

**NUMERICAL INDEX — DIVISION 227**  
**GENERAL AND TESTING INFORMATION APPLYING**  
**TO INTERTOLL DIALING, CAMA, AMA, ANI, "TOUCH-TONE" CALLING**  
**AND COMMON CONTROL EQUIPMENT**  
**STEP-BY-STEP SYSTEMS**

**1. GENERAL**

**1.01** This section provides an index of System-issued sections in Division 227.

**1.02** A bullet (●) indicates an item that has been added or changed since the previous issue of the index.

**1.03** 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.

**1.04** "Add" is the abbreviation for Addendum; "App" is the abbreviation for Appendix; and "Sup" is the abbreviation for Supplement.

**2. LAYERS**

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

- 227-0 Indexes and Administrative Practices
- 1 Intertoll Dialing Equipment
  - 2 AMA Equipment
  - 3 CAMA Equipment
  - 4 Common to AMA and CAMA Equipment
  - 5 ANI Equipment
  - 6 TOUCH-TONE Calling Equipment — Not Adaptable for Common Control
  - 7 Common Control Equipment — For TOUCH-TONE Calling and for Controlled Outpulsing
  - 8 ITT TEL-TOUCH Equipment

**3. INDEX**

Section Number	Issue	Subject	Section Number	Issue	Subject
<b>227-0 INDEXES AND ADMINISTRATIVE PRACTICES</b>					
● 227-000-000	50	Numerical Index — Division 227 — General and Testing Information Applying to Intertoll Dialing, CAMA, AMA, ANI, "TOUCH-TONE" Calling and Common Control Equipment — Step-by-Step Systems	227-1	<b>INTERTOLL DIALING EQUIPMENT</b>	
227-001	<b>EQUIPMENT TEST LISTS (ETL)</b>				
227-001-012	3	Intertoll Dialing Circuits	227-100-500	5	Selectors — Operation Tests Using Dial Hand Test Set
227-001-013	3	AMA Equipment	227-100-501	2	Intertoll Selectors — Rotary Test Using 40C Test Set
227-001-014	3	CAMA Equipment	227-100-502	6	Intertoll Selectors — Rotary Tests Using Dial Hand Test Set With or Without Selector Rotary Action Test Set — SD-31616-01 (J34716A)
227-001-015	3	ANI Equipment	227-100-503	3	Intertoll Selectors — Rotary and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A) and Toll Pulse Repeating Test Set SD-64540-01 (J64722A)
227-001-016	3	TOUCH-TONE Calling Equipment — Not Adaptable for Common Control	227-100-504	4	Intertoll Selectors — B and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A) and Pulse Repeating Test Set SD-64540-01 (J64722A)
227-001-017	3	Common Control Equipment — For TOUCH-TONE Calling and for Controlled Outpulsing	227-100-505	4	Intertoll Selectors — Pulsing Tests Using Pulse Repeating Test Set SD-64540-01 (J64722A) — With or Without Pulsing Test Set SD-31481-01 (J34717A)
			227-100-506	3	Intertoll Transmission Selectors — Test of C and S Leads Using Dial Hand Test Set
			227-100-507	1	Intertoll Selectors — Permanent Alarms — Operation Test
			227-105-500	1	Traffic Registers — Associated With Intertoll Selectors — Tests
			227-110-500	1	Intertoll Through Selectors — Group Busy and Overflow Circuit — Operation Tests Using Dial Hand Test Set
			227-115-500	1	Rotary Out-Trunk Switch — Operation, Alarm and Register Tests Using Test Circuit SD-56118-01
			227-115-501	2	Rotary Out-Trunk Switches — Operation, Alarm and Register Tests Using Test Circuit SD-56342-01
			227-120-500	4	Dial or Automatic Manual Intertoll Trunks Having Selector Multiple Appearances — Operation Tests Using Dial Hand Test Set

**SECTION 227-000-000**

Section Number	Issue	Subject
227-125-500	4	Trunks to Toll Operator, Information, Intercept and Interswitch Trunks to Auxiliary Intertoll Selectors — Operation Tests Using Dial Hand Test Set
227-130-500	5	Trunks From Levels of Intertoll Selectors — Continuity Test Using Dial Hand Test Set
227-135-500	1	Intertoll Trunks — Miscellaneous Tests
227-145-500	2	Intertoll Timing Circuit SD-64587-01 — Timing and Alarm Tests
227-160-500	1	Directional Reservation Circuit (SD-56470-01) — Operation and Register Test
227-165-500	2	Controllers — Intertoll Trunk Concentrating Equipment — Operation Tests
227-170-300	3	Method of Taking Equipment Out of Service
227-185-500	6	Switch Trouble and Fuse Alarms — Tests
227-186-500	6	Trouble and Fuse Alarms — Miscellaneous Circuits — Tests

Section Number	Issue	Subject
Add 227-239-500	1	
227-239-500	2	Senders — Operation Tests Using Sender, Identifier and Transverter Test Circuit
227-239-501	1	Senders — Miscellaneous Tests
227-245-500	2	Transverter — SD-32203-01 — Operation Tests Using Sender, Identifier, and Transverter Test Circuit
227-245-501	2	Transverters — Miscellaneous Tests
227-251-500	1	Sender-Transverter Connectors — Operation Tests
227-254-300	1	Taking Equipment Out of Service — Recorder and Recorder Connector Circuits
227-257-500	2	Rotary Out-Trunk Switches — Miscellaneous Tests Using Trunk Test Set SD-90469-02 (J94710A)
227-258-500	1	Trunk Finders — Operation Test — Using Trunk Test Set SD-90469-02 (J94710A)
227-260-500	2	Dial Coin Zone Concentrating Circuit — Miscellaneous Tests
227-263-500	1	4-IPM Interrupter and Alarm Circuit — Miscellaneous Tests
227-266-500	2	Call Count Process Control — Storage and Register Circuit — Operation Tests
227-267-500	1	Traffic Registers — Operating Tests — Step-by-Step Offices Arranged for AMA
227-268-500	1	Plant Registers — Operation Tests — Step-by-Step No. 1 Offices Arranged for AMA

**227-2 AMA EQUIPMENT**

227-200-300	2	Trouble Recorder Alarm Procedure and Trouble Analysis
227-203-500	2	KS-13834 Perforator and Trouble Recorder Control and Test Circuit — Operation Tests
227-206-500	3	Subscriber Lines — Verification Test
227-209-500	3	Thousands Number Circuit — Miscellaneous Tests
227-212-500	3	Common Number and Class Circuit — Verification of Crossed Sleeve Test
227-215-500	3	Code Connectors — Operation Tests
227-218-500	2	Identifier-Trunk Connectors — Lockout Feature and Lead Continuity Tests
227-221-300	3	Identifier Cross Connections
227-221-500	3	Identifiers — Operation Tests Using Sender, Identifier and Transverter Test Circuit
227-221-501	2	Identifiers — Miscellaneous Tests
227-230-500	1	Outgoing Trunks — Voltmeter Tests Using Automatic Trunk Test Frame
227-233-500	3	AMA and Coin Zone Dialing Outgoing Trunk Circuits — Operation Tests Using Automatic Trunk Test Circuit SD-32206-01
227-233-501	1	Outgoing Trunk Circuits — AMA and Coin Zone Dialing — Transmission Tests — Using Manual Outgoing Trunk Test Circuit SD-32349-01 and Automatic Trunk Test Circuit SD-32206-01
227-236-500	4	Sender-Trunk Connectors — Miscellaneous Tests

**227-3 CAMA EQUIPMENT**

227-300-000	1	Cross-Connection and Record Forms
227-303-300	1	Trouble Ticketer Alarm Routine and Trouble Analysis
Add 227-305-500	1	
227-305-500	6	Trouble and Fuse Alarms — Miscellaneous Circuits
Add 227-310-500	1	
227-310-500	3	Dial Pulsing or MF Incoming Trunk Circuits — Operation Tests Using Test Set SD-32271-01 (J38913A) — Step-by-Step Intertoll Dialing Offices Arranged for CAMA
227-315-500	1	Incoming Register Links — Miscellaneous Tests
227-316-500	2	Incoming Register Circuits — Operation Tests Using CAMA Test Set SD-32271-01 (J38913)
227-320-500	1	Trunk Finders — Operation Tests Using Test Set
227-325-500	2	Senders — Operation Test Using Test Circuit SD-32270-01 and Test Set SD-32271-01 (J38913A)
227-325-501	2	Senders — Miscellaneous Tests

Section Number	Issue	Subject	Section Number	Issue	Subject
227-330-500	1	Decoder Connectors — Miscellaneous Tests	<b>227-5 ANI EQUIPMENT</b>		
227-331-500	3	Decoders — Operation Tests Using Sender Circuit and Test Set Circuit SD-32271-01 (J38913A)	Add227-500-300	1	
227-331-501	1	Decoders — Miscellaneous Tests	227-500-300	3	Automatic Number Identification — Analysis of Trouble Tickets — Step-by-Step Offices Arranged for ANI-Type B
227-335-500	3	Trunk Class Translators — Operation Test Using Test Set SD-32271-01 (J38913A)	227-505-300	2	Analysis and Clearance of Trouble — Number Network and Primary Bus Circuit — Secondary Network and Bus Connector Circuit
Add227-340-500	1		227-505-800	6	Number Network Frame — 313A and 313B Panels — Piece-Part Data and Replacement Procedures — Step-by-Step Offices Arranged for ANI-Type B
227-340-500	1	Position Link — Operation Tests Using Test Set SD-32271-01 (J38913A)	Add227-520-500	1	
227-345-500	1	Transverter Connector — Miscellaneous Tests	227-520-500	2	Customer Lines — Verification Tests — Step-by-Step Offices Arranged for ANI-Type B
227-346-500	3	Transverters — Tests Using Sender Circuit and Test Set Circuit, SD-32271-01 (J38913A)	227-525-500	3	Outgoing Trunk Circuits — Operation Tests Using Automatic Trunk Test Circuit SD-32315-01 — Step-by-Step Offices Arranged for ANI-Type B
227-346-501	1	Transverters — Miscellaneous Tests	227-530-500	3	Identifier Circuits — Tests Using Outpulser-Identifier Test Circuit SD-95815-01 — Step-by-Step Offices Arranged for ANI-Type B
227-355-500	2	Calls-Waiting Signal Circuit — Operation Tests	227-535-500	3	Outpulser-Identifier Test Circuit — Miscellaneous Tests
227-360-500	1	Trunk Transfer Circuit — Operation Tests	227-540-500	4	Outpulser Connector Circuit — Operation Tests — Automatic Number Identification
227-365-500	1	Traffic Registers — Operation Tests	227-545-500	4	Outpulser Circuit — Operation Tests — Step-by-Step Offices Arranged for ANI-Type B
227-370-500	1	Plant Registers — Operation Tests	227-545-501	5	Outpulser Circuits — Miscellaneous Tests — Step-by-Step Offices Arranged For ANI-Type B
<b>227-4 COMMON TO AMA AND CAMA EQUIPMENT</b>			227-555-500	4	Automatic Number Identification Trouble Ticker Circuit — Tests Using Outpulser-Identifier Test Circuit SD-95815-01 and Automatic Trunk Test Circuit SD-32315-01 — Step-by-Step Offices Arranged for ANI-Type B
Add227-400-300	1		227-560-500	4	Automatic Trunk Test Circuit SD-32315-01 — Miscellaneous Tests — Step-by-Step Offices Arranged for ANI-Type B
227-400-300	3	Master Timing Circuit SD-25633-01 — Methods of Handling Alarms	227-565-500	2	Oscillator Circuits — Functional Tests
227-400-301	2	Master Timing Circuit SD-25633-01 — Taking Equipment Out of Service	227-568-500	1	Traffic Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type B
227-400-302	2	Master Timing Circuit SD-25633-01 — Daylight Saving Time and Leap Year Changes	227-569-500	1	Plant Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type B
Add227-400-500	1		227-570-800	1	200-Number Network Units — Piece-Part Data and Replacement Procedures — Step-by-Step Offices — Arranged for ANI-Type C
227-400-500	4	Master Timing Circuit SD-25633-01 — Operation Tests — Step-by-Step Offices Arranged for AMA and Step-by-Step Intertoll Dialing Offices Arranged for CAMA	227-571-500	1	Test and Line Verification Circuit — Tests — Step-by-Step Offices Arranged for ANI-Type
227-430-300	2	Recorder and Recorder Connector — Alarm Procedure			
Add227-430-500	1				
227-430-500	2	Recorder and Recorder-Connector Circuit — Operation Tests			
227-450-500	2	Call Identity Indexer Circuit SD-25621-01 — Operation Tests			
227-455-300	3	Central Office Automatic Message Accounting Equipment — Precautions to Limit Stoppages in No. 1 Accounting Center			
227-460-300	3	Method of Handling Interdepartmental AMA Trouble Reports — Automatic Message Accounting Center			

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Section Number	Issue	Subject
227-572-500	2	Customer Lines — Verification Test — Using Test and Line Verification Test Circuit SD-32379-01 — Step-by-Step Offices Arranged for ANI-Type C
227-575-500	2	Outgoing Trunk Circuits — Operation Test — Using Test and Line Verification Test Circuit SD-32379-01 — Step-by-Step Offices Arranged for ANI-Type C
227-576-500	1	Outpulser Connector Circuit — Operation Tests — Step-by-Step Offices Arranged for ANI, Type C
227-577-500	2	Outpulser Circuit SD-32375-01 — Miscellaneous Tests — Step-by-Step Offices Arranged for ANI-Type C
227-579-500	1	Pulse Generator Circuit SD-32378-01 — Test and Replacement Procedures — Step-by-Step Offices Arranged for ANI-Type C
227-580-500	1	Traffic Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type C
227-581-500	2	Plant Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type C

**227-6 "TOUCH-TONE" CALLING EQUIPMENT — NOT ADAPTABLE FOR COMMON CONTROL**

227-615-500	2	TOUCH-TONE Calling Trunk Finders SD-31953-01 — Operation Test — Using Test Set
227-620-500	1	TOUCH-TONE® Calling Converter Finder SD-33028-01 — Operation Tests
Add 227-625-500	1	
227-625-500	1	TOUCH-TONE® Calling Signal to Dial Pulse Converters SD-32328-01 — Operation Tests — Using Converter Test Set SD-32330-01 (J33026)
227-625-501	1	TOUCH-TONE® Calling Signal to Dial Pulse Converters SD-32328-01 — Miscellaneous Tests

**227-7 COMMON CONTROL EQUIPMENT — FOR "TOUCH-TONE" CALLING AND FOR CONTROLLED OUTPUTS**

Add 227-700-300	1	
227-700-300	2	Trouble Ticket Analysis and Alarm Procedures
227-704-010	2	Cross-Connection and Record Forms
227-705-500	1	Trouble and Fuse Alarms — Tests
227-706-300	1	Method of Tracing Stuck Originating Register Outpulsing Controller Connections — Common Control — Step-by-Step Systems
227-710-500	4	Register Trunk and Link Circuit — Miscellaneous Tests

Section Number	Issue	Subject
227-715-500	2	Originating Registers, Outpulsing Controllers, and TOUCH-TONE Calling Signal Converters — Operation Tests — Using Manual Test Set SD-32363-01 (J34727)
227-715-501	3	Originating Registers — Outpulsing Controllers and TOUCH-TONE Calling Signal Converters — Miscellaneous Tests — Step-by-Step Common Control Offices
227-715-502	1	Originating Registers, Outpulsing Controllers, and TOUCH-TONE® Calling Signal Converters — Operation Tests — Using Automatic Test Circuit SD-32365-01
227-715-503	2	Originating Registers, Outpulsing Controllers — Pulsing Tests Using Automatic Test Circuit SD-32365-01 or Manual Test Set SD-32363-01 — Step-by-Step Common Control Offices
227-720-501	3	Translator Connectors-Decoder Connectors — Miscellaneous Tests — Step-by-Step Common Control Offices
227-725-500	2	Translators and Decoders — Operation Tests — Using Manual Test Set SD-32363-01 (J34727)
227-725-501	3	Translators — Miscellaneous Tests
227-725-502	1	Decoders — Miscellaneous Tests
227-725-503	1	Translators and Decoders — Operation Tests Using Automatic Test Circuit SD-32365-01 — Step-by-Step Common Control Offices
227-740-500	1	Trunk Class Connector SD-32366-01 — Tests
227-760-500	2	Automatic Test Circuit SD-32365-01 (J38929) — Tests
227-761-500	2	Manual Test Circuit SD-32362-01 (J38927) — Tests
227-762-500	1	Trouble Ticketer Circuit, SD-32364-01 — Tests
227-765-500	1	Plant and Traffic Register — Tests
227-780-500	1	Non-CAMA Outgoing Trunk Circuit Multifrequency Pulsing Reverse Battery Supervision Arranged for Timed Disconnect — Miscellaneous Tests — Step-by-Step Offices with Common Control

**227-8 ITT TEL-TOUCH EQUIPMENT**

227-800-100	1	Instruction Manual
227-801-100	1	Index and Explanation of ITT Tel-Touch Equipment — Step-by-Step Offices Without Common Control
227-811-100	1	Maintenance Instructions for K-Type Relays
227-812-100	1	Maintenance Instructions for Pentaconta Relays
227-813-100	1	Adjusting Procedures for Quintet Relays — Without Common Control

Section Number	Issue	Subject
227-820-100	1	Maintenance Instructions for Pentaconta Multiswitch
● 227-831-100	1	Station Simulator — Description — Step-by-Step Offices Without Common Control

Section Number	Issue	Subject
227-832-100	1	Lorain Dial Tone Generator and Transfer Circuit — General Description — Without Common Control