

**DATA SET 203 TYPE**  
**TRANSMITTER/RECEIVER**  
**SUMMARIZING SPECIFICATION**  
**DATA SYSTEMS**

**1. GENERAL**

**SCOPE**

**1.01** This specification, together with the supplementary information listed herein, summarizes for ordering purposes the product design requirements for the framework, assembly, and circuit covering data set 203 type, primarily for use in DATA-PHONE® data service.

**1.02** This specification is reissued to update the data set codes and other information resulting from design changes.

**CAPACITY**

**1.03** Data set 203 type can be operated over the switched network and 2- or 4-wire private line facilities and has a speed capability, with various optional arrangements, ranging from 1800 to 10,800 BPS. A secondary channel, with a speed up to 150 BPS, is also available for operation with the main channel. Details of specific application are given in 4.

**DESCRIPTION**

**1.04** Data sets 203A, B, or C type can be ordered in a KS-20018, L3 cabinet, or without the cabinet, for mounting on 23-inch frames. The protrusion beyond the frame mounting surface can be selected as either 5.0 or 8.1 inches by using proper holes in the mounting brackets.

**1.05** The basic data set 203 type is an arrangement of the 22A, 23A, and 24A type data units which provide the transmitter, receiver, and common control functions, respectively, for the data set. The various options, such as speed and secondary channel, are provided by adding the proper plug-in circuit packs and networks into the data units.

**1.06** There are three types of data sets available: the 203A type is a transmitter/receiver; the 203B type is a transmitter only; and the 203C type is a receiver only. Each can be equipped with one of five speed options. The secondary channel can be provided on an optional basis for the 203A, but must always be provided with the 203B and C. Further details are given in the ordering information in 4.

**1.07** The weights of the data sets are as follows:

DATA SET	WEIGHT (LB)	
	IN KS-20018 L3 CABINET	WITHOUT CABINET
203A Type	110	90
203B Type	73	53
203C Type	89	69

**2. SUPPLEMENTARY INFORMATION**

- X-17453—Manufacturing Testing Requirements—24A1 Data Unit
- X-17495—Manufacturing Testing Requirements—Data Set 203 Type
- X-77360—Manufacturing Testing Requirements—Circuit Packs
- 590-100-115—22A1 Description
- 590-100-116—23A1 Description
- 590-100-117—24A1 Description
- 592-019-100—Data Set 203—Identification and Operation
- 592-019-200—Data Set 203—Installation Instructions
  
- 592-019-300—Data Set 203—Maintenance
- 592-019-500—Data Set 203—Testing

**3. DRAWINGS**

## SD-1D060-01—Printed Wiring Boards

J SHEET	AR NO.	J SHEET	AR NO.
523	321	583	386
524	322	584	387
525	323	604	411
526	324	696	502
527	325	697	503
637	473	695	501
529	327	544	342
530	328	545	343
537	335	546	344
538	336	547	345
539	337	548	346
540	338	549	347
541	339	550	348
542	340	551	349
543	341	605	412
552	350	693	496
688	474	694	497
554	352	710	582
555	353	711	583
556	354	716	603
560	359	717	604
561	360		

SD-1D151-01—Data Set 203 Type  
SD-1D152-01—22A Type Data Unit  
SD-1D153-01—23A Type Data Unit  
SD-1D154-01—24A Type Data Unit  
SD-1D230-01—38A Type Data Unit

**4. PRODUCT**

**4.01** The coding of data sets 203A, B, and C type identifies the basic, speed, and functional options as list numbers. Note that list 1 contains common apparatus, assembly, wiring, and hardware. Variations in the basic list 1 are identified by an additional letter such as L1C, L1D, L1E, etc. The speed and functional options are identified as separate list numbers as L2, L3, etc.

**4.02** The speed options listed are intended for specific applications. These are summarized in Table A. The speeds shown within each of the L2 through L6 options can be selected with a selector switch at the time of installation. The speeds are marked on the panel. The top position selects a speed equal to the baud rate, the second

position selects a speed equal to two times the baud rate, and the third position selects a speed equal to three times the baud rate. The fourth position, labeled CC, allows the customer to control the speed selection between the two higher speeds through a control lead in the interface.

**Data Set 203A Type Transmitter/Receiver**

**List 1C**—Common apparatus, assembly, wiring, and hardware for one data set 203A type transmitter/receiver with provision for speed and functional options, in a KS-20018, L3 cabinet which is 2 feet wide, 2 feet high, and 1 foot deep.

**List 1D**—Common apparatus, assembly, wiring, and hardware for one data set 203A type transmitter/receiver with provision for speed and functional options for mounting on a 23-inch frame using 20 inches of mounting height.

**List 2**—Four-wire private line operation at a bit rate of 2.4, 4.8, or 7.2 KBPS. Simultaneous operation of main and 150-BPS secondary channel is only possible using opposite wire pairs.

**List 3**—Switched network, 2- or 4-wire private line operation at a bit rate of 1.8, 3.6, or 5.4 KBPS. Simultaneous operation of main and 150-BPS secondary channel is possible on any wire pair (secondary channel required on DDD and 2-wire private line).

**List 4**—Switched network, 2- or 4-wire private line operation at a bit rate of 2.4, 4.8, or 7.2 KBPS. Simultaneous operation of main and 150-BPS secondary channels is possible on any wire pair (secondary channel is required on DDD and 2-wire private line).

**List 5**—Four-wire private line operation at a bit rate of 3.2, 6.4, or 9.6 KBPS. Simultaneous operation of main and 150-BPS secondary channels is only possible using opposite wire pairs.

**List 6**—Four-wire private line operation at a bit rate of 3.6, 7.2, or 10.8 KBPS. Simultaneous operation of main and 150-BPS secondary channels is only possible using opposite wire pairs.

**List 7**—A 0- to 150-BPS secondary channel.

**List 8**—Additional apparatus required to provide EIA standard interface circuits.

**List 9**—Additional apparatus required to provide MIL standard interface circuits.

**List 11\***—Apparatus required in addition to L1C

or L1D and L2 to provide a special automatic retraining auxiliary channel to permit independent retraining of one transmitter/receiver pair without interrupting the other pair.

**List 12\***—Apparatus required in addition to L1C or L1D and L6 to provide a special automatic retraining auxiliary channel to permit independent retraining of one transmitter/receiver pair without interrupting the other pair.

\*The L11 and L12 auxiliary channels are not required to provide the standard automatic retraining which is available as a strapping option for all data sets 203A type operating on 4-wire lines.

**List 13**—Additional apparatus required to provide up to six parallel EIA standard customer interface circuits.

**TABLE OF AUTHORIZED  
ORDERABLE CODES  
FOR DATA SET 203A TYPE**

DATA SET	RATING
203A-L1C/2/8 *	AT&TCo Std
203A-L1C/3/8 †	AT&TCo Std
203A-L1C/4/8 †	AT&TCo Std
203A-L1C/5/8 *	AT&TCo Std
203A-L1C/6/8 *	AT&TCo Std
203A-L1C/2/9 *	AT&TCo Std
203A-L1C/3/9 †	AT&TCo Std
203A-L1C/4/9 †	AT&TCo Std
203A-L1C/5/9 *	AT&TCo Std
203A-L1C/6/9 *	AT&TCo Std
203A-L1C/2/7/8 *	AT&TCo Std
203A-L1C/3/7/8 ‡	AT&TCo Std
203A-L1C/4/7/8 ‡	AT&TCo Std
203A-L1C/5/7/8 *	AT&TCo Std
203A-L1C/6/7/8 *	AT&TCo Std
203A-L1C/2/7/9 *	AT&TCo Std
203A-L1C/3/7/9 †	AT&TCo Std
203A-L1C/4/7/9 †	AT&TCo Std
203A-L1C/5/7/9 *	AT&TCo Std
203A-L1C/6/7/9 *	AT&TCo Std
203A-L1C/2/8/11 *	AT&TCo Std
203A-L1C/2/9/11 *	AT&TCo Std
203A-L1C/6/8/12 *	AT&TCo Std
203A-L1C/6/9/12 *	AT&TCo Std

DATA SET	RATING
203A-L1C/2/8/13 *	AT&TCo Std
203A-L1C/3/8/13 †	AT&TCo Std
203A-L1C/4/8/13 †	AT&TCo Std
203A-L1C/5/8/13 *	AT&TCo Std
203A-L1C/6/8/13 *	AT&TCo Std
203A-L1C/2/7/8/13 *	AT&TCo Std
203A-L1C/3/7/8/13 ‡	AT&TCo Std
203A-L1C/4/7/8/13 ‡	AT&TCo Std
203A-L1C/5/7/8/13 *	AT&TCo Std
203A-L1C/6/7/8/13 *	AT&TCo Std
203A-L1D/2/8 *	AT&TCo Std
203A-L1D/3/8 †	AT&TCo Std
203A-L1D/4/8 †	AT&TCo Std
203A-L1D/5/8 *	AT&TCo Std
203A-L1D/6/8 *	AT&TCo Std
203A-L1D/2/9 *	AT&TCo Std
203A-L1D/3/9 †	AT&TCo Std
203A-L1D/4/9 †	AT&TCo Std
203A-L1D/5/9 *	AT&TCo Std
203A-L1D/6/9 *	AT&TCo Std
203A-L1D/2/7/8 *	AT&TCo Std
203A-L1D/3/7/8 ‡	AT&TCo Std
203A-L1D/4/7/8 ‡	AT&TCo Std
203A-L1D/5/7/8 *	AT&TCo Std
203A-L1D/6/7/8 *	AT&TCo Std
203A-L1D/2/7/9 *	AT&TCo Std
203A-L1D/3/7/9 †	AT&TCo Std
203A-L1D/4/7/9 †	AT&TCo Std
203A-L1D/5/7/9 *	AT&TCo Std
203A-L1D/6/7/9 *	AT&TCo Std
203A-L1D/2/8/11 *	AT&TCo Std
203A-L1D/2/9/11 *	AT&TCo Std
203A-L1D/6/8/12 *	AT&TCo Std
203A-L1D/6/9/12 *	AT&TCo Std
203A-L1D/2/8/13 *	AT&TCo Std
203A-L1D/3/8/13 †	AT&TCo Std
203A-L1D/4/8/13 †	AT&TCo Std
203A-L1D/5/8/13 *	AT&TCo Std
203A-L1D/6/8/13 *	AT&TCo Std
203A-L1D/2/7/8/13 *	AT&TCo Std
203A-L1D/3/7/8/13 ‡	AT&TCo Std
203A-L1D/4/7/8/13 ‡	AT&TCo Std
203A-L1D/5/7/8/13 *	AT&TCo Std
203A-L1D/6/7/8/13 *	AT&TCo Std

\* Four-wire private line only.  
† Four-wire private line or 4-wire DDD operation only.  
‡ Two- or 4-wire private line or 2- or 4-wire DDD operation.

**Example:** 203A-L1C/4/7/8/13

This is a data set 203 type transmitter/receiver (A) in a KS-20018, L3 cabinet which is 2 feet wide, 2 feet high, and 1 foot deep (L1C) for operation on a switched network, 2- or 4-wire private line at a bit rate of 4.8 KBPS (4), and a 0- to 150-BPS secondary channel (7) with EIA standard interface (8) and provision for up to six parallel customer interface circuits (13).

**Data Set 203B Type Transmitter With a Secondary Channel**

**List 1C**—Common apparatus, assembly, wiring, and hardware for one data set 203B type transmitter with provision for speed and functional options, in a KS-20018, L3 cabinet which is 2 feet wide, 2 feet high, and 1 foot deep.

**List 1D**—Common apparatus, assembly, wiring, and hardware for one data set 203B type transmitter with provision for speed and functional options, for mounting on a 23-inch frame using 14 inches of mounting height.

**List 2**—Four-wire private line operation at a bit rate of 2.4, 4.8, or 7.2 KBPS. Simultaneous operation of main and 150-BPS secondary channels is only possible using opposite wire pairs.

**List 3**—Switched network, 2- or 4-wire private line operation at a bit rate of 1.8, 3.6, or 5.4 KBPS. Simultaneous operation of main and 150-BPS secondary channels is possible on any wire pair.

**List 4**—Switched network, 2- or 4-wire private line operation at a bit rate of 2.4, 4.8, or 7.2 KBPS. Simultaneous operation of main and 150-BPS secondary channels is possible on any wire pair.

**List 5**—A 4-wire private line operation at a bit rate of 3.2, 6.4, or 9.6 KBPS. Simultaneous operation of main and 150-BPS secondary channels is only possible using opposite wire pairs.

**List 6**—A 4-wire private line operation at a bit rate of 3.6, 7.2, or 10.8 KBPS. Simultaneous operation of main and 150-BPS secondary channels is only possible using opposite wire pairs.

**List 7**—A 0- to 150-BPS secondary channel.

**List 8**—Additional apparatus required to provide EIA standard interface circuits.

**List 9**—Additional apparatus required to provide MIL standard interface circuits.

**List 13**—Additional apparatus required to provide up to six parallel EIA standard customer interface circuits.

**TABLE OF AUTHORIZED  
ORDERABLE CODES  
FOR DATA SET 203B TYPE**

DATA SET	RATING
203B—L1C/2/7/8 *	AT&TCo Std
203B—L1C/3/7/8 †	AT&TCo Std
203B—L1C/4/7/8 †	AT&TCo Std
203B—L1C/5/7/8 *	AT&TCo Std
203B—L1C/6/7/8 *	AT&TCo Std
203B—L1C/2/7/9 *	AT&TCo Std
203B—L1C/3/7/9 †	AT&TCo Std
203B—L1C/4/7/9 †	AT&TCo Std
203B—L1C/5/7/9 *	AT&TCo Std
203B—L1C/6/7/9 *	AT&TCo Std
203B—L1C/2/7/8/13 *	AT&TCo Std
203B—L1C/3/7/8/13 †	AT&TCo Std
203B—L1C/4/7/8/13 †	AT&TCo Std
203B—L1C/5/7/8/13 *	AT&TCo Std
203B—L1C/6/7/8/13 *	AT&TCo Std
203B—L1D/2/7/8 *	AT&TCo Std
203B—L1D/3/7/8 †	AT&TCo Std
203B—L1D/4/7/8 †	AT&TCo Std
203B—L1D/5/7/8 *	AT&TCo Std
203B—L1D/6/7/8 *	AT&TCo Std
203B—L1D/2/7/9 *	AT&TCo Std
203B—L1D/3/7/9 †	AT&TCo Std
203B—L1D/4/7/9 †	AT&TCo Std
203B—L1D/5/7/9 *	AT&TCo Std
203B—L1D/6/7/9 *	AT&TCo Std
203B—L1D/2/7/8/13 *	AT&TCo Std
203B—L1D/3/7/8/13 †	AT&TCo Std
203B—L1D/4/7/8/13 †	AT&TCo Std
203B—L1D/5/7/8/13 *	AT&TCo Std
203B—L1D/6/7/8/13 *	AT&TCo Std

\* Four-wire private line only.

† Two- or 4-wire private line or 2- or 4-wire DDD operation.

**Example:** 203B-L1C/6/7/8/13

This is a data set 203 type transmitter (B) in a KS-20018, L3 cabinet (L1C) for operation on a 4-wire private line at a bit rate of 3.6, 7.2, or 10.8 KBPS (6), having a 0- to 150-BPS secondary channel (7) and providing EIA standard interface

(8) and provision for up to six parallel customer interface circuits (13).

**Data Set 203C Type Receiver With a Secondary Channel**

**List 1C**—Common apparatus, assembly, wiring, and hardware for one data set 203C type receiver with provisions for speed and functional options, in a KS-20018, L3 cabinet which is 2 feet wide, 2 feet high, and 1 foot deep.

**List 1D**—Common apparatus, assembly, wiring, and hardware for one data set 203C type receiver with provision for speed and functional options, for mounting on a 23-inch frame using 20 inches of mounting height.

**List 1E**—Common apparatus, assembly, wiring, and hardware for one data set 203C type receiver with provision for speed and functional options, for mounting on a 23-inch frame using 14 inches of mounting height.

**List 2**—Four-wire private line operation at a bit rate of 2.4, 4.8, or 7.2 KBPS. Simultaneous operation of main and 150-BPS secondary channels is only possible using opposite wire pairs.

**List 3**—Switched network, 2- or 4-wire private line operation at a bit rate of 1.8, 3.6, or 5.4 KBPS. Simultaneous operation of main and 150-BPS secondary channels is possible on any wire pair.

**List 4**—Switched network, 2- or 4-wire private line operation at a bit rate of 2.4, 4.8, or 7.2 KBPS. Simultaneous operation of main and 150-BPS secondary channels is possible on any wire pair.

**List 5**—Four-wire private line operation at a bit rate of 3.2, 6.4, or 9.6 KBPS. Simultaneous operation of main and 150-BPS secondary channels is only possible using opposite wire pairs.

**List 6**—Four-wire private line operation at a bit rate of 3.6, 7.2, or 10.8 KBPS. Simultaneous operation of main and 150-BPS secondary channels is only possible using opposite wire pairs.

**List 7**—A 0- to 150-BPS secondary channel.

**List 8**—Additional apparatus required to provide EIA standard interface circuits.

**List 9**—Additional apparatus required to provide MIL standard interface circuits.

**List 13**—Additional apparatus required to provide up to six parallel EAI standard customer interface circuits.

**TABLE OF AUTHORIZED  
ORDERABLE CODES  
FOR DATA SET 203C TYPE**

DATA SET	RATING
203C-L1C/2/7/8 *	AT&TC <sub>o</sub> Std
203C-L1C/3/7/8 †	AT&TC <sub>o</sub> Std
203C-L1C/4/7/8 †	AT&TC <sub>o</sub> Std
203C-L1C/5/7/8 *	AT&TC <sub>o</sub> Std
203C-L1C/6/7/8 *	AT&TC <sub>o</sub> Std
203C-L1C/2/7/9 *	AT&TC <sub>o</sub> Std
203C-L1C/3/7/9 †	AT&TC <sub>o</sub> Std
203C-L1C/4/7/9 †	AT&TC <sub>o</sub> Std
203C-L1C/5/7/9 *	AT&TC <sub>o</sub> Std
203C-L1C/6/7/9 *	AT&TC <sub>o</sub> Std
203C-L1C/2/7/8/13 *	AT&TC <sub>o</sub> Std
203C-L1C/3/7/8/13 †	AT&TC <sub>o</sub> Std
203C-L1C/4/7/8/13 †	AT&TC <sub>o</sub> Std
203C-L1C/5/7/8/13 *	AT&TC <sub>o</sub> Std
203C-L1C/6/7/8/13 *	AT&TC <sub>o</sub> Std
203C-L1D/2/7/8 *	AT&TC <sub>o</sub> Std
203C-L1D/3/7/8 †	AT&TC <sub>o</sub> Std
203C-L1D/4/7/8 †	AT&TC <sub>o</sub> Std
203C-L1D/5/7/8 *	AT&TC <sub>o</sub> Std
203C-L1D/6/7/8 *	AT&TC <sub>o</sub> Std
203C-L1D/2/7/9 *	AT&TC <sub>o</sub> Std
203C-L1D/3/7/9 †	AT&TC <sub>o</sub> Std
203C-L1D/4/7/9 †	AT&TC <sub>o</sub> Std
203C-L1D/5/7/9 *	AT&TC <sub>o</sub> Std
203C-L1D/6/7/9 *	AT&TC <sub>o</sub> Std
203C-L1D/2/7/8/13 *	AT&TC <sub>o</sub> Std
203C-L1D/3/7/8/13 †	AT&TC <sub>o</sub> Std
203C-L1D/4/7/8/13 †	AT&TC <sub>o</sub> Std
203C-L1D/5/7/8/13 *	AT&TC <sub>o</sub> Std
203C-L1D/6/7/8/13 *	AT&TC <sub>o</sub> Std
203C-L1E/2/7/8 *	AT&TC <sub>o</sub> Std
203C-L1E/3/7/8 †	AT&TC <sub>o</sub> Std
203C-L1E/4/7/8 †	AT&TC <sub>o</sub> Std
203C-L1E/5/7/8 *	AT&TC <sub>o</sub> Std
203C-L1E/6/7/8 *	AT&TC <sub>o</sub> Std
203C-L1E/2/7/9 *	AT&TC <sub>o</sub> Std
203C-L1E/3/7/9 †	AT&TC <sub>o</sub> Std
203C-L1E/4/7/9 †	AT&TC <sub>o</sub> Std
203C-L1E/5/7/9 *	AT&TC <sub>o</sub> Std
203C-L1E/6/7/9 *	AT&TC <sub>o</sub> Std

\* Four-wire private line only.

† Two- or 4-wire private line or 2- or 4-wire DDD operation.

**Example:** 203C-L1C/5/7/8

**SECTION 592-019-180**

This is a data set 203 type receiver (C) in a KS-20018, L3 cabinet (L1C) for operation on a 4-wire private line at a bit rate of 3.2, 6.4, or 9.6 KBPS (5) with a 150-BPS secondary channel (7), with an EIA standard interface (8).

**5. GENERAL NOTES**

**List of Authorized Mfr Disc. Products**

**LIST OF AUTHORIZED MFR DISC. DATA SETS**

CODE NO.	REPLACED BY
203A-L1/2	203A-L1C/2/8
203A-L1/2/7	203A-L1C/2/7/8
203A-L1/3	203A-L1C/3/8
203A-L1/3/7	203A-L1C/3/7/8
203A-L1/4	203A-L1C/4/8
203A-L1/4/7	203A-L1C/4/7/8
203A-L1/5	203A-L1C/5/8
203A-L1/5/7	203A-L1C/5/7/8
203A-L1/6	203A-L1C/6/8
203A-L1/6/7	203A-L1C/6/7/8
203A-L1A/2	203A-L1D/2/8
203A-L1A/2/7	203A-L1D/2/7/8
203A-L1A/3	203A-L1D/3/8
203A-L1A/3/7	203A-L1D/3/7/8
203A-L1A/4	203A-L1D/4/8
203A-L1A/4/7	203A-L1D/4/7/8
203A-L1A/5	203A-L1D/5/8

**LIST OF AUTHORIZED MFR DISC. DATA SETS (Cont)**

CODE NO.	REPLACED BY
203A-L1A/5/7	203A-L1D/5/7/8
203A-L1A/6	203A-L1D/6/8
203A-L1A/6/7	203A-L1D/6/7/8
203B-L1/2	203B-L1C/2/7/8
203B-L1/3	203B-L1C/3/7/8
203B-L1/4	203B-L1C/4/7/8
203B-L1/5	203B-L1C/5/7/8
203B-L1/6	203B-L1C/6/7/8
203B-L1A/2	203B-L1D/2/7/8
203B-L1A/3	203B-L1D/3/7/8
203B-L1A/4	203B-L1D/4/7/8
203B-L1A/5	203B-L1D/5/7/8
203B-L1A/6	203B-L1D/6/7/8
203C-L1/2	203C-L1C/2/7/8
203C-L1/3	203C-L1C/3/7/8
203C-L1/4	203C-L1C/4/7/8
203C-L1/5	203C-L1C/5/7/8
203C-L1/6	203C-L1C/6/7/8
203C-L1A/2	203C-L1D/2/7/8
203C-L1A/3	203C-L1D/3/7/8
203C-L1A/4	203C-L1D/4/7/8
203C-L1A/5	203C-L1D/5/7/8
203C-L1A6	203C-L1D/6/7/8
203C-L1B/2	203C-L1E/2/7/8
203C-L1B/3	203C-L1E/3/7/8
203C-L1B/4	203C-L1E/4/7/8
203C-L1B/5	203C-L1E/5/7/8
203C-L1B/6	203C-L1E/6/7/8

TABLE A

SUMMARY OF DATA SET 203 TYPE OPERATION

SPEED OPTION	L2	L3			L4			L5	L6
Transmission Facility	4-Wire Private Line *	Switched Network	2-Wire Private Line *	4-Wire Private Line *	Switched Network	2-Wire Private Line *	4-Wire Private Line *	4-Wire Private Line *	4-Wire Private Line *
Baud Rate	2400	1800	1800	1800	2400	2400	2400	3200	3600
Recommended Data Speed (KB/S)	4.8	3.6	3.6	3.6	4.8	4.8	4.8	3.2 or 6.4	3.6 or 7.2
Maximum Allowable Data Speed (KB/S)	7.2 †	3.6	5.4 †	5.4 †	4.8	7.2 †	7.2 †	9.6 †	10.8 †
0 to 150 — BPS Secondary Channel	Optional ‡	Required	Required	Optional ‡	Required	Required	Optional ‡	Optional ‡	Optional ‡
Simultaneous Transmission of Main and Secondary Channel	Using Opposite Wire Pairs Only	Yes	Yes	On Any Wire Pair	Yes	Yes	On Any Wire Pair	Using Opposite Wire Pairs Only	Using Opposite Wire Pairs Only
Automatic Retraining Auxiliary Channel	Optional §	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Optional §

\* Private line is intended to mean schedule C2 private line, formerly known as 4B.

† In most cases, the performance at these higher speeds will be substantially worse than that achieved at the lower speeds.

‡ The 0- to 150-BPS secondary channel (L7) is optional only for data set 203A. For data sets 203B and 203C the L7 is required.

§ The automatic retraining auxiliary channel (L11 or L12) is optional only in data set 203A. The L11 or L12 cannot be used with data set 203B or 203C.