

**NUMERICAL INDEX — DIVISION 179**  
**SIGNALING CIRCUITS AND ASSOCIATED RINGER CIRCUITS**

**1. GENERAL**

- 1.01** This section provides an index of System-issued sections in Division 179.
- 1.02** This section reverted to Issue 1 in May 1977. Prior to that date there had been 99 issues of the section.
- 1.03** A bullet (●) indicates an item that has been added or changed since the previous issue of the index.
- 1.04** A square (□) indicates a canceled item. Information relating to the cancellation, if necessary, will be shown in a note following the item. Canceled items and related notes will be deleted upon reissue of the index.
- 1.05** A heart (♥) indicates a new or reissued item which, because of its limited need, will not be distributed on standing order except through coded distribution. Additional copies may be obtained by placing regular (one-time) orders.
- 1.06** A spade (♠) indicates an item not on microfiche. This index indicates the latest issue for hard-copy BSPs. In some cases, the microfiche BSP will reflect the next higher issue as a result of the reduced distribution interval.
- 1.07** "Add" is the abbreviation for Addendum.

**2. LAYERS**

**2.01** This division is arranged in layers as follows:

- 179-0 Indexes, Administrative Procedures, and Equipment Test Lists
  - 1 General Signaling and Compatibility Considerations
  - 2 1600- or 2000-Cycle Single-Frequency Signaling Systems
  - 3 2400- or 2600-Cycle Single-Frequency Signaling Systems
  - 4 2600-Hz Single-Frequency Signaling System G-Type
  - 6 Multifrequency
  - 7 DC Signaling Systems

**3. INDEX**

Section Number	Issue	Subject
<b>179-0 INDEXES, ADMINISTRATIVE PROCEDURES, AND EQUIPMENT TEST LISTS</b>		
● ♠ 179-000-000	38	Numerical Index — Division 179 — Signaling Circuits and Associated Ringer Circuits
●	179-001-011	16 ETL — Signaling Circuits
<b>179-5 DATA SHEET — TYPE G SIGNALING SYSTEM</b>		
179-005-001	1	J99395AA 2-Wire 900-Ohm E&M Signaling Unit (SFEE900BAA)
179-005-002	1	J99395AB 2-Wire 600-Ohm E&M Signaling Unit (SFEE600CAA)
179-005-003	1	J99395BA 4-Wire 600-Ohm E&M Signaling Unit (SF60B00BAA)
179-005-004	1	J99395BM 4-Wire Pulse Link Repeater (PLR) Unit (SFAXG3HCAA)
179-005-005	1	J99395DA 2-Wire 900-Ohm Loop Reverse Battery Unit (SFDOGOOBAA)

Section Number	Issue	Subject
179-005-006	1	J99395DA 2-Wire 900-Ohm Loop Reverse Battery Unit (SFDTG0BAA)
179-005-007	1	J99395EA Private Line Automatic Ring Unit (SFRD320CAA)
179-005-008	1	J99395EB 2-Wire Ringdown Unit (SFRD410DAA)
179-005-009	1	J99395FA Private Line Automatic Ring Unit (SFRD220BAA)
179-005-010	1	J99395FB 4-Wire Ringdown Unit (SFRD110AAA)
179-005-011	1	J99395HA 4-Wire Duplex Signaling Unit (SFAX44HDAA)
179-005-012	1	J99395LA 2-Wire Special Access unit (SFXTA20CAA)
179-005-013	1	J99395LB 2-Wire Foreign Exchange, Gain Transfer Unit (SFXTV20EAA)
179-005-014	1	J99395LC Special Access Signaling Unit (SFXTC20-EAA)
179-005-015	1	J99395MA 4-Wire Transmission Only Unit (SFCTG30EAA)
179-005-016	1	J99395MB Transmission Only Bypass Unit (SFCTGOODAA)
179-005-017	1	J99395MC Transmission Only Bypass Unit (SFCTG30EAA)
179-005-018	1	J99395NA 2-Wire Transmission Only Bypass Unit (4T9F10HBAA)
179-005-019	1	J99395PA 4-Wire Extension Office End, Customer Line—Signaling Unit (SFXTA400AA)
179-005-020	1	J99395PD 4-Wire GS/LS Special Access Tandem Unit (SFXTTSOFAA)
179-005-021	1	J99395RA Special Signaling Unit (SFXSA40DAA)
179-005-022	1	J99395SA 2-Wire Special Access Unit (SFXSA20CAA)
179-005-023	1	J99395SB 2-Wire Foreign Exchange, Gain Transfer Unit (SFXSV20EAA)
<b>179-1 GENERAL SIGNALING AND COMPATIBILITY CONSIDERATIONS</b>		
179-100-100	1	Transmission and Signaling Leads — Designations and Circuit Interfaces
179-100-301	11	Signaling and Transmission Systems Compatibility Information — General
Add 179-100-302	1	
179-100-302	11	Digital Transmission Systems — D1 Channel Bank — Signaling Compatibility

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**SECTION 179-000-000**

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179-100-303	6	V4 Telephone Repeater — Signaling Compatibility
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179-100-304	11	Signaling Compatibility — Type E Signaling System
179-100-305	8	E-Type Repeater — Signaling Compatibility
179-100-306	7	F-Type Signaling System — FW_ Signaling Units — Signaling Compatibility
Add 179-100-307	1	
179-100-307	3	T-Carrier System — D2 Channel Bank — Signaling Compatibility
179-100-308	4	Type F Signaling System — FU_ and Auxiliary Units — Signaling Compatibility
179-100-309	4	DX Signaling Systems — Signaling Compatibility
Add 179-100-310	1	
179-100-310	4	Digital Transmission Systems — D3 Channel Bank — Signaling Compatibility
179-100-311	2	Digital Transmission Systems — D4 Channel Bank — Signaling Compatibility
179-100-312	1	Type G Signaling System — Signaling Compatibility
♥ 179-123-501	1	TASI Signal Converter Tests — Using TASI Signal Converter Selector Circuit — SD-56529-01
<b>179-2 1600- OR 2000-CYCLE SINGLE-FREQUENCY SIGNALING SYSTEMS</b>		
179-201-101	1	Equipped With Signaling Circuit SD-56202-01 — General Description
179-202-101	1	Equipped With Signaling Circuit SD-56202-01 — Detailed Circuit Operation
179-205-301	2	Supply Circuit SD-55962-01 — Alarm Routine, Manual Transfer, and Trouble Clearing Procedures
179-205-501	4	Supply Circuit SD-55962-01 — Tests
179-206-301	1	Supply Circuit SD-56239-01 — Trouble Clearing Procedures
179-206-501	1	Supply Circuit SD-56239-01 — Tests
179-210-501	4	Overall Pulsing and Supervisory Tests Using No. 2A or 2B Signaling Test Set on E and M Leads
179-215-301	4	Circuits SD-55954-01 and SD-55954-02 — Analysis and Clearance of Trouble
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179-217-301	2	Circuit SD-56202-01 — Analysis and Clearance of Trouble
179-217-501	3	Circuit SD-56202-01 — Tests

Section Number	Issue	Subject
179-217-701	2	Circuit SD-56202-01 — Requirements and Adjusting Procedures
<b>179-3 2400- OR 2600-CYCLE SINGLE-FREQUENCY SIGNALING SYSTEMS</b>		
♥ 179-300-501	1	Signal Converter Circuit SD-5G149-01 — Tests
179-301-301	1	Supply Circuits — Trouble Clearing Procedures
179-301-501	3	Supply Circuits — Tests
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179-302-501	4	Signaling Tests — Type E and F — Using 2B Signaling Test Set (J64730)
179-302-502	1	Signaling Tests — Type E and F — Using 4A Signaling Test Set (J94743)
179-303-301	3	Circuits — Analysis and Clearance of Trouble
179-305-501	5	2400- or 2600-Hertz Supply Circuit (SD-98092-01) 2000-Hertz Supply Circuit (SD-98081-01) — Load Transfer Circuit (SD-98091-01) — In-Service Tests
179-306-101	1	Multichannel Tone Test Unit — SD-7C004-01 — Description
179-306-501	1	Multichannel Tone Test Unit — SD-7C004-01 — Tests
179-310-501	1	Circuit SD-56202-02 — Tests
179-310-701	1	Circuit SD-56202-02 — Requirements and Adjusting Procedures
179-312-501	4	Circuit SD-56292-01 — Out-of-Service Tests Using Signaling Testing Circuit SD-56335-01
179-312-502	3	Circuit SD-56292-01 — In Service Tests
179-313-101	1	E-Type — Test Extender SD-99384-01 — Description
179-314-501	5	Types E1A, E1B, E2B, E3B, E4B, E1C, E2C, E3C, E4C, E5C, E1D, E2D, E3D, E4D, E5D, E1J, E1L, E2L, E1P, E1R, E1S, E2S, and E3S — In-Service Tests
179-315-501	4	E-Type Signaling Test Circuit — SD-96519-01 and SD-96519-02 — Tests
Add 179-316-501	2	
179-316-501	3	2400- or 2600-Cycle E1B, E2B, or E3B — Out-of-Service Tests Using Testing Circuits SD-56335-01 and SD-95874-01
Add 179-316-502	2	
179-316-502	6	2400-Hz or 2600-Hz E1B, E2B, E3B, or E4B — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B
179-316-503	2	2400- or 2600-Hz E1B, E2B, E3B, or E4B — Out-of-Service Test Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set SD-1C244-01
179-318-501	1	2600-Cycle E1A — Out-of-Service Tests Using Testing Circuits SD-56335-01 and SD-95874-01

Section Number	Issue	Subject	Section Number	Issue	Subject
Add 179-318-502	1		179-328-502	6	E1L-A and E2L-A Auxiliary Signaling Circuits — Out-of-Service Tests Using Testing Circuit — SD-96519-01 or SD-96519-02
179-318-502	3	2600-Hz E1A — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B	179-330-501	6	2600-Hz E1S, E2S, and E3S — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02
179-318-503	1	2600-Cycle E1A — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set (SD-1C244-01) J-94743	Add 179-330-502	1	
179-320-501	1	2600-Cycle E1C — Out-of-Service Tests Using Testing Circuits SD-95874-01 and SD-56335-01	179-330-502	3	E1S-A and E2S-A Auxiliary Signaling Circuits — Out-of-Service Tests Using Test Circuit — SD-96519-01 or SD-96519-02
179-320-502	8	2600-Hz E1C or E2C — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B	179-331-101	2	2600-Hz E1P — Description
179-320-503	1	2600-Hz E1C or E2C — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set SD-1C244-01 (J94743A)	179-332-101	2	2600-Hz E1R — Description
179-322-501	1	2600-Cycle E1D — Out-of-Service Tests Using Testing Circuits SD-95874-01 and SD-57335-01	Add 179-353-501	1	
Add 179-322-502	1		179-353-501	3	2600-Hz E3C, E4C, or E5C — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02
179-322-502	6	2600-Hz E1D, E2D, or E3D — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B	179-354-501	3	2600-Hz E4D E5D — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02
179-322-503	1	2600-Hz E1D, E2D, or E3D — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set SD-1C244-01 (J94743A)	179-355-101	1	Carrier Group Alarm — Trunk Release and Make-Busy Circuit (SD-5G423-01) — General Description
179-324-501	6	2600-Hertz E1E — (SD-98088-01 or SD-98088-02) — Out-of-Service Tests Using Testing Circuit — (SD-96519-01 or SD-96519-02)	179-360-100	2	Type F Single Frequency Signaling System — General Description
Add 179-324-502	1		179-360-101	1	Type F Signaling — 2600-Hz Tone Supply and Transfer — Circuit SD-1C224-01 — Description
179-324-502	3	2600-Cycle E1E — (SD-98088-01 or SD-98088-02) — In-Service Tests Using Testing and Monitoring Circuit — (SD-96519-01 or SD-96519-02)	179-360-501	3	2600-Hz Tone Supply and Transfer Circuit — Tests — Type F Signaling System
179-326-501	5	2600-Cycle E1F — SD-98089-01 or SD-98089-02 — Out-of-Service Tests Using Testing Circuit — SD-96519-01 or SD-96519-02	Add 179-361-101	1	
Add 179-326-502	1		179-361-101	3	Signaling Test Extender for Use With Type F Signaling Units — Description
179-326-502	3	2600-Cycle E1F — SD-98089-01 or SD-98089-02 — In-Service Tests Using Testing and Monitoring Circuit — SD-96519-01 or SD-96519-02	179-362-101	3	2600 Hz FWA, FWB, and FWC SD-1C225-01 and SD-1C583-01 — Description
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179-327-501	1	2600-Hz E1J Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B	179-363-301	4	Adjustment Procedures for FUD Signaling Converter Unit
179-327-502	1	2600-Cycle E1J — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set (J94743)	179-364-101	5	E and M and Loop Auxiliary Units — Description — Type F Signaling System
179-328-501	6	2600-Hz E1L and E2L — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02	179-365-101	7	Special Access Auxiliary Units — Description — Type F Signaling System
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			179-366-101	5	Signaling Bypass Auxiliary Units — Description — Type F Signaling System
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**SECTION 179-000-000**

Section Number	Issue	Subject
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179-401-100	1	G-Signaling Common Control Unit — J99395YA — Description
179-405-100	2	J99395AA, AB, BA, and BM—E and M Lead Signaling Units — Description
179-406-100	1	J99359CA and DA Loop Reverse Battery Signaling Units — Description
179-407-100	2	J99395LA, LB, LC, and PA Special Access Signaling Units — Description
179-407-101	1	J99395SA, SB, and RA Special Access Units — Description
179-407-501	1	J99395LB, PA, RA, and SB Signaling Units With Equalization or Gain Transfer — Adjustment Procedures
Add 179-407-502	1	
179-407-502	1	J99395LB,PA,RA, and SB Signaling Units — Prescription Settings for Precision Balance — Network and Equalizers
179-408-100	1	J99395HA 4-Wire Duplex Signaling Unit — Description and Adjustment Procedure
179-409-100	1	J99395EA and FA Private Line Automatic Ring Units — Description
179-409-101	1	J99395EB and FB 20-HZ Ringdown Units — Description — Type G Signaling System
179-410-100	1	J99395MA, MB, MC, and NA Transmission Only Bypass Units — Description
179-411-100	1	J99395PD 4-Wire GS/LS Special Access Tandem Unit — Description

**179-6 MULTIFREQUENCY**

179-602-301	3	Current Supply and Distribution Circuit SD-95391-01 — Alarm Routine
179-602-501	10	Current Supply and Distribution Circuit SD-95391-01 — Tests
179-602-502	1	Multifrequency Current Supply and Distribution Circuit SD-95391-01 Without Transfer and Alarm Circuits — Tests
179-602-503	1	Auxiliary Multifrequency Supply and Distribution Circuit SD-1C450-01 — Tests and Alarm Routine
179-603-501	5	Signal Generator SD-95867-01 — Tests
179-604-301	3	Pulsing Supply J98608 — Alarm Routine
179-604-501	4	Pulsing Supply SD-95086-01 (J98608) — Tests
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Section Number	Issue	Subject
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179-612-501	6	Signaling — Receiving Circuit — Filament Alarm and Emergency Transfer Circuit Tests
179-612-701	12	Multifrequency (MF) Signaling-Receiving Circuit SD-95536-01 — Adjusting Procedure Using Adjusting Circuit SD-95664-01
179-612-702	9	Multifrequency (MF) Signaling-Receiving Circuit SD-95536-01 — Adjusting Procedure Using Adjusting Circuit SD-95779-01
179-615-505	2	Dual Channel Receiver Circuit SD-26348-05 — Tests — No. 3 and No. 5A Crossbar Offices
179-615-701	4	Dual Channel Receiver Circuit SD-95956-01 — (For Coin Control and Ringing Signal Detection) — Adjusting Procedure Using the 72A Frequency Meter SD-59373-01 (J64072A)

**179-7 DC SIGNALING SYSTEMS**

179-701-101	1	Description
179-702-101	1	Composite and Simplex Signaling Arrangements — Description
179-708-501	1	Intertoll Dialing — Type B, CX, DX, and SX Signaling Circuit — Overall Pulsing Tests — Using Pulse Repeating Test Set (SD-64540-01) on E and M Leads
179-708-502	1	Intertoll Dialing — Type B, CX, DX, and SX Signaling Circuit — Overall Pulsing Tests — Using 2B Test Set SD-56134-02 (J64730) on E and M Leads
179-708-504	1	Intertoll Dialing — Type B, CX, and SX Signaling Circuit — Overall Dialing Trunk Pulsing Test — Using Pulse Repeating Test Set (SD-65450-01) on 2-Way Trunk Test Jack
179-708-505	1	Intertoll Dialing — Type B, CX, DX, and SX Signaling Circuit — Overall Dialing Trunk Pulsing Test — Using 2B Test Set SD-56134-02 (J64730) on 2-Way Trunk Test Jack
Add 179-708-507	1	
179-708-507	1	Intertoll Dialing — Type B, CX, and SX Signaling Circuits — Overall Dialing Trunk Pulsing Test From Toll Testboards
179-708-508	1	Intertoll Dialing — Type B, CX, and SX Signaling Circuits — Overall Dialing Trunk Pulsing Test From Toll Testboards
179-721-501	3	Loop Signaling Converter — Originating Line, SD-98130-01 — Tests — Wide Area Data Service (WADS) Using Station Arrangement A
179-722-501	3	Loop Signaling Converter Terminating Line, SD-98131-01 — Tests — Wide Area Data Service (WADS) Using Station Arrangement A
179-724-501	2	M-Lead Pulse Corrector — SD-99766-01 — Out-of-Service Tests