

SUMMARY OF EXISTING DATA EQUIPMENT

Data Set Code	Speed	Transmission Mode	Availability*		Use	Remarks	Line Bandwidth Required	Equipment Arrangements				Interface Circuitry		References			
			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	E.S.P.
101A Trans. Rcvr.	Capable up to about 150 B/Sec.- (45 B/Sec. with initial TWX)	FM; Serial	-	+	3-row TWX	-	#Narrow	Yes	Yes	Yes	Yes	Integrated (with 28 machine separate with 15 and 19 machine)	Yes		71025	6755 6696	591-012-100 591-012-200 591-012-300 103-731-100 103-531-500
101B Trans. Rcvr.	"	"	-	+	"	More easily convertible to 101C than is 101A	"	"	"	"	"	"	"		30006	6799 6952	591-012-100 591-012-200
101C Trans. Rcvr.	Capable up to 150 B/Sec.	"	-	Now	4-row TWX	Supplied by updating 101B or utilizing salvaged 101A components in skeleton 101C (101C L4)	"	"	"	"	"	"	"		30007	7060	591-013-100 591-013-200 591-013-300
101E Rcvr.	"	"	-	"	Rec. only TWX Ext.	Modified 101A	"	"	"	"	"	"	"		3016		591-021-100, 200, 300, 500
102A Trans. Rcvr.	Up to 25 B/Sec.	"	-	MD	Low speed serial data; e.g., Friden "Teledata"	Supplanted by 103A	Voice	"	Yes	"	"	Separate	"			6670	
103A1 Trans. Rcvr.	** Up to 300 B/Sec.	"	-	Now	% Customer-provided Terminal equipment on TWX	Inverted frequency assignments	**Voice or TWX	"	No	"	"	Separate 804B1	No	Yes (EIA Bipolar)	1D034	7189	591-014-100 591-014-200 591-014-300 591-014-500
103A2 Trans. Rcvr.	"	"	-	"	% DATA-PHONE Service	Upright frequency assignments	Voice	"	"	"	"	"	"			7397	"
103B Trans. Rcvr.	"	"	-	A&M only	Private line version of 103A	-	"	"	"	"	"	None	Yes	Yes (Unipolar Negative & Bipolar)	1D045		591-015-100 591-015-200 591-015-300 591-015-500
103E Trans. Rcvr.	Up to 300 Bauds	"	-	-	DATA-PHONE Service TWX (MG7)	-	"	"	No	"	"	Electronics Pkg. Only	No	Yes (EIA Bipolar)	1D147	155	591-025-100 591-025-101 591-025-201 591-025-301 591-025-501
103F2 Trans. Rcvr.	Indefinite upper limit - about 300 B/Sec.	"	-	Now	PL version of 103A	-	"	"	"	"	"	None	Yes		1D045	7343	591-019-100 591-019-200 591-019-300 591-019-400 591-019-500
103G Trans. Rcvr.	Up to 300 Bauds	"	Now	-	DATA-PHONE Service	Integrated Housing	Voice	"	"	"	"	Integrated	"	Yes (EIA Bipolar)	1D096	155	591-026-100 591-026-200 591-026-300 591-026-500
103H Trans. Rcvr.	"	"	"	"	"	Integrated into Terminal	"	"	"	"	"	No	"		1D121	155	591-027-100 591-027-200 591-027-300 591-027-500
105A Trans. Rcvr.	Capable up to 150 B/Sec.	"	-	A&M only	4-row TWX	-	#Narrow	"	"	"	"	"	Yes		30008	7060	591-018-100 591-018-200 591-018-300

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Designation as narrow band refers to a set that uses only a portion of the voice band and may share the voice band with other similar sets by means such as the B-1 type data terminals.

** When used on TWX facilities, the transmission rate is limited to 150 B/Sec.

+ No longer in manufacture but available in "C" stock.

See PEL 7397 for more complete description of use.

Data Set Code	Speed	Transmission Mode	Availability*		Use	Remarks	Line Bandwidth Required	Equipment Arrangements					Interface Circuitry		References		
			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	FZL or EL	B.S.P.
● 108A1 Trans. Revr.	Up to 150 Bauds	FM; Serial	Now	Now	PL, TTY & CPT Works on 2-Point Loops with 108B at Hub office or 108C at another station	Requires DAS 820D or E	Voice	Yes	Yes	Yes	-	No	Provided by DAS 820D or 820E or appropriate BS Controller	3D024	58	591-023-100 591-023-101 591-023-103 591-023-200 591-023-201 591-023-203 591-023-300 591-023-301 591-023-501 591-023-503	
108B1 Trans. Revr.	"	"	-	"	Installed at Hub office used on loop with 108A	Requires DAS 811C at Hub office	"	"	"	-	-	"	Provided by DAS 811C	70942	58	312-800-100 312-800-300 312-800-500	
108C1 Trans. Revr.	"	"	-	"	PL, TTY & CPT used for station-to-station loops with 108A	Requires DAS 820D or E	"	"	"	Yes	-	"	Provided by DAS 820D or 820E or appropriate BS Controller	3D024	58	591-023-100 591-023-101 591-023-103 591-023-200 591-023-201 591-023-203 591-023-300 591-023-301 591-023-501 591-023-503	
● 108DL1 Trans. Revr.	"	"	4Q69	"	"	Requires DAS 820D or E or Type - 3 low Voltage Hub	"	"	"	"	-	"	"				
109A1 Trans. Revr.	150 B/Sec.	3A Polar DC; Serial	-	"	PL, TTY & CPT works on 2-point loops with another 109A at station or a 109B at Hub office	HDX only requires DAS 820D or E. Has lightning protection	DC	"	No	"	No	"	Provided by DAS 820D or 820E or appropriate BS Controller	3D025	58	591-024-100 591-024-101 591-024-102 591-024-103 591-024-201 591-024-202 591-024-203	
109A2 Trans. Revr.	"	"	-	"	"	HDX only requires DAS 820D or E has no lightning protection	"	"	"	"	"	"	"	3D025	58	591-024-100 591-024-101 591-024-102 591-024-103 591-024-201 591-024-202 591-024-203	
109B1 Trans. Revr.	"	"	-	"	PL, installed at Hub office. Used on loop with 109A	HDX only requires DAS 811C at Hub office has lightning protection	"	"	"	-	-	"	Provided by DAS 811C	70944	58	312-802-100 312-802-300 312-802-500	
109B2 Trans. Revr.	"	"	-	"	"	Same as 109B1 except 109B2 has no lightning protection	"	"	"	-	-	"	"	70944	58	312-802-100 312-802-300 312-802-500	
● 109CL1 Trans. Revr.	Up to 150 Bauds	3A Polar DC; Serial	-	4Q69	In PL, Telegraph Systems	HDX only requires Special TTY	"	"	No	Yes	No	No	Yes	No			
● 109DL1 Trans. Revr.	"	"	-	4Q69	"	Limited distance serv. incl. DATREX and PL	"	"	"	"	"	"	Same as 108A1				
112A Trans. Revr.	Up to 300 B/Sec.	FM; Serial Originate only	-	"	DATA-PHONE	Acoustically coupled HDX/FDX	Voice	-	-	Yes	No	"	No	Yes	1D168	269	591-032-100 591-032-200 591-032-300 591-032-500
113A Trans. Revr.	"	"	-	Now	"	Time-sharing type applications FDX	"	Yes	No	"	"	-	"	"	1D167	244	591-033-100 591-033-150 591-033-200 591-033-300 591-033-500

Designation as narrow band refers to a set that uses only a portion of the voice band and may share the voice band with other similar sets by means such as the B-1 type data terminals.

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Data Set Code	Speed	Transmission Mode	Availability*		Use	Remarks	Line Bandwidth Required	Equipment Arrangements					Interface Circuitry		References		
			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	ED	PLS or EL	B.S.P.
● X114A Trans.	-	-	Now	-	X-mits steady or interrupted 1900Hz tone depending upon monitored contact status	To be installed on 2-pty. line or data only line	Voice	Yes	No	No	Yes	No	Yes	No	1E141-01	-	591-030-100
201A Trans. Rcvr.	2000 B/Sec.	PM; Serial	-	Now	DATA-PHONE Service	Fixed bit rate, clocked internally or by associated bus. machine	"	"	Yes	Yes	"	Uses 804A	Optional		1D070	7405	592-011-101 592-011-201 592-011-301 592-011-501
201B1, B2 Trans. Rcvr.	2400 B/Sec.	"	-	MD	PL	Fixed bit rate, clocked internally or by associated bus. machine	"	"	"	"	"	Separate	Yes		1D015	-	592-012-1C2 592-012-2C2 592-012-3C2 592-012-5C2
201B3, B4 Trans. Rcvr.	"	"	-	Now	"	"	"	"	"	"	"	Uses 804A	Optional		1D070		592-011-101 592-011-201 592-011-301 592-011-501
202A Trans. Rcvr.	Up to 1800 B/Sec.	FM; Serial	-	MD	DATASPEED; or customer-provided terminal equipment	2-wire operation only	"	"	No	"	"	Integrated	Yes		1D003-01	6360	592-013-100 592-013-200 592-013-300 592-013-400 592-013-500
202B Trans. Rcvr.	"	"	-	"	"	2-wire or 4-wire operation	"	"	Yes	"	"	Separate (If req'd)	Yes		1D019-01	6860	592-014-100 592-014-200 592-014-300 592-014-400 592-014-500
202C Trans. Rcvr.	Up to 1800 B/Sec. in PLS; up to 1200 B/Sec. in DATA-PHONE Svc.	"	-	Now	Medium speed serial data	Supersedes Data Set 202A optional reverse chan., compatibility W/ACU's, RS-232A Interface	"	"	Yes	"	"	Integrated	Yes		1D048-01	7287	592-015-100 592-015-200 592-015-300 592-015-400 592-015-500
202D Trans. Rcvr.	"	"	-	"	"	Supersedes Data Set 202B optional reverse chan., compatibility W/ACU's, RS-232A interface	"	"	Yes	"	"	Uses 804A	Yes		1D049-01	7287	592-016-100 592-016-200 592-016-300 592-016-400 592-016-500
202E1 Trans.	Up to 1200 B/Sec.	"	-	"	"	"	"	"	No	"	No	Integrated	Spec. Opt.	Yes	1D078-01		592-018-100 592-018-150 592-018-200 592-018-300 592-018-500
202E2 Trans.	"	"	-	"	"	Has reverse channel	"	"	"	"	"	"	Yes		1D078-01		592-018-100 592-018-150 592-018-200 592-018-300 592-018-500
202E7 Trans.	"	"	-	"	"	"	"	"	"	"	Yes	"	"		1D078-01		592-018-100 592-018-150 592-018-200 592-018-300 592-018-500
202E8 Trans.	"	"	-	MD	"	Replaced by standard 202E9	"	"	"	"	"	"	"		1D078-01		592-018-100 592-018-150 592-018-200 592-018-300 592-018-500

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	E.S.P.
202B Trans.	Up to 1200 B/Sec.	FM; Serial		Now	Medium speed serial	Has reverse channel	Voice	Yes	No	Yes	Yes	Integrated	Yes	1D078-01		592-018-100 592-018-150 592-018-200 592-018-300 592-018-500	
X202F Trans.	Up to 600 B/Sec.	"	-	"	"	Has a one-number dialer coupled to it	"	"	"	No	"	Separate	Yes	Optional		Tral Instruction No. 273	
202G2 Trans. (List 1)	"	"	-	Now	"	Acoustically coupled with reverse channel	"	"	"	Yes	No	No	Yes			Tral Instruction No. 271	
203A Trans. Revr. (Lists 2, 3, 4, 5 & 6)	L2 - 2400, 4800 & 7200 BPS L3 - 1800, 3600 & 5400 BPS L4 - 2400, 4800 & 7200 BPS L5 - 3200, 6400 & 9600 BPS L6 - 3600, 7200 & 10,800 BPS	Multi-Level AM VSB	-	Now	High Speed serial	L3 & 4 - 2 or 4-wire operation L2, 5 & 6 - 4-wire operation only. 150 BPS secondary channel can be used as a simultaneous channel with L3 & 4 only.	L3 & 4 on DDD at 1800 & 3600 BPS and 2400 & 4800 respectively. All other speeds, including those above on C2 conditional private Lines	Yes	Yes	Yes	Yes	No	No	Yes (RS232B)	286	1D151-01 1D152-01 1D153-01 1D154-01	592-019-100 592-019-150 592-019-180 592-019-200 592-019-300 592-019-500
203B Trans. (Lists 2, 3, 4, 5 & 6).	Same as above	"	-	"	"	Same as above except 150 BPS secondary channel is always provided	"	"	"	"	"	"	"	"	"	"	
203C Revr. (Lists 2, 3, 4, 5 & 6)	"	"	-	"	"	"	"	"	"	"	"	"	"	"	"	"	
205A Trans. Revr.	1200 or 2400 B/Sec.	PM; Serial	-	MD	Military-S.W. sys. 307	Replaced by 205C2	Voice	"	Yes	"	"	S.W. sys. 307	"	1D054		592-017-100 592-017-150 592-017-200 592-017-300	
205B1 Trans. Revr.	600, 1200, or 2400 B/Sec.	"	-	"	Military-P.L. only no voice	Replaced by 205B2	"	No	"	"	"	No	Yes Mil. 186B	1D085	7502	592-017-101 592-017-151 592-017-201 592-017-301 592-017-501	
205B2 Trans. Revr.	"	"	-	Now	Military-4-wire switched avc. or PL	Replaces 205B1 compatible W/ACU 801C4	"	"	"	Yes	Yes	804M	"	1D085	33	592-017-101 592-017-151 592-017-201 592-017-301 592-017-501	
205C2 Trans. Revr.	1200 or 2400 B/Sec.	"	-	"	Military S.W. sys. 307	Replaces 205A	"	Yes	"	"	No	S.W. sys. 307	"	1D087	7559	592-017-102 592-017-202 592-017-302 592-017-502	
207B, C Trans. Revr.	150, 300, 600, 1200, 2400 B/Sec.	"	-	Limited Quantities now	Military S.S. 309	Military crypto service	"	No	"	"	"	S.S. 309	"	1D108	77	592-020-100 592-020-150 592-020-200 592-020-300	
301B Trans. Revr.	40.8 Kilo B/Sec.	"	-	Now	High-speed tape-to-tape systems	Fixed bit rate, internal or external clock. When used with DAS 806B3, provides interface similar to that of Data Set 303 type.	Group bus	"	"	"	"	Separate	"	1D033	7120 7322	593-011-100 593-011-200 593-011-300 593-011-500	
303B(**) Trans. Revr.	Minimum sig. element width 92 micro-seconds nonsynch for 2-level fax signals	Vestigial sideband	-	"	Serial non-synchronous machines such as facsimile equipment	Requires Data Aux. Set 809B1 (VSB Mod-Demand) Also requires Data Aux. Set 806B7, 804M and Data Set 4041 when used with certain FAX equipment, uses KS20018L() cabinet	Half group	"	"	Yes	"	Uses 80-A	"	1D010 1E060 1D099 1D041	7516 E241	593-000-100 593-000-200 593-000-300 593-000-500	

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** Available in synch and nonsynch with various features. See PEL 7516 for codes, special synch speeds of 200 MB/s (203B), 40.8 (303B), and 10.75 MB/s (303B) which are also available.

‡ Interface is on a current basis because of the low impedance used.

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	B.S.P.
303B()** Trans. Rcvr.	19.2 kilobits per sec. synch	Vestigial sideband	-	Now	Serial synchronous machines such as MAG tape equipment	Same as nonsynch above	Half group band	Yes	Yes	Yes	Uses 804A	✕	1D0100 1D060	7516 E241	593-800-100 593-800-200 593-800-300 593-800-500		
303C()** Trans. Rcvr.	Minimum sig. element width 20 micro-seconds nonsynch for 2-level fax signals	Restored polar	-	"	Same as nonsynch above	Requires Data Aux. Sets 806B7 and 804A type and Data Set 404B1 when used with certain FAX equipment. DATA-PHONE 50 station may use DS 103F2 for FAX uses KS20018L() cabinet.	Group band	"	"	"	"	✕	1D0100 1D060	7516 E241	593-800-100 593-800-200 593-800-300 593-800-500		
303C()** Trans. Rcvr.	50 kilobits per sec. synch	Restored polar	-	"	Serial synchronous machines such as MAG tape equipment	Requires Data Aux. Sets 806B7 and 804A type. Synchronous version can operate synchronously or nonsynchronously uses KS20018L() cabinet	Group band	"	"	"	"	✕	1D0100 1D060	7516 E241	593-800-100 593-800-200 593-800-300 593-800-500		
303D()** Trans. Rcvr.	Minimum sig. element width 4.2 micro seconds nonsynch for 2-level fax signals	"	-	"	Serial nonsynchronous machines such as facsimile equipment	Same as nonsynch 303C	Super group band	"	"	"	"	✕	1D0100 1D060	7516 E241	593-800-100 593-800-200 593-800-300 593-800-500		
303D()** Trans. Rcvr.	230.4 kilobits per sec. synch	"	-	"	Same as synch 303C above	Same as synch 303C	"	"	"	"	"	✕	1D0100 1D060	7516 E241	593-800-100 593-800-200 593-800-300 593-800-500		
401B Rcvr.	Up to 20 characters /Sec.	2/8 parallel	-	Manufacture discontinued	Trans. of numer. data, e.g., IBM 1001, Raytheon "Dataray" sys.	Answer-back	Voice	Yes	No	"	Separate	Yes	No	1D002	6794	594-011-100 594-011-200 594-011-300 594-011-500	
401C Trans.	"	3/12 parallel	-	None plnd.	Transmission of alpha-numeric data	Electrical answer-back	"	"	"	No	"	"	"	1D004		Trial instruction No. 163	
401D Rcvr.	"	"	-	"	"	Supplanted by 401J	"	"	"	Yes	"	"	"	1D002		594-011-100 594-011-200 594-011-300 594-011-500	
401F Rcvr.	Up to 20 characters /Sec.	3/14 parallel	-	Manufacture discontinued	Transmission of alpha-numeric data	Answer-back; remote testing - replaced by 401J	Voice	Yes	No	Yes	Separate (513B-61)	Yes	No	1D018	7022	594-015-100 594-015-200 594-015-300 594-015-500	
401G Trans.	"	"	Now	"	Transmission of numeric data	Electrical answer-back	"	"	"	No	Integrated	"	"			Trial instruction No. 291	
401H Trans.	"	"	-	"	Transmission of telemetry type data	Auto. answer	"	"	"	No	Separate	"	"	1D138	7396	594-022-100 594-022-200 594-022-300 594-022-500	

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PFL or EL	E.S.P.	
401H2 Trans.	Up to 20 characters /sec.	3/14 parallel	-	-	Manufacture discontinued	Transmission of telemetry type data	Auto. answer	Voice	Yes	No	No	Yes	Separate	Yes	No	1D028	7396	594-022-100 594-022-200 594-022-300 594-022-500
● 401H3 Trans.	"	"	-	-	"	"	"	"	"	"	"	"	"	"	"	1D028	7396	594-022-100 594-022-200 594-022-300 594-022-500
● 401H4 Trans.	"	"	-	-	Now	"	Selective ringing; modular family; will replace 401H3	"	"	"	"	"	"	"	"	1D028	219 7396	594-022-100 594-022-200 594-022-300 594-022-500
● 401H5 Trans.	"	"	-	-	"	"	3 contact electrical answer-back plus 401H4 functions	"	"	"	"	"	"	"	"	1D028	219 7396	594-022-100 594-022-200 594-022-300 594-022-500
401J1 Rcvr.	"	"	-	-	Manufacture discontinued	Reception of alphanumeric data	answer-back ring indicator, compatibility w/ ACU, more comprehensive remote test, integrated, 600 ohm or 900 ohm term.	"	"	"	Yes	"	Integrated	"	"	1D022	7340	594-018-100 594-018-200 594-018-300 594-018-500
401J2 Rcvr.	"	"	-	-	Now	"	"	"	"	"	"	"	"	"	"	1D064	7383	594-018-100 594-018-200 594-018-300 594-018-500
401J3 Rcvr.	"	"	-	-	"	Reception of numeric data	Voice answer-back	"	"	"	"	"	"	"	"	1D064	7383	594-018-100 594-018-200 594-018-300 594-018-500
401J4 Rcvr.	"	"	-	-	"	"	Identical to 401J2 except has TOUCH-TONE dial	"	"	"	"	"	"	"	"	1D064		594-018-100 594-018-200 594-018-300 594-018-500
401J5 Rcvr.	"	"	-	-	"	"	Identical to 401J3 except has TOUCH-TONE dial	"	"	"	"	"	"	"	"	1D064		594-018-100 594-018-200 594-018-300 594-018-500
● 401L1 Trans.	"	"	-	-	"	Alarm Reporting	Uses built-in one No. dialer	"	"	"	No	"	"	"	"	1D089	241	594-027-100 594-027-200 594-027-300 594-027-500
● 401L2 Trans.	Up to 20 characters /sec.	"	-	-	"	"	3 contact electrical answer-back in addition to 401L1 functions	"	"	"	"	"	Separate	"	"	1D089	241	594-027-100 594-027-200 594-027-300 594-027-500
● 401M-Type Trans. Basic List Numbers			-	-												1D194		
● L1			-	-			L1-Basic Data Set includes housing, tel. set with rotary dial, line cord, and A&B group oscillator											
● L1A			-	-			L1A - Same as L1 except has TOUCH-TONE dial											
● L2			-	-			L2 - Adds C group oscillator										1D060-01 J207	
● L3			-	-			L3 - Voice answerback											
● L4			-	-			L4 - Tone answerback											

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Authorized Codes ● LI/3	Orderable Codes Up to 20 characters /sec.	2/8 parallel	-	1Q70	Transmission of numeric data	-	Voice	Yes	No	Yes	No	Integrated	Yes	No	1E194, 1D660-01 J202			
● LIA/3	"	"	-	"	"	TOUCH-TONE version of LI/3	"	"	"	"	"	"	"	"	"			
● LI/4	"	"	-	"	"	Same as LI/3 except has Tone Answerback. Replaces 401A1	-	-	-	-	-	-	-	-	-			
● LIA/4	"	"	-	"	"	Same as LI/4 except has TOUCH-TONE dial	-	-	-	-	-	-	-	-	-			
● LI/2/3	up to 20 characters /sec.	3/14 parallel	-	1Q70	Transmission of alpha-numeric data	Replaces 401E3	Voice	Yes	No	Yes	No	Integrated	Yes	No	"			
● LIA/2/3	"	"	-	"	"	TOUCH-TONE version of LI/2/3 Replaces 401E5	"	"	"	"	"	"	"	"	"			
● LI/2/4	"	"	"	"	"	Tone A/B Replaces 401E2	"	"	"	"	"	"	"	"	"			
● LIA/2/4	"	"	"	"	"	Same as LI/2/4 except has TOUCH-TONE dial Replaces 401E4	"	"	"	"	"	"	"	"	"			
402A Trans.	Up to 75 characters /sec.	FSK; 8-channel parallel	-	Now	Medium speed parallel data transmission	-	"	"	"	"	Yes	"	"	"	1D005- Iss. 9	6990	594-016-100 594-016-200 594-016-300 594-016-500	
402B Rcvr.	"	"	-	Manufacture discontinued	"	Replaced by 402D	"	"	"	"	"	Separate	"	"	1D006- Iss. 12	6990	594-017-100 594-017-200 594-017-300 594-017-500	
402C Trans.	"	FSK; parallel	-	Now	Medium speed parallel data	Same as 402A W/unatt. ans., remote test, compatibility W/ACU's	"	"	"	"	"	Integrated	"	"	1D039	7238	594-019-100 594-019-200 594-019-300 594-019-500	
402D Rcvr.	"	"	-	"	"	Supersedes 402B. Contains unatt. ans., remote test, compatibility W/ACU's	"	"	"	"	"	Uses 804A	"	"	1D040	7288	594-020-100 594-020-200 594-020-300 594-020-400 594-020-500	
403A1 Rcvr.	Up to 10 characters /sec.	2/8 parallel	-	Manufacture discontinued	Reception of numeric data (T.T. Signals)	Voice answer-back, ring indicator or out of service lead, talk-off protection, use with T.T. input, two receivers per cabinet	"	"	"	"	"	Separate	"	No	1D072	7497	594-023-100 594-023-200 594-023-300 594-023-500	
403A2 Rcvr.	"	"	"	"	"	Same as above except one receiver per cabinet, use with DAS 804C1	"	"	"	"	"	"	"	"	1D072	7497	594-023-100 594-023-200 594-023-300 594-023-500	
403A3 Rcvr.	"	"	"	Manufacture discontinued	"	Same as above except two receivers per cabinet, use with DAS 804C2	"	"	"	"	"	"	"	"	1D072	7497	594-023-100 594-023-200 594-023-300 594-023-500	
403D3 Rcvr.	"	"	-	Now	Reception of numeric data	Tone or voice answer-back, replacement for 403A type, use in KS20093 cabinet	"	"	"	No	"	"	"	"	1D094	51	594-025-100 594-025-111 594-025-101 594-025-201 594-025-301 594-025-501	

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Data Set Code	Speed	Transmission Mode	Availability*		Use	Remarks	Line Bandwidth Required	Equipment Arrangements					Interface Circuitry		References			
			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	B.S.P.	
403D4 Revr.	Up to 10 characters /Sec.	2/8 parallel	-	Now	Reception of numeric data	For use in single receiver cabinet, becomes 403E2	Voice	Yes	No	Yes	Yes	Unat-tended	Separate	Yes	No	1D094	51	594-025-100 590-100-111 594-025-101 594-025-201 594-025-301 594-025-501
403D5 Revr.	"	"	-	"	"	Same as 403D3 binary coded matrix output	"	"	"	No	"	"	"	No	Yes	1D094	-	594-025-100 590-100-111 594-025-101 594-025-201 594-025-301 594-025-501
403D6 Revr.	"	"	-	"	"	For use in single receiver cabinet, becomes 403E3, BCM output	"	"	"	Yes	"	"	"	"	"	1D094	-	594-025-100 590-100-111 594-025-101 594-025-201 594-025-301 594-025-501
403D7 Revr.	"	"	-	"	"	ASCII output for teletypewriter station, for use in KS20093 cabinet	"	"	"	No	"	"	"	"	"	1D094	194	594-025-100 590-100-111 594-025-101 594-025-201 594-025-301 594-025-501
403D8 Revr.	"	"	-	"	"	For use in single receiver cabinet, becomes 403E4, ASCII output	"	"	"	Yes	"	"	"	"	"	1D094	194	594-025-100 590-100-111 594-025-101 594-025-201 594-025-301 594-025-501
403E2 Revr.	"	"	-	"	"	Single receiver installation, use with 804G Data Aux. Set, replacement of 403A	"	"	"	"	"	"	"	Yes	No	1D094	51	590-100-110 594-026-100 594-026-200 594-026-300 594-026-500
403E3 Revr.	"	"	-	"	Reception of numeric data	Single receiver installation, use with 804G Data Aux. Set, replacement of 403A BCM output	"	"	"	"	"	"	"	No	Yes	1D094	51	590-100-110 594-026-100 594-026-200 594-026-300 594-026-500
403E4 Revr.	"	"	-	"	"	ASCII output for teletypewriter station	"	"	"	"	"	"	"	"	"	1D094	194	590-100-110 594-026-100 594-026-200 594-026-300 594-026-500
● X403F1 Trans.	"	TOUCH-TONE	Now	-	DATA-PHONE	Compatible with 403A, 403D, 403E receivers	"	"	"	"	No	Integrated	Yes	No	1D150	-	T. I. #310	

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	E.S.P.	
404B1 Trans. Rcvr.	Up to 20 characters /sec.	2/10 parallel			Limited quantities now	Used with 303 type wideband data station equip. in certain FAX applications		No	Yes	"	"	Separate	-	Yes	1D069 1D060	7516	594-024-100	
X406A Trans.	Parallel to 10 char/sec. Serial - to 150 B/sec.	Parallel or serial	Now	-		Residential meter reading - residential end		Yes	No	No	Yes	-	Yes	No	-	-	TI-314	
X406B Rcvr.	"	"	"	-		Residential meter reading - computer end		"	"	"	"	Integrated	No	Yes	-	-	TI-314	
● 60205 Trans. Rcvr.	Analog (up to 1000 Hz baseband bandwidth)	FM	-	Now		Facsimile		"	"	"	Yes	"	-	-	1D081	7520	596-016-100 596-016-200 596-016-300 596-016-500	
● 60206 Trans. Rcvr.	"	"	-	"		"		"	"	"	"	"	-	-	1D081	7520	596-016-100 596-016-200 596-016-300 596-016-500	
● 60207 Trans. Rcvr.	"	"	-	"		"		"	"	"	"	"	-	-	1D081		596-016-100 596-016-200 596-016-300 596-016-500	
● 60208 Trans. Rcvr.	"	"	-	"		"		"	"	"	"	"	-	-	1D081		596-016-100 596-016-200 596-016-300 596-016-500	
● 602D L1 & L1A Transceiver	Analog (up to 1000 Hz baseband bandwidth)	FM	-	Now		Facsimile		Voice	Yes	No	Yes	No	Yes	-	-	1D158-01	271	596-020-100 596-020-200 596-020-300 596-020-500 596-006-106 596-106-506 668-106-500
603A1, A2 Trans.	Analog (up to 105 Hz baseband)	"		"		Electro-cardiogram transmission		"	"	"	"	No	"			1D075	7474	596-012-100 596-012-200 596-012-300 596-012-500
● 603B3, B4 Rcvr.	"	"		"		"		"	"	"	"	Yes	"			1D071	7474	596-013-100 596-013-200 596-013-300 596-013-500
603D1 Trans. Portable	"	"		"		"		"	Uses Tel. Set	"	"	No	No - acoustically coupled			1D077	7474	596-014-100 596-014-200 596-014-300 596-014-500
● 60443 Trans.	3 ch. analog (up to 105 Hz baseband)	"		"		"		"	Yes	"	"	Yes	Integrated			1D105	188	596-017-100 596-017-200 596-017-300 596-017-500

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	FEL or EL	B.S.P.
604B3 Revr.	3 ch. analog (up to 105 Hz base-band)	FM		Now	Electro-cardiogram transmission	Has electrical and visual/audible reverse channel - interim model	Voice	Yes	No	Yes	Yes	Integrated			1D101	168	596-018-100 596-018-200 596-018-300 596-018-500
801A1-A6 Auto. Calling Set	-	Dial pulses	-	A1 thru A4 Mfg. Disc. A5 & A6 Now	Business - machine dialing	-	-	"	"	-	"	None	Yes	Yes	1D042 1D082	7265 7555	598-010-100 598-010-101 598-010-200 598-010-201 598-010-300 598-010-301 598-010-400 598-010-500 598-010-501
801C1-C4 Auto. Calling Set	-	TOUCH-TONE pulses	-	C1 & C2 Mfg. Disc. C3 & C4 Now	"	-	-	"	Yes	-	"	"	-	"	1D035 1D103	7438 7558 16	598-012-100 598-012-101 598-012-150 598-012-200 598-012-201 598-012-300 598-012-301 598-012-400 598-012-500 598-012-501
803A Data Aux. Set	-	-	-	"	Line and test key for wide-band data systems*	Permits test thru data set back to back also loops line	Wideband	-	"	Yes	-	-	-	-	1D036	7322	598-025-100
804A Data Aux. Set	-	-	-	"	Tel. & line cont. for Data Sets 202, 402 & 201A3 & 4 & 303A	-	Voice	Yes	"	"	Yes	Yes	-	-	1D041	7287 7288	598-030-100
804B Data Aux. Set	-	Dial pulses	-	Now	Telephone and control for Data Set 103A and 202B	-	"	"	No	"	"	"	-	-	1D051	7189	593-031-100
804C Data Aux. Set	-	"	-	A&M	Telephone and control for Data Set 403A	-	"	"	"	"	Yes	"	-	-	1D074		598-039-100 598-039-200 598-039-300 598-039-500
804G1 Data Aux. Set	-	"	-	Now	Telephone and control for Data Set 403E	-	"	"	"	"	"	"	-	-	1D102	51	598-048-100
804G2 Data Aux. Set	-	TOUCH-TONE dial	-	"	"	-	"	"	"	"	"	"	-	-	1D102	51	598-048-100
804K1 Data Aux. Set	-	Dial pulses	-	"	Telephone and control for Data Set 403D	Use with KS20093 cabinet	"	"	"	No	"	Yes	-	-	1D109	51	598-055-100
804K2 Data Aux. Set	-	TOUCH-TONE dial	-	"	"	"	"	"	"	"	"	"	-	-	1D109	51	598-055-100
804L1 Data Aux. Set	-	TOUCH-TONE	-	"	4-W switched or P.L. svc. 202D, 205B2, 301B2, 303-type	Milt. data set control use W/4A, 5A, 6A data mtg.	"	No	Yes	Yes	No	"	-	-	1D110	-	598-056-100 598-056-200 598-056-300 598-056-500
804L2 Data Aux. Set	-	Dial pulses	-	"	Tel. & line control Data Sets 205B2, 301B2, 303-type	4-wire only	"	"	"	"	Yes	"	-	-	1D111	31	598-057-100 598-057-200 598-057-300 598-057-500
804L2 Data Aux. Set	-	TOUCH-TONE	-	"	"	"	"	"	"	"	"	"	-	-	1D111	31	598-057-100 598-057-200 598-057-300 598-057-500

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Data Set Code	Speed	Transmission Mode	Availability*		Use	Remarks	Line Bandwidth Required	Equipment Arrangements					Interface Circuitry		References			
			Model Shop	Regular				2-Wire	4-Wire	At-tended	Inst-tended	Tel. Set	Contact Closure	Voltage	SD	FEL or EL	E.S.P.	
806A Data Aux. Set	-	DC or AC	-	Now	Remote testing of 4-wire private lines	DC 2800 or 2400 CPS operation		Yes	-	-	-	-	-	-	-	7793	598-036-100 598-036-200 598-036-300 598-036-400 598-036-500	
806B() Data Aux. Set	-	-	-	"	Used with 301-type wideband data sets	Contains jacks and provides remote tests for testing on wideband channel and associated voice freq. coord. channel.			"	-	-	-	-	-	-	1D097 1D098 1D060	598-042-100	
806B5 Data Aux. Set	-	-	-	"	Used with 301B-type wideband data sets	Same features as above. The DAS 806B5 interfaces directly with customer equipment and the new interface is the same as that provided in the Data Set 303-type.			"	-	-	-	-	-	-	1D097 1D098 1D099 1D126	EM437 593-011-100 593-011-200 593-011-300 593-011-500	
807A Data Aux. Set	-	-	Now	"	Used with 303A-type wideband data sets	This is a cabinet that can house 303A-type Data Sets and associated data aux. sets (incl. Data Set 401d). Has cables for interconnecting all units									ES-1D065-02	Trial Instruction No. 249		
809B1 Data Aux. Set	-	-	-	"	Used with 303B-type wideband data sets	Accepts restored polar output of 303B-type Data Sets and delivers vestigial sideband signal to wideband facilities	Half group	Yes								1D067 1D060	7516 598-034-100	
X810C Data Aux. Set	-	Serial	Now	-	Use with Data Set X203A1	Forward acting error control system	Voice											
811B Data Aux. Set	See 101A, B, C	-	Now	Now	CPT-TWX station arrangement	This enables customer provided terminal to be used on regular TWX network 3 or 4 row service			See 101A, B & C type sets			No	Yes	EIA	1D047	EL25 EM966	598-049-100 598-049-200 598-049-300 598-049-500	
811C Data Aux. Set	Up to 150 Baud	"	-	"	PL TLG at Hub office	Interface between 108B or 109B and Hub			-	-	-	-	Type 2	Yes	70963	58	J12-801-100	
811D1 Data Aux. Set	2400 BPS	FM; Serial	-	Now	With 205C2	Provides compatibility with 207	Voice	Yes	Yes	Yes	No	-	Yes	MIL-188B	1D146-01 81864-01 1D060-01	EM840	598-093-100 598-093-200 598-093-300 598-093-500	
811F1 Data Aux. Set	2400 BPS	FM; Serial	-	Now	With 207	Used on Aukovon Network	"	No	"	"	"	-	-	"	1D165-01		598-070-100 598-070-200 598-070-300 598-070-500	
816A Data Aux. Set	"	Used with 130 type sub. set	-	"	150 Baud channel single termination	This enables customer provided equipment to interface with 150 baud channels			Based on 130 set arrangement			No	Yes	EIA	1D023	EM042	598-041-100 598-041-200 598-041-300 598-041-500	
816B Data Aux. Set	"	"	-	"	Up to ten 150 baud channel terminations	"			"			"	"	"	1D023	EM042	598-041-100 598-041-200 598-041-300 598-041-500	
820D1 Data Aux. Set	"	Serial	-	"	Single termination. Used with Data Sets 108A, 108C and 109A	Provides power, monitoring, & interface control for plug-in Data Sets 108A, C & 109A			-	-	-	-	Current	Yes	EIA	1D031	58	598-056-100
820E1 Data Aux. Set	"	"	-	"	Multiple (3) termination. Used with Data Sets 108A, 108C and 109A	"			-	-	-	-	"	"	1D031	58	598-059-100	
820E2 Data Aux. Set	"	"	-	"	"	"			-	-	-	-	"	"				
ES22A1 Data Aux. Set	-	-	Now	-	Automatic equalizer for use with Data Set X203A1	Automatic equalizer to optimize transmission			-	-	-	-	-	-				

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	FEL OR XL	E.S.P.	
X323A1 Data Aux. Set	Up to 150 baud	FD; Serial	Now		Simultaneous reverse channel for use with Data Set X203A1													
824A Data Aux. Set	50 Kb/s	Serial		Now	Secure speech service	Connects 4-wire customer interface to 8-wire transmission facility								ID134-01	99	598-060-100		
824B Data Aux. Set	18.75 Kb/s	"		"	"	Provides contact closure when 18.75 Kb/s binary signal is present								ID134-01	99	598-060-101		

DATA TEST EQUIPMENT

901A Test Set				Mfg. Disc.	Interface adapter; provides access to interface	"MD" replaced by 901B								73002	6904	107-100-100		
901B Test Set				Now	"	Replaces 901A								73002	7057 7221	107-100-100 AA282.821		
902A Test Set				Mfg. Disc.	Distortion measuring and error checking	Replaced by 902B								73000	6777	107-300-100		
● 902B Test Set	50 Kb/s			Mfg. Disc.	"	Replaced by 902C								73000	7057	107-300-100 AA282.821		
902C Test Set				Now	"	Replaces 902A & B									62			
903A Test Set				Mfg. Disc.	63-bit serial word generator	Replaced by 903B								73001	6777	107-200-100		
903B Test Set	50 Kb/s			"	"	Replaced by 903C								73001	7057	107-200-100 AA282.822		
903C Test Set				Now	"	Replaces 903A & B									62			
904A Data Test Center	-			"	To perform loop-back tests	Cabinet mtd.								73013	7110 7362 63	AA282.827 668-100-100 668-100-500 205-105-501		
904B Data Test Center	-			"	To perform dynamic tests	"								73014	7110 7362 63	AA282.827 668-100-100 668-100-501 205-105-501		
904C Data Test Center	-			"	To perform loop-back tests	Rack mounted								73013	7110 7362 63	AA282.827 668-100-100 668-100-500 205-105-501		
904D Data Test Center	-			"	To perform dynamic tests	"								73014	7110 7362 63	AA282.827 668-100-100 668-100-501 205-105-501		
904E Data Test Center	-			"	To perform loop-back and dynamic tests	Intended for 4-wire switching system 307								73033	-	AA282.827 668-200-100 668-200-500		
905A Data Test Set	1050 B/sec.			"	For use in test centers to test DATASPEED tape senders and receivers	Mfrd. by Teletype Corp. (rack mtd.)									7084	107-201-100 314-825-502 F48.401 E34.401		

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	PEL or EL	B.S.P.
905B Data Test Set	1050 B/sec.			Now	Used in testing DATASPEED tape senders and receivers	Mfrd. by Teletype Corp. (portable)										70E4	104-201-100 314-825-502
905C Data Test Set	"			"	Used with 1A Data Selective Calling System	"											107-203-100
906A Test Eqt.	-			"	Data distortion measuring eqpt. for BI Data Trunking System	Part of 20A toll test board							73022				107-302-100 AA282.823
907A Test Set	-			"	For use in testing 4-row TTY service								71083	-			107-301-100 AA282.826
908A Test Set	-			"	Portable pulse indicator test set	Testing of BI Data Trunking System							73021	-			AA282.824
909A Test Oscillator-Circuit	-			"	Generates test signals	Part of 20A test board							73024				AA282.825 107-202-100 107-202-500
911A Data Test Set	Up to 150 Bauds	Serial	-	"	Portable PL TTY test sentence generator & distortion meas. set	Test all common teletypewriter codes and speeds						Yes	Yes	70937 70938			103-813-100 103-813-101
911B Test Sentence Generator	"	"	-	"	Portable test sentence generator for PL TTY	Generates all common TTY codes & speeds							"	"		PEM 9156	103-813-100 103-813-101
911C Distortion Measuring Set	"	"	-	"	Portable distortion measuring set for PL TTY	Measures all common TTY codes and speeds							-	-			103-813-100 103-813-101
911D Distortion Measuring Set	"	"	-	"	Distortion meas. set for Hub type service boards	"							-	-		PEM 9166	103-813-100 103-813-101
● 911E Distortion Measuring Set	-	"	-	"	Distortion meas. set at #1 ESS ADF	Automatically measures distortion on ADF lines								70950	-		AA282.830
● 911F Distortion Measuring Set	"	"	-	"	Distortion meas. set at #2, #9B & D.O.T.C. service boards	Measures all common TTY speeds and codes								70952	70		AA282.830
● 911G Test Sentence Generator	"	"	-	"	Test sentence generator at #2, #9B & D.O.T.C. service boards	Generates all common TTY speeds and codes								70953	70		AA282.830
● 911J Data Signal Distortion Set	"	"	-	"	Distortion introducing set used at #2, #9B D.O.T.C. service boards	Regenerates and pre-distorts all common TTY speeds and codes								70954	70		AA282.830
912A Wideband Data Test Set	Kb/s to 2 Mb/s			"	Testing wideband data systems	Word generator and evaluator								73047	7508		AA282.833 107-400-100

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			Model Shop	Regular				2-Wire	4-Wire	At-tended	Unat-tended	Tel. Set	Contact Closure	Voltage	SD	FZL CR EL
913A Data Test Set	75 Char./Sec			Now	Testing parallel data systems	Parallel adaptor for use with 902 and 903								70348	7549	AA282.834 107-401-100
● 914B Data Test Set	Up to 20 Kb/s	All		"	Portable voice-band combination send-receive test set									73056	278	107-101-100

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