

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, 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
227-0 INDEXES AND ADMINISTRATIVE PRACTICES		

● 227-000-000 63 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

227-001 Equipment Test Lists (ETL)

227-001-012 3 Intertoll Dialing Circuits

Sup 227-001-013 1

227-001-013 3 AMA Equipment

● Sup 227-001-014 2

227-001-014 4 CAMA Equipment

● Sup 227-001-015 1

227-001-015 3 ANI Equipment

227-001-016 3 TOUCH-TONE Calling Equipment — Not Adaptable for Common Control

Section Number Issue Subject

227-001-017 3 Common Control Equipment — For TOUCH-TONE Calling and for Controlled Outpulsing

227-1 INTERTOLL DIALING EQUIPMENT

Add 227-100-500 1

227-100-500 5 Selectors — Operation Tests Using Dial Hand Test Set

227-100-501 2 Intertoll Selectors — Rotary Test Using 40C Test Set

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)

227-100-503 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)

227-100-504 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)

227-100-505 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 2 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

Add 227-120-500 1

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	Section Number	Issue	Subject
Add227-125-500	1		227-236-500	4	Sender-Trunk Connectors — Miscellaneous Tests
227-125-500	4	Trunks to Toll Operator, Information, Intercept and Interswitch Trunks to Auxiliary Intertoll Selectors — Operation Tests Using Dial Hand Test Set	227-239-500	3	Senders — Operation Tests Using Sender, Identifier and Transverter Test Circuit
Add227-130-500	1		227-239-501	1	Senders — Miscellaneous Tests
227-130-500	5	Trunks From Levels of Intertoll Selectors — Continuity Test Using Dial Hand Test Set	Add227-245-500	1	
227-135-500	1	Intertoll Trunks — Miscellaneous Tests	227-245-500	2	Transverter — SD-32203-01 — Operation Tests Using Sender, Identifier, and Transverter Test Circuit
227-145-500	2	Intertoll Timing Circuit SD-64587-01 — Timing and Alarm Tests	227-245-501	3	Transverters — Miscellaneous Tests
227-160-500	1	Directional Reservation Circuit (SD-56470-01) — Operation and Register Test	227-251-500	1	Sender-Transverter Connectors — Operation Tests
227-165-500	2	Controllers — Intertoll Trunk Concentrating Equipment — Operation Tests	227-254-300	1	Taking Equipment Out of Service — Recorder and Recorder Connector Circuits
227-170-300	3	Method of Taking Equipment Out of Service	227-257-500	2	Rotary Out-Trunk Switches — Miscellaneous Tests Using Trunk Test Set SD-90469-02 (J94710A)
227-185-500	6	Switch Trouble and Fuse Alarms — Tests	227-258-500	1	Trunk Finders — Operation Test — Using Trunk Test Set SD-90469-02 (J94710A)
227-186-500	6	Trouble and Fuse Alarms — Miscellaneous Circuits — Tests	227-260-500	2	Dial Coin Zone Concentrating Circuit — Miscellaneous Tests
227-2 AMA EQUIPMENT			227-263-500	1	4-IPM Interrupter and Alarm Circuit — Miscellaneous Tests
227-200-300	3	Trouble Recorder Alarm Procedure and Trouble Analysis	227-266-500	2	Call Count Process Control — Storage and Register Circuit — Operation Tests
227-203-500	2	KS-13834 Perforator and Trouble Recorder Control and Test Circuit — Operation Tests	227-267-500	1	Traffic Registers — Operating Tests — Step-by-Step Offices Arranged for AMA
227-206-500	3	Subscriber Lines — Verification Test	227-268-500	1	Plant Registers — Operation Tests — Step-by-Step No. 1 Offices Arranged for AMA
227-209-500	3	Thousands Number Circuit — Miscellaneous Tests	227-3 CAMA EQUIPMENT		
227-212-500	3	Common Number and Class Circuit — Verification of Crossed Sleeve Test	227-300-000	1	Cross-Connection and Record Forms
227-215-500	3	Code Connectors — Operation Tests	227-303-300	2	Trouble Ticketer Alarm Routine and Trouble Analysis
227-218-500	3	Identifier-Trunk Connectors — Lockout Feature and Lead Continuity Tests	Add227-305-500	1	
227-221-300	3	Identifier Cross Connections	227-305-500	6	Trouble and Fuse Alarms — Miscellaneous Circuits
227-221-500	4	Identifiers — Operation Tests Using Sender, Identifier and Transverter Test Circuit	Add227-310-500	1	
227-221-501	2	Identifiers — Miscellaneous Tests	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
227-223-500	1	Translations — Miscellaneous Tests	227-315-500	1	Incoming Register Links — Miscellaneous Tests
227-230-500	1	Outgoing Trunks — Voltmeter Tests Using Automatic Trunk Test Frame	227-316-500	3	Incoming Register Circuit — Operation and Miscellaneous Tests Using CAMA Test Set SD-32271-01 (J38913) for Operation Tests
227-233-500	4	AMA and Coin Zone Dialing Outgoing Trunk Circuits — Operation Tests Using Automatic Trunk Test Circuit SD-32206-01	227-318-500	1	Pretranslator — Operation and Miscellaneous Tests
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	227-320-500	1	Trunk Finders — Operation Tests Using Test Set

Section Number	Issue	Subject	Section Number	Issue	Subject
227-325-500	3	Senders — Operation Tests Using Test Circuit SD-32270-01 and Test Set SD-32271-01 (J38913A)	227-5 ANI EQUIPMENT		
227-325-501	3	Senders — Miscellaneous Tests	Add227-500-300	1	
227-330-500	1	Decoder Connectors — Miscellaneous Tests	227-500-300	3	Automatic Number Identification — Analysis of Trouble Tickets — Step-by-Step Offices Arranged for ANI-Type B
227-331-500	4	Decoders — Operation Tests Using Sender Circuit and Test Set Circuit 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
227-331-501	3	Decoders — Miscellaneous Tests	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
227-335-500	3	Trunk Class Translators — Operation Test Using Test Set SD-32271-01 (J38913A)	Add227-520-500	1	
Add227-340-500	1		227-520-500	2	Customer Lines — Verification Tests — Step-by-Step Offices Arranged for ANI-Type B
227-340-500	1	Position Link — Operation Tests Using Test Set 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
227-345-500	1	Transverter Connector — 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
227-346-500	4	Transverters — Tests Using Sender Circuit and Test Set Circuit, SD-32271-01 (J38913A)	227-535-500	3	Outpulser-Identifier Test Circuit — Miscellaneous Tests
227-346-501	1	Transverters — Miscellaneous Tests	227-540-500	5	Outpulser Connector Circuit — Operation Tests — Arranged for ANI — Type B
227-355-500	2	Calls-Waiting Signal Circuit — Operation Tests	227-545-500	4	Outpulser Circuit — Operation Tests — Step-by-Step Offices Arranged for ANI-Type B
227-360-500	1	Trunk Transfer Circuit — Operation Tests	227-545-501	5	Outpulser Circuits — Miscellaneous Tests — Step-by-Step Offices Arranged For ANI-Type B
227-365-500	2	Traffic Registers — Operations Tests	Add227-555-500	1	
227-370-500	2	Plant Registers — Operation Tests	227-555-500	4	Automatic Number Identification Trouble Ticketer 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
227-4 COMMON TO AMA AND CAMA EQUIPMENT			Add227-560-500	1	
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	2	Plant Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type B
227-400-500	5	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	227-570-800	1	200-Number Network Units — Piece-Part Data and Replacement Procedures — Step-by-Step Offices — Arranged for ANI-Type C
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			

SECTION 227-000-000

Section Number	Issue	Subject	Section Number	Issue	Subject
227-571-500	2	Test and Line Verification Circuit — Tests — Step-by-Step Offices Arranged for ANI-Type C	227-715-500	2	Originating Registers, Outpulsing Controllers, and TOUCH-TONE Calling Signal Converters — Operation Tests — Using Manual Test Set SD-32363-01 (J34727)
227-572-500	3	Customer Lines — Verification Test — Using Test and Line Verification Test Circuit SD-32379-01 — Step-by-Step Offices Arranged for ANI-Type C	227-715-501	3	Originating Registers — Outpulsing Controllers and TOUCH-TONE Calling Signal Converters — Miscellaneous Tests — Step-by-Step Common Control Offices
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	227-715-502	1	Originating Registers, Outpulsing Controllers, and TOUCH-TONE® Calling Signal Converters — Operation Tests — Using Automatic Test Circuit SD-32365-01
227-576-500	2	Outpulser Connector Circuit — Operation Tests — Step-by-Step Offices Arranged for ANI, Type C	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
227-577-500	2	Outpulser Circuit SD-32375-01 — Miscellaneous Tests — Step-by-Step Offices Arranged for ANI-Type C	227-720-501	3	Translator Connectors-Decoder Connectors — Miscellaneous Tests — Step-by-Step Common Control Offices
227-579-500	2	Pulse Generator Circuit SD-32378-01 — Test and Replacement Procedures — Step-by-Step Offices Arranged for ANI-Type C	227-725-500	2	Translators and Decoders — Operation Tests — Using Manual Test Set SD-32363-01 (J34727)
227-580-500	1	Traffic Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type C	227-725-501	3	Translators — Miscellaneous Tests
227-581-500	2	Plant Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type C	227-725-502	1	Decoders — Miscellaneous Tests
227-6 "TOUCH-TONE" CALLING EQUIPMENT — NOT ADAPTABLE FOR COMMON CONTROL			227-725-503	1	Translators and Decoders — Operation Tests Using Automatic Test Circuit SD-32365-01 — Step-by-Step Common Control Offices
227-615-500	2	TOUCH-TONE Calling Trunk Finders SD-31953-01 — Operation Test — Using Test Set	227-740-500	1	Trunk Class Connector SD-32366-01 — Tests
227-620-500	1	TOUCH-TONE® Calling Converter Finder SD-33028-01 — Operation Tests	227-760-500	2	Automatic Test Circuit SD-32365-01 (J38929) — Tests
Add 227-625-500	1		227-761-500	2	Manual Test Circuit SD-32362-01 (J38927) — Tests
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)	227-762-500	2	Trouble Ticketer Circuit, SD-32364-01 — Tests
227-625-501	1	TOUCH-TONE® Calling Signal to Dial Pulse Converters SD-32328-01 — Miscellaneous Tests	227-765-500	1	Plant and Traffic Register — Tests
227-7 COMMON CONTROL EQUIPMENT — FOR "TOUCH-TONE" CALLING AND FOR CONTROLLED OUTPULSING			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
Add 227-700-300	1		227-8 ITT TEL-TOUCH EQUIPMENT		
227-700-300	2	Trouble Ticket Analysis and Alarm Procedures	227-800-100	1	Instruction Manual
227-704-010	2	Cross-Connection and Record Forms	227-801-100	1	Index and Explanation of ITT Tel-Touch Equipment — Step-by-Step Offices Without Common Control
227-705-500	1	Trouble and Fuse Alarms — Tests	227-811-100	1	Maintenance Instructions for K-Type Relays
227-706-300	1	Method of Tracing Stuck Originating Register Outpulsing Controller Connections — Common Control — Step-by-Step Systems	227-812-100	1	Maintenance Instructions for Pentaconta Relays
227-710-500	4	Register Trunk and Link Circuit — Miscellaneous Tests	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

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