCTG CGA-435A751-561-100
SB-964/UG	PANEL, POWER DISTRIBUTION			Input 1, 115v ac, 50-60 cyc, single phase; output is the same. P/o TT-47C, -48C, -69B, -70B, and -171A/UG. (NAVY)	CTT-LESU7/147, M28 PTR
SB-1203/UG	PANEL, PATCHING, COMM.			Provides TTY interconnection facilities aboard ships and shore stations for connecting TTY EQUIP with radio adapters (FREQ shift keyers, converters, and tone modulated EQUIP). No. of channels: six. SB-1203/UG is a development of, and supersedes Panel, TTY SWBD TT-23/SG thru TT-23F/SG. Patchcords and dummy plugs are not supplied, to be supplied by installing activity. Power input: 115 vdc, 24 amps. (maximum). Mfr: Naval Weapons Plant, Washington 25, D.C.	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
SB-1210 /UGQ	PANEL, PATCHING, COMM.			Provides TTY interconnection facilities aboard ships and shore stations for connecting TTY EQUIP with radio adapters (FREQ shift keyers, converters, and tone modulated EQUIP). No. of channels: Six. SB-1210 /UGQ is a development of, and supersedes Panel, TTY SWBD TT-23/SG thru TT-23F/SG, for certain special applications. Patchcords and dummy plugs are not supplied, to be supplied by installing activity. Power input: 115 vdc, 24 amps (Maximum). Mfr: Naval Weapons Plant, Washington 25, D. C.	
TH-5/TG	TERM, TLG			P/o AN/TCC-14. Provides facilities to convert dc telegraph pulses from a TTY into voice FREQ. signals for transmission; converts received signals back into TLG pulses. (SIGC)	
TH-6/ FGC-3	TPR APPLIQUE UNIT			U/w AN/FGC-3(). Electronic, for TPR operation of AN/FGC-3. (SIGC)	CBBX-6480-B or equal
TH-7/FG	REP, TLG			For repeating dc TLG signals; single line type. Includes two repeaters; operates from 130v dc supply. (SIGC)	CW-10E1
TH-8/FG	REP, TLG			For repeating dc TLG signals. Polar duplex type for differential or polar operation over 130v dc balanced loop. One-line wire grounded operation. (SIGC)	CW-16B-1 (One Line)
TH-9/FG	REP, TLG			For repeating dc TLG signals. Polar duplex type; for polar operation or differential operation over 130v dc balanced loop. Metallic operation over two line wires. (SIGC)	CW-16B-1 (Two Line)
TH-10/U	PULLER, TAPE			Used to pull 3/8" paper recording tape through tape bridge for transcribing ink recording. U/w BC-1016. (SIGC)	CMK-D-100BD
TH-10A/U	PULLER, TAPE			S/a TH-10/U, XCPT for maintenance parts. (SIGC)	CMK-TP-90
TH-11/ FGC-1	REP, TLG			P/o AN/FGC-1(). Two path polar local side operation; 2 CKTS; common teletype monitoring type. Power 130v dc	CATT-X- 61789E-1 or equal
TH-12()/ TC	REP, TLG			U/w TH-5/TG, AN/TCC-4, and CF-2-B; Dc intermediate type. U/w local dc CKTS of carrier TLG EQUIP. and V-F line units. Handles one CKT. (SIGC)	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TH-18()/ FG	REP, TLG			For correcting dc TTY signal distortion and improve TLG transmission on wire and radio CKTS (neutral and polar). U/w AN/ICC-4() dc regenerative type, 1 CKT fixed or field type, TLG CKTS, and lengthy fixed plant radio CKTS. (SIGC)	
TH-19()/ FG	MONITOR, TLG SIGNAL	60,75 100		EXPER, 10-channel, will be u/w AN/FGC-30. Monitors any neutral teletype CKT with specific application to loop terminations for radio teletype CKTS. Can monitor 10 CKTS simultaneously. (SIGC)	
TH-20/UG	TERM, TLG	60		FREQ shift coding; 1-channel. Mark FREQ 1325 cps; space FREQ 1225 cps. Two-wire line termination. Neutral teletype loop. Arranged for automatic S/R functions. (NAVY)	CHO-Type 6-C
TH-21/UC	TERM, TLG	100 250		FREQ or time division type. Converts dc pulses (mark or space) to two-tone audio of similar duration for XMSN over open wire lines cable or radio. Automatic control CKTS for operation with PTR, can be used with two PTRS. (NAVY)	CAOR-Model 812
TH-22()/ TG	TERM, TLG			FREQ division type; 1-channel. 1232 to 1317 cps FREQ range, 100 WPM, 2-wire or 4-wire line termination. Converts dc pulses from a TTY into V-F signals for XMSN, converts received voice signals back into TLG pulses. (SIGC)	
TH-23()/ FG	MONITOR, TLG SIGNAL			EXPER - for providing advance warning of deterioration of the radio transmitting path of SYN (mux) TLG systems. (SIGC)	
TH-24()/ UGT	PERF TAPE, TLG			Fully punched 1/4" tape; Continental Morse. Provides means for manually punching TLG messages on tape, P/o AN/UGT-1(). U/w KY-201()/UGT. (SIGC)	
TH-29/UG	REP, TLG			Dc intermediate or dc TERM. type; 2-wire half duplex or 4-wire full duplex. Neutral 20 ma or 50 ma CKTS; 1 CKT 1-way reversible or 2 CKTS 1-way. High speed operation is provided by electronic keying CKTS. (NAVY)	CBVV-TR2
TH-30()/ FG	REP, TLG			U/w dc neutral CKTS; power 115v ac, 48 to 62 cyc, single phase; 230v, 48 to 62 cyc. A regenerative REP for receiving distorted synchronous neutral teletype signals retransmitting retimes and reformed signals of low distortion. U/w AN/FGC-5(). (SIGC)	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TH-31/U	REP, TLG			Two-wire half duplex or 4-wire full duplex, neutral input will handle half-duplex or duplex to duplex. Provides neutral or effective polar voltage from REP to loop. (NAVY)	CCRC-B38
TH-35/FGC	REP, TLG			Repeats and regenerates TLG signals and reduces input distortion on IBM data processing CKTS and teletype CKTS. (SIGC)	CBVV-RTR 5-8
TH-36()/ G	BREAK-IN SIGNAL- LING UNIT, TLG			(Development) p/o AN/TCC-29. Single channel, 800-cycle break-in, 2-wire operation, 600-ohm. U/w TH-5/TG and TH-22/TG. (SIGC)	
TH-37/UG	TERM, TLG			Dc loop; neutral; two space/mark FREQ options; 500/700 cps, 1225/1325 cps. Used for XMSN and reception of TTY msgs by radio comm between stations similarly equipped. U/w TTY'S, radio receivers, and XMTRS. (NAVY)	CRL
TH-42/UG	REP, TLG			This is an in-line EQUIP that receives, reshapes, and automatically retransmits coded signals over wire CKTS. The wire CKTS may be two or four wires, half or full duplex. TH-42/UG is similar to, but is not interchangeable with REP, TLG TH-29()/UG (less loop battery supply). It is installed on a standard 19-inch panel for rack mounting. Type of loop: 20-ma or 60-ma neutral. Power input: 105/125 V, 50-60 cps, 1-ph, 50 W.	CBVV
TS-2/TG	TEST SET, TTY			(To be replaced by AN/UGM-1.) Use SER motor for 368 or 404 OPM. Transmits signals w/distortion bias of 0-5%. Used to determine the efficiency of start-stop selectors of TTY apparatus. (SIGC)	CTT-EDS7GG
TS-2A/TG	TEST SET, TTY			S/a TS-2/TG, XCPT for maintenance parts. (SIGC)	CMJ
TS-2B/TG	TEST SET, TTY			S/a TS-2A/TG and TS-2/TG, XCPT for maintenance parts. (SIGC)	CMK-Type No. B
TS-2C/TG	TEST SET, TTY			Supplies signals and measures distortion in TTY'S and TTY CKTS, range 368.1 or 404 OPM. (SIGC)	CMK-5008
TS-383/GG	TEST SET, TTY			Teletype code disc operated signal distortion test set, series operated; geared for 368.1 OPM. (To be replaced by AN/UGM-1.) (NAVY)	CTT-DXD4/ DTS
TS-383A/ GG	TEST SET, TTY			S/a TS-383/GG, XCPT based on Teletype DXD4DTS instead of DXDIDTS. (SIGC-NAVY)	CTT-DXD4/ DTS

JAN Designation	Description	Speed		Remarks and Major Components	Commercial Designation
		WPM	Type		
TS-383B/ GG	TEST SET, TTY			S/a TS-383/GG, XCPT SER as well as SYN; also regular gears and gears to increase speed to 100 WPM. (SIGC)	CTT-DXD4/ MU26
TS-577/FG	TEST SET, TTY			Used for monitoring TLG signals in local or dc loop CKTS of TLG TERM. REP determines amount of distortion in each signal.	CW-X66421A list 1 or equal
TS-577A/ FG	TEST SET, TTY			S/a TS-577/FG, XCPT for maintenance parts. Monitors TTY signals 60, 75, 100, or 120 WPM simultaneously. (SIGC)	CCTD-7506
TS-611/FG	TEST SET, TTY			Used for measuring bias and distortion on TTY CKTS. Five or 6-digit selecting code TTY signals of 60, 75, and 100 WPM. (NAVY)	CW-118C2
TS-611A/ FG	TEST SET, TTY			S/a TS-611/FG, XCPT for component parts. (SIGC)	CCTD
TS-612/FG	TEST SET, TTY			Automatic multiple XMTR of perfect TTY characters for testing purposes. (SIGC)	CW-110C1 or equal
TS-652/GG	TEST SET, TTY			S/a TS-383/GG XCPT uses SYN and does not include speed indicator. (NAVY)	CTT-DXD4/ MU4
TS-657/FG	TEST SET, TTY			Used for testing TTY CKTS and EQUIP. (NAVY)	CW-119A
TS-658/UG	TEST SET, TTY			Portable, SYN (to be replaced by AN/UGM-1). Transmits repeated TTY characters for test. Similar to TS-659/UG, XCPT uses SYN. (NAVY)	CTT-ED51DT
TS-659/UG	TEST SET, TTY			to be replaced by AN/UGM-1. Distortion test set S/a TS-658/UG, XCPT uses SER. (NAVY)	CTT-ED58HE
TS-660/UG	TEST SET, TTY			Used for testing TTY CKTS. Distortion test set. (NAVY)	CW-161A1
TS-676/U	XMSN LINE FAULT LOCATOR			Detects and locates faults in transmission line by means of pulse reflection; employs 5" cathode-ray tube. (NAVY)	CTD-NFF-1
TS-799/ UGM-1	TEST SET, TTY			P/o AN/UGM-1. Provides for neutral or polar keying, 7.42- and 7.0-unit code. To replace TS-2, -383, -658, and -659. (SIGC)	
TS-800/ UGM-1	TEST SET, TTY			P/o AN/UGM-1. To replace TS-917. Measures bias and end distortion of TTY signals on a working CKT. (SIGC)	
TS-836/ UGM-1	TEST SET, TTY			P/o AN/UGM-1 for testing and adjusting TLG polar relays. EXPER; (to replace TS-1-193) (SIGC)	CW

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TS-888()/ UG	TEST SET, TTY			EXPER. Generates TLG signals (reversals) for operational tests, system alignment, and adjustment of TLG transmission EQUIP. (SIGC)	
TS-917/GG	TEST SET, TTY			To be replaced by TS-800/UGM-1. Measures bias and distortion of TLG polar and neutral signals through electronic circuitry. (SIGC)	CBVV-TDA2
TS-917A/ GG	TEST SET, TTY			S/a TS-917/GG, XCPT minor changes have been made to maintenance parts. (NAVY)	CBVV-TDA2
TS-1373/FG	TEST SET, TLG			Supplies a predetermined test message to a neutral TLG CKT, 20 or 60 ma. The call sign is NPG-Sends. The output is 60, 75 or 100 WPM baudot code signals. TS-1373/FG is identical to Test Set, TLG TS-1374/FG, and TS-1375/FG, xcpt call signs differ. Power input: 115 V, 60 cps, 1-ph. (NAVY)	CBVV
TS-1374/FG	TEST SET, TLG			TS-1374/FG is the s/a Test Set, TLG TS-1373/FG, and TS-1375/FG, xcpt call sign in NPM-Sends. (NAVY)	CBVV
TS-1375/FG	TEST SET, TLG			TS-1375/FG is the s/a Test Set, TLG TS-1373/FG, and TS-1374/FG, xcpt call sign is NSS-Sends. (NAVY)	CBVV
TT-1/TXC- 1	FAX SET		S/R	Positive or negative photograph, maps, line dwgs, and messages. P/o AN/TXC-1 and AN/TXC-1A up to 12 X 18 size. (SIGC)	CACA
TT-1A/ TXC-1	FAX SET		S/R	S/a TT-1,-1B,-1C/TXC-1, XCPT for maintenance parts. P/o AN/TXC-1 and AN/TXC-1A. (SIGC)	CACA
TT-1B/ TXC-1	FAX SET		S/R	P/o AN/TXC-1B. S/a TT-1,-1A,-1C/TXC-1, XCPT for maintenance parts. (SIGC)	CACA
TT-1C/ TXC-1	FAX SET		S/R	S/a previous versions, XCPT maintenance parts. P/o AN/TXC-1B. (SIGC)	CKE
TT-1D/ TXC-1	FAX SET		S/R	S/a previous versions, XCPT maintenance parts. P/o AN/TXC-1C. (SIGC)	CACA
TT-1E/ TXC-1	FAX SET		S/R	S/a previous versions, XCPT maintenance parts. P/o AN/TXC-1. (SIGC)	CACA-Model TXC
TT-1F/ TXC-1	FAX SET		S/R	S/a previous versions, XCPT maintenance parts. P/o AN/TXC-1(). (SIGC)	CACA-34E-00- 00-00

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-2/TG	PULLER, TAPE			A msg tape device for use with 3/8" paper tape. Power: 110V-120vac, 50-60 cyc. C/o tape rewinder reel for tropical use in fixed plants. (SIGC)	CBHP-TP100 or equal (AC)
TT-3/FG	PULLER, TAPE			S/a TT-2/TG, XCPT for power operation of 110-120vdc. (SIGC)	CBHP-TP-100 or equal (DC)
TT-4/TG	TTY	60	S/R	P/o AN/PGC-1(), TT-61/FG and AN/TGC-6(). Transportable; comm. KBD; SER; adaptable to 404, 460 and 600 OPM. (SIGC)	CCTB-Model 100
TT-4A/TG	TTY	60	S/R	S/a TT-4/TG, XCPT for maintenance parts. (SIGC)	CCTB-Model 100A
TT-4B/TG	TTY	60	S/R	S/a previous models, XCPT FOR maintenance parts. (SIGC)	CCTB-60214A
TT-5/FG	TTY	60,66	S/R	S/a AN/FGC-10, XCPT SER. P/o fixed plant teletype systems. Replaced by AN/FGC-20() and 20X. Page PTR. (SIGC)	CTT-M15, 2.18A-1
TT-6/FG	TTY SET	60	S/R	S/o AN/FGC-18, XCPT SER. Page PTR 76 characters per line Replaced by AN/FGC-21() and 21X. (SIGC)	CTT-M15, 2.16A-1
TT-7/FG	TTY	60,66	S/R	C/o TYPG unit, base, SER, PERF XMTR, relay, TD, RECT, TBL, and KBD. Replaced by AN/FGC-25() and 25X. (SIGC)	CTT-M19, 4.15A-1
TT-8/FG	TTY	60,66	S/R	C/o WX-KBD, SER, RECT, TBL, line unit, and relay, 76 characters per line; perforates and sends message on tape; page PTR. Replaced by AN/FGC-26() and 26X (SIGC)	CTT-M19, 4.13A-1
TT-9/FG	PERF, TTY	60		U/w M19 set. P/o AN/SGC-26(). Off line tape PERF. (SIGC)	CTT-M14
TT-10/FG	TTY SET	60	S/R	Sprocket feed; designed especially for R/T use; a tape S/R TTY. C/o TYPG REPERF, TD, TBL; RECT, SER, KBD, and base. (SIGC)	CCTD-MAS-SC-TT-10-CW-132A-2 or equal
TT-11/FG	TTY	60	R/O	(Superseded by TT-51/FG.) Page PTR; shelf mounting. C/o TBL, RECT, SER, or SYN. (SIGC)	CTT-M15 PTR
TT-12/FGQ-1	DISTR-XMTR, TTY	60	R/O	U/w AN/FGC-1. Chad or chadless 11/16" tape. C/o TD-XD79EY single channel; SER. (ARMY-NAVY)	CTT - Special XD79EY CW-14AB

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-13/FGQ-1	DISTR-XMTR, TTY	60	R/O	U/w AN/FGQ-1. Chad 11/16" tape. C/o TD-XD79EZ. single channel, SYN.	CTT-Special, XD79EZ. CW-14AA.
TT-14/FG	TAPE SPLICER			C/o number tab dispenser, bracket assembly, and 99214 teletype tape splicer. U/w single tape TD sets. (SIGC)	CW-X61859 List 19
TT-15/FG	REPERF, TTY	60	R/O	Replaced by TT-107/FG and TT-108/FG. 11/16" chad tape; u/w TT-17/FG. C/o HB, non-TYPG REPERF unit, relay, Low TBL (on casters), and SER. S/a TT-135/FG, XCPT SER. (SIGC)	CTT-M14, 9.2-1
TT-16/FG	REPERF, TTY	60	R/O	Replaced by TT-107/FG; u/w TT-7/FG. C/o low TBL (on casters), HB, speed indicator, SER, and TYPG REPERF unit. S/a TT-91/UG, XCPT SER. (ARMY-NAVY)	CTT-M14, 10.4A-3
TT-17/FG	REPERF, TTY	60	R/O	Replaced by TT-108/FG; uses 11/16" chad tape. C/o TBL (low on casters), HB, WX, TYPG REPERF unit, and SER. S/a TT-104/FG, XCPT SER. (SIGC)	CTT-M14, 10.5A-3
TT-18/FG	TAPE REWINDER			P/o AN/TGC-4; u/w AN/TGC-1A. C/o 2 reels, capacity 1000' tape, manually operated. (SIGC)	CBBX-929-A
TT-19/FG	REP, TTY			Changes polariental to neutral operation. C/o single channel dc REP relays. (SIGC)	CW-128C2
TT-20/FG	REP, TTY			Changes polariental to neutral operation. Single channel dc REP relays. (SIGC)	CW-128B2
TT-21/FG	DISTR-XMTR, TTY	60	S/O	7.42-unit code; 1 channel; 11/16" chad or chadless tape. C/o TD, SER; u/w AN/FGQ-1. (SIGC)	CTT-M14ABM-1, XD228BD/GW
TT-21A/FG	DISTR-XMTR, TTY	60,66	S/O	Uses 11/16" chad or chadless tape; 1 channel. C/o TD and SER. (SIGC)	CTT-M14, XD224 BB/GW
TT-22/FG	TYPG UNIT, TTY		R/O	Page printing TYPG unit, mounts on M15 PTR base; 76 characters per line, friction feed, WX less KBD. P/o TT-8/FG. (SIGC)	CTT-M15, BP93/221
TT-23/SG	PANEL, TTY SWBD			Replaced by TT-23F/SG. Basically 6 CKTS or lines with common meter. Buships dwg No. RE67F-132A, Control Panel. (NAVY)	
TT-23A/SG	PANEL, TTY SWBD			S/a TT-23/SG, XCPT for component parts. Control panels; Mare Island Navshipyd, Project Order. (NAVY)	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-23B/SG	PANEL, TTY SWBD			S/a TT-23/SG and TT-23A/SG, XCPT for component parts. Also has single instead of dual panel control panel. Buships dwg RE67F-132F. (NAVY)	CBTP-12-101
TT-23C/SG	PANEL, TTY SWBD			S/a TT-23, -23A, and -23B/SG, XCPT component parts. Control panel. (Mfg: Mare Island Navshipyd.) (NAVY)	
TT-23D/SG	PANEL, TTY SWBD			S/a TT-23, -23A, -23B, and -23C/SG, XCPT component parts. Control panel. (Mfg: Portsmouth Navshipyd; Project order 01709/51.) (NAVY)	
TT-23E/SG	PANEL, TTY SWBD			S/a TT-23, -23A, -23B, -23C, and -23D/SG, XCPT component parts. Control panel. Navy dwg RE67F-132.	CBOT
TT-23F/SG	PANEL, TTY SWBD			Superseding design similar to and will replace TT -23, -23A, -23B, -23C, -23D, and -23E/SG. Improved in design, different mfg. (Buships dwg RE67F145.) (NAVY)	
TT-24/FG	TTY	60	S/R	C/o PTR unit, KBD, TBL, and SYN, (wheel type). Friction feed, page PTR. (SIGC)	CTT-M26
TT-25/FG	DISTR-XMTR, TTY		S/O	U/w AN/FGQ-1. Uses 11/16" chad or chadless tape; for wire and radio with 6th pin stop feature code scrambling TD; 420 OPM with 6 and 35 spot target. (SIGC)	CTT-Special, XD95GW or equal. CW-14ABM
TT-26/FG	DISTR-XMTR ASSEMBLY, TTY	60	S/O	U/w TT-7, -8, and P/o TT-10/FG and AN/TGC-4. C/o 2 ea TD-XD91GL, or XD91GL-1, or XD216AA/GL, 2 ea SER. (2 channel - 120 WPM); (1 channel - 60 WPM). (SIGC)	CTT-Special, XD91GL or equal
TT-27/F	PULLER, TAPE			U/w SIGC Recorder BC-1016. Manually operated reel used for rewinding tape. (SIGC)	CMK-HDR-243 or equal
TT-28/U	PULLER, TAPE			Used to pull 3/8" paper recording tape thru tape bridge for transcribing ink slip recording. U/w Tape Bridge Guide MX-481/U. (SIGC)	CHO-11F
TT-29/FX	FAX SET		S/R	Portable, wire, or radio XMSN; will S/R written, typed, or drawn material, Receiver neg or direct positive. 115-120v, 50-60 cyc, single phase, 160 watt. (SIGC)	CCTF
TT-30/AGA-1	TTY		S/R	C/o 26vdc motor, TYPG unit, shock mounting, KBD, and tape PTR. Operates on 20 ma CKT; airborne. P/o AN/AGA-1; u/w TT-31/AGA-1. (NAVY)	CTT-M31 special

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-31/AGA-1	TTY TERM			When u/w TT-30/AGA-1, provides 1-way reversible R/T comm. over an A3 CKT. Working FREQ is 2265 cycles for space and 2475 for mark signal. P/o AN/AGA-1; u/w TT-30/AGA-1. (NAVY)	CAOR
TT-32/AGA-1	TTY TERM			Receives audio tones and converts them into dc teletype signals and vice versa to modulate associated radio XMTR. Space signal 500 cps and mark 700 cps. P/o AN/AGA-1; u/w TT-30()/AGA-1. BUAER spec 17T35 (AER). (NAVY)	
TT-33/UG	TTY		S/R	Designed for wire and radio, page PTR, console. High speed KBD. (Never procured). (NAVY)	CTT-M28 PTR
TT-34/AG	TTY	60, 100	S/R	C/o TYPG unit, KBD, 26.5 vdc dynamotor and cabinet. Capable of 75 and 100 WPM operation. Airborne; EXPER; for radio CKTS; page PTR. u/w, but not p/o TT-31/AGA-1, and TT-32/AGA-1. Similar to TT-35/AG, XCPT for power input. (NAVY)	CTT-M28 PTR
TT-35/AG	TTY	60, 100	S/R	Airborne, EXPER, for wire or radio use. Single unit similar to TT-34()/AG, XCPT for power input. U/w TT-31/AGA-1 and TT-32/AGA-1. KBD; 115v 320-480 cycles; page PTR. BUAER SPEC XEL-19. (NAVY)	CTT-M28 PTR
TT-36/GGA-1	DISTR-XMTR, TTY	75	S/R	P/o AN/GGA-1. SYN. U/w classified security devices. Will receive Baudot code in tape form and transmit Baudot code at 460 OPM. Capable of operating associated teletype PTRS or REPERFS (NAVY)	CTT-Type 58
TT-36A/GGA-1	DISTR-XMTR, TTY	75	S/O	P/o AN/GGA-1A. S/a TT-36/GGA-1, XCPT SER. (NAVY)	CTT-Type 58
TT-37/GGA-1	REPERF, TTY	75	S/R	P/o AN/GGA-1(). For SYN; uses 11/16" chad tape. C/o TYPG REPERF - FPR23DK246; KBD - FK110LD. (NAVY)	CTT-M14
TT-37A/GGA-1	REPERF, TTY	75	S/R	S/a TT-37/GGA-1, XCPT SER. P/o AN/GGA-1A. (NAVY)	CTT-M14
TT-38/GGA-1	REPERF, TTY	75	S/R	P/o AN/GGA-1(). (Shipboard use.) S/a TT-37/GGA-1, Plus TBL and RECT. (NAVY)	CTT-M14
TT-38A/GGA-1	REPERF, TTY	75	S/R	P/o AN/GGA-1A. S/a TT-38/GGA-1, XCPT for SER. (NAVY)	CTT-M14

TTY AND FAX INDEX

NAVSHIPS 93434(A)

BY JAN DESIGNATION

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-39/ GGA-1	TTY	75	R/O	P/o AN/GGA-1(). Replaced by TT-183/GGA-1A. C/o TYPG unit, KBD, RECT, base, TBL, SYN, and page PTR. (NAVY)	CTT-M15 lightweight
TT-39A/ GGA-1	TTY	75	R/O	P/o AN/GGA-1A. Page PTR. S/a TT-39/GGA-1, XCPT SER.	CTT-M15 lightweight
TT-40/ SGC-1	TTY TERM.			When u/w standard S/R TTY, provides 1-way reversible (press to type) TTY comm. over an A3 CKT. Working FREQ. is 700 cys for mark and 500 cys for space. P/o AN/SGC-1(). (NAVY)	CRL
TT-40A/ SGC-1	TTY TERM.			P/o AN/SGC-1A. S/a TT-40/SGC-1, XCPT for maintenance parts. (NAVY)	CRL
TT-41/ TXC-1B	FAX TRANS- CEIVER		S/R	Transportable; wire S/R. Written, printed, drawn, or photographic copy 12" x 18"; negative or positive. 30 and 60 scans per minute operation. S/a TT-1A, XCPT different motor and parts. P/o AN/TXC-1B; u/w PP-86A/TXC-1. (NAVY)	CACA
TT-41A/ TXC-1B	FAX TRANS- CEIVER		S/R	S/a TT-41, XCPT for changes in replacement parts. (NAVY)	CACA - Model TXC
TT-41B/ TXC-1B	FAX TRANS- CEIVER		S/R	S/a TT-41A, XCPT with design improvements. (NAVY)	CACA - Model TXC
TT-42/FG	TTY			Classified EQUIP.	
TT-43/FG	DISTR-XMTR, TTY	75	S/O	Uses chad or chadless tape 11/16" wide; 7.42-unit code. U/w TT-42/FG; c/o TD and SYN. (NAVY)	CTT-M14, XD208AA/AJ
TT-44/FG	CONVERTER ASSEMBLY			For R/O, 5-unit code signals from multiplex receiving distr's and retransmitting these signals in start-stop 7.42-unit signal. C/o 6 translator units, 1 panel, and SYN. Geared for 390 OPM on a 7.0-unit basis. (NAVY)	CTT
TT-45/FG	REPERF, TTY	60	R/O	Uses 11/16" chadless tape. C/o TYPG REPERF FPR23H246, TBL, RECT, LB, and SYN. S/a TT-46/FG, XCPT SYN. (NAVY)	CTT-M14
TT-46/FG	REPERF, TTY	60	R/O	C/o TYPG REPERF FPR23GB246. Uses 11/16" chadless tape. S/a TT-45/FG, XCPT SER and speed indicator. (NAVY)	CTT-M14
TT-47/UG	TTY	60	S/R	Capable of 75 and 100 WPM operation. Wire or radio CKTS, page PTR. C/o console, shock mounted, KBD, TBL, automatic typer, and SYN.	CTT-M28

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-47A/UG	TTY	60	S/R	C/o TYPG unit, power distribution panel, KBD, and service assembly. Similar to and operationally, with TT-47, capable of 75 and 100 WPM operation.	CTT-M28
TT-47B/UG	TTY	60	S/R	C/o automatic typer, KBD, SYN, power distribution panel, and cabinet. Electrically and mechanically interchangeable with TT-47A, XCPT improved design. (NAVY)	CTT-M28
TT-47C/UG	TTY	60	S/R	Portable station. C/o cabinet, KBD-XMTR, SYN, power distribution panel, and TYPG unit. S/a previous models, XCPT improved design. (NAVY)	CTT-M28
TT-47D/UG	TTY	60	S/R	Portable station, page PTR w/std comm. KBD, English characters. EQUIP characteristics: 72 characters per line, and is friction feed. Capable of 75- and 100-WPM operation. Type of motor: SYN. Power required: 115V, 60 cps, 1-ph. and 115 vdc. C/o Cabinet, Electrical EQUIP CY-2538/UG; KBD-XMTR, TTY MX-1114C/UG; Motor, AC PD-17A/U; Panel, Power Distribution SB-964/UG; TYPG Unit, TTY MX-1115B/UG; and Set of gears 151060. TT-47D/UG is mechanically and electrically interchangeable with previous versions, improved design. (NAVY)	CTT-M28 PTR
TT-47E/UG	TTY	60	S/R	Page PTR with a std comm KBD, English characters. Type of motor; SYN. It is capable of 75- or 100-WPM by changing to other gears. Also capable of putting a 20 ma or 60 ma signal on the line. TT-47E/UG is mechanically and electrically interchangeable with previous versions, XCPT for improved design, and inclusion of TYPG Unit, TTY MX-2984/UG (stunt box) allowing additional functions. C/o Cabinet, Electrical EQUIP. CY-2538/UG; KBD-XMTR, TTY MX-1114C/UG; Panel, Power Distribution SB-964/UG; TYPG Unit, TTY MX-2984/UG; Motor, AC PD-17A/U; and Set of gears 151060. (NAVY)	CTT-M28 PTR
TT-48/UG	TTY	60	S/R	Capable of 75 and 100 WPM operation. S/a TT-47/UG, XCPT SER. (NAVY)	CTT-M28
TT-48A/UG	TTY	60	S/R	Capable of 75 and 100 WPM operation. S/A TT-47A/UG, XCPT uses LMU4 - SYN and speed indicator. (NAVY)	CTT-M28
TT-48B/UG	TTY	60	S/R	Capable of 75 and 100 WPM operation. Page PTR; 7.42-unit code. C/o cabinet, KBD, SER, power distribution panel, TYPG unit, and set of gears. Mechanically and electrically interchangeable with previous versions, XCPT improved design. (NAVY)	CTT-M28

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-48C/UG	TTY	60	S/R	Capable of 75 and 100 WPM operation. Page PTR utilizing the 7.42 unit code. EQUIP characteristics: Fixed station; Std. comm. KBD; English characters; 72 characters per line; Friction feed; SER motor. Power required: 115V ± 10%, 50-60 cps, 1-ph., 95W. C/o Automatic Typewriter MX-1115B/UG, KBD MX-1114C/UG, AC Motor PD-18/U, Power Distribution Panel SB-964/UG, Cabinet CY-2538/UG, and Gears for 60 WPM. TT-48C/UG is mechanically and electrically interchangeable with previous versions, XCPT improved design. (NAVY)	CTT-M28
TT-49/UG	TTY	60	S/R	Shipboard use; page PTR. C/o KBD and SYN, (Lightweight console mounting). S/a TT-50/UG, XCPT SER. (NAVY)	CTT-M15 (modified)
TT-50/UG	TTY	60	S/R	Shipboard use; page PTR. S/a TT-49/UG, XCPT SER.	CTT-M15 (modified)
TT-51/FG	TTY	60	R/O	Page PTR. S/a AN/FGC-13, XCPT SER. C/o TBL, and RECT.	CTT-M15 (modified)
TT-52/FG	DISTR-XMTR, TTY	60	S/O	U/w TT - 188/FG. Uses chad or chadless tape 11/16" wide. C/o TD and SER. S/a TT-57/FG, XCPT SER. (NAVY)	CTT-M14 XD200AA/FR
TT-53/FG	REPERF, TTY	60	R/O	Uses chadless tape 11/16" wide. P/o AN/TCC-3(). C/o TYPG REPERF-FPR21GB226, LB, and SER. S/a TT-92/FG, XCPT SER (SIGC)	CTT-M14
TT-54/FG	TAPE SPLICER			U/w single-tape TD sets. Splices teletype chadless tape. (NAVY)	CTT-99214 CW-Type 1A
TT-55/MGC	TTY	60	S/R	P/o AN/GRC-26() and TTY Code Group OA-73()/MSC. C/o SIGC TG-7B modified for noise suppression; SER, KBD, and page PTR. (SIGC)	CTT-M15
TT-56/MGC	REPERF SET, TTY	60	S/R	C/o SIGC TG-26A modified for noise suppression; TYPG REPERF, KBD, TD and SER. U/w AN/GRC-26. (SIGC)	CTT-M14
TT-57/FG	DISTR-XMTR, TTY	60	S/O	C/o TD. S/a TT-52/FG, XCPT SYN and TBL. (NAVY)	CTT-M14 XD200AA/AJ
TT-58/FGC-5	TLG SIGNAL DISTR			Generates time division multiplex signals. Operates at a constant stepping rate. P/o AN/FGC-5, XMTR signal distr. (NAVY)	CTT-EMXD200BM
TT-59/CPS-10	REPERF, TTY	60	R/O	No KBD. C/o SYN, PTR, and base designed for wire CKTS. P/o Radar Set AN/CPS-10. (SIGC)	CRV-modified 8898508-2 Sub-O CTT-M14

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-60/ CPS-10	DISTR-XMTR, TTY		S/O	Five channels; transmits 358 characters per minute. Receives pulses from computer and transmits to TTY. P/o AN/CPS-10. C/o TD-XD200AA/AJ and SYN. (SIGC)	CRV-Modified 8898508-1 Sub-O CTT-M14, WD-2084
TT-61/FG	TTY	60,66,S/R 100		C/o TT-4/TG, TT-73/FG, TBL, RECT, gears for 60, 66, and 100 WPM; SER; and page PTR. (SIGC)	CCTB-M100
TT-62/FG	TTY	60,66,S/R 100		Cancelled, superseded by AN/FGC-23 & (). S/a TT-61/FG, XCPT C/o TT-65/TG-WX KBD. (SIGC)	CCTB
TT-63/FGC	TTY REP			Electronic regenerative REP for TTY. 60, 75, and 100 WPM CKTS, neutral 60 ma, polar 30 ma tone. P/o AN/FGC-7. (NAVY)	CBMY
TT-63A/ FGC	TTY REP			P/o AN/FGC-7A. Regenerative type; u/w simplex open wire CKTS. Neutral open side operation; CKTS handled: 1 CKT 600-ohm telephone or dc teletype. (NAVY)	CBVV
TT-63B/ FGC	TTY REP			S/a TT-63A/FGC, XCPT input step attenuator differs mechanically.	CBHT
TT-64/ FGC-5	RECEIVING SINGAL DISTR			Receives time-division multiplex signals. Operates in synchronism with the distant XMTR distr at a stepping rate determined by the FREQ. P/o AN/FGC-5. (NAVY)	CTT- EMRD200BM
TT-65/TG	TTY	100	S/R	Portable - page PTR; capable of 60, 66, and 100 WPM. P/o TT-62/FG. C/o WX KBD, and SER. (SIGC)	CCTB-Type Bar Page TTY or equal
TT-66/TXC	FAX TRANS- CEIVER		S/R	Transportable; wire and radio XMSN. Will S/R photographic, written, typed or drawn material 7" x 9", negative or positive. U/w PP-86A/TXC-1. (NAVY)	CACA-Model CRA
TT-66A/ TXC	FAX TRANS- CEIVER		S/R	S/a TT-66/TXC, XCPT improved items added. (NAVY)	CACA-FX1-C
TT-67/UG	REPERF, TTY	60	R/O	Superseded by TT-53/FG. TYPG REPERF FPR23GB246, LB, and SER. (NAVY)	CTT-M14
TT-68/UG	VOICE FREQ LINE UNIT			P/o AN/GRC-15(); unit of issue. Provides means for making and breaking teletype loop. Generates, modulates, and demodulates video pulse. (NAVY)	CBED-C3828
TT-69/UG	TTY	60	S/R	Capable of 75 and 100 WPM operation; page PTR. C/o KBD, TBL model; shock mounted, SYN. S/a TT-70/UG, XCPT SYN. (NAVY)	CTT-M28

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-69A/UG	TTY	60	S/R	C/o automatic typer, KBD, SYN, and power distribution panel cabinet; page PTR. Capable of 75 and 100 WPM operation. Interchangeable with TT-69/UG. (NAVY)	CTT-M28
TT-69B/UG	TTY	60	S/R	Capable of 75 and 100 WPM operation; page PTR; 7.42-unit code. C/o cabinet, KBD XMTR, SYN, TYPG unit, and set of gears. Mechanically and electrically interchangeable with previous versions, XCPT improved design. Portable.	CTT-M28
TT-69C/UG	TTY	60	S/R	Capable of 75 and 100 WPM operation. Page PTR utilizing the 7.42 unit code. EQUIP characteristics: Std comm KBD; English characters; Friction feed; SYN motor. Power required: 115V ±10%, 60 cps, 1 ph, 65 W. C/o Automatic Typer MX-1115B/UG, KBD MX-1114C/UG, AC Motor PD-17A/U, Power Distribution Panel SB-964/UG, Cabinet CY-2539/UG, and Gears. TT-69C/UG is mechanically and electrically interchangeable with previous versions, XCPT improved design. (NAVY)	CTT-M28
TT-70/UG	TTY	60	S/R	S/a TT-69/UG, XCPT SER. (NAVY)	CTT-M28
TT-70A/UG	TTY	60	S/R	C/o automatic typer, KBD, SER, power distribution panel, and cabinet. Capable of 75 and 100 WPM operation; page PTR. Interchangeable with TT-70/UG. (NAVY)	CTT-M28
TT-70B/UG	TTY	60	S/R	Cancelled: This item will never be procured, stored, or issued. (USAF)	CTT-M28 (modified)
TT-70C/UG	TTY	60	S/R	S/a previous versions, XCPT improved design. Capable of 75 and 100 WPM operation. (NAVY)	CTT-M28
TT-70D/UG	TTY	60	S/R	Capable of 75 or 100 WPM operation. Page PTR utilizing the std. 7.42 unit code. EQUIP. characteristics: Std comm KBD; English characters; 72 characters per line; Friction feed; SER motor. Power required: 115V ± 10%, 50-60 cps, 1 ph, 95 W. C/o Automatic Typer MX-1115B/UG, KBD MK-1114C/UG, AC Motor PD-18/U, Power Distribution Panel SB-964/UG and Gears for 60 WPM. TT-70D/UG is the s/a previous versions, XCPT improved design. (NAVY)	CTT-M28
TT-71/UG	PTR-PROJECTOR, TTY	60	S/R	C/o cabinets, mirror, TYPG unit, screen, projector frame, tape PTR and running spares. Used for conference CKTS. U/w TT-90/UG. (NAVY)	CTT-M15 special

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-72/AG	TTY	66	S/R	C/o KBD, TYPG unit, SER, and modified case. Capable of 60 and 100 WPM; lightweight. Similar to TT-4()/TG, XCPT modified for AAF. (SIGC)	CCTB-Type Bar Page TTY or equal
TT-73/FG	ADAPTER, TTY			Includes 20/60 ma neutral single duplex CKT, polar receive CKT, and mtg for WECO relay. P/o TT-6L/FG. (SIGC)	CCTB or equal
TT-74/FG	REPERF, TTY	60	S/R	C/o TYPG REPERF - FPR23GB226, KBD, LB, and SER. (NAVY)	CTT-M14
TT-75/TG	ADAPTER, TTY			U/w PTR TG-7A and TG-7B. P/o cover CW-233()/TG. Automatic paper rewind mechanism. (SIGC)	
TT-76/GGC	REPERF XMTR, TTY	60, 100	S/R	Uses 7/8" tape; SER, KBD, gears for 600 OPM. Tape relay svc with provisions for local punched tape. P/o AN/GGC-3 (). (SIGC)	CCTB-M110
TT-76A/GGC	REPERF XMTR, TTY	60, 100	S/R	Similar to TT-76/GGC, XCPT for maintenance parts. Portable or fixed. C/o tape printing and punching KBD, TD, and SER. Uses 7/8" tape. (SIGC)	CCTB-Model 90161A
TT-76B/GGC	REPERF XMTR, TTY	60, 100	S/R	P/o AN/GGC-3A. Uses 7/8" tape. C/o tape printing and punching KBD, TD, and SER. Portable or fixed. (SIGC)	CCTB-Model 90240A
TT-77/UG	PTR, TAPE, TTY	60	R/O	Tape printing TYPG unit; 7.42-unit code; 3/8" tape. P/o TT-71/UG. C/o REPERF set, 60-cyc SYN. (NAVY)	CTT-FP81DM103
TT-78/UG	TYPG UNIT, TTY	60		Page printing; 7.42-unit code; friction feed. P/o TT-71/UG. C/o TYPG unit. (NAVY)	CTT-M15, BP90/186
TT-79/GGC	XMTR, TTY, MESSAGE TIME		S/O	Automatically transmits time and end of msg characters in 7.42-unit code upon conclusion of msg text. P/o AN/GGC-2, TTY switching center. (SIGC)	CTT-special
TT-80/TGC-4	TTY SET	60	S/R	C/o TBL-985A, panel 991A, TD MXD-5, TYPG REPERF - FPR5H, KBD, and SYN motors. P/o AN/TGC-4. Sprocket feed. (SIGC)	CBBX-985-A-1 Tape Patching Set. CJB-Part/ Dwg 117816
TT-81/TGC-4	TTY SET	60	S/R	S/a TT-80/TGC-4, XCPT uses 992A Panel. (SIGC)	CBBX-985A SWBD Monitor Set. CJB-part/ dwg 117814

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-82/ TGC-4	DISTR-XMTR ASSY	60	S/O	C/o 12 TD MXD-3, TBL 910A TERM. shelf 912A, relay box 914, 2 - MXB-3 bases, and SYN motors. P/o AN/TGC-4; sprocket feed. (SIGC)	CBBX-910A, sending tbl CJB-Part/dwg 118615
TT-83/ TGC-4	DISTR-XMTR ASSY	60	S/O	C/o 18 - TD MXD-3, TBL 910A for line finder 930A, term shelf 911A, relay box 913A, and 3 - MXB3 bases. P/o AN/TGC-4; SYN motors sprocket feed. (SIGC)	CBBX-910A sending tbl. CJB-part/dwg. 118615
TT-84/ TGC-4	DISTR-XMTR ASSY	60	S/O	C/o 6-multiple number TD-MXD-4 on base MXB-5, arms, reel, cardholder, and SYN; sprocket feed. P/o AN/TGC-4. (SIGC)	CBBX-Auto, numbering set. CJB-part/dwg 117749
TT-85/ TGC-4	REPERF ASSEMBLY	60	R/O	C/o 2 - TYPG REPERF FPR5H321, chassis 920A, relay box 1042A, stand 921A, tape winder 925A and SYN; sprocket feed. P/o AN/TGC-4. (SIGC)	CBBX-920A Monitor Set. CJB-part/dwg 117792
TT-86/ TGC-4	REPERF ASSEMBLY	60	R/O	C/o 8-TYPG REPERF FPRSH, 1-MXB-4, MXD-5 single unit TD, and SYN, plus accessories; sprocket feed. P/o AN/TGC-4. (SIGC)	CBBX-940A receiving TBL. CJB-part/dwg. 118541
TT-87/ TGC-4	PULLER, TAPE			C/o TBL and cabinet with pneumatic tube vacuum box and exhauster unit. Carries tape at approx 30 ft. per second; vacuum operated. P/o AN/TGC-4. (SIGC)	CBBX-980A dwg XB90384
TT-88/ TGC-4	REPERF ASSEMBLY	60	R/O	C/o 2-TYPG REPERF FPR5H321, 2-TD-1045A, stand 921A, trunk chassis 1040A, relay box 1041A, 2-tape winder 925B, P/o AN/TGC-4. Monitor and retransmitter Set. (SIGC)	CBBX-921A, 2-925A, 1045A, 1040A; CTT-M14; CJB-Part/dwg 117818
TT-89/FG	TTY	60	R/O	Portable tape PTR; LB, 3/8" tape type bar tape PTR, SYN, KBD. S/a TT-127/FG, XCPT SYN. (NAVY)	CTT-M14
TT-90/UG	TTY	60	S/R	U/w TT-71()/UG. (46 or 47 char/line) page PTR. C/o TYPG unit, base, KBD, TBL, and SYN. (NAVY)	CTT-M15, BP91/97
TT-91/UG	REPERF, TTY	60	R/O	Uses chadless tape 11/16" wide. S/a TT-16/FG, XCPT SYN. (NAVY)	CTT-M14
TT-92/FG	REPERF, TTY	60	R/O	Uses chadless tape 11/16" wide. S/a TT-53/FG, XCPT uses SYN, TYPG REPERF FPR23H246 with LB-FB47/15. (NAVY)	CTT-M14
TT-93/FG	REPERF, TTY	75	R/O	S/a TT-92/FG, XCPT modified for 75 WPM, LB, TYPG REPERF FPR23DM246, and SYN. (NAVY)	CTT-M14 (modified)

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-94/FG	REPERF, TTY			TT-94/FG - Teletype tape to Morse tape converter. Automatic Wheatstone REPERF.	CTT-Special
TT-95/FG	(NOT ISSUED)			Superseded by AN/FGC-13.	
TT-96/FG	TTY	75	R/O	Page PTR. S/a AN/FGC-13, XCPT modified for 465 OPM (75 WPM). (NAVY)	CTT-M15 (modified)
TT-97/FG	TTY	60, 100	S/R	P/o AN/FGC-21X. Page PTR, friction or sprocket feed as desired. C/o WX, KBD, SER. P/o AN/FGC-21()X. (SIGC)	CCTB
TT-98/FG	TTY	60, 100	S/R	Page PTR; friction or sprocket feed as desired. C/o KBD, and SER. P/O AN/FGC-20X &()X. (SIGC)	CCTB-M152 dwg 50525A
TT-98A/FG	TTY	60, 100	S/R	S/o previous model, XCPT Maintenance Parts. Page PTR, SER, P/o AN/FGC-20X (SIGC)	CCTB-M152
TT-98B/FG	TTY	60, 100	S/R	S/a previous models, XCPT maintenance parts. Page PTR, SER. P/o AN/FGC-20X and AN/UGC-4 (SIGC)	CCTB-M152
TT-99/FG	TTY	60, 100	S/R	76 characters per line; page PTR; WX-KBD, SYN. U/w AN/FGC-21(). (SIGC)	CCTB-151, dwg 52500A
TT-100/FG	TTY	60, 100	S/R	Page PTR, friction or sprocket feed; KBD, SYN. P/O AN/FGC-20 (). (SIGC)	CCTB-M150
TT-100A/FG	TTY			Cancelled; never procured. (SIGC)	
TT-100B/FG	TTY	60, 100	S/R	Sprocket or friction feed as desired. S/a previous models, XCPT maintenance parts. (SIGC)	CCTB-M150
TT-101/FG	TTY	60	R/O	WX Page PTR. Similar to AN/FGC-34, XCPT SYN. C/o TBL, RECT and SYN (NAVY)	CTT-M15
TT-102/FG	REPERF-XMTR TTY	60	S/R	C/o KBD, TBL, RECT, LB, TYPG REPERF FPR23H246, SER. S/a TT-103/FG, XCPT SER. (NAVY)	CTT-M14
TT-103/FG	REPERF-XMTR TTY	60	S/R	S/a TT-102/FG, XCPT SYN. (NAVY)	CTT-M14
TT-104/FG	REPERF, TTY	60	R/O	Uses chadless tape. S/a TT-17/FG, XCPT SYN. (NAVY)	CTT-M14
TT-105/FG	REPERF, TTY	60	S/R	C/o TYPG REPERF - FPR23H246; uses chadless tape. S/a TT-74/FG, XCPT SYN, also TT-182 XCPT speed. (NAVY)	CTT-M14

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-106/U	PULLER, TAPE			Message type; accommodates 1-1/16" paper tape. Rewinds monitor tape. P/o AN/FGC-4. (SIGC)	
TT-107/FG	REPERF, TTY	60, 100	R/O	For automatic TYPG and reperforating of TTY msgs, from 60-cyc power source. 7/8" chad tape. SYN; U/w AN/FGC-25. (SIGC)	CCTB-M112
TT-107A/FG	REPERF, TTY	60, 75, 100	R/O	Two-way interchangeability with TT-107/FG, XCPT maintenance parts. SYN; 7/8" chad tape. (SIGC)	CCTB-Model 90106A
TT-107B/FG	REPERF, TTY	60, 75, 100	R/O	S/a previous models, XCPT maintenance parts. SYN; 7/8" chad tape. (SIGC)	CCTB-Model 90175A
TT-108/FG	REPERF, TTY	60, 100	R/O	U/w AN/FGC-26, includes gear for 600 OPM. S/a TT-107/FG, XCPT WX. (SIGC)	CCTB-Model 90262A
TT-109/FG	REPERF, TTY	60, 100	R/O	Tape PTR; SER; 7/8" chad tape. U/w AN/FGC-25X. Includes gear for 600 OPM. (SIGC)	CCTB-Model 90162A
TT-110/FG	REPERF, TTY	60, 100	R/O	Tape PTR; WX; SER; 7/8" chad tape. U/w AN/FGC-26X. Includes gear for 600 OPM. (SIGC)	CCTB
TT-111/FG	REPERF, TTY	60, 100	S/R	Includes gear for 600 OPM; uses 7/8" chad tape. C/o tape PTR, REPERF, KBD, and SYN. P/o AN/FGC-22. (SIGC)	CCTB
TT-112/FG	REPERF, TTY	60, 100	S/R	Uses 7/8" chad tape. Includes gear for 600 OPM. Tape PTR; REPERF; WX; KBD; and SYN. P/O AN/FGC-23(). (SIGC)	CCTB
TT-113/FG	REPERF, TTY	60, 100	S/R	Uses 7/8" chad tape. Includes gear for 600 OPM. Tape PTR; REPERF; KBD; and SER. P/o AN/FGC-22()X. (SIGC)	CCTB
TT-114/FG	REPERF, TTY	60, 100	S/R	Uses 7/8" chad tape. Includes gear for 600 OPM. Tape PTR; REPERF; WX; KBD; SER. P/o AN/FGC-23()X. (SIGC)	CCTB
TT-115/FG	REPERF, TTY	60, 100	R/O	U/w AN/FGC-25() and 26(). Uses 7/8" chad tape. Comm. WX; SYN. Includes gear for 600 OPM. (SIGC)	CCTB
TT-116/FG	REPERF, TTY	60, 100	R/O	U/w AN/FGC-27() and 28(). Uses 7/8" chad tape. Comm; WX; and SER. Includes gear for 600 OPM. (SIGC)	CCTB

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-117/FG	TTY	60, 100	S/R	Page PTR, friction or sprocket feed. U/w TBL TTY FN-65/FG and TT-179/FG. KBD, PERF, and SYN. P/o AN/FGC-25(). (SIGC)	CCTB-M152
TT-117A/FG	TTY	60, 100	S/R	S/a TT-117/FG, XCPT maintenance parts. Page PTR, and SYN. P/o AN/FGC-25, and AN/FGC-57. (SIGC)	CCTB-59825A
TT-118/FG	TTY	60, 100	S/R	Includes gear for 600 OPM; page PTR, friction or sprocket feed; 76 characters per line; WX, KBD, PERF, and SYN. P/o AN/FGC-26(). (SIGC)	CCTB-59925A
TT-119/FG	TTY	60, 100	S/R	Page PTR, friction or sprocket feed. U/w FN-65/FG and TT-178/FG. KBD, PERF, SER. P/o AN/FGC-25X. (SIGC)	CCTB
TT-119A/FG	TTY	60, 100	S/R	P/o AN/FGC-25X. Page PTR. S/a previous model, XCPT maintenance parts. (SIGC)	CCTB-59900A
TT-120/FG	TTY	60, 100	S/R	Page PTR, friction or sprocket feed; WX, KBD, PERF, and SER. P/o AN/FGC-26()X. (SIGC)	CCTB
TT-121/FG	PERF, TTY			Off line KBD tape PERF; 7/8" or 11/16" chad tape; 110vac/110vdc. (SIGC)	CCTB
TT-122/FG	DISTR-XMTR, TTY	60, 100	S/O	U/w AN/FGC-25() and 26(). SYN; 7/8" or 11/16" chadless or chad tape. (SIGC)	CCTB
TT-122A/FG	DISTR-XMTR, TTY	60, 100	S/O	One-way interchangeable with previous model. Transmits TTY msgs from perforated tape. (SIGC)	CCTB-90203
TT-123/FG	DISTR-XMTR, TTY	60, 100	S/O	U/w AN/FGC-25()X and 26()X. S/a TT-122/FG, XCPT SER. (SIGC)	CCTB
TT-123A/FG	DISTR-XMTR, TTY	60, 100	S/O	One-way interchangeable with previous model. Transmits TTY msgs from perforated tape.	CCTB-90204A
TT-124/AG	TTY		S/R	U/w AN/ARC-21. Prints on tape; friction feed; airborne, lightweight; 27.5v dc.	CTT-M31 (modified)
TT-125/FG	TTY	60	S/R	Tape PTR; 3/8" tape. C/o KBD, relay, SYN, TYPG unit, and base. S/a TT-126/FG, XCPT SYN. (NAVY)	CTT-M14
TT-125A/FG	TTY	60	S/R	S/a TT-125/FG, XCPT for end of line indicator, monitoring range scale, tape illuminator, parts for monitoring, and switching line relay unit. (NAVY)	CTT-M14 (modified)

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-126/FG	TTY	60	S/R	Tape PTR. S/A TT-125/FG, XCPT SER. (NAVY)	CTT-M14
TT-127/FG	TTY	60	R/O	Tape PTR. S/a TT-89/FG, XCPT SER. (NAVY)	CTT-M14
TT-128/UG	TTY	60	S/R	Page PTR; capable of 75 and 100 WPM operation; shock mounted. S/a TT-47/UG, XCPT WX and TT-129/UG, XCPT SYN. (NAVY)	CTT-M28
TT-128A/UG	TTY	60	S/R	Page PTR; capable of 75 and 100 WPM operation. S/a TT-47A/UG, XCPT WX, and TT-129A/UG, XCPT SYN. (NAVY)	CTT-M28
TT-129/UG	TTY	60	S/R	Page PTR; capable of 75 and 100 WPM operation. S/a TT-48/UG, XCPT WX, and TT-128/UG, XCPT SER. (NAVY)	CTT-M28
TT-129A/UG	TTY	60	S/R	Page PTR; capable of 75 and 100 WPM operation. S/a TT-48A/UG, XCPT WX, and TT-128A/UG, XCPT SER. (NAVY)	CTT-M28
TT-130/UG	TTY	60	S/R	Page PTR; capable of 75 and 100 wpm operation. S/a TT-69/UG, XCPT WX, and TT-131/UG, XCPT SYN. (NAVY)	CTT-M28
TT-130A/UG	TTY	60	S/R	Page PTR; capable of 75 and 100 WPM operation. S/a TT-69A/UG, XCPT WX, and TT-131A/UG, XCPT SYN. (NAVY)	CTT-M28
TT-131/UG	TTY	60	S/R	Page PTR; capable of 75 and 100 WPM operation. S/a TT-70/UG, XCPT WX, and TT-130/UG, XCPT SER. (NAVY)	CTT-M28
TT-131A/UG	TTY	60	S/R	Page PTR; capable of 75 and 100 WPM operation. S/a TT-70A/UG, XCPT WX, and TT-130A/UG XCPT SER. (NAVY)	CTT-M28
TT-132/UG	REPERF, TTY	60	R/O	S/a TT-45/FG less RECT, and S/a TT-133/UG, XCPT SYN. TYPG REPERF, TBL, LB, and SYN. (NAVY)	CTT-M14
TT-133/UG	REPERF, TTY	60	R/O	S/a TT-46/FG, less RECT. S/a TT-132/UG, XCPT SER. (NAVY)	CTT-M14
TT-134/UG	TTY	60	S/R	Uses KP3KR270 TYPG unit; tape PTR; 3/8" tape. S/a TT-30/AGA-1, XCPT 115 V AC SER.	CTT-M31
TT-135/FG	REPERF, TTY	60	R/O	C/o REPERF-HB, relay, low TBL. S/a TT-15/FG, XCPT SYN. (NAVY)	CTT-M14
TT-136/FG	TTY	60	R/O	Page PTR; comm. RY30 relay. S/a TT-137/FG, XCPT SYN. (NAVY)	CTT-M15

BY JAN DESIGNATION

NAVSHIPS 93434(A)

TTY AND FAX INDEX

Designation JAN	Description	WPM Speed	Type	Remarks and Major Components	Designation Commercial
TT-137/FG	TTY	60	R/O	Page PTR. S/a TT-136/FG, XCPT SER. (NAVY)	CW-X66114B List 3, CTT-M15
TT-138/ FGC-6	DISTR-XMTR, TTY	60,75 100	S/O	P/o AN/FGC-6. C/o multiple number TD, (3 ea MXD-26) SYN. (NAVY)	CTT-M14X
TT-139/ FGC-6	DISTR-XMTR, TTY	60,75 100	S/O	S/a TT-138/FGC-6, XCPT uses MXD-27. Includes a 110-volt, 50 cps, SYN motor (NAVY)	CTT-M14X
TT-140/ FGC-6	REPERF, TTY	60,75 100	R/O	P/o AN/FGC-6 (Monitor group); 100 WPM EXPER. C/o TYPG REPERF-FPR63LC246 and SYN. (NAVY)	CTT-M14X
TT-141/ FGC-6	REPERF, TTY	60,75 100	R/O	P/o AN/FGC-6 (Receive group) 100 WPM EXPER. C/o TYPG REPERF-FPR64LC246 and SYN. (NAVY)	CTT-M14X
TT-142/FG	REPERF, TTY	100	R/O	C/o TYPG REPERF FPR33HC246, TBL, LB, RECT and SYN. (NAVY)	CTT-M14
TT-143/UG	DISTR-XMTR, TTY	65	S/O	Geared for 390 OPM at 1800 rpm. C/o TD-XD104GV, SYN (special trip-clutch TD). (NAVY)	CTT-M14
TT-144/ AGC-1	TPR	60	R/O	Comm (letters only), 28vdc, page PTR, Prints letters in accordance with impulses received via TT-148/AGC-1&(). P/o AN/AGC-1, airborne TTY set. (USAF)	CCTB
TT-145/ AGC-2	TPR	60	R/O	Page PTR. S/a TT-144/AGC-1&(), XCPT differs in that provision is made for all standard comm characters. P/o AN/AGC-2. (USAF)	CCTB
TT-146/ AGC-1	KBD-XMTR, TTY	60	S/O	KBD to properly actuate TT-148/AGC-1&(). Comm. (letters only); 28 vdc. P/o AN/AGC-1 (USAF)	CCTB
TT-147/ AGC-2	KBD-XMTR, TTY	60	S/O	KBD to properly actuate TT-148/AGC-1. Uses standard comm KBD; 28 vdc. P/o AN/AGC-2. (USAF)	CCTB
TT-148/ AGC-1	TERM, TLG	60		Power 110v, 400 cyc, 28 vdc; 3-wire line termination. Furnishes signals to actuate the associated TT-144 and TT-145. P/o AN/AGC-1 and AN/AGC-2. (USAF)	CCTB
TT-149/FG	REPERF SET, TTY	60, 100	S/R	P/o AN/FGC-27(). Uses 7/8" chadless tape. C/o tape PTR/REPERF w/KBD, and tape XMTR, SYN. (SIGC)	CCTB
TT-150/FG	REPERF SET, TTY	60, 100	S/R	P/o AN/FGC-27()X. S/a TT-149/FG, XCPT SER. (SIGC)	CCTB

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-151/FG	REPERF SET, TTY	60, 100	S/R	P/o AN/FGC-28(). S/a TT-149/FG, XCPT WX. (SIGC)	CCTB
TT-152/FG	REPERF SET, TTY	60, 100	S/R	P/o AN/FGC-28()X. S/a TT-150/FG, XCPT WX. (SIGC)	CCTB
TT-153/FG	DISTR-XMTR, TTY	60, 100	S/O	P/o AN/FGC-37. 24/28 vdc; SER; 7/8" or 11/16" tape. (SIGC)	CCTB
TT-154/FG	TTY	60, 100	S/R	Page PTR, friction or sprocket feed, gears available for 75 WPM. 24/28vdc, SER, KBD, PERF. P/oAN/FGC-37. (SIGC)	CCTB
TT-155/FG	DISTR-XMTR, TTY	100	S/O	11/16" perforated or chadless tape; 7.00-unit code; SYN. C/o 6 ea multiple TD MXD-3 and base MXB-3. (NAVY)	CTT-M14
TT-156/FG	DISTR-XMTR, TTY	60	S/O	11/16" perforated or chadless tape; 7.00-unit code; SYN. C/o 6 ea multiple TD MXD-4 and base MXB-5. (NAVY)	CTT-M14
TT-157/FG	DISTR-XMTR, TTY	60	S/O	11/16" perforated or chadless tape; 7.00-unit code; SYN. C/o 1 ea TD-MXD-6 and base-MXB-6.	CTT-M14
TT-158/FG	DISTR-XMTR, TTY	100	S/O	6.00-unit code; 11/16" perforated or chadless tape; SER. C/o 2 ea TD-MXD-10, 1 ea TD-MXD-11, and base MXB-8. (NAVY)	CTT-M14
TT-159/UG	PEPERF-XMTR, TTY	60	S/R	C/o TYPG REPERF w/KBD FPR23M246, LB, and SYN; 11/16" chadless tape; sprocket feed. Cuts and types a tape on-or off-line, or on an outgoing or incoming radio channel. (NAVY)	CTT-M14
TT-160/FG	SYNCHRONOUS TTY MIXER			Short title SSM-4. Purpose is to keep two cryptographic units of a full duplex TTY station in synchronism with the distant TERM. (USAF)	CAOW
TT-161/FGC-38	REPERF, TTY	60,75 100	R/O	P/o AN/FGC-38 (Receiver Group). EXPER at 100 WPM; uses 11/16" chadless tape. C/o TYPG REPERF - FPR67LC246 and SYN. (NAVY)	CTT-M14
TT-162/FGC-38X	REPERF, TTY	60,75, 100	R/O	P/o AN/FGC-38X (Receiver Group). EXPER at 100 WPM; uses 11/16" chadless tape. C/o TYPG REPERF - FPR71LB246 and SER. (NAVY)	CTT-M14
TT-163/FGC-39	REPERF, TTY	60,75, 100	R/O	P/o AN/FGC-39 (Receiver Group). Uses 11/16" chadless tape; EXPER at 100 WPM. C/o TYPG REPERF - FPR67H246 and SYN. (NAVY)	CTT-M14

BY JAN DESIGNATION

NAVSHIPS 93434(A)

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JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-163A/ FGC-39A	REPERF, TTY			Cancelled; never used- replaced by TT-205/FGC-39A. (NAVY)	
TT-164/ FGC-38	REPERF, TTY	60, 75, R/O 100		P/o AN/FGC-38 (Monitor Group). EXPER at 100 WPM; uses 11/16" chadless tape. C/o TYPG REPERF - FPR68LC246 and SYN. (NAVY)	CTT-M14
TT-165/ FGC-38X	REPERF, TTY	60, 75, R/O 100		P/o AN/FGC-38X (Monitor Group). EXPER at 100 WPM; uses 11/16" chadless tape. C/o TYPG REPERF - FPR68LB246 and SER. (NAVY)	CTT-M14
TT-166/ FGC-39	REPERF, TTY	60, 75, R/O 100		P/o AN/FGC-39 (Monitor Group). EXPER at 100 WPM; uses 11/16" chadless tape. C/o TYPG REPERF - FPR68H246 and SYN. (NAVY)	CTT-M14
TT-166A/ FGC-39	REPERF, TTY			Cancelled; never used- replaced by TT-204/FGC-39A. (NAVY)	
TT-167/ FGC-38	DISTR-XMTR, TTY	60, 75 100	S/O	P/o AN/FGC-38, 38X. EXPER at 100 WPM; uses 11/16" chadless tape. C/o multiple message TD-MXD24. (NAVY)	CTT-M14
TT-168/ FGC-39	DISTR-XMTR, TTY	60	S/O	P/o AN/FGC-39. Uses 11/16" chadless tape. C/o multiple message TD (7.00-unit code) MXD28 and SYN. (NAVY)	CTT-M14
TT-169/ FGC-38	DISTR-XMTR, TTY	60, 75 100	S/O	P/o AN/FGC-38. EXPER at 100 WPM; uses 11/16" chadless tape. C/o multiple numbering TD-MXD25. (NAVY)	CTT-M14
TT-170/ FGC-39	DISTR-XMTR, TTY	60	S/O	P/o AN/FGC-39. C/o multiple numbering, SYN, 11/16" chadless tape TD-MXD29, (7.00-unit code). (NAVY)	CTT-M14
TT-171/UG	TTY	60	R/O	Page PTR, similar in function to TT-47, 47A/UG, XCPT R/O. Capable of 75 and 100 WPM operation. C/o TBL (console-shock mounted), TYPER, base, and SYN. (NAVY)	CTT-M28
TT-171A/ UG	TTY	60	R/O	Page PTR, capable of 75 and 100 WPM operation. S/a TTY TT-171/UG, XCPT improved design. (NAVY)	CTT-M28
TT-172/GG	TTY	60, 66, 100	S/R	Page PTR. C/o KBD, SER, built in line unit night light; lightweight. P/o AN/GRC-26. (SIGC)	CCTB
TT-173/TG	TTY	66	S/R	Page PTR; portable. Power: ac, 115v, 60 cyc; 115vdc, SER; European KBD; 69 characters per line. (SIGC)	CCTB-M100C

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-173A/ TG	TTY	66	S/R	Page PTR. P/o AN/TGC-7A; portable. Power: ac, 110v, 60 cyc, single phase; dc, 110v. European KBD; 69 characters per line; SER. (SIGC)	CCTB-M100D
TT-174/FG	DISTR-XMTR, TTY	60,75 100, 115	S/O	Constant speed, SYN; for 2-wire loop XMSN; 7.42 unit code. Power: ac, 110v, 60 cyc, single phase. A cam distr, type XMTR. 7/8" chad tape. P/o AN/FGC-30. (SIGC)	CCTB-M107
TT-174A/ FG	DISTR-XMTR, TTY	60,75,S/O 100, 115	S/O	S/a TT-174/FG, XCPT maintenance parts. P/o AN/FGC-30 (SIGC)	CCTB-90247A
TT-175/FG	REPERF, TTY	60,66,R/O 100	R/O	7/8" chad tape; SYN. C/o TT-107/FG and TBL. P/o AN/FGC-30 (SIGC)	CCTB-M108
TT-175A/ FG	REPERF, TTY	60,75,R/O 100	R/O	C/o TT-107B/FG and TBL, SYN. P/o AN/FGC-30. S/a previous model, XCPT maintenance parts. (SIGC)	CCTB
TT-176/UG	TTY	60	S/R	Page PTR; portable. C/o typer, KBD, SYN, service assy, (special cover for rack mounting). Capable of 75 and 100 WPM operation. (NAVY)	CTT-M28
TT-176A/UG	TTY	60 100	S/R	Portable, general purpose page PTR for wire or radio CKTS. Type of motor: SYN. It has std comm KBD, and utilizes the std 7.42 unit code. TT-176A/UG is mechanically, electrically, and functionally interchangeable with TTY TT-176/UG. TT-176A/UG includes a modified KBD-XMTR, TTY MX-1677A/UG, and a new TYPG Unit, TTY MX-3080/UG. This unit is mounted in a std. rack. In addition to the above it c/o Cover, TTY CW-354/UG; Motor, AC PD-17A/U; Panel, Power Distribution SB-408/UG; and Set of gears. (NAVY)	CTT-M28
TT-177/ TGC	REPERF-XMTR, TTY	60, 100	S/R	P/o AN/GGC-5; uses 7/8" chad tape; tape relay service. Mounts on TBL, also provides for local punched tape. C/o WX, KBD, SER, and REPERF-XMTR. (SIGC)	CCTB
TT-178/FG	REPERF-XMTR TTY	60, 100	S/R	P/o AN/FGC-25X. U/w TT-119/FG and FN-65/FG. Includes built in power supply ac-dc. C/o REPERF, TD, SER; 7/8" chad tape. (SIGC)	CCTB
TT-178A/ FG	REPERF-XMTR, TTY	60, 100	S/R	S/a previous model, XCPT maintenance parts. (SIGC)	CCTB-59875A

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-179/FG	REPERF-XMTR, TTY	60, 100	S/R	P/o AN/FGC-25(); u/w TT-117/FG, FN-65/FG. Built in power supply ac-dc. C/o REPERF, TD, SYN; 7/8" chad tape.	CCTB
TT-179A/FG	REPERF-XMTR, TTY	60, 100	S/R	S/a previous model, XCPT maintenance parts. (SIGC)	CCTB-59850A
TT-180/FG	REPERF-XMTR, TTY	60, 100	S/R	S/a TT-178/FG, XCPT WX and p/o AN/FGC-26X. (SIGC)	CCTB
TT-181/FG	REPERF-XMTR, TTY	60, 100	S/R	S/a TT-179/FG, XCPT WX and p/o AN/FGC-26(). (SIGC)	CCTB-59950A
TT-182/FG	REPERF TTY	75	S/R	Similar to TT-105/FG, XCPT speed; chadless tape; C/o TYPG unit w/KBD FPR23H246, SYN; LB. (NAVY)	CTT-M14
TT-183/GGA-1A	TTY	75	S/R	P/o AN/GGA-1A; page PTR. S/a TT-47/UG, XCPT modified for 75 WPM, standard and special DWI type boxes.	CTT-M28 (modified)
TT-184/GGA-1B	TTY	75	S/R	P/o AN/GGA-1B; page PTR. S/a TT-69/UG, XCPT modified for 75 WPM, standard and special DWI type boxes. (NAVY)	CTT-M28 (modified)
TT-185/GRD-6	DISTR-XMTR, TTY			Classified equipment. (NAVY)	
TT-186/FG	REPERF, TTY	75	R/O	S/a TT-45/FG, XCPT 75 WPM. (NAVY)	CTT-M14
TT-187/UG	DISTR-XMTR, TTY	60,75, 100	S/O	Chad or chadless 11/16" tape; capable of 75 and 100 WPM operation. C/o TD-LXD1 on base-LXDB1, SYN-LMU3 (PD-17A/U), Gear set for 60, 75 and 100 wpm and TTY Cover (NAVY)	CTT-M28
TT-188/FG	REPERF SET, TTY	60	S/R	11/16" chad tape; non-TYPG. C/o TT-52 TD, TT-189 REPERF, RECT, TBL, SER. (SIGC)	CTT-M14
TT-189/FG	REPERF, TTY	60	R/O	U/w TT-188/FG and TT-15/FG. Non-TYPG REPERF, less motor; 11/16" chad tape. (SIGC)	CTT-Part/Dwg RPE-26
TT-190/TGC	TTY	60, 100	S/R	P/o AN/PGC-2. Page PTR for tactical field or mobile-installation. It is capable of tape receiving and KBD sending; EXPER lightweight, 24 vdc. (SIGC)	CTT-special

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-191/FG	DISTR-XMTR, TTY	60,66, 75, 100, 250, 750	S/O	TT-191/FG - One channel start-stop motor is electronically timed, hi-speed, solenoid stepping type motor; 11/16" or 7/8" chad tape. (SIGC)	
TT-192/UG	REPERF, TTY	60, 100	R/O	C/o SYN-LMU3, base, code reading contact assembly, panel, power distribution; 11/16" chadless tape; TYPG REPERF - LPR (E-93529). (Punches square holes).	CTT-M28
TT-193/ GGA	REPERF-XMTR, TTY	60,75, 100	S/R	11/16" tape. C/o TYPG REPERF, TD, tape storage bin, SER, and 7-unit code. (USAF - 240.)	
TT-194/UG	PERF, TTY			11/16" chad tape. C/o TYPG unit FPR74HC235, SYN, KBD, (space between perforations 1/2 inch.) (NAVY)	CTT-M14
TT-195/FG	REPERF, TTY	60,66, 75, 100, 250, 750	R/O	TYPG REPERF, SYN; 7/8" chad tape (signal selection, translation and printing by electronic method); std comm. (SIGC)	CCTB
TT-196/ GPA-29A	NOT TTY EQUIP			Changed to PT-410/GPA-29A.	
TT-197/ FGC-44	SIGNAL DISTR- TIMER			Provides various sampling pulses for demultiplexing, addition of stop space and storage drivers. Signal Distr-Timer is p/o AN/FGC-44. (NAVY)	CBED
TT-198/ FGC-44	SIGNAL DISTR- TIMER			Stores and multiplexes 8 channels of synchronous teletype info, samples pulses for demultiplexing of same signal in combinations of 1, 2 and 4 channels per line. Signal distr timer is p/o AN/FGC-44. (NAVY)	CBED
TT-199/GG	TPR			Comm computer code hi-speed printing device; prints carbon or reproducible copies. U/w data handling EQUIP. (USAF)	
TT-200/ FGC-38A	REPERF, TTY	60,75, 100	R/O	P/o AN/FGC-38A (receiver group). C/o TYPG REPERF - FPR75LC246, SYN; 11/16" chadless tape. (NAVY)	CTT-M14
TT-201/ FGC-38A	REPERF, TTY	60,75, 100	R/O	P/o AN/FGC-38A (monitor group). C/o TYPG REPERF - FPR74LC246, SYN; 11/16" chadless tape. (NAVY)	CTT-M14
TT-202/ FGC-38AX	REPERF, TTY	60,75, 100	R/O	P/o AN/FGC-38AX. C/o TYPG REPERF - FPR74LB246, SER; 11/16" chadless tape. (NAVY)	CTT-M14

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-203/ FGC-38AX	REPERF, TTY	60,75 100	R/O	P/o AN/FGC-38AX. C/o TYPG REPERF - FPR75LB246. SER; 11/16" chadless tape. (NAVY)	CTT-M14
TT-204/ FGC-39A	REPERF, TTY	60	R/O	P/o AN/FGC-39A (monitor group). C/o TYPG REPERF-FPR74H246, SYN; 11/16" chadless tape. (NAVY)	CTT-M14
TT-205/ FGC-39A	REPERF, TTY	60	R/O	P/o AN/FGC-39A (receiver group). C/o TYPG REPERF FPR75H246, SYN; 11/16" chadless tape. (NAVY)	CTT-M14
TT-206/U	COUNTER, ELECTRICAL			This is used in 60-ma TTY CKTS as a TTY word counter, counting one word for each six TTY operations. (USAF)	
TT-207/FG	TTY	60	S/R	Page PTR, friction or sprocket feed option. KBD, SYN. P/o AN/FGC-45. (SIGC)	CCTB-M150
TT-208/FG	TTY	60	S/R	P/o AN/FGC-46; 76 characters per line; WX, KBD, SYN, page PTR, friction or sprocket feed option. (SIGC)	CCTB-M151
TT-209/FG	TTY	60	R/O	SYN, page PTR, friction or sprocket feed. P/o AN/FGC-47. (SIGC)	CCTB-M150R
TT-210/FG	TTY	60	R/O	WX, SYN, page PTR, friction or sprocket feed-option, (76 characters per line). P/o AN/FGC-48. (SIGC)	CCTB-M151R
TT-211/ GSQ-11	ELECTROWRITER		R/O	This is a heavy duty, electric typewriter. It receives coded signals from AN/GSQ-11() components; KBD-American Std, 43 keys. P/o AN/GSQ-11(). (USAF)	CDK
TT-212/FG	DISTR-XMTR, TTY	60	S/O	S/a TT-158/FG, XCPT SER. (NAVY)	CTT
TT-213/ GSQ-20	PERF, TTY			11/16" chad tape. This item punches in TTY code digital data associated with WX reconnaissance (auxiliary data). P/o AN/GSQ-20(). (USAF)	
TT-214/ GGT	DISTR-XMTR, TTY	60,75, 100	S/O	TD contains interchangeable segment code disks for 3-letter station identification and uses code disks in lieu of tape, transmitting only std test msg and sta. identification. SER, TD. (USAF)	
TT-215/ GGT	DISTR-XMTR, TTY	60,75, 100		S/a TT-214/GGT, XCPT SYN. (USAF)	

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-216/ FIC-T1	TTY		S/R	Semiautomatic S/R typed information. This is a commercial item and resembles a typewriter. P/o AN/FIC-T1. (NAVY 171)	CAXY-Model FTM
TT-217/ FIC-T1	TTY		S/R	S/a TT-216, XCPT provides facilities for punching a tape and sending msg from tape. (NAVY 172)	CAXY-Model FTM
TT-218/ FGT-3	DISTR-XMTR, TTY	60	S/O	Uses 7/8" chad or chadless tape, SER. (USAF)	CW-G243062-1
TT-219/ GTT	REPERF, TTY			Cancelled; never procured, stocked, or issued. (USAF)	
TT-220/ GTT	DISTR-XMTR, TTY			Cancelled; never procured, stocked, or issued. (USAF)	
TT-221/ FGT-3	SIGNAL, SWBD			Indicate incoming signal on teletype line by indicator light and buzzer. U/w SB-749 for calling, signaling, and patching functions. P/o AN/FGT-3. (USAF)	CW-GI-18197
TT-222/ FGT-3	DISTR-XMTR, TTY		S/O	3 channels. This TD functions as a XMTR for teletype msgs, transmitting 3 different fixed format teletype msgs. P/o AN/FGT-3. (USAF)	CW-GS18092
TT-223/ FGT-3	DISTR-XMTR, TTY		S/O	3 channels. S/a TT-222/FGT-3, but not interchangeable due to different type internal wiring harness. P/o AN/FGT-3. (USAF)	
TT-224/TG	REPERF, TTY		R/O	11/16" chad tape; SYN. P/o AN/TGC-5, AN/TGC-5A and AN/TGC-12. Monitors incoming or outgoing signal. (SIGC)	CCTB-M179, Ref 58266A
TT-225/TG	REPERF, TTY		R/O	S/a TT-224/TG, XCPT SER, and p/o AN/TGC-5X, AN/TGC-5AX and AN/TGC-12X. (SIGC)	CCTB-M180, Ref 58073A
TT-226/FG	REPERF SET, TTY		R/O	Uses 7/8" chad tape; SYN, REPERF, plus accessories. P/o AN/FGC-30. (SIGC)	CCTB-M101B
TT-227/FG	REPERF SET, TTY		R/O	Uses 7/8" chad tape, SYN, REPERF, plus accessories. P/o AN/FGC-30. (SIGC)	CCTB-M102B
TT-228/FG	REPERF, TTY		R/O	Uses 7/8" chad tape, SYN, REPERF. P/o AN/FGC-30. (SIGC)	CCTB-M103B
TT-229/FG	DISTR-XMTR, TTY	60,75, 100	S/O	Uses 7/8" chad tape, SYN. P/o AN/FGC-30. (SIGC)	CCTB-M104B
TT-230/FG	REPERF, TTY	60, 100	R/O	Uses 7/8" chad tape; SYN. P/o AN/FGC-30. (SIGC)	CCTB-M105B

BY JAN DESIGNATION

NAVSHIPS 93434(A)

TTY AND FAX INDEX

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-231/FG	REPERF SET, TTY	60, 100	R/O	Uses 7/8" chad tape, SYN, REPERF, plus accessories. P/o AN/FGC-30. (SIGC)	CCTB-M106B
TT-232/FG	TTY	60	S/R	Page PTR, for msgs on meteorological data, 76 characters per line. C/o WX, KBD, TYPG unit, base, SYN, RECT, and TBL. (SIGC)	CTT-M15
TT-233/ FRC-44	DISTR-XMTR, TTY	60	S/O	Uses 11/16" chadless tape; Ser; external stepping switch. P/o OA-1710/FRC-44&(). (USAF)	COL-522-8707-004
TT-234/ SGA-3	TTY	75	S/R	C/o cabinet, KBD-XMTR TYPG unit, and SYN. Page PTR. P/o AN/SGA-3. (NAVY-57-X-1880)	CTT-M28
TT-235/FG	DISTR-XMTR, TTY	60	S/O	7.0-unit code; 11/16" or 7/8" chad or chadless tape; includes gear for 100 WPM; SYN; a cam distr, type tape XMTR. (USAF)	
TT-236/FG	DISTR-XMTR, TTY	60	S/O	S/a TT-235/FG, XCPT SER. (USAF)	
TT-237/ GGC-6	TTY	60, 100	S/R	Portable; KBD, SER, sprocket feed, page PTR, 7.0-unit code. P/o AN/GGC-6&(). (USAF)	
TT-237A/ GGC-6	TTY	60, 100	S/R	S/a TT-237/GGC-6, XCPT maintenance parts. (USAF)	
TT-238/ FRC-44	TPR			Cancelled; never procured, stocked, or issued. (USAF)	
TT-239/FG	READER, TAPE, TTY	60, 125		Reads tape from KL model 105 monitor. U/w Kl inschmidt switching centers. C/o 5 channels; p/o AN/FGC-30. Signal read-out on simultaneous basis, either neutral or polar. Stepping of tape controlled by the markable TD-(TT-174/FG) numbering pulse. (SIGC)	CCTB-59625A
TT-240/UG	TTY	60, 100	S/R	C/o automatic typer, KBD, SER, page PTR. Similar to Navy TT-176/UG, XCPT SER. Will provide a nomenclature series of SYN versus series governed motor versions of Teletype Model 28. (SIGC)	CTT
TT-241/UG	TTY	60,75,R/O 100		Similar to TT-171/UG-Navy, XCPT SER. Page PTR will provide a nomenclature series of SYN versus series motor versions of Teletype Model 28, (SIGC)	CTT
TT-242/UG	TTY	60,75, S/R 100		Portable, page PTR, SYN tape receiving and KBD sending, adaptable for shock mounting. This is a modified TT-190()/FGC. (NAVY)	CTT-Special

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-243/FG	TTY	60	S/R	Similar to and 1-way inter-changeable with TT-47B/UG, XCPT for selective calling feature. This EQUIP is not shock mounted. C/o page PTR, KBD, SYN, relay, RECT. Capable of 75 and 100 WPM operation. (SIGC)	CTT-M28
TT-244/FG	TTY	60	S/R	Similar to and 1-way inter-changeable with TT-48A/UG. XCPT for selective calling feature. This EQUIP is not shock mounted. C/o page PTR, SYN, KBD, relay, and RECT. Capable of 75 and 100 WPM operation. (SIGC)	CTT-M28
TT-245/FG	TTY	60,75,100	S/R	Similar to and 1-way inter-changeable with TT-100/FG. C/o page PTR, KBD, and SYN; friction or sprocket feed. (SIGC)	CCTB-M150-SYN
TT-246/FG	TTY	60,75,100	S/R	Similar to and 1-way inter-changeable with TT-98/FG. C/o page PTR, KBD, and SER; friction or sprocket feed. (SIGC)	CCTB-M150-SER
TT-247/FG	TTY	60	S/R	Similar to and 1-way inter-changeable with TT-69A/UG, XCPT for selective calling feature. This is not shock mounted. C/o page PTR, KBD, SYN, relay and RECT. Capable of 75 and 100 WPM operation. (SIGC)	CTT-M28
TT-248/FG	TTY	60	S/R	Similar to and 1-way inter-changeable with TT-70A/UG, XCPT for selective calling feature. This is not shock mounted. C/o page PTR, KBD, SER, relay, and RECT. Capable of 75 and 100 WPM operation. (SIGC)	CTT-M28
TT-249/FG	DISTR-XMTR, TTY	75	S/O	11/16" chad or chadless tape; weight-28 pounds; modified TD TT-21/FG, SYN, changed speed to 75 WPM. U/w SSM-3 and 33, AN/FGQ1(), and TT-60(). (USAF)	CTT
TT-250/FG	REPERF-XMTR, TTY	60,100	S/R	Sprocket feed; SYN, REPERF and TD; 7/8" tape. P/o AN/FGC-57. (SIGC)	CCTB
TT-251/UG	DISTR-XMTR, TTY	60,75,100	S/O	7.42 unit code; one channel. Tape data; 11/16" W chadless. Operating power; 115 vdc. P/o TTY Set AN/UGC-5, -5X -6, -6X, -7, -7X, -8, and -8X. (NAVY)	CTT-LXD3, M28 ASR
TT-252/UG	PERF, TTY			Tape printing; perforating. KBD controlled, 11/16" tape-chadless. P/o AN/UGC-5, 5X, 6, 6X, 7, 7X, 8, 8X. (NAVY)	CTT-LTPE1RAA, M28ASR

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-253/UG	PERF-REPERF, TYPG	60	S/R	Prepares a perforated and type-written tape for on or off line use. C/o REPERF, KBD-XMTR, SYN (PD-17A/U) and cover. S/a TT-192/UG. XCPT M28 KBD-LTRK1ARN. Capable of 75, and 100 WPM operation. Uses 11/16-inch chadless tape. (NAVY)	CTT-M28
TT-254/FG	REPERF SET, TTY	60, 100	S/R	REPERF, SYN, 7/8" chad tape, plus accessories. Prints, reads, and retransmits incoming msgs. P/o AN/FGC-30. (SIGC)	CCTB-M101C
TT-255/FG	REPERF SET, TTY	60, 100	R/O	REPERF, SYN, 7/8" chad tape, plus accessories. Records and stores for outgoing lines. P/o AN/FGC-30. (SIGC)	CCTB-M102C
TT-256/FG	DISTR-XMTR, TTY	60,75, 100	S/O	TD, SYN, 7/8" chad tape, manual control forwarding unit. P/o AN/FGC-30. (SIGC)	CCTB-M104C
TT-257/FG	REPERF SET, TTY	60, 100	S/R	REPERF, SYN, 7/8" chad tape; records stores, and retransmits multiple call msgs. P/o AN/FGC-30. (SIGC)	CCTB-M106C
TT-258/URT	TERM, TLG			Cancelled, and replaced by TERM, TLG TH-39/UGT. (NAVY)	
TT-259/FG	TPR	60,66, 75, 100	R/O	Operating power: 110V, 60 cps, 1 ph. It uses SYN motor; and has STD Comm. Page PTR, 72 characters per line, and is friction or sprocket feed. It is not equipped with a power supply. (SIGC)	CCTB-Part/dwg 90291A
TT-260/FG	DISTR-XMTR, TTY	60, 66,75, 100	S/O	7.42 unit code; 1 channel; 7/8" W chad tape; transmitting speed as driven. U/w but not p/o AN/TGC-5, -5A, -5X, and -5AX EQUIP. (SIGC)	CCTB-Part/dwg 90159A
TT-261/UG	TTY	60	R/O	Capable of 75 and 100 WPM operation; SYN page PTR, 7.42-unit code; fixed. S/a TT-69B/UG, XCPT without KBD; for bulkhead mounting, for wire or radio CKTS. (NAVY)	CTT-M28
TT-262/FG	TPR	60		This unit features: 7.42 unit code; English comm; Murray style pallets; RN arrangement; 46 characters per line; SYN motor. Operating power: 115v, 60 cps, 1 ph. Capable of 100 WPM operation. It uses 5-1/2" w by 4" dia. roll of transparent web instead of paper. Ten character per inch spacing. Stunt box arrangement is "AS", but can be modified for selective calling. TT-262/FG projects XMSN and reception of messages visually for conference CKTS. (SIGC)	CTT-M28

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-263()/G	XMTR, DIGITAL DATA		S/O	Input signal data: 1 mechanical. Output signal data: 100 cps, 0 dbm (600 ohms). Facilities provided for internal battery which will supply voltages of 6 and 12v. This unit is used to generate TTY signals in the standard start-stop, five unit code. The output signal is AF shift carrier using 1325 cps to transmit the mark pulse, and 1225 cps for the space pulse. The output signal can be transmitted by FM radio CKT or a telephone wire CKT. The unit is for field use, and utilizes transistorized and printed circuitry. The KBD has thirteen key rows to allow XMSN or digits 0 thru 9, space, bell, and figure shift. Operation of the KBD mechanically stores up to 15 digits in the XMTR. Also the message is presented before a window allowing the operator to check the message to be transmitted. The operator then operates a key to transmit the entire message to std. TTY speed of 60 WPM or 100 WPM. TT-263()/G is u/w, but not p/o AN/PRC-10, AN/TCC-14 and TT-107/FG. (SIGC)	CCPK-Model No. 1, TR-CSD-8-58
TT-264/AG	TTY	60, 75, 100	S/R	Portable, SYN page PTR with std comm KBD, English characters, and provides for 75 characters per line. It is friction fed, and utilizes 7.42 unit code. It has self-contained speed-change gears. AC power: 110/220v, 400 cps, 3 ph; DC power: 28v, 9.5 amps. Alternate power requirements can be met depending on how EQUIP is ordered. (NAVY)	CCVS-Model 104
TT-265/UG	PERF, TTY			TYPG PERF for specific use. It has English characters, and uses 11/16" w chadless tape. It features tape backspace, TYPG mechanism, WX arrangement characters. TT-265/UG is p/o TTY Sets AN/UGC-7, -7X, -8, and -8X. (NAVY)	CCT-LTPEIARE, Model 28 ASR
TT-266/UG	REPERF, TTY	60	R/O	TT-266/UG is capable of 75 and 100 WPM operation. This is a TYPG REPERF for specific use. Tape data: 11/16" w chadless tape. Operating power: 115 VDC. It features comm. characters, power backspace, signal bell contacts-upper case "S", non-interfering blank tape feed out, TYPG mechanism. TT-266/UG is p/o TTY Sets AN/UGC-6 and -6X. (NAVY)	CTT-LPR9AWA, Model 28 ASR
TT-267/UG	REPERF, TTY	60	R/O	This is a TYPG REPERF for specific use. Tape data: 11/16" w chadless tape. Operating power: 115 VDC. It features WX arrangement characters, and a TYPG mechanism. TT-267/UG is p/o TTY Sets AN/UGC-8 and -8X. This unit is capable of 75 and 100 WPM operation.	CTT-LPR9ARE, Model 28 ASR

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-268/UG	DISTR-XMTR, REPERF			This unit c/o automatic TTY PERF (made by Soroban Engineering, Inc.) and a TTY reader (made by Teletype Corp.), mounted on a common panel and housed in a common electrical EQUIP cabinet. It can be operated rack or TBL mounted. PERF-Reader as per SHIPS-P-3058. Operating power: 105/115/125V, 60 cps, 1 ph. (NAVY)	CTT & CCXX
TT-269/FG	TTY	60,75 100	S/R	Page PTR with std. comm. KBD, English characters. It is capable of 66 WPM operation. EQUIP characteristics: 72 characters per line; SYN motor; friction and sprocket feed; KBD is 8.0 unit code. Operating power requirement: 110V, 60 cps, 1 ph. TT-269/FG is a p/o TTY Set AN/FGC-52(). (SIGC)	CCTB-Part/DWG 61328A
TT-270/FG	REPERF-XMTR, TTY	60, 75,100	S/R	SYN TYPG REPERF, std comm with a TD unit that is 7.0 free running. It is capable of 66 WPM operation. Tape data: 7/8" or 11/16" w. C/o REPERF and TD. Operating power: 110V, 60 cps, 1 ph. P/o AN/FGC-52. (SIGC)	CCTB-Part/dwg 61329A
TT-271/FG	TTY	60,75 100	S/R	S/a TT-269/FG, XCPT, SER. P/o AN/FGC-52X. (SIGC)	CCTB-Part/dwg 61311A
TT-272/FG	REPERF-XMTR, TTY	60, 75,100	S/R	S/a TT-270/FG, XCPT SER. P/o AN/FGX-52X. (SIGC)	CCTB-Part/dwg 61310A
TT-273/UG	DISTR-XMTR, TTY	60, 75,100	S/O	This is a portable TD with SER motor. C/o TD LXDI; Base Unit LXDB1; Motor, AC PD-18/U (part no. LMU4); Cover LXDC200BR; Gear set for 60, 75, 100 WPM; and speed indicator. (NAVY)	CTT-M28
TT-274/UG	REPERF, TTY	60	R/O	SER, TYPG REPERF, BLANK metered tape feed-out, shock mounts, plus other special features. Capable of 75WPM or 100 WPM operation. Tape data: 11/16" w chadless tape. C/o REPERF, TTY TT-266/UG; Base unit LRB8; Motor, AC PD-18/U (part no. LMU4); Cover LRC202BR; and REPERF speed indicator 109628. (NAVY)	CTT-M28
TT-275/UG	TTY	60	R/O	SER, page PTR with std comm, English characters. This unit is a portable station, for general purpose use. TT-275/UG is similar to TT-261/UG, XCPT SER motor. C/o Cabinet, Electrical EQUIP CY-2539/UG; Base Unit, TTY MT-1443/UG; Motor, AC PD-18/U; Panel, Power Distribution SB-964/UG; TYPG Unit, TTY MX-1115B/UG; and Set of gears part no. 104986. (NAVY)	CCT-M28

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-276/UG	REPERF, TTY	60, 75, 100	R/O	Non-TYPG REPERF for specific use. 7.42 unit code; tape data: chadless, 11/16" w tape; SYN motor. Operating power requirements: 115 VAC, 60 cps, 1 ph; and 115 VDC. Special features: manual interfering letters tape feed-out, and signal bell contacts. This Set is p/o AN/UGC-10 and is u/w, but not p/o MT-2271/UG. (NAVY)	CTT-LPR4RAA
TT-277/UG	DISTR-XMTR, TTY	60, 75, 100		TT-277/UG is a single channel TD for specific use. It utilizes the std 7.42 unit code. Tape data: 11/16" w chadless tape. Operating power requirement: 115 VDC. Special features: special transmitting cam sleeve assembly, adjustable screws as backstops for each individual contact, feed pawl and armature springs for high speed operation, hinged tape lid, transmitting contacts filter, unit cable terminates in plug connection, and all metal internal expansion clutch. This unit is p/o AN/UGC-10. (NAVY)	CTT-MXD36
TT-278/UG	DISTR-XMTR, TTY	60, 75, 100	S/O	TT-278/UG is for specific use, and utilizes the std 7.42 unit code. Operating power requirement: 115 VDC. Special features for this unit are the s/a for TT-277/UG. TT-278/UG is p/o AN/UGC-10, and is u/w, but not a p/o MT-2272/UG. (NAVY)	CTT-Part No. MFD7
TT-279/UG	REPERF, TTY	60	R/O	This unit is a SYN, TYPG REPERF for specific use. It utilizes the std. 7.42 unit code. Tape data: 11/16" w chadless tape. Operating power requirement: 115V, 60 cps, 1 ph. It is similar to REPERF-XMTR, TTY TT-159/UG, XCPT less KBD base and cover. TT-279/UG is p/o AN/SGA-5. (NAVY)	CTT-FPR23H246
TT-280/ FSA-26	DISTR-XMTR, TTY	60	S/O	This DISTR-XMTR translates code combinations from a previously perforated paper tape into electrical impulses and transmits these impulses. It is a single channel TD, using the std 7.42 unit code. Tape data: 7/8" w chadless or chad tape. It has a SER motor. Operating power requirement: 110V, 60 cps, 1 ph, TT-280/FSA-26 is p/o OA-2564/FSA-26. (USAF)	CW-Part/dwg G318171
TT-281/ FSA-26	DISTR-XMTR, TTY	60	S/O	This single channel TD transmits three different fixed-format TTY messages: type "R" message is used to transmit information on an object picked up on a pulse type radar, type "F" is information on objects detected by a flutter, the TEST message is used to test the surveillance TTY system. This unit has a SER motor and uses the std. 7.42 unit code. Operating power: 120V, 60 cps, 1 ph; and 48 VDC. TT-281/FSA-26 is p/o OA-2564/FSA-26. (USAF)	CW-part/spec. no. GS65287, L1

Designation JAN	Description	WPM Speed	Type	Remarks and Major Components	Designation Commercial
TT-282/ FSA-26	DISTR-XMTR, TTY	60	S/O	The description for TT-282/FSA-26 is the s/a DISTR-XMTR. TTY TT-281/FSA-26, XCPT the manufactures part/spec. no. differs. This unit is p/o OA-2554/FSA-26. (USAF)	CW-Part/spec. GS-65287-L2
TT-283/UG	TTY	60	R/O	Portable station, Page PTR with English characters. Capable of accepting a 20 ma or 60 ma signal. Motor type: SYN. Operating power: 115 VAC, 60 cps, 1 ph; and 115 VDC. TT-283/UG is similar to TTY TT-171/UG and TT-171A/UG, XCPT it has a SER motor. C/o Electrical EQUIP Cabinet CY-2538/UG, TTY Base MT-1443/UG, AC Motor PD-18/U, Power Distribution Panel SB-964/UG, TYPG Unit, TTY MX-1115B/UG, Set of gears, and speed indicator. (NAVY)	CTT-M28 PTR
TT-284/UG	TTY	60, 75, 100	R/O	Portable, lightweight Page PTR with English characters. Motor type: SYN. Operating power: 115V, 60 cps, 1 ph. For general purpose use, and is similar to TTY TT-242/UG, XCPT it has no KBD. Adptable for shock mounting. (NAVY)	CTT-Special
TT-285/ GSQ-39	ADDRESS KBD			It is an electromechanical KBD which develops a nine level code for each of fourteen keys. The code output is used to set a flip-flop register associated with the video display. It has a pulse output. TT-285/GSQ-39 is p/o Console, Data Transcriber OA-2215/GSQ-39. (USAF)	CCQF-Part No. 123-54-255-0000-01
TT-286/ GSQ-39	CHARACTER KBD			It is an electromechanical KBD which develops a six level code for each letter of the English alphabet, each arabic numeral, and six punctuation marks. It is similar in appearance to a standard typewriter KBD. It has a pulse output. TT-286/GSQ-39 is p/o Console, Data Transceiver OA-2215/GSQ-39. (USAF)	CCQF-Dwg No. 123-54-256-0000-01 CCXK
TT-292/UG	PERF-REPERF, TTY	60	S/R	This unit is a SER, TYPG REPERF that prepares a perforated and typewritten tape (11/16" w chadless tape) for on or off-line use, or receives a perforated and typewritten tape from on-line signals. Power required: 115 VAC, 60 cps, 1 ph; and 115 VDC. Utilizes the std 7.42 unit code. C/o REPERF, TTY LPR9AWA; KBD-XMTR, TTY LTRK1-ARN; Motor, AC PD-18/U (C1T-LMU4); Cover, TTY LSRC200BR; and speed indicator. (NAVY)	CTT-M28
TT-293/FG	TTY	60, 66,75 100	S/R	This unit is a fixed station Page PTR for general purpose use. It has a SER motor and can send and receive WX comm. EQUIP characteristics: WX comm. KBD, English characters. 76 characters per line; friction or sprocket feed; KBD 8.00 unit	CCTB-Model 62080A

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
				code. Operating power requirements: 110V, 60 cps, 1 ph; and 110 VDC - alternate power requirements.. TT-293/FG is p/o AN/FGC-64. (SIGC)	
TT-294/ TPQ-13	TPR			This unit prints the outputs of the computer during operation and test. The information printed is also used as a permanent record of the computer. Type data: English comm. characters, Greek letters; light line gothic style pallets; 10 characters per line. Paper data: 2-3/4" w roll; and 2-3/4" dia. roll over-all. It has a SER governed dc - PM motor. Operating speed: 5 lines per second. Operating power requirement: 115V, 60 cps, 3 ph delta. Govt. spec. data: SIGC SCL-5458. TT-294/TPQ-13 is p/o Console, Computer Control OA-2872/TPQ-13. (SIGC)	CS-Part No. 1037627
TT-295/ GSQ-39	PERF, PAPER TAPE			This unit is a Teletype Corp. modified commercial tape PERF. The contractor is Hoffman Electronics. EQUIP characteristics: 60 characters (5 holes) per second; output (perforated paper tape, 5 holes plug sprocket holes). Operating power: 115V, 60 cps, 1 ph; and 28 VDC. TT-295/GSQ-39 is a p/o Console, Data Transcriber OA-2215/GSQ-39. (USAF)	CTT-Model BRPEB4 & CCQF-Part No. 123-55-209
TT-296/ GSQ-39	TYPEWRITER			This unit is a portable electric typewriter operable from KBD, electrical signals, and perforated paper tape (using self contained reader). Operating speed: 10 characters per second. Power required: 110 VAC, 60 cps, 1 ph; and 28 VDC. TT-296/GSQ-39 is a p/o Console, Data Transcriber OA-2215/GSQ-39. (USAF)	CCXL-Model FPC-5 CCQF-123-55-204
TT-297/UG	TTY	60, 75, 100	S/R	This unit is a send-receive miniaturized, self-contained Page PTR, less interchangeable motors, power supplies, and line sensors. EQUIP characteristics: portable, tactical; std. comm. KBD; English characters; 76 characters per line; friction feed; AC SYN, or DC SER governed, dependent on installed motor. Operating power is dependent on installed electrical accessories: Motor, AC PD-82/U (115V, 60 cps, 1 ph), or PD-83/U (115 V, 400 cps, 1 ph), and Power Supply Kit, AC MK-539/UG, or Power Supply Kit, DC MK-540/UG (Motor, DC PD-85/U is p/o MK-540/UG, 26 V DC). TT-297/UG is p/o TTY Set AN/TGC-14(V). (USMC)	CCVS

JAN		Speed		Remarks and Major Components	Commercial Designation
Designation	Description	WPM	Type		
TT-298/UG	TPR	60, 75, 100	R/O	This unit is a light weight, miniaturized Page PTR for general purpose use. It has std. comm. English characters, 76 characters per line. It utilizes the std. 7.42 unit code. It is equipped with a SYN condenser type motor (PD-82/U). TT-298/UG is p/o AN/UGC-12 but can be used independently. (USMC)	CCVS
TT-299/UG	TTY	60, 75, 100	S/R	This unit is a portable, tactical, miniaturized Page PTR for general purpose use. EQUIP characteristics: Std. comm. KBD; English characters; 76 characters per line; friction feed; 7.42 unit code. Operating power requirement: 115 V, 60 cps, 1 ph. TT-299/UG includes Motor, AC PD-82/U (SYN), Power supply line sensor and heating element. TT-299/UG is p/o TTY Set AN/UGC-12. (NAVY)	CCVS Model "MITE" 104
TT-300/FG	TTY	60, 66, 75	S/R	This unit is a fixed station Page PTR, for general purpose use. EQUIP characteristics: std comm. KBD; English characters; with interchangeable type basket; 72 characters per line; friction or sprocket feed; SER motor; 7.42 unit code. Operating power: 110 V, 60 cps, 1 ph; alternate power is 110 VDC. Specification data: MIL-T-11749B and Amend. No. 1. TT-300/FG is a p/o AN/FGC-66. (SIGC)	CCTB-Model 150
TT-301/ GMH-2	TPR	3000	R/O	This PTR, in conjunction with the DISTR, Receiving TT-302/GMH-2 and three power supplies, will receive signals from a 3000 cycle telephone line and electrographically print onto a plastic coated paper roll alpha numeric and WX symbols from the code which is received. Unit code is variable, by plug-in electronic modules. The TPR can be used with 5, 6, 7 and 8 level code. No mechanical pallets are used with this unit. The character style is a 5x7 dot matrix; 10 point character size, 5 lines per inch; 72 characters per line. It accomodates a 1000 ft. roll of plastic coated paper. The operating speed is up to 3000 WPM. Equipped with a SYN motor. Operating power: 1.05 kw, 105-125 VAC, 47-63 cps, 1 ph. TT-301/GMH-2 is a p/o AN/GMH-2. (USAF)	CCXM-DAG 1002
TT-302/ GMH-2	DISTR, RECEIVING		R/O	This unit receives messages in telecode form (serial form) and converts the data to a form suitable for use by the TPR TT-301/GMH-2, (parallel form). Power required: 110V, 60 cps, 1 ph. TT-302/GMH-2 is a p/o AN/GMH-2. (USAF)	CCXM-DAG 1003

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-304()/ TG	TPR, ELECTRO-GRAPHIC	750, 1500, 3000	R/O	This EQUIP will be the receiving unit in a high speed TTY system, used for page recording and monitoring. The unit supplied is to accept 5 level Baudot code in parallel form. By ordering appropriate electronic plug-in modules the unit can accept 5 level code in parallel form. Type data: std. comm. symbols; symbols formed from 5 x 7 dot matrix; ten point type size; 5 lines per inch; no type bars are used; 72 characters per line. Paper data: plastic coated, roll form, 8-1/2" w; 500 ft. length. It has an induction type motor. Operating power: 115V, 50-60 cps, 1 ph. (SIGC)	
TT-305()/ TY	TPR, ELECTROGRAPHIC	750, 1500, 3000	R/O	This EQUIP will be the receiving and monitoring unit in data XMSN. The unit supplied is to accept 8 level FIELDATA Code in parallel form. By ordering appropriate electronic plug-in modules the unit can accept 8 level code in parallel form. Type data: FIELDATA symbols; symbols formed from 5 x 7 dot matrix; 10 point type size; 5 lines per inch; no type bars are used; 72 characters per line. Paper data: plastic coated, roll form, 8-1/2" w; 500 ft. length. It has an induction type motor. Operating power: 115V, 50-60 cps, 1 ph. (SIGC)	
TT-306/UG	TTY		R/O	This is a portable or fixed station, receive only Page PTR. EQUIP characteristics: friction feed; std. comm KBD; SYN motor; 72 characters per line; 7.00 unit code; rack mounted in a console. C/o Cover CW-568/UG, TTY Base Unit MT-2419/UG, AC Motor PD-17A/U, Power Distribution Panel SB-1226/UG, TTY TYPG Unit MX-3311/UG, Gear set 163505, and Motor Driven Paper Reeling Machine RL-215/UG. (NAVY)	CTT-M28
TT-307/UG	TTY		S/R S/a	TTY TT-306/UG, XCPT it has a KBD-XMTR, TTY MX-3310/UG for transmitting. (NAVY)	CTT-M28
TT-308/UG	REPERF SET, TTY		R/O	This unit is a fixed station grouping of TYPG REPERF's with SYN motors, for specific use. The unit code is 7.00. C/o Electrical EQUIP Cabinet CY-3061/UG, 2 ea TTY Base Unit MT-2423/UG, 6 ea TTY REPERF TT-315/UG, 2 ea AC Motor PD-67/U. (NAVY)	CTT-28 Torn Tape
TT-309/UG	REPERF SET, TTY	60	R/O	This unit is a fixed station grouping of TYPG REPERF'S with SYN motors. The unit code is 7.00. C/o Electrical EQUIP Cabinet CY-3060/UG, 2 ea TTY Base Unit MT-2423/UG, 6 ea TTY REPERF TT-317/UG, 2 ea AC Motor PD-67/U, and 2 ea Motor Driven Tape Reeling Machine RL-216/UG. (NAVY)	CTT

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-310/UG	DISTR-XMTR SET TTY		S/O	Fixed station, XMTR-DISTR'S with SYN motors. This EQUIP utilizes the 7.00 unit code. C/o Cabinet, Electrical EQUIP CY-3059/UG; Base Unit, TTY MT-2421/UG; 3 ea DISTR-XMTR, TTY, TT-311/UG; 3 ea DISTR-XMTR TTY TT-312/UG; and 2 ea Motor, AC PD-17A/U. (NAVY)	CTT-M28 Tom Tape XMTR Group
TT-312/UG	DISTR-XMTR, UG TTY		S/O	This unit is for specific use. It utilizes the 7.00 unit code. No. of channels: one. Tape data: 11/16" w chadless or fully perforated. It has a 75.0 baud transmitting speed. Operating power requirements: 115 VDC. Special features: polar type XMSN, shielded signal leads, clutch magnet operation on 50 ma 120 VDC fixed head, and multi-contact. TT-312/UG is a p/o DISTR-XMTR SET, TTY TT-310/UG. (NAVY)	CTT-LBXD16
TT-313/UG	DISTR-XMTR,TTY		S/O	This unit is for specific use. It utilizes the 7.00 unit code. No. of channels: one. Tape data: 11/16" w. chadless or fully perforated. Operating power requirement: 115VDC. Special features: shielded signal leads, broken tape alarm, clutch magnet operation on 50 ma 120 VDC, contacts associated with tight tape contacts for extension to a remote location, pivoted head, and multi-contact. TT-313/UG is a p/o REPERF-XMTR SET, TTY AN/UGC-14. (NAVY)	CTT-LAXD7
TT-314/UG	REPERF, TTY		R/O	This is a TYPG REPERF, for specific use. It utilizes the 7.00 unit code. Tape data: 11/16" w, chadless or fully perforated. Operating power requirement: 115 VDC. Special features: comm. characters, printing in line with feed holes, shielded signal leads, single shaft, type guide, tape pusher, and hand wheel shaft w/knob. TT-314/UG is a p/o REPERF-XMTR SET, TTY AN/UGC-14. (NAVY)	CTT-LPR34BWA
TT-315/UG	REPERF, TTY		R/O	This is a TYPG REPERF, for specific use. It utilizes the 7.00 unit code. Tape data: 11/16" w, chadless or fully perforated. Operating power requirement: 115 VDC. Special features: comm. characters, printing in line with feed holes, shielded signal leads, single shaft, type guide, remote non-interfering LTRS tape feed-out, hand wheel shaft w/knob, and auxiliary mounting. TT-315/UG is a p/o TTY SET AN/UGC-13, and REPERF SET, TTY TT 308/UG. (NAVY)	CTT-LPR35BWA

JAN Designation	Description	Speed WPM	Type	Remarks and Major Components	Commercial Designation
TT-318/UG	KBD-XMTR, TTY			This is a miniaturized std. comm. KBD, with English characters, for general purpose use. Special features: KBD may be slid into storage or operating position, or removed completely, without the use of tools; by addition of power-pack it may be operated independently as a self-powered unit, or receive driving power from TTY TT-297/UG, Contains signal line "BREAK" key; Contains electrical "Receive/Send-Receive" switch; and by addition of a key it may also provide parallel Baudot output. TT-318/UG is a p/o TTY Set AN/TGC-14(V), and TTY TT-297/UG. (USMC)	CCVS-Model "MITE" 104



SECTION 4

INDEX OF TELETYPE, FACSIMILE AND ASSOCIATED EQUIPMENT ARRANGED BY MANUFACTURER
MANUFACTURER COMMERCIAL DESIGNATION CODE

Commercial Designation	JAN Designation	Description
CACA-W28-004-SC-521	AN/TXC-1	FAX SET
CACA	AN/TXC-1A	FAX SET
CACA	AN/TXC-1B	FAX SET
CACA-Model TXC	AN/TXC-1C	FAX SET
CACA-Model 34E TXC	AN/TXC-1D	FAX SET
CACA-180-00-00-00	AN/UXH-2	RECORDER SET, FAX
CACA-RGDI	CV-172/U	CONVERTER, FREQ. SHIFT
CACA-RGD2 and 45C-00-00-00	CV-172A/U	CONVERTER, FREQ. SHIFT
CACA-CK-1 and 05-00-00-00	KY-44/FX	KEYER ADAPTER
CACA-CFD-1 and 05-00-00-00	KY-44A/FX	KEYER ADAPTER
CACA-CFD-2	KY-44C/FX	KEYER ADAPTER
CACA	MD-168/UX	RADIO MODULATOR
CACA	PP-86/TXC-1	RECT POWER UNIT
CACA	PP-86A/TXC-1	RECT POWER UNIT
CACA-Model TXC	PP-86C/TXC-1	RECT POWER UNIT
CACA-Model TXC	PP-86D/TXC-1	RECT POWER UNIT
CACA-34F-15-00-00	PP-86E/TXC-1	RECT POWER UNIT
CACA-Model RG	RD-92/UX	FAX RECORDER
CACA-40C-00-00-00	RD-92A/UX	FAX RECORDER
CACA	TT-1/TXC-1	FAX SET
CACA	TT-1A/TXC-1	FAX SET
CACA	TT-1B/TXC-1	FAX SET
CACA	TT-1D/TXC-1	FAX SET
CACA-Model TXC	TT-1E/TXC-1	FAX SET
CACA-34E-00-00-00	TT-1F/TXC-1	FAX SET
CACA	TT-41/TXC-1B	FAX TRANSCEIVER
CACA-Model TXC	TT-41A/TXC-1B	FAX TRANSCEIVER
CACA-Model TXC	TT-41B/TXC-1B	FAX TRANSCEIVER
CACA-Model CRA	TT-66/TXC	FAX TRANSCEIVER
CACA-FX1-C	TT-66A/TXC	FAX TRANSCEIVER
CACH-Per COL-Spec 123-3100-004	AN/UGC-11(XN-1)	TTY SET
CAHC-Part No. WE-D-2700	CV-182/GRC-26A	FREQ SHIFT CONVERTER
CAIU-PEC-260	PP-108/TG	RECT POWER UNIT
CAIU-PEC-260-F	PP-108A/TG	RECT POWER UNIT
CAIU-PEC-648	PP-610/U	POWER SUPPLY
CAIU-PEC-724	PP-765/U	POWER SUPPLY
CAIU-PEC-724 REV. B.	PP-765A/U	POWER SUPPLY
CAIU-K6 or equal	SB-66/FGC	SWBD, PATCHING, COMM
CAIU-CA-334-C	SB-66A/FGC	SWBD, PATCHING, COMM
CAOR-HC-4800	AN/FCC-3	TERM, TLG CARRIER

Commercial Designation	JAN Designation	Description
CAOR-HB5218	AN/FCC-7	TERM, TLG CARRIER
CAOR-HB5219	AN/FCC-8	TERM, TLG CARRIER
CAOR-HD5218	AN/FCC-14	TERM, TLG CARRIER
CAOR-Model 812	TH-21/UC	TERM, TLG
CAOR	TT-31/AGA-1	TTY TERM
CAOW	TT-160/FG	SYNCHRONOUS TTY MIXER
CATT-X61789A	AN/FGC-1C	RADIOTELETYPE TERM EQUIP.
CATT-Part No. X-61789-E1 or equal	CV-205/FGC-1	SIGNAL DATA CONVERTER
CATT-X-61789E-1 or equal	TH-11/FGC-1	REP TLG
CAXY	AN/GGA-11()	CONTROL MONITOR GROUP
CAXY-Part No. 3766	CV-1052()/GGA	CONVERTER, SIGNAL DATA
CAXY-Model FTM	TT-216/FIC-T1	TTY
CAXY-Model FTM	TT-217/FIC-T1	TTY
CBBX-SPEC 6480B	AN/FGC-3	OCEAN CABLE TERM SET
CBBX	AN/FGC-29	TERM, TLG
CBBX	AN/FGR-3	TERM, TLG
CBBX	AN/FGT-2	TERM, TLG
CBBX-SC-1A or equal	AN/TGC-1	TTY SET
CBBX-or equal	AN/TGC-4	CENTRAL OFFICE, TTY
CBBX-930-A	SB-235/TGC-4	SWBD, TLG
CBBX-6480-B or equal	TH6/FGC-3	TPR APPLIQUE UNIT
CBBX-929-A	TT-18/FG	TAPE REWINDER
CBBX-985-A-1 Tape Patching Set.	TT-80/TGC-4	TTY SET
CJB-Part/Dwg. 117816		
CBBX-985A SWBD Monitor Set.	TT-81/TGC-4	TTY SET
CJB-Part/Dwg. 117814		
CBBX-910A, sending tbl.	TT-82/TGC-4	DISTR-XMTR ASSY
CJB-Part/Dwg. 118615		
CBBX-910A, sending tbl.	TT-83/TGC-4	DISTR-XMTR ASSY
CJB-Part/Dwg. 118615		
CBBX-Auto, numbering set.	TT-84/TGC-4	DISTR-XMTR ASSY
CJB-Part/Dwg. 117749		
CBBX-920A Monitor Set.	TT-85/TGC-4	REPERF ASSEMBLY
CJB-Part/Dwg. 117792		
CBBX-940A receiving TBL	TT-86/TGC-4	REPERF ASSEMBLY
CJB-Part/Dwg. 118541		
CBBX-980A Dwg. XB90384	TT-87/TGC-4	PULLER, TAPE
CBBX-921A, 2-925A, 1045A, 1040A; CTT-M14; CJB-Part/Dwg. 117818	TT-88/TGC-4	REPERF ASSEMBLY
CBED-Part No. X-239	C-764/UXC-2	CONTROL, TLG LINE
CBED	C-1913()/FGC-44	CONTROL, TLG LINE
CBED	CV-435()/FGC-44	CONVERTER, ELECTRONIC FREQ
CBED	CV-436()/FGC-44	CONVERTER, TLGCODE

Commercial Designation	JAN Designation	Description
CBED	CV-437()/FGC-44	CONVERTER, TLG CODE
CBED	CV-438()/FGC-44	CONVERTER, TLG CODE
CBED	CV-439()/FGC-44	CONVERTER, TLG CODE
CBED-C3828	TT-68/UG	VOICE FREQ LINE UNIT
CBED	TT-197/FGC-44	SIGNAL DISTR-TIMER
CBED	TT-198/FGC-44	SIGNAL DISTR-TIMER
CBEQ	KY-44B/FX	KEYER ADAPTER
CBHP-Model 52	MX-481B/U	TAPE BRIDGE GUIDE
CBHP-TP100 or equal (AC)	TT-2/TG	PULLER, TAPE
CBHP-TP-100 or equal (DC)	TT-3/FG	PULLER, TAPE
CBHT-407,140	AN/FGC-7B	TTY REP SET
CBHT-180-100	KY-43/URT	KEYER
CBHT	TT-63B/FGC	TTY REP
CBKH	AN/UXH-1	FAX RECORDER SET
CBMY	AN/FGC-7	TTY REP SET
CBMY	TT-63/FGC	TTY REP
CBOT	TT-23E/SG	PANEL, TTY SWBD
CBRL-Part No. J-17-102	AN/GGT-2	DISTR-XMTR SET, TTY
CBTA	AN/UGA-3(XN-1)	CONVERTER-SHIFT REGISTER GROUP
CBTB-Type 229, Model 1 (Modified)	AN/GGA-10	MULTIPLEXER GROUP
CBTB-Type 181, Model 1	C-1671(XN-1)/UGC	CONTROL, TLG LINE
CBTP-12-101	TT-23B/SG	PANEL, TTY SWBD
CBTX	C-1004/SG	CONTROL, XMTR-TTY
CBVD	KY-43A/URT	KEYER
CBVV-Part No. MRTM-1	AN/FGA-4	ALARM-MONITOR GROUP
CBVV-Type No. D7006	AN/FGA-5	ALARM-MONITOR GROUP
CBVV	AN/FGC-7A	TTY REP SET
CBVV-Model No. EDU-100-75 (NPG-SENDS)	AN/FGM-1	TEST SET, TLG
CBVV-Model No. EDU-100-75 (NPM-SENDS)	AN/FGM-2	TEST SET, TLG
CBVV-Model No. EDU-100-75 (NSS-SENDS)	AN/FGM-3	TEST SET, TLG
CBVV-Model No. EDU-100-75 (NPO-SENDS)	AN/FGM-4	TEST SET, TLG
CBVV	AN/UCC-1	TERM, TLG
CBVV-TR2	TH-29/UG	REP, TLG
CBVV-RTR 5-8	TH-35/FGC	REP, TLG
CBVV	TH-42/UG	REP, TLG
CBVV-TDA2	TS-917/GG	TEST SET, TTY
CBVV	TS-1373/FG	TEST SET, TLG
CBVV	TS-1374/FG	TEST SET, TLG
CBVV	TS-1375/FG	TEST SET, TLG
CBVV	TT-63A/FGC	TTY REP

Commercial Designation	JAN Designation	Description
CBWS	AN/GXH-1	RECORDING SET, FREQ-TIME
CBWS	AN/GXH-3()	RECORDER SET, SIGNAL DATA
CBXJ	KY-43B/UJT	KEYER
CCBF	PP-1011/U	POWER SUPPLY
CCN-5805	AN/FCC-16	TERM, TLG
CCN-G-5488	SB-6A/GG	SWBD, PATCHING, COMM
CCN-3547	SB-65B/FGC	SWBD, PATCHING, COMM
CCN-G-15063	SB-501/MGC-2	SWBD, PATCHING COMM
CCRC-B38	TH-31/U	REP, TLG
CCTB	AN/AGC-1	TTY SET
CCTB	AN/AGC-2	TTY SET
CCTB-150	AN/FGC-20	TTY SET
CCTB-152	AN/FGC-20X	TTY SET
CCTB-151	AN/FGC-21	TTY SET
CCTB	AN/FGC-21X	TTY SET
CCTB	AN/FGC-22	TTY SET
CCTB	AN/FGC-22X	TTY SET
CCTB	AN/FGC-23	TTY SET
CCTB	AN/FGC-23X	TTY SET
CCTB-154	AN/FGC-25	TTY SET
CCTB-153	AN/FGC-25X	TTY SET
CCTB	AN/FGC-26	TTY SET
CCTB	AN/FGC-26X	TTY SET
CCTB	AN/FGC-27	TTY SET
CCTB	AN/FGC-27X	TTY SET
CCTB	AN/FGC-28	TTY SET
CCTB	AN/FGC-28X	TTY SET
CCTB; CAOX	AN/FGC-30	CENTRAL OFFICE, TTY
CCTB	AN/FGC-37	TTY SET
CCTB-150, W/54300A	AN/FGC-45	TTY SET
CCTB-151, W/54300A	AN/FGC-46	TTY SET
CCTB-150R, W/54300A	AN/FGC-47	TPR
CCTB-151R, W/54300A	AN/FGC-48	TPR
CCTB-154B	AN/FGC-57	TTY SET
CCTB-109	AN/GGC-3	TTY SET
CCTB-REF. 90211A	AN/GGC-3A	TTY SET
CCTB	AN/GGC-5	TTY SET
CCTB-M100	AN/PGC-1	TTY SET
CCTB-179	AN/TGC-5	TTY SET
CCTB-179A, Ref. 90235	AN/TGC-5A	TTY SET
CCTB-180	AN/TGC-5X	TTY SET
CCTB-180A, Ref. 90236A	AN/TGC-5AX	TTY SET
CCTB	AN/TGC-6	TTY SET
CCTB	AN/TGC-7	TTY SET
CCTB-Ref. 90121A	AN/TGC-7A	TTY SET

Commercial Designation	JAN Designation	Description
CCTB-90237A	AN/TGC-12	TTY SET
CCTB-90231A	AN/TGC-12X	TTY SET
CCTB	C-1295/AGC-1	CONTROL, XMTR-TTY
CCTB and CAIU-PEC-641 or equal	PP-604/FG	POWER SUPPLY
CCTB-P/O M150	PP-978/FG	POWER SUPPLY
CCTB-Model 100	TT-4/TG	TTY
CCTB-Model 100A	TT-4A/TG	TTY
CCTB-60214A	TT-4B/TG	TTY
CCTB-M100	TT-61/FG	TTY
CCTB	TT-62/FG	TTY
CCTB-Type Bar Page TTY or equal	TT-65/TG	TTY
CCTB-Type Bar Page TTY or equal	TT-72/AG	TTY
CCTB or equal	TT-73/FG	ADAPTER, TTY
CCTB-M110	TT-76/GGC	REPERF XMTR, TTY
CCTB-Model 90161A	TT-76A/GGC	REPERF XMTR, TTY
CCTB-Model 90240A	TT-76B/GGC	REPERF XMTR, TTY
CCTB	TT-97/FG	TTY
CCTB-M152 Dwg. 50525A	TT-98/FG	TTY
CCTB-M152	TT-98A/FG	TTY
CCTB-M152	TT-98/FG	TTY
CCTB-151, Dwg. 52500A	TT-99/FG	TTY
CCTB-M150	TT-100/FG	TTY
Cancelled, never procured.	TT-100A/FG	TTY
CCTB-M150	TT-100B/FG	TTY
CCTB-M112	TT-107/FG	REPERF, TTY
CCTB-Model 90106A	TT-107A/FG	REPERF, TTY
CCTB-Model 90175A	TT-107B/FG	REPERF, TTY
CCTB-Model 90262A	TT-108/FG	REPERF, TTY
CCTB-Model 90162A	TT-109/FG	REPERF, TTY
CCTB	TT-110/FG	REPERF, TTY
CCTB	TT-111/FG	REPERF, TTY
CCTB	TT-112/FG	REPERF, TTY
CCTB	TT-113/FG	REPERF, TTY
CCTB	TT-114/FG	REPERF, TTY
CCTB	TT-115/FG	REPERF, TTY
CCTB	TT-116/FG	REPERF, TTY
CCTB-M152	TT-117/FG	TTY
CCTB-59825A	TT-117A/FG	TTY
CCTB-59925A	TT-118/FG	TTY
CCTB	TT-119/FG	TTY
CCTB-59900A	TT-119A/FG	TTY
CCTB	TT-120/FG	TTY
CCTB	TT-121/FG	PERF, TTY
CCTB	TT-122/FG	DISTR-XMTR, TTY
CCTB-90203	TT-122A/FG	DISTR-XMTR, TTY

Commercial Designation	JAN Designation	Description
CCTB	TT-123/FG	DISTR-XMTR, TTY
CCTB-90204A	TT-123A/FG	DISTR-XMTR, TTY
CCTB	TT-144/AGC-1	TPR
CCTB	TT-145/AGC-2	TPR
CCTB	TT-146/AGC-1	KBD-XMTR, TTY
CCTB	TT-147/AGC-2	KBD-XMTR, TTY
CCTB	TT-148/AGC-1	TERM, TLG
CCTB	TT-149/FG	REPERF SET, TTY
CCTB	TT-150/FG	REPERF SET, TTY
CCTB	TT-151/FG	REPERF SET, TTY
CCTB	TT-152/FG	REPERF SET, TTY
CCTB	TT-153/FG	DISTR-XMTR, TTY
CCTB	TT-154/FG	TTY
CCTB	TT-172/GG	TTY
CCTB-M100C	TT-173/TG	TTY
CCTB-M100D	TT-173A/TG	TTY
CCTB-M107	TT-174/FG	DISTR-XMTR, TTY
CCTB-90247A	TT-174A/FG	DISTR-XMTR, TTY
CCTB-M108	TT-175/FG	REPERF, TTY
CCTB	TT-175A/FG	REPERF, TTY
CCTB	TT-177/TGC	REPERF XMTR, TTY
CCTB	TT-178/FG	REPERF XMTR, TTY
CCTB-59875A	TT-178A/FG	REPERF XMTR, TTY
CCTB	TT-179/FG	REPERF XMTR, TTY
CCTB	TT-180/FG	REPERF XMTR, TTY
CCTB-59950A	TT-181/FG	REPERF XMTR, TTY
CCTB	TT-195/FG	REPERF, TTY
CCTB-M150	TT-207/FG	TTY
CCTB-M151	TT-208/FG	TTY
CCTB-M150R	TT-209/FG	TTY
CCTB-M151R	TT-210/FG	TTY
CCTB-M179, Ref. 58266A	TT-224/TG	REPERF, TTY
CCTB-M180, Ref. 58073A	TT-225/TG	REPERF, TTY
CCTB-M101B	TT-226/FG	REPERF SET, TTY
CCTB-M102B	TT-227/FG	REPERF SET, TTY
CCTB-M103B	TT-228/FG	REPERF, TTY
CCTB-M104B	TT-229/FG	DISTR-XMTR, TTY
CCTB-M105B	TT-230/FG	REPERF, TTY
CCTB-M106B	TT-231/FG	REPERF SET, TTY
CCTB-59625A	TT-239/FG	READER, TAPE, TTY
CCTB-M150-SYN	TT-245/FG	TTY
CCTB-M150-SER	TT-246/FG	TTY
CCTB	TT-250/FG	REPERF-XMTR, TTY
CCTB-M101C	TT-254/FG	REPERF SET, TTY
CCTB-M102C	TT-255/FG	REPERF SET, TTY

Commercial Designation	JAN Designation	Description
CCTB-M104C	TT-256/FG	DISTR-XMTR, TTY
CCTB-M106C	TT-257/FG	REPERF SET, TTY
CCTC-F15361	AN/FCC-12	TERM, TLG CARRIER
CCTC-F-15360	AN/FCC-13	TERM, TLG
CCTD	C-1004A/SG	CONTROL, XMTR-TTY
CCTD-7506	TS-577A/FG	TEST SET, TTY
CCTD	TS-611A/FG	TEST SET, TTY
CCTE-10130000A	SB-785/G	SWBD, PATCHING, COMM
CCTF	TT-29/FX	FAX SET
CCTG	AN/MGC-2	CENTRAL OFFICE, TTY
CCTG	AN/MGC-2A	CENTRAL OFFICE, TTY
CCTG	AN/MGC-6	TTY SET
CCTG	AN/MGC-6A	TTY SET
CCTG; and CGA-435A751-561-100	SB-905/TGC-11	PANEL, POWER DISTRIBUTION
CCVS-Model "MITE" 104	TT-318/UG	KBD-XMTR, TTY
CCBF	RO-98A/UJ	RECORDER, TLG CODE, TAPE
CCLX-Model CFA-1	CV-763/URR	CONVERTER, FREQ SHIFT
CCPK	TT-263()/G	XMTR, DIGITAL DATA
CCQF	CV-483()/URA-17	CONVERTER, FREQ SHIFT
CCQF-Part No. 123-54-255-0000-01	TT-285/GSQ-39	ADDRESS KBD
CCQF-Dwg. No. 123-54-256-0000-01; and CCXK	TT-286/GSQ-39	CHARACTER KBD
CCQF-123-55-204; and CCXL-Model FPC-5	TT-296/GSQ-39	TYPEWRITER
CCTB-Model 90400A-35. 10	AN/UGC-4	TTY SET
CCTB	AN/FGC-52X	TTY SET
CCTB	AN/FGC-62	TTY SET
CCTB	AN/FGC-62X	TTY SET
CCTB-Model 90400A-32.40	AN/FGC-64	TTY SET
CCTB-Model 90400A-39. 10	AN/FGC-66	TTY SET
CCTB	AN/FGC-67	TTY SET
CCTB	AN/FGC-67X	TTY SET
CCTB	SA-419/FG	SWITCH, TTY CODE ACTUATED
CCTB	PP-1801/FG	POWER SUPPLY
CCTB-Part/Dwg. 90291A	TT-259/FG	TPR
CCTB-Part/Dwg. 90159A	TT-260/FG	DISTR-XMTR, TTY
CCTB-Part/Dwg. 61328A	TT-269/FG	TTY
CCTB-Part/Dwg. 61329A	TT-270/FG	REPERF-XMTR, TTY
CCTB-Part/Dwg. 61311A	TT-271/FG	TTY
CCTB-Part/Dwg. 61310A	TT-272/FG	REPERF-XMTR, TTY
CCTB-Model 62080A	TT-293/FG	TTY
CCTB-Model 150	TT-300/FG	TTY
CCTG	AN/MGC-3 (Cancelled)	TTY SET
CCVP	AN/GSC-6	RADIO TTY SET
CCVP	CV-717/U	CONVERTER, FREQ SHIFT
CCVQ-Phase "MULTILOK" System, Type M2B, Model 5463	AN/FGC-63(XN-)	TERM, TLG
CCVR-Model 110B	CM-185/UGC	COMPARATOR, SIGNAL

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Commercial Designation	JAN Designation	Description
CCVR-Model 102A	CV-972(P)/UGC	CONVERTER, FREQSHIFT
CCVR-Model 101A	KY-346(P)/UGC	KEYER, FREQ SHIFT
CCVR and CBPP-Model 2004	AN/FGC-60	TERM, TLG
CCVR	AN/FGC-60(V)	TERM, TLG
CCVS	AN/TGC-14(V)	TTY SET
CCVS	AN/UGC-12	TTY SET
CCVS	MK-539/UG	POWER SUPPLY KIT, AC
CCVS	MK-540/UG	POWER SUPPLY KIT, DC
CCVS-Model 104	TT-264/AG	TTY
CCVS	TT-297/UG	TTY
CCVS	TT-298/UG	TPR
CCVS	TT-299/UG	TTY
CCXM-DAG 1002	TT-301/GMH-2	TPR
CCXM-DAG 1003	TT-302/GMH-2	DISTR, RECEIVING
CCXN	AN/PGM-1A	TEST SET, TLG
CCXO	CV-395/U	CONVERTER, SIGNAL DATA
CDK	TT-211/GSQ-11	ELECTROWRITER
CEE-SCD31245	AN/TGC-1B	TTY SET
CFT-A1006830-1 (modified)	AN/TCC-4A	TERM, TLG
CFT	AN/TCC-20	TERM, TLG
CG	AN/UXH-3	RECORDER SET, FAX
CGA	AN/MGC-20	CENTRAL OFFICE, TTY
CGA	AN/TGC-11	CENTRAL OFFICE, TTY
CHL-Part No. 114X1340	CV-182A/GRC-26A	FREQ SHIFT CONVERTER
CHL-Part No. 114-901802	CV-182B/GRC-26A	FREQ SHIFT CONVERTER
CHO	PP-2783/UG	POWER SUPPLY
CHO-4-E Series B	KY-14/U	KEYER
CHO-4D, Series E or equal	MX-439/U	KEYING HEAD DRIVE
CHO-4D, Series G Modified	MX-439A/U	KEYING HEAD DRIVE
CHO-4F	MX-442 ()/U	TAPE PULLER DC
CHO-7FA, Series E	MX-477/U	CONTROL TAPE WINDER
CHO-4FA, Series E	MX-478/U	REWINDER REEL ATTACHMENT
CHO-7H	MX-480/U	TAPE REEL
CHO-4K	MX-481/U	TAPE BRIDGE GUIDE
CHO-8F	MX-1365/U	PULLER, TAPE
CHO-4G	RD-17/U	INK RECORDER
CHO-Type 6-C	TH-20/UG	TERM, TLG
CHO-11F	TT-28/U	PULLER, TAPE
CJB	CV-305/U	CONVERTER, FREQ SHIFT
CJB-118088 CBBX-1063-A	SB-233/TGC-4	SWBD, TLG
CJB-118070 CBBX-1036-A	SB-234/TGC-4	SWBD, TLG
CJB	AN/TGC-1A	TTY SET
CKB	AN/URA-8	FREQ SHIFT CONVERTER- COMPARATOR GROUP
CKB	AN/URA-17	CONVERTER-COMPARATOR GROUP
CKB-Mil. Spec. MIL-C-15454	CM-22A/URA-8A	COMPARATOR, SIGNAL

Commercial Designation	JAN Designation	Description
CKG	AN/FCC-15(V)	MULTIPLEXER SET
CKE	PP-86B/TXC-1	RECT POWER UNIT
CKE	TT-1C/TXC-1	FAX SET
CMI-2500	AN/TGC-1C	TTY SET
CMI	TS-2A/TG	TEST SET, TTY
CMK	AN/FCC-3B	TERM, TLG CARRIER
CMK	AN/FCC-3C	TERM, TLG CARRIER
CMK	AN/FCC-7B	TERM, TLG CARRIER
CMK	AN/FCC-7C	TERM, TLG CARRIER
CMK-Part No. 2056.171-1	CV-243B/FCC-3	CONVERTER, FREQ, ELECTRONIC
CMK-Part No. 2056.118-1	CV-244B/FCC-3	CONVERTER, FREQ, ELECTRONIC
CMK	AN/FGC-T1	TRAINER, TELEGRAPHIC CODE
CMK-39314	AN/FGC-T4	TRAINER, TELEGRAPHIC CODE
CMK-TP890-742	MX-333/GG	PULLER, TAPE
CMK-Model TTG	MX-481A/U	TAPE BRIDGE GUIDE
CMK-D-100BD	TH-10/U	PULLER, TAPE
CMK-TP-90	TH-10A/U	PULLER, TAPE
CMK-Type No. B	TS-2B/TG	TEST SET, TTY
CMK-5008	TS-2C/TG	TEST SET, TTY
CMK-HDR-243 or equal	TT-27/F	PULLER, TAPE
CNA-Part BM: 625, Dwg. P572	CM-32A/FRR-24	KEYER, COMPARATOR
CNR	AN/FGC-61	TERM, TLG
CNR	AN/UGC-2	TERM, TLG
CNR	CV-223/URR	CONVERTER, FREQ SHIFT
CNR-Type 190, Model 1; and CAOR-Part No. HB-4859	CV-243/FCC-3	CONVERTER, FREQ ELECTRONIC
CNR-HB-4861; and CAOR	CV-244/FCC-3	CONVERTER, FREQ ELECTRONIC
CNR	CV-384/U	CONVERTER-OSCILLATOR
CNR	KY-79/UR	STONE KEYER
COL	AN/SCA-1(XN-1)	TERM GROUP, TLG
COL	AN/SRC-16(XN-1)	COMM CENTRAL
COL	AN/SRC-18()	COMM CENTRAL
COL	AN/SRC-19()	COMM CENTRAL
COL	AN/SSA-24(XN-1)	SUBSCRIBER GROUP, TTY-VOICE
COL	AN/SSA-25(XN-1)	SUBSCRIBER GROUP, TTY-VOICE
COL	AN/SSA-26(XN-1)	SUBSCRIBER GROUP, TTY-VOICE
COL	AN/SSC-1(XN-1)	TERM SET, TLG
COL	AN/SSQ-29(XN-2)	DATA TERM SET
COL	AN/TSC-15	RADIO TTY SET
COL-Part/Dwg. 522-9878-00, Model 700B-1	CV-786/TRC-75	CONVERTER-OSCILLATOR
COL-Part/Dwg. 591-5624-004	CV-865/URC	CONVERTER, FREQ SHIFT
COL	KY-241()/UR	KEYER, FREQ SHIFT
COL-522-8707-004	TT-233/FGC-44	DISTR-XMTR, TTY
CQD-7860	AN/FCC-3A	TERM, TLG CARRIER
CQD	CV-243A/FCC-3	CONVERTER, FREQ, ELECTRONIC
CQD	CV-244A/FCC-3	CONVERTER, FREQ, ELECTRONIC

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Commercial Designation	JAN Designation	Description
CRL	AN/SGC-1	RADIO TELETYPE TERM SET
CRL	AN/SGC-1A	RADIO TELETYPE TERM SET
CRL	AN/UGC-9	TERM, TLG
CRL	TH-37/UG	TERM, TLG
CRL	TT-40/SGC-1	TTY TERM.
CRL	TT-40A/SGC-1	TTY TERM.
CRV-L-1075B	AN/FGC-2	TLG TERM SET
CRV	AN/URA-6	FREQ SHIFT CONVERTER-COMPARATOR GROUP
CRV	AN/URA-7	FREQ SHIFT CONVERTER-COMPARATOR GROUP
CRV-Navy Spec. CS-723 and CS-730	CM-14/URR	COMPARATOR
CRV-Part/Dwg. A-8897358-506-Sub-15	CM-42()/URR	COMPARATOR, SIGNAL
CRV-Navy Spec. CS-730	CV-57/URR	FREQ SHIFT CONVERTER
CRV-Spec. CS-723	CV-60/URR	CONVERTER, FREQ SHIFT
CRV-A889192-502	CV-71/URR	CONVERTER, FREQ. SHIFT
CRV-Part Dwg. 8897358-505	CV-227/URR	CONVERTER
CRV	CV-357/A	CONVERTER, FREQ SHIFT
CS-Part No. 1037627	TT-294/TPQ-13	TPR
CTD-NFF-1	TS-676/U	XMSN LINE FAULT LOCATOR
CTT-CS432, and CAOR-CS509	AN/AGA-1	RADIO TTY SET
CTT-M14	AN/FGC-4	TTY SET
CTT-SPEC S-5605	AN/FGC-5	TLG TERM SET
CTT-M14	AN/FGC-6	TTY SET
CTT	AN/FGC-6X	TTY SET
CTT-M19	AN/FGC-8	TTY SET
CTT-M19	AN/FGC-9	TTY SET
CTT-M15	AN/FGC-10	TTY SET
CTT-M19	AN/FGC-11	TTY SET
CTT-M14	AN/FGC-12	TTY SET
CTT-M15	AN/FGC-13	TTY SET
CTT-M14	AN/FGC-15	TTY SET
CTT-M14	AN/FGC-16	TTY SET
CTT-M15 (modified)	AN/FGC-17	TTY SET
CTT-M15	AN/FGC-18	TTY SET
CTT-M19 (modified)	AN/FGC-19	TTY SET
CTT-M19 (modified)	AN/FGC-24	TTY SET
CTT-M14	AN/FGC-31	TTY SET
CTT-M14	AN/FGC-32	TTY SET
CTT-M14	AN/FGC-33	TTY SET
CTT-M15	AN/FGC-34	TTY SET
CTT	AN/FGC-38	TTY SET
CTT	AN/FGC-38A	TTY SET
CTT	AN/FGC-38X	TTY SET
CTT	AN/FGC-38AX	TTY SET
CTT	AN/FGC-39	TTY SET
CTT	AN/FGC-39A	TTY SET

Commercial Designation	JAN Designation	Description
CTT-M14	AN/FGC-40	TTY SET
CTT-M15	AN/FGC-41	TTY SET
CCT-M19	AN/FGC-42	TTY SET
CTT	AN/FGC-49	TERM, TLG
CTT-M28 ASR	AN/FGC-56	TTY SET
CTT-M28 ASR	AN/FGC-56X	TTY SET
CTT-M28 ASR	AN/FGC-58	TTY SET
CCT-M28 ASR	AN/FGC-58X	TTY SET
CTT-M28 Tom Tape System	AN/FGC-59	TTY SET
CTT-DPE201 BB/KU	AN/FGQ-2	PERF, TTY
CTT	AN/FGQ-3	PERF, TLG
CTT	AN/FGT-1	TERM, TLG
CTT	AN/GGA-1	TTY GROUP
CTT	AN/GGA-1A	TTY GROUP
CTT	AN/GGA-1B	TTY GROUP
CTT	AN/GGA-1X	TTY GROUP
CTT & CAOX	AN/GGC-2	TTY SWITCHING CENTER
CTT	AN/PGC-2	TTY SET
CTT-EMTS-200, and CAIU-PEC-711	AN/PGM-1	TEST SET, TLG
CTT	AN/SCA-3	TTY CODE GROUP
CTT-Spec. ZCC200, Converter REC-49 Power Supply	AN/SCA-3A	TTY CODE GROUP
CTT-M19 (modified)	AN/SGC-2	TTY SET
CTT-M19 (modified)	AN/SGC-3	TTY SET
CTT-M15 (modified)	AN/SGC-4	TTY SET
CTT-M15 (modified)	AN/SGC-5	TTY SET
CTT	AN/UGA-1	TERM GROUP, TLG
CTT	AN/UGC-3	TERM, TLG
CTT-M28 ASR	AN/UGC-5	TTY SET
CTT-M28 ASR	AN/UGC-5A	TTY SET
CTT-M28 ASR	AN/UGC-5AX	TTY SET
CTT-M28 ASR	AN/UGC-5X	TTY SET
CTT-M28 ASR	AN/UGC-6	TTY SET
CTT-M28 ASR	AN/UGC-6A	TTY SET
CTT-M28 ASR	AN/UGC-6AX	TTY SET
CTT-M28 ASR	AN/UGC-6X	TTY SET
CTT-M28 ASR	AN/UGC-7	TTY SET
CTT-M28 ASR	AN/UGC-7X	TTY SET
CTT-M28 ASR	AN/UGC-8	TTY SET
CTT-M28 ASR	AN/UGC-8X	TTY SET
CTT-M28 ASR	AN/UGC-10	ROUTING SET, TTY
CTT-M28 ASR	AN/UGC-13	TTY SET
CTT	AN/UGC-14	REPERF-XMTR SET, TTY
CTT-TMCR201 & TMCR202	C-407/UGC-1	CONVERTER, TLG CODE
CTT-EMXRU200BM	C-620/FGC-5	CONTROL-MONITOR
CTT-EMRRU200BM	C-621/FGC-5	CONTROL-MONITOR

Commercial Designation	JAN Designation	Description
CTT-RLCU200BR	C-3138/UGC-10	CONTROL, ROUTING SET
CTT-EMSMCC200BM	CV-81/FGC-5	TLG CODE CONVERTER
CTT-EMMSCC200BM	CV-94/FGC-5	TLG CODE CONVERTER
CTT-TMCX201 & TMCX202	CV-408/UGC-1	CONVERTER, TLG CODE
CTT-WPE3/1SS, 1299-MPD-45 or equal	MX-491/U	PERF, TAPE TLG
CTT-LK1/MT	MX-1114/UG	KBD-XMTR, TTY
CTT-LK3	MX-1114A/UG	KBD-XMTR, TTY
CTT-LK4RN126	MX-1114B/UG	KBD-XMTR, TTY
CTT-LPI/291	MX-1115/UG	TYPG UNIT, TTY
CTT-LP3	MX-1115A/UG	TYPG UNIT, TTY
CTT-LP14RN/AY, LP6RN/AY157	MX-1115B/UG	TYPG UNIT, TTY
CTT-M28 Mark I	MX-1421/UG	KBD-XMTR, TTY
CTT-M28, Mark I	MX-1422/UG	TYPG UNIT, TTY
CTT	OA-151/FGC-5	TTY GROUP
CTT	OA-517/FGC-6	XMTR SUBASSEMBLY
CTT	OA-518/FGC-6	RECEIVER GROUP
CTT	OA-519/FGC-6	CONTROL-MONITOR GROUP
CTT	OA-615/FGC-38	XMTR GROUP
CTT	OA-615A/FGC-38	XMTR GROUP
CTT	OA-616/FGC-38	RECEIVER GROUP
CTT	OA-616A/FGC-38	RECEIVER GROUP
CTT	OA-617/FGC-38	MONITOR GROUP
CTT	OA-617A/FGC-38	MONITOR GROUP
CTT	OA-618/FGC-38X	XMTR GROUP
CTT	OA-618A/FGC-38X	XMTR GROUP
CTT	OA-619/FGC-38X	RECEIVER GROUP
CTT	OA-619A/FGC-38X	RECEIVER GROUP
CTT	OA-620/FGC-38X	MONITOR GROUP
CTT	OA-620A/FGC-38X	MONITOR GROUP
CTT	OA-621/FGC-39	XMTR GROUP
CTT	OA-621A/FGC-39	XMTR GROUP
CTT	OA-622/FGC-39	RECEIVER GROUP
CTT	OA-622A/FGC-39	RECEIVER GROUP
CTT	OA-623/FGC-39	MONITOR GROUP
CTT	OA-623A/FGC-39	MONITOR GROUP
CTT-REC-32	PP-189/U	RECT POWER UNIT
CAIU and CTT-REC-30	PP-315/GGA-1	POWER SUPPLY
CAIU and CTT-REC-29	PP-424/U	POWER SUPPLY
CAIU-850, and CTT-REC-47	PP-987/U	POWER SUPPLY
CTT-151999 and 152308	PP-1010/UG	POWER SUPPLY
CTT-REC-10	PP-1328/FG	POWER SUPPLY
CTT-LESU1	SB-154/UG	POWER DISTRIBUTION PANEL
CTT-LESU3	SB-154A/UG	POWER DISTRIBUTION PANEL
CTT-LESU7/191	SB-154B/UG	POWER DISTRIBUTION PANEL
CTT-128289 or SST-15046-1	SB-357/FGC	PANEL, CONTROL

Commercial Designation	JAN Designation	Description
CTT-128288 or SST-11045-1	SB-358/FGC	PANEL, CONTROL
CTT-LESU6/119	SB-408/UG	PANEL, POWER DISTRIBUTION
CTT-LESU7/147, M28 PTR	SB-964/UG	PANEL, POWER DISTRIBUTION
CTT-ED57GG	TS-2/TG	TEST SET, TTY
CTT-DXD4/DTS	TS-383/GG	TEST SET, TTY
CTT-DXD4/DTS	TS-383A/GG	TEST SET, TTY
CTT-DXD4/MU26	TS-383B/GG	TEST SET, TTY
CTT-DXD4/MU4	TS-652/GG	TEST SET, TTY
CTT-ED51DT	TS-658/UG	TEST SET, TTY
CTT-ED58HE	TS-659/UG	TEST SET, TTY
CTT-M15, 2.18A-1	TT-5/FG	TTY
CTT-M15, 2.16A-1	TT-6/FG	TTY SET
CTT-M19, 4.15A-1	TT-7/FG	TTY
CTT-M19, 4.13A-1	TT-8/FG	TTY
CTT-M14	TT-9/FG	PERF, TTY
CTT-M15 PTR	TT-11/FG	TTY
CTT - Special, XD79EY; CW-14AB	TT-12/FGQ-1	DISTR-XMTR, TTY
CTT - Special, XD79EZ; CW-14AA	TT-13/FGQ-1	DISTR-XMTR, TTY
CTT-M14, 9.2-1	TT-15/FG	REPERF, TTY
CTT-M14, 10.4A-3	TT-16/FG	REPERF, TTY
CTT-M14, 10.5A-3	TT-17/FG	REPERF, TTY
CTT-M14ABM-1, XD228BD/GW	TT-21/FG	DISTR-XMTR, TTY
CTT-M14, XD224BB/GW	TT-21A/FG	DISTR-XMTR, TTY
CTT-M15, BP93/221	TT-22/FG	TYPG UNIT, TTY
CTT-M26	TT-24/FG	TTY
CTT - Special, XD95GW or equal ; CW-14ABM	TT-25/FG	DISTR-XMTR, TTY
CTT - Special, XD91GL or equal	TT-26/FG	DISTR-XMTR ASSEMBLY, TTY
CTT-M31 Special	TT-30/AGA-1	TTY
CTT-M28 PTR	TT-33/UG	TTY
CTT-M28 PTR	TT-34/AG	TTY
CTT-M28 PTR	TT-35/AG	TTY
CTT-Type 58	TT-36/GGA-1	DISTR-XMTR, TTY
CTT-Type 58	TT-36A/GGA-1	DISTR-XMTR, TTY
CTT-M14	TT-37/GGA-1	REPERF, TTY
CTT-M14	TT-37A/GGA-1	REPERF, TTY
CTT-M14	TT-38/GGA-1	REPERF, TTY
CTT-M14	TT-38A/GGA-1	REPERF, TTY
CTT-M15 lightweight	TT-39/GGA-1	TTY
CTT-M15 lightweight	TT-39A/GGA-1	TTY
CTT-M14, XD208AA/AJ	TT-43/FG	DISTR-XMTR, TTY
CTT	TT-44/FG	CONVERTER ASSEMBLY
CTT-M14	TT-45/FG	REPERF, TTY
CTT-M14	TT-46/FG	REPERF, TTY
CTT-M28	TT-47/UG	TTY

Commercial Designation	JAN Designation	Description
CTT-M28	TT-47A/UG	TTY
CTT-M28	TT-47B/UG	TTY
CTT-M28	TT-47C/UG	TTY
CTT-M28 PTR	TT-47D/UG	TTY
CTT-M28 PTR	TT-47E/UG	TTY
CTT-M28	TT-48/UG	TTY
CTT-M28	TT-48A/UG	TTY
CTT-M28	TT-48B/UG	TTY
CTT-M28	TT-48C/UG	TTY
CTT-M15 (modified)	TT-49/UG	TTY
CTT-M15 (modified)	TT-50/UG	TTY
CTT-M15 (modified)	TT-51/FG	TTY
CTT-M14, XD200AA/FR	TT-52/FG	DISTR-XMTR, TTY
CTT-M14	TT-53/FG	REPERF, TTY
CTT-99214, and CW-Type A	TT-54/FG	TAPE SPLICER
CTT-M15	TT-55/MGC	TTY
CTT-M14	TT-56/MGC	REPERF SET, TTY
CTT-M14, XD200AA/AJ	TT-57/FG	DISTR-XMTR, TTY
CTT-EMXD200BM	TT-58/FGC-5	TLG SIGNAL DISTR
CRV-modified 8898508-2 Sub-O CTT-M14	TT-59/CPS-10	REPERF, TTY
CRV-Modified 8898508-1 Sub-O CTT-M14, WD-2084	TT-60/CPS-10	DISTR-XMTR, TTY
CTT-EMRD200BM	TT-64/FGC-5	RECEIVING SIGNAL DISTR
CTT-M14	TT-67/UG	REPERF, TTY
CTT-M28	TT-69/UG	TTY
CTT-M28	TT-69A/UG	TTY
CTT-M28	TT-69B/UG	TTY
CTT-M28	TT-69C/UG	TTY
CTT-M28	TT-70/UG	TTY
CTT-M28	TT-70A/UG	TTY
CTT-M28 (modified)	TT-70B/UG	TTY
CTT-M28	TT-70C/UG	TTY
CTT-M28	TT-70D/UG	TTY
CTT-M15 Special	TT-71/UG	PTR-PROJECTOR, TTY
CTT-M14	TT-74/FG	REPERF, TTY
CTT-FP81DM103	TT-77/UG	PTR, TAPE, TTY
CTT-M15, BP90/186	TT-78/UG	TYPG UNIT, TTY
CTT - Special	TT-79/GGC	XMTR, TTY MESSAGE TIME
CTT-M14	TT-89/FG	TTY
CTT-M15, BP91/97	TT-90/UG	TTY
CTT-M14	TT-91/UG	REPERF, TTY
CTT-M14	TT-92/FG	REPERF, TTY
CTT-M14 (modified)	TT-93/FG	REPERF, TTY
CTT - Special	TT-94/FG	REPERF, TTY
CTT-M15 (modified)	TT-96/FG	TTY
CTT-M15	TT-101/FG	TTY

Commercial Designation	JAN Designation	Description
CTT-M14	TT-102/FG	REPERF-XMTR, TTY
CTT-M14	TT-103/FG	REPERF-XMTR, TTY
CTT-M14	TT-104/FG	REPERF, TTY
CTT-M14	TT-105/FG	REPERF, TTY
CTT-M31 (modified)	TT-124/AG	TTY
CTT-M14	TT-125/FG	TTY
CTT-M14 (modified)	TT-125A/FG	TTY
CTT-M14	TT-126/FG	TTY
CTT-M14	TT-127/FG	TTY
CTT-M28	TT-128/UG	TTY
CTT-M28	TT-128A/UG	TTY
CTT-M28	TT-129/UG	TTY
CTT-M28	TT-129A/UG	TTY
CTT-M28	TT-130/UG	TTY
CTT-M28	TT-130A/UG	TTY
CTT-M28	TT-131/UG	TTY
CTT-M28	TT-131A/UG	TTY
CTT-M14	TT-132/UG	REPERF, TTY
CTT-M14	TT-133/UG	REPERF, TTY
CTT-M31	TT-134/UG	TTY
CTT-M14	TT-135/FG	REPERF, TTY
CTT-M15	TT-136/FG	TTY
CW-X66114B List 3, CTT-M15	TT-137/FG	TTY
CTT-M14X	TT-138/FGC-6	DISTR-XMTR, TTY
CTT-M14X	TT-139/FGC-6	DISTR-XMTR, TTY
CTT-M14X	TT-140/FGC-6	REPERF, TTY
CTT-M14X	TT-141/FGC-6	REPERF, TTY
CTT-M14	TT-142/FG	REPERF, TTY
CTT-M14	TT-143/UG	DISTR-XMTR, TTY
CTT-M14	TT-155/FG	DISTR-XMTR, TTY
CTT-M14	TT-156/FG	DISTR-XMTR, TTY
CTT-M14	TT-157/FG	DISTR-XMTR, TTY
CTT-M14	TT-158/FG	DISTR-XMTR, TTY
CTT-M14	TT-159/UG	REPERF-XMTR, TTY
CTT-M14	TT-161/FGC-38	REPERF, TTY
CTT-M14	TT-162/FGC-38X	REPERF, TTY
CTT-M14	TT-163/FGC-39	REPERF, TTY
CTT-M14	TT-164/FGC-38	REPERF, TTY
CTT-M14	TT-165/FGC-38X	REPERF, TTY
CTT-M14	TT-166/FGC-39	REPERF, TTY
CTT-M14	TT-167/FGC-38	DISTR-XMTR, TTY
CTT-M14	TT-168/FGC-39	DISTR-XMTR, TTY
CTT-M14	TT-169/FGC-38	DISTR-XMTR, TTY
CTT-M14	TT-170/FGC-39	DISTR-XMTR, TTY
CTT-M28	TT-171/UG	TTY

Commercial Designation	JAN Designation	Description
CTT-M28	TT-171A/UG	TTY
CTT-M28	TT-176/UG	TTY
CTT-M28	TT-176A/UG	TTY
CTT-M14	TT-182/FG	REPERF, TTY
CTT-M28 (modified)	TT-183/GGA-1A	TTY
CTT-M28 (modified)	TT-184/GGA-1B	TTY
CTT-M14	TT-186/FG	REPERF, TTY
CTT-M28	TT-187/UG	DISTR-XMTR, TTY
CTT-M14	TT-188/FG	REPERF SET, TTY
CTT-Part/Dwg. RPE-26	TT-189/FG	REPERF, TTY
CTT - Special	TT-190/TGC	TTY
CTT-M28	TT-192/UG	REPERF, TTY
CTT-M14	TT-194/UG	PERF, TTY
CTT-M14	TT-200/FGC-38A	REPERF, TTY
CTT-M14	TT-201/FGC-38A	REPERF, TTY
CTT-M14	TT-202/FGC-38AX	REPERF, TTY
CTT-M14	TT-203/FGC-38AX	REPERF, TTY
CTT-M14	TT-204/FGC-39A	REPERF, TTY
CTT-M14	TT-205/FGC-39A	REPERF, TTY
CTT	TT-212/FG	DISTR-XMTR, TTY
CTT-M15	TT-232/FG	TTY
CTT-M28	TT-234/SGA-3	TTY
CTT	TT-240/UG	TTY
CTT	TT-241/UG	TTY
CTT -Special	TT-242/UG	TTY
CTT-M28	TT-243/FG	TTY
CTT-M28	TT-244/FG	TTY
CTT-M28	TT-247/FG	TTY
CTT-M28	TT-248/FG	TTY
CTT	TT-249/FG	DISTR-XMTR, TTY
CTT-LXD3, M28 ASR	TT-251/UG	DISTR-XMTR, TTY
CTT-LTPE1RAA, M28 ASR	TT-252/UG	PERF, TTY
CTT-M28	TT-253/UG	PERF-REPERF, TYPG
CTT-M28	TT-261/UG	TTY
CTT-M28	TT-262/FG	TPR
CTT-LTPEIARE, M28 ASR	TT-265/UG	PERF, TTY
CTT-LPR9AWA, M28 ASR	TT-266/UG	REPERF, TTY
CTT-LPR9ARE, M28 ASR	TT-267/UG	REPERF, TTY
CTT & CCXK	TT-268/UG	DISTR-XMTR, REPERF
CTT-M28 (LXD1)	TT-273/UG	DISTR-XMTR, TTY
CTT-M28	TT-274/UG	REPERF, TTY
CTT-M28	TT-275/UG	TTY
CTT-LPR4RAA	TT-276/UG	REPERF, TTY
CTT-MXD36	TT-277/UG	DISTR-XMTR, TTY
CTT-Part No. MFD7	TT-278/UG	DISTR-XMTR, TTY

Commercial Designation	JAN Designation	Description
CTT-FPR23H246	TT-279/UG	REPERF, TTY
CTT-M28 PTR	TT-283/UG	TTY
CTT-Special	TT-284/UG	TTY
CTT-M28	TT-292/UG	PERF-REPERF, TTY
CTT-Model BRPEB4 & CCQF	TT-295/GSQ-39	PERF, PAPER TAPE
CTT-M28	TT-306/UG	TTY
CTT-M28	TT-307/UG	TTY
CTT-M28 Torn Tape	TT-308/UG	REPERF SET, TTY
CTT	TT-309/UG	REPERF ASSEMBLY
CTT-M28 Torn Tape XMTR Group	TT-310/UG	DISTR-XMTR SET, TTY
CTT-LBXDI6	TT-312/UG	DISTR-XMTR, TTY
CTT-LAXD7	TT-313/UG	DISTR-XMTR, TTY
CTT-LPR34BWA	TT-314/UG	REPERF, TTY
CTT-LPR35BWA	TT-315/UG	REPERF, TTY
CW-42B1 or equal	AN/FCC-2	CARRIER TERM SET
CW-X61789-A	AN/FGC-1	RADIOTELETYPE TERM EQUIP.
CW-X61790-A, B,C	AN/FGC-1A	RADIOTELETYPE TERM EQUIP.
CW-SPEC RE-9538A	AN/FGC-1B	RADIOTELETYPE TERM EQUIP.
CW-X61789A-1	AN/FGC-1X	RADIOTELETYPE TERM EQUIP.
CW	AN/FGC-35	TERM, TLG
CW-131B-2	AN/FGQ-1	TTY REP MIXER
CW-GA-10598	AN/FGQ-1A	TTY CODE GROUP
CW-G-251482	AN/FGT-3	DISTR-XMTR SET, TTY
CATD & CW	AN/GGA-3	TTY GROUP
CATD & CW	AN/GGA-4	TTY GROUP
CW-X66505A-1	AN/TGC-3	TTY SET
CW-Part/Dwg. GS-18088	C-2215/FGT-3	CONTROL, TTY
CW-Part/Dwg. GS-18160	C-2216/FGT-3	CONTROL-INDICATOR
CW-Part/Dwg. GS-18093, Bell Tel. Spec. GI-18093	C-2217/FGT-3	CONTROL, DISTR-XMTR
CW-Spec. GI-18086	C-2228/FGT-3	CONTROL, DISTR-XMTR
CW-Part/Spec. GS-18086, L2	C-2228A/FGT-3	CONTROL, DISTR-XMTR
CW-PR 45-1297	OA-3/FC	REP, TLG
CW-X61284-A	OA-6/FC	REP, TLG
CW-KS5844	PP-262/F	RECT POWER SUPPLY
CW-Part/Spec. KS-5988L01	PP-748/U	POWER SUPPLY
CW-63C2, X66068	SB-6/GG	SWBD, PATCHING, COMM
CW-63B1 or equal	SB-65/FGC	SWBD, PATCHING, COMM
CW-63B2	SB-65A/FGC	SWBD, PATCHING, COMM
CW-10E1	TH-7/FG	REP, TLG
CW-16B-1 (one line)	TH-8/FG	REP, TLG
CW-16B-1 (two line)	TH-9/FG	REP, TLG
CW-X66421A List 1 or equal	TS-577/FG	TEST SET, TTY
CW-118C2	TS-611/FG	TEST SET, TTY
CW-110C1 or equal	TS-612/FG	TEST SET, TTY

Commercial Designation	JAN Designation	Description
CW-119A	TS657/FG	TEST SET, TTY
CW-161A1	TS-660/UG	TEST SET, TTY
CW	TS-836/UGM-1	TEST SET, TTY
CCTD-MAS-SC-TT-10-CW-132A-2 or equal	TT-10/FG	TTY SET
CW-X61859 List 19	TT-14/FG	TAPE SPLICER
CW-128C2	TT-19/FG	REP, TTY
CW-128B2	TT-20/FG	REP, TTY
CW-G243062-1	TT-218/FGT-3	DISTR-XMTR, TTY
CW-G1-18197	TT-221/FGT-3	SIGNAL, SWBD
CW-GS18092	TT-222/FGT-3	DISTR-XMTR, TTY
CW-Part/Dwg. G318171	TT-280/FSA-26	DISTR-XMTR, TTY
CW-Part/Spec. GS-65287, L1	TT-281/FSA-26	DISTR-XMTR, TTY
CW-Part/Spec. GS-65287, L2	TT-282/FSA-26	DISTR-XMTR, TTY
CWS	CV-278/GR	CONVERTER, FREQ SHIFT
CYV-FXC1	CV-97/UX	CONVERTER, FREQ. SHIFT

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ARRANGED BY FUNCTION

Table 5-1. COMM. COMPUTER CODE PRINTING DEVICE.

Commercial Designation	JAN Designation
	TT-199/GG

Table 5-2. CRYPTOGRAPHIC TTY SET.

Commercial Designation	JAN Designation
CCTG	AN/MGC-6
CCTG	AN/MGC-6A

Table 5-3. ELECTROWRITER.

Commercial Designation	JAN Designation
CDK	TT-211/GSQ-11
CCQF-123-55-204 & CCXL-Model FPC-5	TT-296/GSQ-39

Table 5-4. FAX RECORDER.

Commercial Designation	JAN Designation
CBWS	AN/GXH-1
CBWS	AN/GXH-3()
CBKH	AN/UXH-1
CACA-180-00-00-00	AN/UXH-2
CG	AN/UXH-3
	RD-2/GXR
CACA-Model RG	RD-92/GXR
CACA-40C-00-00-00	RD-92A/GXR

Table 5-5. FAX TRANSCIVER.

Commercial Designation	JAN Designation
CACA-W-28-004-SC-521	AN/GXC-1
CACA	AN/GXC-2
CACA	AN/GXC-3
CACA-Model TXC	AN/GXC-4
CACA-Model 34E TXC	AN/GXC-5
	AN/TXC-1
	AN/TXC-1A
	AN/TXC-1B
	AN/TXC-1C
	AN/TXC-1D
	AN/TXC-2
	AN/TXC-3
CACA	TT-1/TXC-1
CACA	TT-1A/TXC-1
CACA	TT-1B/TXC-1
CKE	TT-1C/TXC-1
CACA	TT-1D/TXC-1
CACA-Model TXC	TT-1E/TXC-1
CACA-34E-00-00-00	TT-1F/TXC-1
CCTF	TT-29/FX
CACA	TT-41/TXC-1B
CACA-Model TXC	TT-41A/TXC-1B
CACA-Model TXC	TT-41B/TXC-1B
CACA-Model CRA	TT-66/TXC
CACA-FX1-C	TT-66A/TXC

Table 5-6. KBD-XMTR.

Commercial Designation	JAN Designation
CTT-LK1/MT	MX-1114/UG
CTT-LK3	MX-1114A/UG
CTT-LK4RN126	MX-1114B/UG
CTT-M28 Mark I	MX-1421/UG
CCTB	TT-146/AGC-1
CCTB	TT-147/AGC-2
CCQF-Part No. 123-54-255-0000-01	TT-285/GSQ-39
	(ADDRESS KBD)
CCXK & CCQF-Dwg. No. 123-54-256-0000-01	TT-286/GSQ-39
	(CHARACTER KBD)
CCVS-Model "MITE" 104	TT-318/UG

Table 5-7. MONITOR GROUP.

Commercial Designation	JAN Designation
CAXY	AN/GGA-11()
CTT	OA-519/FGC-6
CTT	OA-617/FGC-38
CTT	OA-617A/FGC-38
CTT	OA-620/FGC-38X
CTT	OA-620A/FGC-38X
CTT	OA-623/FGC-39
CTT	OA-623A/FGC-39

Table 5-8. PAGE PRINTER.

Type of Operation	Type of Motor	Type of Characters	Commercial Designation	JAN Designation
R/O	SER	Comm. (Ltrs. only)		AN/FGR-4
R/O	SER	Comm.	CTT-M15 lightweight	TT-39A/GGA-1
R/O	SER	Comm.	CTT-M15 (Modified)	TT-51/FG
R/O	SER	Comm.	CTT-M15 and CW-X66114B List 3.	TT-137/FG
R/O	SER	Comm.	CTT	TT-241/UG
R/O	SER	Comm.	CTT-M28	TT-275/UG
R/O	SER or SYN	Comm.	CTT-M15 PTR	TT-11/FG
R/O	SER	WX	CTT-M15	AN/FGC-34
R/O	SYN	Comm.	CTT-M15	AN/FGC-13
R/O	SYN	Comm.	CCTB-150R, W/54300A	AN/FGC-47
R/O	SYN	Comm.	CTT-M15 (Modified)	AN/SGC-5
R/O	SYN	Comm.	CTT-M15 lightweight	TT-39/GGA-1
R/O	SYN	Comm.	CTT-M15 (Modified)	TT-96/FG
R/O	SYN	Comm.	CTT-M15	TT-136/FG
R/O	SYN	Comm.	CTT-M28	TT-171/UG
R/O	SYN	Comm.	CTT-M28	TT-171A/UG
R/O	SYN	Comm.	CCTB-M150R	TT-209/FG
R/O	SYN	Comm.	CCTB-Part/Dwg. 90291A	TT-259/FG
R/O	SYN	Comm.	CTT-M28	TT-261/UG
R/O	SYN	Comm.	CTT-M28 PTR	TT-283/UG
R/O	SYN	Comm.	CTT-Special	TT-284/UG
R/O	SYN	Comm.	CCVS	TT-298/UG
R/O	SYN	Comm.	CTT-M28	TT-306/UG
R/O	SYN	WX	CCTB-151R, W/54300A	AN/FGC-48
R/O	SYN	WX	CTT-M15	TT-101/FG
R/O	SYN	WX	CCTB-M151R	TT-210/FG
R/O	28 vdc	Comm. (Ltrs. only)	CCTB	TT-144/AGC-1
R/O	28 vdc	Comm.	CCTB	TT-145/AGC-2
S/R	SER	Comm.	CCTB-152	AN/FGC-20X
S/R	SER	Comm.	CCTB-Model 90400A-32.40	AN/FGC-64
S/R	SER	Comm.	CCTB-Model 90400A-39.10	AN/FGC-66
S/R	SER	Comm.	CCTB	AN/FGC-67X
S/R	SER	Comm.		AN/GGC-6

ORIGINAL

Table 5-8. PAGE PRINTER (Cont'd)

Type of Operation	Type of Motor	Type of Characters	Commercial Designation	JAN Designation
S/R	SER	Comm.	CCTB-M100	AN/PGC-1
S/R	SER	Comm.	CTT	AN/PGC-2
S/R	SER	Comm.	CCTB	AN/TGC-6
S/R	SER	Comm.	CCTB-Model 90400A-35.10	AN/UGC-4
S/R	SER	Comm.	CACH-COL-Spec. 123-3100-004	AN/JGC-11(XN-1)
S/R	SER	Comm.	CCTB-Model 100	TT-4/FG
S/R	SER	Comm.	CCTB-Model 100A	TT-4A/FG
S/R	SER	Comm.	CCTB-60214A	TT-4B/FG
S/R	SER	Comm.	CTT-2. 18A-1	TT-5/FG
S/R	SER	Comm.	CTT-M28	TT-48/UG
S/R	SER	Comm.	CTT-M28	TT-48A/UG
S/R	SER	Comm.	CTT-M28	TT-48B/UG
S/R	SER	Comm.	CTT-M28	TT-48C/UG
S/R	SER	Comm.	CTT-M15 (Modified)	TT-50/UG
S/R	SER	Comm.	CTT-M15	TT-55/MGC
S/R	SER	Comm.	CCTB-M100	TT-61/FG
S/R	SER	Comm.	CTT-M28	TT-70/UG
S/R	SER	Comm.	CTT-M28	TT-70A/UG
S/R	SER	Comm.	CTT-M28 (Modified)	TT-70B/UG
S/R	SER	Comm.	CTT-M28	TT-70C/UG
S/R	SER	Comm.	CTT-M28	TT-70D/UG
S/R	SER	Comm.	CCTB-Type Bar Page TTY or equal	TT-72/AG
S/R	SER	Comm.	CCTB-M152, Dwg. 50525A	TT-98/FG
S/R	SER	Comm.	CCTB-M152	TT-98A/FG
S/R	SER	Comm.	CCTB-M152	TT-98B/FG
S/R	SER	Comm.	CCTB	TT-172/UG
S/R	SER	Comm.	CTT-Special	TT-190/TGC
S/R	SER	Comm.		TT-237/GGC-6
S/R	SER	Comm.		TT-237A/GGC-6
S/R	SER	Comm.	CTT	TT-240/UG
S/R	SER	Comm.	CCTB-M150-SER	TT-246/FG
S/R	SER	Comm.	CTT-M28	TT-248/FG
S/R	SER	Comm.	CCTB-Part/Dwg. 61311A	TT-271/FG
S/R	SER	Comm.	CCTB-Model 150	TT-300/FG
S/R	SER	European KBD	CCTB	AN/TGC-7
S/R	SER	European KBD	CCTB-Ref. 90121A	AN/TGC-7A
S/R	SER	European KBD	CCTB-M100C	TT-173/FG
S/R	SER	European KBD	CCTB-M100D	TT-173A/FG
S/R	SER/SYN	Comm.	CCVS	AN/TGC-14(V)
S/R		Comm.		AN/FGC-36
S/R	115V, 320-480 cps	Comm.	CTT-M28	TT-35/AG
S/R	26.5 vdc	Comm.	CTT-M28 PTR	TT-34/AG
S/R	28 vdc	Comm. (Ltrs. only)	CCTB	AN/AGC-1
S/R	28 vdc	Comm.	CCTB	AN/AGC-2
	SER	Comm.	CS-Part No. 1037627	TT-294/TPQ-13
S/R	SER	WX	CCTB	AN/FGC-21X
S/R	SER	WX	CCTB	AN/FGC-62X
S/R	SER	WX	CTT-M15, 2.16A-1	TT-6/FG
S/R	SER	WX	CCTB	TT-62/FG
S/R	SER	WX	CCTB-Type Bar Page TTY or equal	TT-65/FG

Table 5-8. PAGE PRINTER (Cont'd)

Type of Operation	Type of Motor	Type of Characters	Commercial Designation	JAN Designation
S/R	SER	WX	CCTB	TT-97/FG
S/R	SER	WX	CTT-M28	TT-129/UG
S/R	SER	WX	CTT-M28	TT-129A/UG
S/R	SER	WX	CTT-M28	TT-131/UG
S/R	SER	WX	CTT-M28	TT-131A/UG
S/R	SER	WX	CCTB-Model 62080A	TT-293/FG
S/R	SYN	Comm.	CTT-M15	AN/FGC-10
S/R	SYN	Comm.	CTT-M15 (Modified)	AN/FGC-17
S/R	SYN	Comm.	CCTB-150	AN/FGC-20
S/R	SYN	Comm.	CCTB-150, W/54300A	AN/FGC-45
S/R	SYN	Comm.	CCTB	AN/FGC-67
S/R	SYN	Comm.	CTT-M15 (Modified)	AN/SGC-4
S/R	SYN	Comm.	CTT-M26	TT-24/FG
S/R	SYN	Comm.	CTT-M28	TT-47/UG
S/R	SYN	Comm.	CTT-M28	TT-47A/UG
S/R	SYN	Comm.	CTT-M28	TT-47B/UG
S/R	SYN	Comm.	CTT-M28	TT-47C/UG
S/R	SYN	Comm.	CTT-M28 PTR	TT-47D/UG
S/R	SYN	Comm.	CTT-M28	TT-47E/UG
S/R	SYN	Comm.	CTT-M15 (Modified)	TT-49/UG
S/R	SYN	Comm.	CTT-M28	TT-69/UG
S/R	SYN	Comm.	CTT-M28	TT-69A/UG
S/R	SYN	Comm.	CTT-M28	TT-69B/UG
S/R	SYN	Comm.	CTT-M28	TT-69C/UG
S/R	SYN	Comm.	CTT-M15, BP91/97	TT-90/UG
S/R	SYN	Comm.	CCTB-M150	TT-100/FG
S/R	SYN	Comm.	CCTB-M150	TT-100B/FG
S/R	SYN	Comm.	CTT-M28	TT-176/UG
S/R	SYN	Comm.	CTT-M28	TT-176A/UG
S/R	SYN	Comm.	CCTB-M150	TT-207/FG
S/R	SYN	Comm.	CTT	TT-234/SGA-3
S/R	SYN	Comm.	CTT-Special	TT-242/UG
S/R	SYN	Comm.	CTT-M28	TT-243/FG
S/R	SYN	Comm.	CTT-M28	TT-244/FG
S/R	SYN	Comm.	CCTB-M150-SYN	TT-245/FG
S/R	SYN	Comm.	CTT-M28	TT-247/FG
S/R	SYN	Comm.	CCVS-Model 104	TT-264/AG
S/R	SYN	Comm.	CCTB-Part/Dwg. 61328A	TT-269/FG
S/R	SYN	Comm.	CCVS	TT-299/UG
S/R	SYN	Comm.	CTT-M28	TT-307/UG
S/R	SYN	Comm. and Special DWI, Type Boxes	CTT-M28 (Modified)	TT-183/GGA-1A
S/R	SYN	Comm. and Special DWI, Type Boxes	CTT-M28 (Modified)	TT-184/GGA-1B
S/R	SYN/SER (not included)	Comm.	CCVS	TT-297/UG
S/R	SYN	WX	CTT-M15	AN/FGC-18
S/R	SYN	WX	CCTB-151	AN/FGC-21
S/R	SYN	WX	CTT-M15	AN/FGC-41
S/R	SYN	WX	CCTB-151, W/54300A	AN/FGC-46
S/R	SYN	WX	CCTB	AN/FGC-62

Table 5-8. PAGE PRINTER (Cont'd)

Type of Operation	Type of Motor	Type of Characters	Commercial Designation	JAN Designation
S/R	SYN	WX	CCTB-151, Dwg. 52500A	TT-99/FG
S/R	SYN	WX	CTT-M28	TT-128/UG
S/R	SYN	WX	CTT-M28	TT-128A/UG
S/R	SYN	WX	CTT-M28	TT-130/UG
S/R	SYN	WX	CTT-M28	TT-130A/UG
S/R	SYN	WX	CCTB-M151	TT-208/FG
S/R	SYN	WX	CTT-M15	TT-232/FG
S/R		Comm.	CTT-M28	TT-33/UG
			Cancelled	TT-100A/FG
S/R			CAXY-Model FTM	TT-216/FIC-T1

Table 5-9. PAGE PRINTER W/PERF.

Type of Operation	Type of Motor	Type of Characters	Commercial Designation	JAN Designation
S/R	SER	Comm.	CCTB	TT-119/FG
S/R	SER	Comm.	CCTB-59900A	TT-119A/FG
S/R	SER	Comm.	CCTB	TT-154/FG
S/R	SER	WX	CCTB	TT-120/FG
S/R	SYN	Comm.	CCTB-M152	TT-117/FG
S/R	SYN	Comm.	CCTB-59825A	TT-117A/FG
S/R	SYN	WX	CCTB-59925A	TT-118/FG

Table 5-10. PAGE PRINTER W/PERF AND XMTR DISTR.

Type of Operation	Type of Motor	Type of Characters	Commercial Designation	JAN Designation
S/R	SER	Comm.	CTT-M19	AN/FGC-8
S/R	SER	Comm.	CTT-M19	AN/FGC-11
S/R	SER	Comm.	CTT-M19 (Modified)	AN/SGC-3
S/R	SER	Comm.	CTT-M19, 4. 15A-1	TT-7/FG
S/R	SER, 28 vdc	Comm.		AN/MGC-18
S/R	SER	WX	CTT-M19, 4. 13A-1	TT-8/FG
S/R	SYN	Comm.	CTT-M19	AN/FGC-9
S/R	SYN	Comm.	CTT-M19 (Modified)	AN/FGC-24
S/R	SYN	Comm.	CTT-M19 (Modified)	AN/SGC-2
S/R	SYN	WX	CTT-M19 (Modified)	AN/FGC-19
S/R	SYN	WX	CTT-M19	AN/FGC-42
S/R			CAXY-Model FTM	TT-217/FIC-T1

Table 5-11. PAGE PRINTER W/TYPG PERF AND XMTR DISTR.

Type of Operation	Type of Motor	Type of Characters	Commercial Designation	JAN Designation
S/R	SER	Comm.	CTT-M28 ASR	AN/FGC-56X
S/R	SER	Comm.	CTT-M28 ASR	AN/UGC-5AX
S/R	SER	Comm.	CTT-M28 ASR	AN/UGC-5X
S/R	SER	WX	CTT-M28 ASR	AN/UGC-7X
S/R	SYN	Comm.	CTT-M28 ASR	AN/FGC-56
S/R	SYN	Comm.	CTT-M28 ASR	AN/UGC-5
S/R	SYN	Comm.	CTT-M28 ASR	AN/UGC-5A
S/R	SYN	WX	CTT-M28 ASR	AN/UGC-7

Table 5-12. PAGE PRINTER W/TYPG PERF, TYPG REPERF AND XMTR DISTR.

Type of Operation	Type of Motor	Type of Characters	Commercial Designation	JAN Designation
S/R	SER	Comm.	CCTB-153	AN/FGC-25X
S/R	SER	Comm.	CCTB	AN/FGC-52X
S/R	SER	Comm.	CCTB	AN/FGC-53
S/R	SER	Comm.	CTT-M28 ASR	AN/FGC-58X
S/R	SER	Comm.		AN/MGC-5
S/R	SER	Comm.	CTT-M28 ASR	AN/UGC-6AX
S/R	SER	Comm.	CTT-M28 ASR	AN/UGC-6X
S/R	SER	WX	CCTB	AN/FGC-26X
S/R	SER	WX	CTT-M28 ASR	AN/UGC-8X
S/R	SYN	Comm.	CCTB-154	AN/FGC-25
S/R	SYN	Comm.	CCTB	AN/FGC-52
S/R	SYN	Comm.	CCTB-154B	AN/FGC-57
S/R	SYN	Comm.	CTT-M28 ASR	AN/FGC-58
S/R	SYN	Comm.	CTT-M28 ASR	AN/UGC-6
S/R	SYN	Comm.	CTT-M28 ASR	AN/UGC-6A
S/R	SYN	Comm.	CCVS	AN/UGC-12
S/R	SYN	Comm.	CTT-M28 ASR	AN/UGC-13
S/R	SYN	WX	CCTB	AN/FGC-26
S/R	SYN	WX	CTT-M28 ASR	AN/UGC-8

Table 5-13. PERFORATOR.

Commercial Designation	JAN Designation
CTT-DPE201BB/KU	AN/FGQ-2
CTT-M14	TT-9/FG
CCTB	TT-121/FG
	TT-213/GSQ-20
CTT-Model BRPEB4 & CCQF	TT-295/GSQ-39

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Table 5-14. TYPG PERFORATOR.

Commercial Designation	JAN Designation
CTT-M14 CTT-LTPE1RAA, M28 ASR CTT-LTPE1ARE, M28, ASR	TT-194/UG TT-252/UG TT-265/UG

Table 5-15. WHEATSTONE PERFORATOR.

Commercial Designation	JAN Designation
CTT CTT-WPE3/1SS, 1299-MPD-45 or equal	AN/FGQ-3 MX-491/U TH-24()/UGT

Table 5-16. PRINTER-PROJECTOR.

Commercial Designation	JAN Designation
CTT-M15 Special CTT-M28	TT-71/UG TT-262/FG

Table 5-17. RADIO TTY SET.

Commercial Designation	JAN Designation
CTT-CS432; & CAOR-CS509	AN/AGA-1 AN/FGC-50 (Classified Equip.)
CCVP COL	AN/GSC-6 AN/TSC-15 AN/VRC-29

Table 5-18. RECEIVER GROUP.

Commercial Designation	JAN Designation
CTT	OA-518/FGC-6
CTT	OA-616/FGC-38
CTT	OA-616A/FGC-38
CTT	OA-619/FGC-38X
CTT	OA-619A/FGC-38X
CTT	OA-622/FGC-39
CTT	OA-622A/FGC-39

Table 5-19. REPERF

Type of Motor	Commercial Designation	JAN Designation
	CTT-Part/Dwg. RPE-26 Cancelled	TT-189/FG TT-219/GTT
SER	CTT-M14, 9. 2-1	TT-15/FG
SER	CCTB	TT-116/FG
SYN	CCTB	TT-115/FG
SYN	CTT-M14	TT-135/FG
SYN	CTT-LPR4RAA	TT-276/UG

Table 5-20. REPERF ASSEMBLY.

Commercial Designation	JAN Designation
CBBX-920A Monitor Set; & CJB-Part/Dwg. 117792	TT-85/TGC-4
CBBX-940A Receiving TBL; & CJB-Part/Dwg. 118541	TT-86/TGC-4
CBBX-921A, 2-925A, 1045A, 1040A; CTT-M14 and CJB-Part/Dwg. 117818	TT-88/TGC-4
CTT-M28 Torn Tape	TT-308/UG
CTT	TT-309/UG

Table 5-21. REPERF W/XMTR DISTR

Type of Motor	Commercial Designation	JAN Designation
SER	CTT-M14	TT-188/FG

Table 5-22. TYPG PERF REI'ERF W/KBD-XMTR

Type of Motor	Type of Characters	Commercial Designation	JAN Designation
SER	Comm.	CTT-M28	TT-292/UG
SYN	Comm.	CTT-M28	TT-253/UG

Table 5-23. TYPG REPERF

Type of Motor	Type of Characters	Commercial Designation	JAN Designation
		Cancelled	TT-163A/FGC-39A
		Cancelled	TT-166A/FGC-39
	Comm.	CTT-LPR9AWA, M28 ASR	TT-266/UG
	Comm.	CTT-LPR34BWA	TT-314/UG
	Comm.	CTT-LPR35BWA	TT-315/UG
	WX	CTT-LPR9ARE, M28 ASR	TT-267/UG
SER	Comm.	CTT-M14, 10.4A-3	TT-16/FG
SER	Comm.	CTT-M14	TT-46/FG
SER	Comm.	CTT-M14	TT-53/FG
SER	Comm.	CTT-M14	TT-67/UG
SER	Comm.	CCTB-Model 190162A	TT-109/FG
SER	Comm.	CTT-M14	TT-133/UG
SER	Comm.	CTT-M14	TT-162/FGC-38
SER	Comm.	CTT-M14	TT-165/FGC-38X
SER	Comm.	CTT-M14	TT-202/FGC-38AX
SER	Comm.	CTT-M14	TT-203/FGC-38AX
SER	Comm.	CCTB-M180, Ref. 58073A	TT-225/TG
SER	Comm.	CTT-M28	TT-274/UG
SER	WX	CTT-M14, 10.5A-3	TT-17/FG
SER	WX	CCTB	TT-110/FG
SYN		CRV-Modified 8898508-2 SUB-O, CTT-M14	TT-59/CPS-10
SYN	Comm.	CTT-M14	TT-45/FG
SYN	Comm.	CTT-M14	TT-91/UG
SYN	Comm.	CTT-M14	TT-92/FG
SYN	Comm.	CTT-M14 (Modified)	TT-93/FG
SYN	Comm.	CCTB-M112	TT-107/FG
SYN	Comm.	CCTB-Model 90106A	TT-107A/FG
SYN	Comm.	CCTB-Model 90175A	TT-107B/FG
SYN	Comm.	CTT-M14	TT-132/UG
SYN	Comm.	CTT-M14X	TT-140/FGC-6
SYN	Comm.	CTT-M14X	TT-141/FGC-6
SYN	Comm.	CTT-M14	TT-142/FG
SYN	Comm.	CTT-M14	TT-161/FGC-38
SYN	Comm.	CTT-M14	TT-163/FGC-39
SYN	Comm.	CTT-M14	TT-164/FGC-38
SYN	Comm.	CTT-M14	TT-166/FGC-39
SYN	Comm.	CCTB-M108	TT-175/FG
SYN	Comm.	CCTB	TT-175A/FG
SYN	Comm.	CTT-M14	TT-186/FG

Table 5-23. TYPG REPERF (Cont'd)

Type of Motor	Type of Characters	Commercial Designation	JAN Designation
SYN	Comm.	CTT-M28	TT-192/UG
SYN	Comm.	CCTB	TT-195/FG
SYN	Comm.	CTT-M14	TT-200/FGC-38A
SYN	Comm.	CTT-M14	TT-201/FGC-38A
SYN	Comm.	CTT-M14	TT-204/FGC-39A
SYN	Comm.	CTT-M14	TT-205/FGC-39A
SYN	Comm.	CCTB-M179, Ref. 58266A	TT-224/TG
SYN	Comm.	CCTB-M103B	TT-228/FG
SYN	Comm.	CCTB-M105B	TT-230/FG
SYN	Comm.	CTT-FPR23H246	TT-279/UG
SYN	WX	CTT-M14	TT-104/FG
SYN	WX	CCTB-Model 90262A	TT-108/FG

Table 5-24. TYPG REPERF W/KBD XMTR.

Type of Motor	Type of Characters	Commercial Designation	JAN Designation
SER	Comm.	CCTB	AN/FGC-22X
SER	Comm.	CTT-M14	TT-37A/GGA-1
SER	Comm.	CTT-M14	TT-38A/GGA-1
SER	Comm.	CTT-M14	TT-74/FG
SER	Comm.	CTT-M14	TT-102/FG
SER	Comm.	CCTB	TT-113/FG
SER	WX	CCTB	AN/FGC-23X
SER	WX	CCTB	TT-114/FG
SYN	Comm.	CCTB	AN/FGC-22
SYN	Comm.	CTT-M14	TT-37/GGA-1
SYN	Comm.	CTT-M14	TT-38/GGA-1
SYN	Comm.	CTT-M14	TT-103/FG
SYN	Comm.	CTT-M14	TT-105/FG
SYN	Comm.	CCTB	TT-111/FG
SYN	Comm.	CTT-M14	TT-159/UG
SYN	Comm.	CTT-M14	TT-182/FG
SYN	WX	CCTB	AN/FGC-23
SYN	WX	CCTB	TT-112/FG

Table 5-25. TYPG REPERF W/KBD-XMTR AND XMTR DISTR.

Type of Motor	Type of Characters	Commercial Designation	JAN Designation
SER	Comm.	CCTB	AN/FGC-27X
SER	Comm.	CTT-M14	AN/FGC-40
SER	Comm.	CCTB-109	AN/GGC-3

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Table 5-25 TYPG REPERF W/KBD-XMTR AND XMTR DISTR. (Cont'd)

Type of Motor	Type of Characters	Commercial Designation	JAN Designation
SER	Comm.	CCTB-Ref. 90211A	AN/GGC-3A
SER	Comm.	CTT-M14	TT-56/MGC
SER	Comm.	CCTB-M110	TT-76/GGC
SER	Comm.	CCTB-Model 90161A	TT-76A/GGC
SER	Comm.	CCTB-Model 90240A	TT-76B/GGC
SER	Comm.	CCTB	TT-150/FG
SER	WX	CCTB	AN/FGC-28X
SER	WX	CCTB	AN/GGC-5
SER	WX	CCTB	TT-152/FG
SER	WX	CCTB	TT-177/TGC
SYN	Comm.	CTT-M14	AN/FGC-12
SYN	Comm.	CCTB	AN/FGC-27
SYN	Comm.	CCTB	TT-149/FG
SYN	WX	CCTB	AN/FGC-28
SYN	WX	CCTB	TT-151/FG

Table 5-26. TYPG REPERF W/XMTR DISTR.

Type of Motor	Type of Characters	Commercial Designation	JAN Designation
SER	Comm.	CW-X66505A-1	AN/TGC-3
SER	Comm.	CCTD-MAS-SC-TT-10; & CW-132A-2 or equal	TT-10/FG
SER	Comm.	CCTB	TT-178/FG
SER	Comm.	CCTB-59875A	TT-178A/FG
SER	Comm.		TT-193/GGA
SER	Comm.	CCTB-Part/Dwg. 61310A	TT-272/FG
SER	WX	CCTB	TT-180/FG
SYN	Comm.	CTT-M14	AN/FGC-15
SYN	Comm.	CTT-M14	AN/FGC-16
SYN	Comm.		AN/FGC-51
SYN	Comm.		AN/TGC-13()
SYN	Comm.	CTT	AN/UGC-14
SYN	Comm.	CBBX-985-A-1 Tape Patching Set; & CJB-Part/Dwg. 117816	TT-80/TGC-4
SYN	Comm.	CBBX-985A SWBD Monitor Set; & CJB-Part/Dwg. 117814	TT-81/TGC-4
SYN	Comm.	CCTB	TT-179/FG
SYN	Comm.	CCTB-59850A	TT-179A/FG
SYN	Comm.	CCTB-M101B	TT-226/FG
SYN	Comm.	CCTB-M102B	TT-227/FG
SYN	Comm.	CCTB-M106B	TT-231/FG
SYN	Comm.	CCTB	TT-250/FG
SYN	Comm.	CCTB-M101C	TT-254/FG
SYN	Comm.	CCTB-M102C	TT-255/FG
SYN	Comm.	CCTB-M106C	TT-257/FG
SYN	Comm.	CCTB-Part/Dwg. 61329A	TT-270/FG
SYN	WX	CCTB-59950A	TT-181/FG

Table 5-27. WHEATSTONE AUTOMATIC REPERF.

Commercial Designation	JAN Designation
CTT-Special	TT-94/FG

Table 5-28. MULTIPLE XMTR DISTR.

Type of Motor	Commercial Designation	JAN Designation
SER	CTT-M14	TT-158/FG
SER	CTT	TT-212/FG
SYN	CTT-M14	TT-155/FG
SYN	CTT-M14	TT-156/FG
SYN	CTT-M14	TT-167/FGC-38
SYN	CTT-M14	TT-168/FGC-39
SYN	CTT-M14	TT-169/FGC-38
SYN	CTT-M14	TT-170/FGC-39

Table 5-29. XMTR DISTR.

Type of Motor	Commercial Designation	JAN Designation
	CBRL-Part No. J-17-102	AN/GGT-2
	CTT-Special XD95GW or equal; & CW-14ABM	TT-25/FG
	Classified Equipment	TT-185/GRD-6
	Cancelled	TT-191/FG
	CW-GS18092	TT-220/GTF
		TT-222/FGT-3
		TT-223/FGT-3
	CTT-LXD3, M28 ASR	TT-251/UG
	CCTB-Part/Dwg. 90159A	TT-260/FG
	CTT-MXD36	TT-277/UG
	CTT-Part No. MFD7	TT-278/UG
	CTT-LBXD16	TT-312/UG
	CTT-LAXD7	TT-313/UG
SER	CW-14AB; & CTT-Special XD79EY	TT-12/FGQ-1
SER	CTT-M14ABM-1, XD228BD/GW	TT-21/FG
SER	CTT-M14, XD224BB/GW	TT-21A/FG
SER	CTT-Type 58	TT-36A/GGA-1
SER	CTT-M14, XD200AA/FR	TT-52/FG
SER	CCTB	TT-123/FG
SER	CCTB-90204A	TT-123A/FG
SER	CCTB	TT-153/FG
SER		TT-214/GGT
SER	CW-G243062-1	TT-218/FGT-3

Table 5-29. XMTR DISTR. (Cont'd)

Type of Motor	Commercial Designation	JAN Designation
SER	COL-522-8707-004	TT-233/FRC-44
SER		TT-236/FG
SER	CTT-M28, LXD1	TT-273/UG
SER	CW-Part/Dwg. G318171	TT-280/FSA-26
SER	CW-Part/Spec. No. GS-65287, L1	TT-281/FSA-26
SER	CW-Part/Spec. No. GS-65287, L2	TT-282/FSA-26
SYN	CW-14AA; & CTT-Special XD79EZ	TT-13/FGQ-1
SYN	CTT-Type 58	TT-36/GGA-1
SYN	CTT-M14, XD208AA/AJ	TT-43/FG
SYN	CTT-M14, XD200AA/AJ	TT-57/FG
SYN	CRV-Modified 8898508-1 Sub-Q; & CTT-M14, WD-2084	TT-60/CPS-10
SYN	CCTB	TT-122/FG
SYN	CCTB-90203	TT-122A/FG
SYN	CTT-M14X	TT-138/FGC-6
SYN	CTT-M14X	TT-139/FGC-6
SYN	CTT-M14	TT-143/UG
SYN	CTT-M14	TT-157/FG
SYN	CCTB-M107	TT-174/FG
SYN	CCTB-90247A	TT-174A/FG
SYN	CTT-M28	TT-187/UG
SYN		TT-215/GGT
SYN	CCTB-104B	TT-229/FG
SYN		TT-235/FG
SYN	CTT	TT-249/FG
SYN	CCTB-M104C	TT-256/FG

Table 5-30. XMTR DISTR ASSEMBLY.

Commercial Designation	JAN Designation
CTT	OA-517/FGC-6
CTT-Special XD91GL or equal	TT-26/FG
CBBX-910A sending tbl.; & CJB-Part/Dwg. 118615	TT-82/TGC-4
CBBX-910A sending tbl.; & CJB-Part/Dwg. 118615	TT-83/TGC-4
CBBX-Auto, numbering set; & CJB-Part/Dwg. 117749	TT-84/TGC-4
CTT-M28 Torn Tape XMTR Group	TT-310/UG

Table 5-31. XMTR GROUP.

Commercial Designation	JAN Designation
CTT	OA-615/FGC-38
CTT	OA-615A/FGC-38

Table 5-31. XMTR GROUP. (Cont'd)

Commercial Designation	JAN Designation
CTT	OA-618/FGC-38X
CTT	OA-618A/FGC-38X
CTT	OA-621/FGC-39
CTT	OA-621A/FGC-39

Table 5-32. SWITCHBOARDS AND PANELS.

Commercial Designation	JAN Designation
CW-63C2, X66068	SB-6/GG
CCN-G-5488	SB-6A/GG
	SB-22/PT
CW-63B1 or equal	SB-65/FGC
CW-63B2	SB-65A/FGC
CCN-3547	SB-65B/FGC
CAIU-K6 or equal	SB-66/FGC
CAIU-CA-334-C	SB-66A/FGC
	SB-92/FG
CTT-LESU1	SB-154/UG
CTT-LESU3	SB-154A/UG
CTT-LESU7/191	SB-154B/UG
CJB-118088; & CBBX-1063-A	SB-233/TGC-4
CJB-118070; & CBBX-1036-A	SB-234/TGC-4
CBBX-930-A	SB-235/TGC-4
CTT-128289 or SST-15046-1	SB-357/FGC
CTT-128288 or SST-11045-1	SB-358/FGC
CTT-LESU6/119	SB-408/UG
	SB-467/FG
	SB-469/FG
	SB-472/MGC-12
	SB-473/MSC-22
CCN-G-15063	SB-501/MGC-2
CCTE-10130000A	SB-785/G
CCTG; & CGA-435A751-561-100	SB-905/TGC-11
CTT-LESU7/147, M28 PTR	SB-964/UG
	SB-1203/UG
	SB-1210/UGQ
	TT-23/SG
CBTP-12-101	TT-23A/SG
	TT-23B/SG
	TT-23C/SG
	TT-23D/SG
CBOT	TT-23E/SG
	TT-23F/SG
CW-GI-18197	TT-221/FGT-3

Table 5-33. TAPE ACCESSORIES.

Commercial Designation	JAN Designation
CHO-4-E Series B	KY-14/U
CMK-TP890-742	MX-333/GG
CHO-4D, Series E or equal	MX-439/U
CHO-4E, Series G Modified	MX-439A/U
CHO-4F	MX-442()/U
CHO-7FA, Series E	MX-477/U
CHO-4FA, Series E	MX-478/U
CHO-7H	MX-480/U
CHO-4K	MX-481/U
CMK-Model TTG	MX-481A/U
CBHP-Model 52	MX-481B/U
CHO-8F	MX-1365/U
CHO-4G	RD-17/U
CMK-D-100BD	TH-10/U
CMK-TP-90	TH-10A/U
CBHP-TP100 or equal	TT-2/TG
CBHP-TP100 or equal	TT-3/FG
CW-X61859 List 19	TT-14/FG
CBBX-929-A	TT-18/FG
CMK-HDR-243 or equal	TT-27/F
CHO-11F	TT-28/U
CTT-99214; & CW-Type 1A	TT-54/FG
CBBX-980A Dwg. XB90384	TT-87/TGC-4
	TT-106/U

Table 5-34. TAPE PRINTER.

Type of Operation	Type of Motor	Commercial Designation	JAN Designation
R/O	SER	CTT-M14	AN/FGC-33
R/O	SER	CTT-M14	TT-127/FG
R/O	SYN	CTT-M14	AN/FGC-32
R/O	SYN	CTT-FP81DM103	TT-77/UG
R/O	SYN	CTT-M14	TT-89/FG
S/R	SER	CTT-M14	AN/FGC-4
S/R	SER	CTT-M14	TT-126/FG
S/R	SER	CTT-M31	TT-134/UG
S/R	SYN	CTT-M14	AN/FGC-31
S/R	SYN	CTT-M14	TT-125/FG
S/R	SYN	CTT-M14	TT-125A/FG
S/R	26 vdc	CTT-M31 Special	TT-30/AGA-1
S/R	27.5 vdc	CTT-M31 (Modified)	TT-124/AG

Table 5-35. TAPE RELAY SYSTEM.

Commercial Designation	JAN Designation
CTT-M14	AN/FGA-1
CTT	AN/FGC-6
CTT	AN/FGC-6X
CTT	AN/FGC-38
CTT	AN/FGC-38A
CTT	AN/FGC-38AX
CTT	AN/FGC-38X
CTT	AN/FGC-39
CTT	AN/FGC-39A
CTT-M28 Torn Tape System	AN/FGC-59
CBBX-SC-1A or equal	AN/TGC-1
CJB	AN/TGC-1A
CEE-SCD31245	AN/TGC-1B
CFI-2500	AN/TGC-1C
CBBX- or equal	AN/TGC-4
CCTB-179	AN/TGC-5
CCTB-179A, Ref. 90235	AN/TGC-5A
CCTB-180A, Ref. 90236A	AN/TGC-5AX
CCTB-180	AN/TGC-5X
CCTB-90237A	AN/TGC-12
CCTB-90231A	AN/TGC-12X
CTT-M28 ASR	AN/UGC-10

Table 5-36. TELEGRAPHIC CODE TRAINER.

Commercial Designation	JAN Designation
CMK	AN/FGC-T1
	AN/FGC-T2
	AN/FGC-T3
CMK-39314	AN/FGC-T4

Table 5-37. TERMINAL EQUIPMENT.

Commercial Designation	JAN Designation
CW-42B1 or equal	AN/FCC-1
CAOR-HC-4800	AN/FCC-2
CQD-7860	AN/FCC-3
CMK	AN/FCC-3A
CMK	AN/FCC-3B
CAOR-HB5218	AN/FCC-3C
	AN/FCC-7
	AN/FCC-7A

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Table 5-37. TERMINAL EQUIPMENT. (Cont'd)

Commercial Designation	JAN Designation
CMK	AN/FCC-7B
CMK	AN/FCC-7C
CAOR-HB5219	AN/FCC-8
CCTC-F15361	AN/FCC-12
CCTC-F15360	AN/FCC-13
CAOR-HD5218	AN/FCC-14
CKG	AN/FCC-15(V)
CCN-5805	AN/FCC-16
	AN/FCC-17
CBVV-Part No. MRTM-1	AN/FGA-4
CBVV-Type No. D7006	AN/FGA-5
CW-X61789-A	AN/FGC-1
CW-X61790-A, B, C	AN/FGC-1A
CW-Spec. RE-9538A	AN/FGC-1B
CW-X61789A-1	AN/FGC-1X
CRV-L-1075B	AN/FGC-2
CBBX-Spec. 6480B	AN/FGC-3
CTT-Spec. S-5605	AN/FGC-5
	AN/FGC-14 (Cancelled)
CBBX	AN/FGC-29
CW	AN/FGC-35
	AN/FGC-44 (Classified EQUIP)
CTT	AN/FGC-49
	AN/FGC-54
	AN/FGC-55
CCVR & CBPP-Model 2004	AN/FGC-60
CCVR	AN/FGC-60(V)
CNR-Type 235, Model 1	AN/FGC-61
CCVQ-Phase "MULTILOK" system Type M2B, Model No. 5463	AN/FGC-63
	AN/FGC-2
CBBX	AN/FGC-3
CTT	AN/FGT-1
CBBX	AN/FGT-2
CW-G-251482	AN/FGT-3
	AN/FRQ-9(V)
CBTB-Type 229, Model 1 (Modified)	AN/GGA-10
COL	AN/SCA-1(XN-1)
CRL	AN/SGC-1
CRL	AN/SGC-1A
COL	AN/SSA-24(XN-1)
COL	AN/SSA-25(XN-1)
COL	AN/SSA-26(XN-1)
COL	AN/SSC-1(XN-1)
COL	AN/SSQ-29(XN-2)
	AN/TCC-1
	AN/TCC-2
	AN/TCC-4
CFT-A1006830-1 (Modified)	AN/TCC-4A
	AN/TCC-14

Table 5-37. TERMINAL EQUIPMENT (Cont'd)

Commercial Designation	JAN Designation
CFT	AN/TCC-20 AN/TCC-20A AN/TCC-29 AN/TCC-30 AN/TCC-31 AN/TCC-35 AN/UCC-1
CTT	AN/UGA-1 AN/UGA-2() AN/UGC-1 AN/UGC-2 AN/UGC-3 AN/UGC-9
CNR	TH-5/TG
CTT	TH-6/FGC-3
CRL	TH-19/FG
CBBX-6480-B or equal	TH-20/UG
CHO-Type 6-C	TH-21/UC
CAOR-Model 1812	TH-22()/TG TH-23()/FG TH-36()/G TH-37/UG
CRL	TT-31/AGA-1
CAOR	TT-32/AGA-1
CRL	TT-40/SGC-1
CRL	TT-40A/SGC-1
CTT-EMXD200BM	TT-58/FGC-5
CTI-EMRD200BM	TT-64/FGC-5
CBED-C3828	TT-68/UG
CCTB	TT-148/AGC-1
CAOW	TT-160/FG
CBED	TT-197/FGC-44
CBED	TT-198/FGC-44
CCPK	TT-263()/G
CCXM-DAG1003	TT-302/GMH-2

Table 5-38. TEST EQUIP.

Commercial Designation	JAN Designation
CBVV-Model No. EDU-100-75 (NPG-SENDS)	AN/FGM-1
CBVV-Model No. EDU-100-75 (NPM-SENDS)	AN/FGM-2
CBVV-Model No. EDU-100-75 (NSS-SENDS)	AN/FGM-3
CBVV-Model No. EDU-100-75 (NPO-SENDS)	AN/FGM-4
CAIU-PEC-711; & CTT-EMTS-200	AN/PGM-1
CCXN	AN/PGM-1A AN/UGM-1

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Table 5-38. TEST EQUIP. (Cont'd)

Commercial Designation	JAN Designation
CTT-ED57GG	AN/UGM-2
CMi	AN/UGM-3
CMK-Type No. B	TS-2/TG
CMK-5008	TS-2A/TG
CTT-DXD4/DTS	TS-2B/TG
CTT-DXD4/DTS	TS-2C/TG
CTT-DXD4/MU26	TS-383/GG
CW-X66421A list 1 or equal	TS-383A/GG
CCTD-7506	TS-383B/GG
CW-118C2	TS-577/FG
CCTD	TS-577A/FG
CW-110C1 or equal	TS-611/FG
CTT-DXD4/MU4	TS-611A/FG
CW-119A	TS-612/FG
CTT-ED51DT	TS-652/GG
CTT-ED58HE	TS-657/FG
CW-161A1	TS-658/UG
CTD-NFF-1	TS-659/UG
	TS-660/UG
	TS-676/U
	TS-799/UGM-1
CW	TS-800/UGM-1
	TS-836/UGM-1
CBVV-TDA2	TS-888()/UG
CBVV	TS-917/GG
CBVV	TS-1373/FG
CBVV	TS-1374/FG
	TS-1375/FG

Table 5-39. TTY AND FAX POWER SUPPLY.

Commercial Designation	JAN Designation
CCVS	MK-539/UG
CCVS	MK-540/UG
CACA	PP-86/TXC-1
CACA	PP-86A/TXC-1
CKE	PP-86B/TXC-1
CACA-Model TXC	PP-86C/TXC-1
CACA-Model TXC	PP-86D/TXC-1
CACA-34F-15-00-00	PP-86E/TXC-1
CAIU-PEC-260	PP-108/TG
CAIU-PEC-250-F	PP-108A/TG
CTT-REC-32	PP-189/U
CW-KS5844	PP-262/F
CAIU & CTT-REC-30	PP-315/GGA-1
CAIU & CTT-REC-29	PP-424/U

Table 5-39. TTY AND FAX POWER SUPPLY. (Cont'd)

Commercial Designation	JAN Designation
CCTB & CAIU-PEC-641 or equal	PP-604/FG
CAIU-PEC-648	PP-610/U
CW-Part/Spec. KS-5988L01	PP-748/U
CAIU-PEC-724	PP-765/U
CAIU-PEC-724 REV. B	PP-765A/U
CCTB-P/o M150	PP-978/FG
CAIU-850 & CTT-REC-47	PP-987/U
CTT-151999 and 152308	PP-1010/UG
CCBF	PP-1011/U
CTT-REC-10	PP-1328/FG
	PP-1328A/FG
	PP-1646B/UG
CCTB	PP-1801/FG
CHO	PP-2783/UG

Table 5-40. TTY CENTRAL OFFICE & COMM CENTRAL.

Commercial Designation	JAN Designation
CGA	AN/FGC-30
CTT & CAOX	AN/GGC-2
Assembled by Norfolk NAVSHIPYD	AN/MGC-1
CCTG	AN/MGC-2
CCTG	AN/MGC-2A
	AN/MGC-9
Depot assembled.	AN/MGC-10
	AN/MGC-11
	AN/MGC-12
	AN/MGC-13
	AN/MGC-16
	AN/MGC-17
	AN/MGC-19
CGA	AN/MGC-20
COL	AN/SRC-16(XN-1)
COL	AN/SRC-18()
COL	AN/SRC-19()
	AN/TGC-9
	AN/TGC-10
	AN/TGC-11

Table 5-41. TTY CODE GROUP

Commercial Designation	JAN Designation
CW-131B-2	AN/FGQ-1
CW-GA-10598	AN/FGQ-1A
	AN/GGQ-2
CTT	AN/SGA-3
CTT-Spec. ZCC200, Converter REC-49 Power Supply	AN/SGA-3A
	AN/SGA-5

Table 5-42. TTY GROUP.

Commercial Designation	JAN Designation
Assembled by Norfolk NAVSHIPYD	AN/FGA-2
CTT	AN/GGA-1
CTT	AN/GGA-1A
CTT	AN/GGA-1B
CTT	AN/GGA-1X
	AN/GGA-2
CATD & CW	AN/GGA-3
CATD & CW	AN/GGA-4
	AN/GGA-6
	AN/GGA-7
	AN/GGA-8
	AN/GGA-9
	AN/SGA-1
	AN/SGA-2
	AN/SGA-4
CTT	OA-151/FGC-5

Table 5-43. TTY MESSAGE PROJECTOR.

Commercial Designation	JAN Designation
	PH-613()/TG

Table 5-44. TTY MESSAGE TIME XMTR.

Commercial Designation	JAN Designation
CTT-Special	TT-79/GGC

Table 5-45. TTY TAPE READER.

Commercial Designation	JAN Designation
CCTB-59625A CTT & CCXK	TT-239/FG TT-268/UG

Table 5-46. TYPG UNIT.

Commercial Designation	JAN Designation
CTT-LP1/291 CTT-LP3 CTT-LP14RN/AY, LP6RN/AY157 CTT-M28, Mark I CTT-M15, BP93/221 CTT-M15, BP90/186	MX-1115/UG MX-1115A/UG MX-1115B/UG MX-1422/UG TT-22/FG TT-78/UG

Table 5-47. TPR ELECTROGRAPHIC.

Commercial Designation	JAN Designation
CCXM-DAG 1002	AN/AGC-3 TT-301/GMH-2

Table 5-48. REPEATER.

Commercial Designation	JAN Designation
CBMY CBVV CBHT-407, 140 CW-PR 45-1297 CW-X61284-A CW-10E1 CW-16B-1 (One-Line) CW-16B-1 (Two Line) CAIT-X-61789E-1 or equal	AN/FGC-7 AN/FGC-7A AN/FGC-7B OA-3/FC OA-6/FC TH-7/FG TH-8/FG TH-9/FG TH-11/FGC TH-12()/TC TH-18()/FG TH-29/UG TH-30()/FG TH-31/U
CBVV-TR2	
CCRC-B38	

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Table 5-48. REPEATER. (Cont'd)

Commercial Designation	JAN Designation
CBVV-RTR 5-8	TH-35/FGC
CBVV	TH-42/UG
CW-128C2	TT-19/FG
CW-128B2	TT-20/FG
CBMY	TT-63/FGC
CBVV	TT-63A/FGC
CBHT	TT-63B/FGC

Table 5-49. CONVERTER.

Commercial Designation	JAN Designation
CBTA	AN/UGA-3(XN-1)
CRV	AN/URA-6
CRV	AN/URA-7
CKB	AN/URA-8
CKB	AN/URA-17
CRV-Navy Spec. CS-730	CV-57/URR
CRV-Spec. CS-723	CV-60/URR
	CV-62()/U
CRV-A889192-502	CV-71/URR
CTT-EMSMCC200BM	CV-81/FGC-5
CTT-EMMSCC200BM	CV-94/FGC-5
CYV-FXC1	CV-97/UX
CACA-RGD1	CV-172/U
CACA-RGD2 and 45C-00.00-00	CV-172A/U
CAHC-WE-D-2700	CV-182/G
CHL-114X1340	CV-182A/GRC-26A
CHL-114-901802	CV-182B/GRC-26A
CATT-X-61789-E1	CV-205/FGC-1
CNR	CV-223/URR
CRV-8897358-505	CV-227/URR
CNR-Type 190, Model 1 & CAOR-Part No. HB-4859	CV-243/FCC-3
CQD	CV-243A/FCC-3
CMK-2056.171-1	CV-243B/FCC-3
CNR-HB-4861 & CAOR	CV-244/FCC-3
CQD	CV-244A/FCC-3
CMK-2056.118-1	CV-244B/FCC-3
CWS	CV-278/GR
	CV-291()/GXC-3
	CV-292()/GXC-3
CJB	CV-305/U
CRV	CV-357/A
CNR	CV-384/U
CCXO	CV-395/U
	CV-398()/UG
CTT-TMCR-201 & TMCR-202	CV-407/UGC-1

Table 5-49. CDVERTER. (Cont'd)

Commercial Designation	JAN Designation
CTT-TMCX-201 & TMCX-202	CV-408/UGC-1
	CV-432()/UGC
CBED	CV-435()/FGC-44
CBED	CV-436()/FGC-44
CBED	CV-437()/FGC-44
CBED	CV-438()/FGC-44
CBED	CV-439()/FGC-44
CCQF	CV-483()/URA-17
	CV-584/FG
	CV-587/GX
	CV-588/GX
	CV-663/A
	CV-717/U
	CV-763/URR
CCLX-Model CFA-1	CV-786/TRC-75
COL-Part/Dwg. 522-9878-00, Model 700B1	CV-865/URC
COL-Part/Dwg. 591-5624-004	CV-972(P)/UGC
CCVR-Model 102A	CV-1052()/GGA
CAXY-3766	CV-1053/ARC
CTT	TT-44/FG

Table 5-50. CONTROL/SWITCHING APPARATUS.

Commercial Designation	JAN Designation
CTT-EMXRU200BM	C-492/SG
CTT-EMRRU200BM	C-620/FGC-5
CBED-Part No. X-239	C-621/FGC-5
CBTX	C-764/UXC-2
CCTD	C-1004/SG
	C-1004A/SG
	C-1004B/SG
CCTB	C-1295/AGC-1
CBTB-Type 181, Model 1	C-1671(XN-1)/UGC
	C-1853()/UG
CBED	C-1913()/FGC-44
	C-2192/UG
	C-2215/FGT-3
CW-Part/Dwg. GS-18088	C-2216/FGT-3
CW-Part/Dwg. GS-18160	C-2217/FGT-3
CW-Part/Dwg. GS-18093, Bell Tel. Spec. GI-18093	C-2228/FGT-3
CW-Spec. GI-18086	C-2228A/FGT-3
CW-Part/Spec. GS-18086, L2	C-2272/FG
	C-2273/FGA-2
	C-2842/UG
	C-3007/UG
CTT-RLCU200BR	C-3138/UGC-10

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Table 5-51. COMPARATOR.

Commercial Designation	JAN Designation
CRV-Navy Spec. CS-723, & CS-730 CNA-Part BM: 625, Dwg, P572 CKB-Mil. Spec. MIL-C-15454 CRV-Part/Dwg. A8897358-506-Sub-15 CCVR-Model 110B	CM-14/UR CM-32A/FRR-24 CM-22A/URA-8A CM-42()/URR CM-185/UGC

Table 5-52. KEYING DEVICE.

Commercial Designation	JAN Designation
CBHT-180-100 CBVD CBXJ CACA-CK-1 and 05-00-00-00 CACA-CFD-1 and 05-00-00-00 CBEQ CACA-CFD-2 CNR COL CCVR-Model 101A	KY-43/URT KY-43A/URT KY-43B/URT KY-44/FX KY-44A/FX KY-44B/FX KY-44C/FX KY-79/UR KY-241/UR KY-346(P)/UGC

Table 5-53. MISCELLANEOUS APPARATUS.

Commercial Designation	JAN Designation
CACA	MD-168/UX MX-2006/U O-5C/FR
CCBF CCTB	RO-98A/U SA-419/FG SA-655()/UG SA-734/UG
CCTB- or equal	TT-73/UG TT-75/TG TT-206/U