

**MASTER ALPHABETICAL INDEX**  
**ALL DIVISIONS**

**1. GENERAL**

**1.01** This section provides an alphabetically-arranged list of the subjects covered in Bell System Practices (BSP). Each subject is cross-referenced to the BSP division in which information pertaining to that subject can be found. Only the first three digits of the 9-digit BSP division number are shown.

**1.02** This section is reissued (1) to add new subjects not previously covered, (2) to provide a more detailed listing of subject matter, and (3) to permute selected subjects on a limited basis. Arrows normally used to indicate changes have been omitted.

**1.03** Recommendations for changes to this section should be submitted on Form E3973 as specified in Section 000-010-015, How to Comment on Bell System Practices.

**A**

**Abbreviations**

Common Language	751
Drawings and Product Markings	005
Input/Output Messages (Electronic Switching)	005
Radio Log	400
Wiring	005

**Administrative Information**

Alarm Centers	190
Central Office	201
Coordination Methods	010
Data Security (for Computer Systems)	007
Engineering	790
Maintenance Methods	010
Management Organizing—Outside Plant	935
Network (See Specific Systems)	
Radio	400
Records and Reports	010

<b>Aerial Cable</b>	627, 917
---------------------	----------

<b>Air Blowers</b>	161
--------------------	-----

<b>Air Dryers</b>	161
-------------------	-----

<b>Air-Ground Radio</b>	406
-------------------------	-----

<b>Alarm Control</b>	201
----------------------	-----

General Descriptive Information	951
---------------------------------	-----

<b>Alarm Systems; Crash (Customer Equipment)</b>	480
--------------------------------------------------	-----

<b>Alerting Network; Command Post (COPAN)</b>	310
-----------------------------------------------	-----

<b>Alerting Network; Joint Chief of Staff (JCSAN)</b>	310
-------------------------------------------------------	-----

<b>Alerting Systems</b>	
-------------------------	--

Central Office	201
----------------	-----

Group (Customer Equipment)	480
----------------------------	-----

Group (Nonswitched Special Services)	310
--------------------------------------	-----

No. 10A	480
---------	-----

No. 11A	480
---------	-----

<b>Alternators</b>	155
--------------------	-----

<b>AMA Recording Centers (AMARC)</b>	201
--------------------------------------	-----

<b>AMA Tape Reels</b>	034
-----------------------	-----

<b>Amplifiers</b>	024
-------------------	-----

Program	320
---------	-----

<b>Analog Data Transmission Systems</b>	314
-----------------------------------------	-----

<b>Analog Multiplex Terminal Equipment</b>	356
--------------------------------------------	-----

<b>Announcement Sets</b>	514
--------------------------	-----

<b>Announcement Systems</b>	201, 514
-----------------------------	----------

General Descriptive Information	951
---------------------------------	-----

<b>Announcer Machines; Call</b>	161
---------------------------------	-----

<b>Announcing Machine; Tape</b>	034
---------------------------------	-----

<b>Answering Sets; Telephone</b>	514
----------------------------------	-----

<b>Answering Systems; Telephone</b>	473
-------------------------------------	-----

<b>Antennas</b>	402
-----------------	-----

**Apparatus**

Blanks	501
--------	-----

Carrier	640
---------	-----

Cases for Inductors and Filters	643
---------------------------------	-----

Disconnected	500
--------------	-----

Mountings	463
-----------	-----

Panel Offices, Elevator	026
-------------------------	-----

Specially Engineered Lines	529
----------------------------	-----

<b>Appliances</b>	065
-------------------	-----

<b>Attenuators</b>	103, 104
--------------------	----------

<b>A-Type Channel Bank</b>	356
----------------------------	-----

**Automatic Call Distributing (ACD) Systems**

(Customer Equipment)—See Call Distributing Systems

<b>Automatic Data Test Circuits</b>	205
-------------------------------------	-----

<b>Automatic Data Test Systems (ADTS)</b>	668
-------------------------------------------	-----

<b>Automatic Dialers</b>	512
--------------------------	-----

<b>Automatic Repair Service Bureau (ARSB)</b>	660, 662
-----------------------------------------------	----------

<b>Automatic Reporting on Trunks; Centralized (CAROT)</b>	103, 190
-----------------------------------------------------------	----------

<b>Automatic Transmission Measuring Systems (ATMS)</b>	103
--------------------------------------------------------	-----

<b>Autotransformers</b>	028
-------------------------	-----

<b>Autovon—PBX Access Lines</b>	480
---------------------------------	-----

<b>Auxiliary Channel; Narrowband Microwave Radio</b>	408
------------------------------------------------------	-----

<b>Auxiliary Equipment; Teletypewriter</b>	570
--------------------------------------------	-----

**B**

<b>Backboards</b>	463
-------------------	-----

<b>Balancing Networks; Precision</b>	332
--------------------------------------	-----

**Banks; Channel**

A Type	356
--------	-----

D Type	365
--------	-----

<b>Banks—Panel Offices</b>	026
----------------------------	-----

<b>Bases; Telephone</b>	502
-------------------------	-----

**Batteries**

Air Cells	157
-----------	-----

Countercells	157
--------------	-----

Dry Cells and Dry Batteries	157
-----------------------------	-----

Storage	157
---------	-----

**Battery Feeders**

Customer Equipment	460
--------------------	-----

Distributing Frames (Central Office)	201
--------------------------------------	-----

## SECTION 000-000-001

**BELLBOY®**

Central Office Equipment	407
Radio Equipment	407
Records and Reports	400
<b>Bells</b>	028
Station Set Components	501
<b>Bell System Practices</b>	
Content Specification for Data Services	000
Editorial Rules	000
General Information	000
How to Comment on	000
Illustrating	000
Ordering Information	000
Printing	000
Standard Abbreviations	751
Standard Words	000
Typesetting	000
<b>Billing Systems</b>	201
<b>Binders (Public Telephone Enclosure)</b>	508
<b>Block Cable</b>	627
<b>Blocks; Connecting</b>	461, 201
<b>Block Wiring</b>	462
<b>Blower; Air</b>	161
<b>Blower Motors</b>	161
<b>Bonding; Electrical Protection and</b>	638
<b>Booths; Telephone</b>	508
<b>Bridge; 1A Composite Set</b>	103
<b>Bridge; Impedance</b>	103
<b>Bridge; Wheatstone</b>	100
<b>Broadband Entrance Links</b>	357
<b>Broadband Restoration</b>	371
<b>Brushes—Panel Offices</b>	
Commutator	026
Multiple	026
<b>BSPs—See Bell System Practices</b>	
<b>Building Engineering</b>	
Antenna Supporting Structures	760
Building Systems	760
Construction Elements	760
Design Criteria	760
Electrical	760
Fire Protection	760
Mechanical	760
Procedures	760
Space Planning	760
<b>Building Operation</b>	
Fire Protection	770
Maintenance	770
Service	770
<b>Buried Plant</b>	629
<b>Business Information Systems</b>	
Common Language	751
Computer Center (CC)	750
PICS/DCPR	756
S & E Trunk Forecasting	756
Trunks Integrated Records Keeping Systems (TIRKS)	756
<b>Business Phone Trainer</b>	473
<b>Business Services Operation Methods</b>	788
<b>Buzzers</b>	028
Station Set Components	501

**C****Cabinet**

Cleaning	034
Directory	508
Equipment (Station Installation)	463
Local Test	662

**Cable**

Aerial	627
Block	627
Buried	629
Buried Wire	626
Cable Description, Sizes, and Reel Lengths	626
Coaxial, Office—Splicing and Terminating	069
Electrical Protection and Bonding	638
Electrical Testing and Identification	634
Fault Location	634
House	627
Nonstandard—Limited Availability	626
Physical Characteristics	626
Pressure Systems	637
Telemetry	201
Safety Precautions	010
Self-Supporting	627
Splice Closures	633
Splicing	632
Standard Capacitance, Pulp-Insulated	626
Standard Connectorized	626
Submarine	630
Suspension Strand	627
Switchboard Cabling, Wiring, Skinning, and Connecting	069
Terminals	631
Transmission Testing	634
Underground	628
Upkeep	644
Vaults	622
<b>Cable Pressure Systems</b>	
Air Flow Monitors	637
Assignment Office Administration (Customer Plant)	680
Buffering	637
Cable Pressure Monitoring Systems	637
Continuous Feed Pressure Systems	637
Correction of Pressure Measurements	637
Gas Sources	637
Leak Location Methods	637
Maintenance Pressure During Construction	637
Monitoring Devices	637
Pipe Systems	637
Pressure Plugs, Prefabricated	637
Pressure Plugs, Resin, Paper, or Pulp Cable	637
Terminals, Gas Pressure	637
Toll Cable—Pressure Transducer Systems	637
Valves, Flanges, and Ells	637
<b>Cable Program Systems</b>	320
<b>Cable Protection Alarms</b>	201
<b>Cable Splicing</b>	632
<b>Cable Terminals</b>	
Broadband Terminals	631
Buried and Underground Terminals, Closures, and Interfaces	631

General Information . . . . .	631	T-Type Carrier . . . . .	365
Inside Terminals . . . . .	631	Wire Line Entrance Links . . . . .	357
Maintenance . . . . .	631	<b>Carrier Transmission Maintenance Systems (CTMS)</b> . . . . .	356, 103
Outside Cross-Connecting Terminals and Aerial Interfaces . . . . .	631	<b>Centralized Administrative and Operations Centers</b> . . . . .	190
Outside Distribution . . . . .	631	<b>Centralized Automatic Message Accounting—Computerized (CAMA-C)</b> . . . . .	201
<b>Cable Test Desks</b> . . . . .	662	General Descriptive Information . . . . .	958
<b>Cable Testing and Trouble Location Methods</b> . . . . .	330	<b>Centralized Automatic Reporting on Trunks (CAROT)</b> . . . . .	103, 190
<b>Cable Transmission Data</b> . . . . .	304	<b>Centralized Manual Control System</b> . . . . .	310
<b>Cable Vaults</b> . . . . .	622	<b>Central Office Maintenance Management Systems (COMMS)</b> . . . . .	190
<b>Cabling (Customer Equipment)</b> . . . . .	461	<b>Central Office Noise Testing</b> . . . . .	331
<b>Calculagraphs</b> . . . . .	030	<b>Centrifugal Fans</b> . . . . .	161
<b>Call Announcer Machines</b> . . . . .	161	<b>Chairs</b> . . . . .	065
<b>CALL DIRECTOR® Sets</b> . . . . .	502	<b>Channel Banks</b> . . . . .	
<b>Call Distributing Systems (Customer Equipment)</b> Automatic (ACD) No. 1S . . . . .	475	A Type . . . . .	356
No. 2A, 2B, and 3A . . . . .	476	D Type . . . . .	365
No. 60A and 60B . . . . .	533	<b>Charging Generators</b> . . . . .	155
General Descriptive Information . . . . .	981	<b>Circuit Breakers</b> . . . . .	026
No. 4A . . . . .	476	<b>Circuit Drawings</b> . . . . .	005
<b>Calling Generator; 1C Discrete</b> . . . . .	592	<b>Circuit Order Testing</b> . . . . .	660
<b>Calling Systems</b> . . . . .		<b>Civil Air Defense Warning System</b> . . . . .	201
1A High Speed Selection . . . . .	592	<b>Civil Defense Warning (CDW) System—Station Equipment</b> . . . . .	480
Code (Customer Equipment) . . . . .	473	<b>Cleaning; Apparatus and Equipment—Step-by-Step, Panel, and Crossbar Offices</b> . . . . .	069
Teletypewriter Selective . . . . .	581	<b>Cleaning Cabinet</b> . . . . .	034
<b>Call Timing Switch</b> . . . . .	030	<b>Cleaning Fluids</b> . . . . .	065
<b>Cameras</b> . . . . .	030	<b>Clocks</b> . . . . .	030
<b>Capacitor Cases</b> . . . . .	643	<b>Closed Circuit TV</b> . . . . .	641
<b>Capacitors</b> . . . . .		<b>Closures</b> . . . . .	
Electrolytic . . . . .	032	Buried Plant . . . . .	631
Fixed . . . . .	032	Cable . . . . .	633
Station Set Components . . . . .	501	<b>Clutches—Panel Offices</b> . . . . .	026
<b>Carrier Apparatus (Outside Plant)</b> . . . . .	640	<b>Coastal Harbor Radio</b> . . . . .	403
<b>Carrier-Frequency Noise Measuring Sets</b> . . . . .	103	<b>Code Calling Systems (Customer Equipment)</b> . . . . .	473
<b>Carrier-Frequency Transmission Measuring Sets</b> . . . . .	103	<b>Codes and Abbreviations—Common Language</b> . . . . .	751
<b>Carrier Program Systems</b> . . . . .	320	<b>Coil Cases</b> . . . . .	643
<b>Carrier Systems</b> . . . . .		<b>Coin Collectors</b> . . . . .	
Analog Multiplex Terminals . . . . .	356	Collections . . . . .	506
Digital Multiplexes . . . . .	365	Local Battery . . . . .	510
Digital Transmission . . . . .	365	Magneto . . . . .	510
K Type . . . . .	355	Prepay . . . . .	506
L1 Type . . . . .	358	<b>Coin Control Generators</b> . . . . .	155
L3 Type . . . . .	359	<b>Coin Station Sets (Common Battery)</b> . . . . .	506
L4 Type . . . . .	359	<b>Coin Telephone Maintenance Check</b> . . . . .	506
L4S Type . . . . .	359	<b>Coin Telephone Sets</b> . . . . .	506
L5 Type . . . . .	359	<b>Command Conference Systems (Customer Equipment)</b> . . . . .	480
L5E Type . . . . .	359	<b>Command Post Alerting Network (COPAN)</b> . . . . .	310
Maintenance Center Tests—L1 and L3 . . . . .	360	<b>Commercial Power Failure—Emergency Power Plant Tests and Logs</b> . . . . .	155
N1 Type . . . . .	362	<b>Common Battery Station Sets</b> . . . . .	502
N2 Type . . . . .	362	<b>Common Channel Interoffice Signaling (CCIS)</b> . . . . .	333, 212
N3 Type . . . . .	362	<b>Common Language</b> . . . . .	
N4 Type . . . . .	362	Abbreviations . . . . .	751
O Type . . . . .	362	Circuit Identification . . . . .	795
ON Type . . . . .	362	Codes . . . . .	751
P-Type Carrier . . . . .	970	Listings . . . . .	751
P1 Type . . . . .	363	Location Identification . . . . .	751
General Descriptive Information . . . . .	970	Switching and Traffic Administration Equipment Identification . . . . .	795
Service Center Tests—N, O, and ON . . . . .	361	Transmission Equipment Identification . . . . .	795
Subscriber . . . . .		<b>Communication Display Terminals (CDT)</b> . . . . .	578
Analog . . . . .	363	<b>Community Dial Offices</b> . . . . .	
Digital . . . . .	363	Equipment Common to More Than One Type . . . . .	226
Single Channel . . . . .	363		

**SECTION 000-000-001**

General Descriptive Information	955
Specific Types	225
<b>Commutator Brushes—Panel Offices</b>	026
<b>Commutators—Panel Offices</b>	026
<b>Compensators</b>	026
<b>Compensators; Impedance</b>	332
<b>Complaint Procedures</b>	
Bell System Practices	000
Engineering	010
<b>Components</b>	
N, O, and ON Carrier Systems	362
Station Sets	501
<b>Compressors</b>	161
<b>Compressor-Dehydrators</b>	161
<b>Computerized Maintenance and Administration System (COMAS)</b>	220
<b>Concentrators; Line</b>	067
General Descriptive Information	951
Outside Plant	639
<b>Concentrator Systems</b>	
Customer Equipment	473
10-Type Data Line (DATREX)	591
<b>Conduit</b>	
Customer Equipment	461
Outside Plant	622
<b>Connecting Blocks</b>	461, 201
<b>Connections; Soldered</b>	069
<b>Connectors</b>	
Main Frame	636
Noncoded	032
Recorder	463
Solderless	069
<b>Consoles</b>	
Selector	504
Specially Engineered Lines	529
Telephone	504
<b>Construction (Outside Plant)</b>	
Building	760
Equipment	649
Equipment Maintenance	720
<b>Construction Equipment (Outside Plant)</b>	
Aerial Lift Trucks	649
Air Compressors and Tools	649
Blowers and Heaters	649
Cable and Wire Plows	649
Duck Rodder	649
Earth-Boring Machines	649
Electrified Vehicle	649
Motor Vehicles	649
Pipe Pushing Equipment	649
Pole Derricks	649
Portable Engines	649
Portable Generators	649
Portable Pumps and Saws	649
Power Lift	649
Power Reels	649
Trailers, Dollies, and Accessories	649
Winches	649
Wire Rope	649
<b>Contactors</b>	026
<b>Controlled Maintenance Plans</b>	
Switching (See Specific Systems)	
Transmission	010

<b>Controllers</b>	
Control Units	024
Master Controllers	024
Motor Control Circuits	024
Voltage Controllers	024
<b>Control Unit for Loop Around Test Lines</b>	103
<b>Converters</b>	
Station (TTY)	570
Other	161
<b>Cooling Systems</b>	
Electron Tube	161
Reserve Engine	065
<b>COPAN Network</b>	310
<b>Cord Reels</b>	032
Station Set Components	501
<b>Cords</b>	
Extension	065
Handset	501
Mounting	501
Patching and Testing Assemblies	032
Reels	501
Station	501
Test Set	501
<b>Corrosion Practices</b>	877
<b>Counters</b>	030
<b>Crash Alarm Systems (Customer Equipment)</b>	480
<b>Crossbar Offices/Systems</b>	
No. 1	216
No. 3	218
No. 4	212
No. 5 and 5A	218
<i>General Descriptive Information</i>	958
Tandem	220
<b>Crosstalk Data</b>	304
<b>Crosstalk Measuring Sets</b>	103
<b>Customer Line Verification and Tests Involving Carrier, Range Extenders, and ESS</b>	662
<b>Customer Premises; Equipment On</b>	981
<b>Customer Premises Systems (ESS Customer Services)</b>	533
<b>Customer Training Equipment</b>	473
<b>Customer Trouble Reporting</b>	660

**D**

<b>Data Network Systems</b>	230
<b>Data Security Administration for Computer Systems</b>	007
<b>Data Service Units—500 Types</b>	595
<b>Data Sets/Stations</b>	
F-58167 for use with PICTUREPHONE®	593
Testing Equipment	107
100 Series	591
200 Series	592
300 Series	593
35 Controlmatic Teletypewriter	591
400 Series	594
500 Series	595
600 Series	596
800 Series	598
<b>DATASPEED®</b>	
DATASPEED 40	582
Magnetic Tape	578
Paper Tape	582
Printer	578

Tape Receivers . . . . .	592	<b>Drawings</b> . . . . .	005
Tape Senders . . . . .	592	<b>Drives; Panel and Motor</b> . . . . .	159
Tape to Tape . . . . .	592	<b>Drops</b> . . . . .	032
<b>Data Systems</b>		<b>Drop Wiring</b>	
Analog Transmission . . . . .	314	Attachments—Pole, Tree, and Building . . . . .	462
Data Couplers . . . . .	590	<b>Dry Cell Batteries</b> . . . . .	157
Data Mountings . . . . .	590	<b>Dryers; Air</b> . . . . .	161
Dial Teletypewriter . . . . .	972	<b>Dynamotors</b> . . . . .	159
Digital Transmission . . . . .	314		
General Information . . . . .	590	<b>E</b>	
Private Line . . . . .	312	<b>EC Emergency Radio</b> . . . . .	403
Private Line (Telegraph) . . . . .	312	<b>Echo Fox Radio Systems</b> . . . . .	406
Reference Guides . . . . .	590	<b>Echo Suppressors</b> . . . . .	332
Wide Area Data Service (WADS) . . . . .	972	<b>Echo Suppressor Test Sets</b> . . . . .	103
<b>Data Test Centers</b> . . . . .	668	<b>ED Emergency Radio</b> . . . . .	403
<b>Data Test Circuits; Automatic</b> . . . . .	205	<b>Electrical Cable Testing and Identification</b>	
<b>Data; Transmission</b> . . . . .	304	Cable Transfers . . . . .	634
<b>Data Transmission Systems</b> . . . . .	314	Electrolysis, Outside Plant . . . . .	635
<b>DATEC</b> . . . . .	010	Fault Location . . . . .	634
<b>DC-to-AC Inverters</b> . . . . .	161	Identifying Conductors . . . . .	634
For Telephone Answering Sets . . . . .	514	Locating Underground Pipes and Cables . . . . .	634
<b>DC-to-DC Converters</b> . . . . .	161	Section Replacements . . . . .	634
<b>Dedicated Plant</b>		Transmission Tests . . . . .	634
Assignment Records . . . . .	680	<b>Electrical Indicating Instruments</b>	
Wiring Access (Customer Equipment) . . . . .	462	Catalog Information . . . . .	084
Wiring Arrangements . . . . .	642	Common Usage—Maintenance, Selection, and Use . . . . .	100
<b>Dehydrators</b> . . . . .	161	Switching Systems and Power—Maintenance, Selection, and Use . . . . .	102
<b>Delay Measuring Sets</b> . . . . .	103	<b>Electrical Protection and Bonding</b>	
<b>Designation Cards</b>		Bonding and Grounding . . . . .	638
Selector Multiple . . . . .	030	Cable and Station Protection . . . . .	638
Station Set Components . . . . .	501	<b>Electrical Test Equipment—Outside Plant</b> . . . . .	106
<b>Designation Strips (Station)</b> . . . . .	501	<b>Electrolysis; Outside Plant</b> . . . . .	635
<b>DESIGN LINE* Telephone</b> . . . . .	503	<b>Electronic Data Processing</b> . . . . .	007
<b>Desks</b>		<b>Electronic Switching Systems (ESS)</b>	
Cable Test . . . . .	662	No. 1 and No. 1A ESS . . . . .	231
Information (PBX) . . . . .	475	<i>General Descriptive Information</i> . . . . .	966
Local Test . . . . .	662	No. 101 ESS . . . . .	240
Service Observing . . . . .	210	<i>General Descriptive Information</i> . . . . .	966
<i>General Descriptive Information</i> . . . . .	953	No. 2 ESS . . . . .	232
<b>Dialers; Automatic</b> . . . . .	503, 512	<i>General Descriptive Information</i> . . . . .	966
<b>Dials</b>		No. 3 ESS . . . . .	233
Types 2, 4, 5, 6, and 27 . . . . .	028	<i>General Descriptive Information</i> . . . . .	966
Station Set Components . . . . .	501	No. 4 ESS . . . . .	234
<b>Dictation Trunks; Recorded Telephone (Customer   Equipment)</b> . . . . .	473	<b>Electron Tubes</b>	
<b>Digital Data Transmission Systems</b> . . . . .	314	General Information . . . . .	024
<b>Digital Multimeasuring Systems</b> . . . . .	103	Station Set Components . . . . .	501
<b>Digital Systems; 3A-Radio</b> . . . . .	417	Test Sets and Test Data . . . . .	100
<b>Digital Transmission Systems</b> . . . . .	365	<b>Elevator Apparatus—Panel Offices</b> . . . . .	026
<b>DIMENSION® PBX</b> . . . . .	554	<b>Emergency Alarm Systems</b> . . . . .	201
<b>Diodes</b> . . . . .	032	<b>Emergency Lighting Fixture</b> . . . . .	065
Station Set Components . . . . .	501	<b>Emergency Point-to-Point Radio</b> . . . . .	403
<b>Direct Distance Dialing (DDD)</b>		<b>Emergency Power Plant Tests and Logs</b> . . . . .	155
General Descriptive Information . . . . .	951	<b>Emergency Reporting Systems</b>	
Notes . . . . .	781	Customer Equipment . . . . .	067, 473
<b>Directories; Transmission Test Line</b> . . . . .	302	<b>Enclosures; Public Telephone</b> . . . . .	508
<b>Directory Tables (Public Telephone Enclosure)</b> . . . . .	508	<b>Engine—Alternators</b> . . . . .	155
<b>Dispatching Service—508A PBX</b> . . . . .	473	<b>Engine Cooling Systems; Reserve</b> . . . . .	065
<b>Display Data Set F-58167 for Use With PICTUREPHONE</b> . . . . .	593	<b>Engineering Administrative Practices</b> . . . . .	790
<b>Display Terminal; Communication (CDT)</b> . . . . .	578	<b>Engineering and Administrative Data Acquisition   System (EADAS)</b> . . . . .	190
<b>Distributing Frames</b> . . . . .	201	<b>Engineering Complaint Procedures</b> . . . . .	010
<b>Distributors—Teletypewriter Service</b> . . . . .	034		

\*Trademark.

**SECTION 000-000-001**

**Engineering Information**

Administrative Practices . . . . . 790  
 Alarm Systems . . . . . 801, 865  
 Announcement Systems . . . 801, 814, 818, 819, 820, 821, 852  
 Balance Characteristics . . . . . 873  
 Building (See Building Engineering)  
 Cable (See Outside Plant Engineering)  
 Cable Systems (Data Communication Engineering) . . . 880  
 Carrier-System Application . . . . . 801, 855  
 Civil Air Defense . . . . . 801  
 Channel Banks . . . . . 801  
 Closed Circuit Television Systems (See Outside Plant Engineering)  
 Common Channel Interoffice Signaling (CCIS) . . . 801, 818, 820  
 Common Control Switching Arrangement (CCSA) . . . 851  
 Common Systems and Equipment . . . . . 801  
 Conferencing Arrangements . . . . . 851  
 Corrosion . . . . . 877  
 Crosstalk . . . . . 851, 852, 853, 855  
 Customer Premises Systems . . . . . 809  
 Data Communication . . . . . 880  
 Data System . . . . . 807  
 Dedicated Plant (See Outside Plant Engineering)  
 Earthquake Bracing . . . . . 800  
 Echo Suppressors . . . . . 804, 851, 853  
 Exchange Area Transmission . . . . . 852  
 General Equipment Requirements for Installation and Manufacturing . . . . . 800  
 General Performance Requirements . . . . . 800  
 Inductive Coordination . . . . . 873  
 Lighting . . . . . 802  
 Line Balancing and Delay Equalizing . . . . . 801  
 Loudspeaker Arrangements . . . . . 852  
 Mechanized Transmission—Tools . . . . . 856  
 Mobile Telephone . . . . . 880  
 No. 1 Crossbar Systems . . . . . 816  
 No. 1 and No. 1A Electronic Switching Systems . . . 820  
 No. 1A Processor . . . . . 820  
 No. 101 Electronic Switching System . . . . . 823  
 No. 2, No. 2A, No. 2C, and No. 3 Electronic Switching Systems . . . . . 820  
 No. 3, No. 5, and No. 5A Crossbar Systems . . . . . 819  
 No. 300 Series Switching Systems . . . . . 811, 812, 851  
 No. 4 Electronic Switching Systems . . . . . 820  
 No. 4 Type Toll Switching Systems . . . . . 818  
 Noise . . . . . 870  
 Operations Support Systems—Examples, ADRS, ADTS, CAROT, CMS, CTMS, SCC, SCOTS, TASC . . . . . 824  
 Operator Services Transmission . . . . . 852  
 Operator Training Equipment . . . . . 821  
 Outside Plant (See Outside Plant Engineering)  
 Paging Systems . . . . . 852  
 Panel Systems . . . . . 815  
 PICTUREPHONE Service Transmission . . . . . 860  
 Planning; Technical (Area, Network, Facility, Structure) . . . . . 781  
 Pole Lines (See Outside Plant Engineering)  
 Power Systems and Plants . . . . . 802  
 Private Branch Exchange (PBX) Systems . . . . . 809  
 Program . . . . . 857  
 Protection—Electrical . . . . . 876  
 Protection Switching . . . . . 804, 940  
 Radio (Also see Radio Engineering) . . . . . 801, 806, 940

Repeaters . . . . . 801, 804, 807, 814, 851, 852, 857  
 Signaling . . . . . 801, 804, 807  
 Special Services Systems—Switched and Nonswitched . . . 851  
 Station Systems—Key . . . . . 812  
 Step-by-Step Systems . . . . . 814  
 Submarine (Ocean) Cable . . . . . 802, 804  
 Subscriber Plant Design . . . . . 860  
 Supply Data System—Waveguide, Impedance, and Propagation Data . . . . . 874  
 Tandem Crossbar Systems . . . . . 817  
 Telephone Warning Systems . . . . . 811  
 Television . . . . . 806, 857  
 Toll Systems—Program Transmission, Radio Telephone, Microwave Radio, and Carrier . . . . . 804  
 Toll Transmission . . . . . 853  
 TOUCH-TONE® Calling . . . . . 801, 809  
 Traffic Management Systems—EADAS, Service Observing . . . . . 822  
 Traffic Service Systems—AIS, TSPS . . . . . 821  
 Transmission—Long Route, Resistance, Unigauge Design . . 902  
 Transmission Maintenance Systems—Examples, CAROT, CTMS, E Telemetry, OTTS, TASC, TCAS . . . . . 865  
**Engine Fuel** . . . . . 065  
**Engines** . . . . . 159  
**Enhanced Private Switch Communications Service (EPSCS)** . . . . . 309  
**Entrance Links; Wire Line** . . . . . 357  
**Environmental Protection** . . . . . 010  
**Equalization of Program and Wired Music Circuits** . . . . . 320  
**Equalizers**  
     Envelope Delay Characteristics . . . . . 314  
     Program Circuits . . . . . 320  
**Equipment and Billing Accuracy Control (EBAC)** . . . . . 190  
**Equipment on Customer Premises—General Descriptive Information** . . . . . 981  
**Exhauster Sets** . . . . . 161  
**Extension Cords** . . . . . 065  
**Extension Lamps** . . . . . 065

**F**

**FADS** . . . . . 476  
**Fans** . . . . . 161, 508  
**Farm Interphone** . . . . . 512  
**Fasteners**  
     Masonry . . . . . 080  
     Public Telephone Enclosure . . . . . 508  
**Federal Aviation Agency (FAA)** . . . . . 310  
     Private Line Data Systems . . . . . 314  
**Federal Communications Commission (FCC)** . . . . . 400  
**Federal Microwave Radio** . . . . . 408  
**Federal Telecommunications Services** . . . . . 310  
**Feeder; Battery**  
     Customer Equipment . . . . . 460  
     Distributing Frames (Central Office) . . . . . 201  
**Field Installation; Teletypewriter** . . . . . 579  
**Field Maintenance; Teletypewriter** . . . . . 579  
**Filament Supplies** . . . . . 169  
**Filters**  
     Station Set Components . . . . . 501  
**Fire Alarm Circuits** . . . . . 201  
**Fire Fighting** . . . . . 010  
**First Aid** . . . . . 010



**SECTION 000-000-001**

<b>Lettering and Numbering</b>	069
<b>Lighting Fixture; Emergency</b>	065
<b>Line Concentrators</b>	067, 167
General Descriptive Information	951
Outside Plant	639
<b>Lines</b>	
Pole	621
Specially-Engineered	529
Transmission Test	163
<b>Line Terminations; Private</b>	480
<b>L Multiplex Terminal Equipment; Analog</b>	
JMX	356
LMX-1	356
LMX-2	356
LMX-3	356
LMX Wideband Modem	356
MGT	356
MMX-1	356
MMX-2	356
<b>Local Test Cabinets</b>	662
<b>Local Test Desks</b>	662
<b>Loop Checker Generator</b>	103
<b>Loop Test Frame (LTF)</b>	662
<b>Loudspeaker Sets</b>	463
<b>L-Type Carrier Systems</b>	
L1	358
L3	359
L4 and L4S	359
L5	359
Maintenance Center Tests—L1 and L3	360
<b>Lubricants</b>	065
<b>M</b>	
<b>Magnetic Switches</b>	026
<b>Magneto Sets—Special Usage</b>	510
<b>Main Frame Connectors</b>	636
<b>Main Frame Terminations</b>	636
<b>Maintenance Center</b>	
L1 and L3 Type Carrier	360
N, O, and ON Type Carrier	361
TD-2 Microwave Radio	410
TD-3 Microwave Radio	420
TH-1 Microwave Radio	412
TH-3 Microwave Radio	411
<b>Maintenance Check; Coin Telephone</b>	506
<b>Management Information Systems ACD-ESS</b>	533
<b>Manholes</b>	622
Gases	620
<b>Manual and Dial PBX</b>	534
<b>Manual Mobile Radio</b>	404
<b>Manual PBX Switchboards</b>	534
<b>Maritime Radio</b>	
Coastal Harbor	403
High Seas	403
Overseas	403
<b>Mastergroup Equipment</b>	
MMX-1	356
MMX-2	356
<b>Material Returns</b>	745
<b>Materials</b>	
Customer Equipment	080

Outside Plant	081
Power	065
<b>Message Waiting Service (Customer Equipment)</b>	473
<b>Meters</b>	
Catalog Information	084
Common Usage—Maintenance, Selection, and Use	100
Power	102
Radio	104
Switching Systems	102
<b>Microfilm System</b>	006
<b>Microwave Antennas</b>	402
<b>Microwave Radio Auxiliary Channel; Narrowband</b>	408
<b>Microwave Radio</b>	
Common Equipment	420
Federal	408
Motorola	408
RCA	408
REL	408
TD-2	410
TD-3	411
TD-3D	415
TE	409
TH-1	412
TH-3	413
TJ or TJ/TM-1	409
TL-1	409
TL-2 and TM-1	409
TM-2/TM-2A	409
TN-1	410
Transmission Systems	422
<b>Milliwatt Distributing Systems</b>	103
<b>Milliwatt Reference Generator</b>	103
<b>Minicomputer</b>	190
<b>Miscellaneous Power Circuits and Equipment</b>	171
<b>Mobile Radio</b>	
Manual	404
MJ	405
MK	405
ML	405
Private	405
<b>Modular Station Sets (Common Battery)</b>	503
<b>Motor Generators</b>	155
Administrative Information	720
Body and Chassis	720
Construction Equipment	720
Engines	720
Fleet Maintenance	720
Information Management System	720
Safety	720
<b>Motorola Microwave Radio</b>	408
<b>Motors</b>	159
Blower	161
<b>Mountings (Station Equipment)</b>	501
Apparatus	463
Dial	501
Key	512
<b>Multiple Brushes and Rods—Panel Offices</b>	026
<b>Multiple Sender for Teletypewriter Test Signals</b>	103
<b>Multiple Wire</b>	
C Rural Wire	624
Maintenance	624

Placing	624
Wire Terminals	624
Multiplex Terminal Equipment; Analog	356

## N

<b>Narrowband Microwave Radio Auxiliary Channel</b>	408
<b>Network Operations Methods</b>	780
<b>Network Service Center (NSC)</b>	190
<b>Networks</b>	
Precision Balancing	332
Switched Services	309
Terminating	103
Test	103
<b>N, O, and ON Type Carrier Systems</b>	362
<b>No. 1 and No. 1A Electronic Switching Systems (ESS)</b>	231
General Descriptive Information	966
<b>No. 1 Crossbar</b>	216
<b>No. 1, 3, 5, and 6 Toll Offices</b>	211
<b>No. 1, 3, 5, and 6 Toll Switchboards</b>	211
<b>No. 1A; Stored Program Control</b>	254
<b>No. 101 Electronic Switching System (ESS)</b>	240
General Descriptive Information	966
<b>No. 2 Electronic Switching System (ESS)</b>	232
General Descriptive Information	966
<b>No. 3 Crossbar</b>	218
<b>No. 3 Electronic Switching System (ESS)</b>	233
General Descriptive Information	966
<b>No. 300 Series Switching Systems (Customer Equipment)</b>	480
General Descriptive Information	981
<b>No. 4 Crossbar</b>	212
<b>No. 4 Electronic Switching System (ESS)</b>	234
<b>No. 4A and 4M Toll Switching</b>	212
<b>No. 400 Switching System (Customer Equipment)</b>	518
General Descriptive Information	981
<b>No. 5 and No. 5A Crossbar</b>	218
General Descriptive Information (No. 5 Crossbar)	958
<b>No. 6A Teletypewriter Switchboards</b>	211
<b>Noise Generator</b>	103
<b>Noise; Inductive</b>	500
<b>Noise Measurements</b>	
Central Office	331
Impulse	331
Message Circuit	331
PBX Lines	331
Subscriber Loops	331
<b>Noise Measuring Sets</b>	103
<b>Noise Measuring Systems</b>	103
<b>Nonswitched Special Services System</b>	310
<b>Non-Western Electric Microwave Radio</b>	408
<b>Number Cards and Strips—Station Set Components</b>	501
<b>Numbering and Lettering</b>	069
<b>Numbering Machine</b>	080

## O

## Offices

Community Dial	225, 226
<i>General Descriptive Information</i>	955
Crossbar Tandem	220
No. 1 Crossbar	216
No. 1, 3, 5, and 6 Toll	211
No. 3 Crossbar	218

No. 5 and 5A Crossbar	218
<i>General Descriptive Information</i>	955
Panel	215
Step-by-Step	225, 226, 227
<b>Oils</b>	065
<b>Open Wire</b>	623
<b>Open Wire Testing and Trouble Location Methods</b>	330
<b>Operation Methods; Network</b>	780
<b>Operations Support Systems</b>	190
General Descriptive Information	951
<b>Operator Chairs</b>	065
<b>Order Turrets (Customer Equipment)</b>	475
<b>Order Wire Circuits</b>	201
<b>Oscillators</b>	
Radio	104
Others	103
<b>Oscilloscopes</b>	100, 103, 104
<b>Outdoor Waveguide</b>	402
<b>Outside Plant</b>	
Aerial Railroad Crossings	620
Brush Spraying	620
Carrier Apparatus	640
Clearances	620
Concentrators	639
Construction Equipment	649
Electrolysis	635
Precautions	620
Tree Pruning	620
<b>Outside Plant Engineering</b>	
Facility Design	
Aerial Cable	917, 919
Aerial Wire Considerations	919
Applied Protection	918
Building Cable	917
Buried Cable	917
Buried Plant Toll Cable Routes	920
Cable Design	920
Connect Through Plan	915
Customer Pair Gain Devices	915
Dedicated Outside Plant	915
Distribution Facilities	917
Feeder Facilities	916
Manholes	919
Pole Lines	919
Rehabilitation (Distribution Facilities)	917
Serving Area Concept	915
Special Outside Plant Systems	
Closed Circuit Television (CCTV)	915
Coaxial Cable Television	915
Coaxial Cable Video Transmission	915
Rural	915
U-1 Carrier	915
Trunk Facilities	920
Underground Conduit	919
Wire	917
Wire and Cable Spans	919
Facility Planning	
Analysis Plans	902
Cable Pressurization	901
Carrier Planning	901
Loop Carrier	901
Cost Studies	901
Feeder Cable Relief	901





## SECTION 000-000-001

<b>Repeaters</b>			
Combined Transmission and Signaling	332		
L Carrier Type	359		
Mechanical Telegraph	312		
Negative Impedance	332		
N, O, and ON Types	362		
Maintenance Center Test	361		
Portable Microwave	420		
Regenerative—Telegraph	312		
Regenerative—Teletypewriter Service	034		
Voice Frequency Telephone	332		
Wideband Loop	314		
<b>Repeater Test Sets; Voice Frequency Telephone</b>	103		
<b>Reporting Systems; Emergency (Customer Equipment)</b>	473		
<b>Rescue</b>	010		
<b>Reserve Engine Cooling Systems</b>	065		
<b>Resistors</b>	032		
<b>Restoration; Broadband</b>	371		
<b>Restrictions; Dial—Key Telephone Set</b>	500		
<b>Restrictions of Plant Activities</b>	010		
<b>Return Loss Test Sets</b>	103		
<b>Rheostats</b>	028		
<b>Ringers</b>	028		
<b>Ringin Feeders (Customer Equipment)</b>	460		
<b>Ringin Generators</b>	155		
<b>Ringin Machines</b>	163		
<b>Ringin Power Plants</b>	167		
<b>S</b>			
<b>SAC (Strategic Air Command)</b>			
Air-Ground Radio System	406		
Main Operating Base Turret	480		
General Descriptive Information	981		
Primary Alerting System	310		
<b>Safety Precautions</b>	010		
<b>SAGE</b>			
Data Transmission Systems	314		
General Descriptive Information	981		
Station Equipment	480		
<b>School-to-Home Interphone Systems</b>	512		
<b>Selective Calling Systems</b>			
Teletypewriter	581		
1A High Speed	592		
<b>Selective Signaling Systems</b>	480		
General Descriptive Information	982		
<b>Selector Consoles</b>	504		
<b>Selectors</b>	026		
<b>Self-Supporting Cable</b>	627		
<b>Sequence Switches</b>	030		
<b>Serviceboards; Telegraph</b>	666		
<b>Service Evaluating System (SES)</b>	252, 254		
<b>Service Observing (See Specific Application)</b>			
<b>Service Observing Desks</b>	210		
General Descriptive Information	953		
<b>Service Protection</b>			
Customer Equipment	460		
Intra-PBX	473		
<b>Shelves (Public Telephone Enclosure)</b>	508		
<b>Signal Converter Alloter</b>	252, 254		
<b>Signal Generators</b>			
Radio	104		
Other	103		
<b>Signaling Systems</b>			
Compatibility Considerations	179		
General Descriptive Information	975		
Selective	480		
General Descriptive Information	982		
Signaling Circuits	179		
<b>Singing Point Test Sets</b>	103		
<b>Skinning Cross Connection Wire</b>	069		
<b>Sockets</b>	032		
<b>Solder Connections</b>	069		
<b>Soldering Strap Wires—Relays/Switches</b>	069		
<b>Solderless Connectors</b>	069		
<b>Sounders</b>	028		
<b>Speakerphone and Speaker System</b>	512		
<b>Special Service Systems</b>			
Nonswitched	310		
Switched	311		
Other	471		
<b>Speed Reduction Units</b>	161		
<b>Splice Closures</b>			
Maintenance	633		
Splice Cases and Submarine Cable Closure	633		
Types 2, 3, and 4 Closures	633		
Wrapped, Insulated, and Special Closures	633		
<b>Stamping (Lettering and Numbering)</b>	069		
<b>Starters</b>	026		
<b>Station Apparatus and Equipment for Specially-Engineered Lines</b>	529		
<b>Station Converters</b>	570		
<b>Station Keys</b>	512		
<b>Station Set Components (Customer Equipment)</b>	501		
<b>Station Sets</b>			
Common Battery	502		
Coin	506		
Modular	503		
Key Telephone	518		
Local Battery	510		
Magneto	510		
Video	518		
<b>Step-by-Step Offices</b>			
Equipment Common to More Than One Type	226		
General Descriptive Information	955		
Specific Types	225		
<b>Stored Program Control</b>	254		
General Descriptive Information	951		
<b>Strategic Air Command (See SAC)</b>			
<b>Submarine Cable</b>	630		
<b>Subscriber Carrier Systems</b>			
Analog	363		
Digital	363		
P-Type	363		
Single-Channel	363		
<b>Subscriber Sets</b>			
Common Battery	502		
Local Battery	510		
Magneto	510		
<b>Supervisor Chairs</b>	065		
<b>Supplies</b>			
Claims and Complaints	746		
Controls	742, 743		
Distribution	744		
Material Returns	745		



SECTION 000-000-001

<b>Telegraph Systems (See Private Line Data Systems and Services)</b>		<b>Television Systems</b>	318
<b>Telegraph Test Equipment</b>	103	<b>TE Microwave Radio</b>	409
<b>Telemetry</b>	201	<b>Terminals</b>	
Test Equipment	103	Cable	631
<b>Telephone</b>		Communications Display (CDT)	578
Answering Sets	514	FM [See FM Terminals (Microwave)]	
Answering Systems	473	Multiplex; Analog	356
Booths	508	Printing	578
Consoles	504, 533	Station Sets—Common Battery	502
Power Plants	167	<b>Terminating Sets; 4-Wire</b>	332
Repeaters (Voice Frequency)	332	<b>Terminations</b>	
Test Sets	103	Main Frame	636
<b>Telephone Sets</b>		Private Line	480
Attendant	028	<b>Termination Units—Station Components</b>	501
Automatic Dialers	503	<b>Testboards</b>	
Bases	502	For Special Services	
Coin	506	Private Line	666
Components	501	Telegraph	666
Customer-Owned Enclosure	501	TWX	666
Desk, Wall, and Panel Types	503	17E	666
Hand	502	19A	666
Head	028	21A	666
Key	518	For Other Than Special Services	
Operator	028	Tandem Patching Bay	664
Specially Engineered Lines	529	17B	664
Stations (See Station Sets)		17C	664
Other	502	18B	664
<b>Telephone Warning System</b>	480	23A and B	664
General Descriptive Information	981	<b>Test Center Operation</b>	
<b>Telephotography</b>	314	Automated Repair Service Bureau	660
<b>Teletrainer</b>	473	Cable and Open-Wire Plant	660
<b>Teletypewriter</b>		Customer Telephone Stations and Lines	660
Auxiliary Equipment	570	Special Services	660
Cabinets and Tables	570	Trunk Maintenance	660
Cam-Operated Distributors	570	<b>Test Desk</b>	
Codes, Selecting	570	Cable	662
Codomat	570	Local	662
Converters, Station	570	<b>Test Equipment</b>	
DATASPEED Services	582	Data Systems	107
Field Installation Practices	579	Outside Plant	106
Field Maintenance Practices	579	PBX	105
Line Equipment	570	Power	102
Miscellaneous Apparatus	570	Radio	104
Motors and Motor Units	570	Station	105
Multiple Transmitter Units and Bases	570	Switching System	102
Pushbutton Data Generator	570	Telegraph	103
Selective Calling Systems	581	Telemetry	103
Selector Magnet Driver	570	Teletypewriter	107
Station Converters	570	Transmission	103
Switchboards	211	<b>Test Equipment (Common Usage)</b>	
Switching Systems	580	Electrical Indicating Instruments	100
Tape Preparation Arrangements	570	Electron Tube Test Sets	100
Tape Splicers	570	Meters	100
Test Distributor	103	Network	100, 103
Test Equipment	107	Oscillographs	100
Timers	570	Oscilloscopes	100
Winders, Unwinders, and Rewinders	570	Pulsing Test Sets	100
Word Counters	570	Signaling Test Sets	100
14, 15, 19, and 20 Types	572	Test Panels	100
28 Type	573	Test Sets for Timing	100
30 Series	574	Wheatstone Bridge	100
43 Teleprinter	574	<b>Test Position (51A)</b>	234
		<b>Test Positions for Special Services</b>	666

TH-1 Microwave Radio	412	Transmission Measuring Systems	103
TH-3 Microwave Radio	413	Automatic (ATMS)	103
Thermistors	032	Transmission Noise Testing—Central Office PBX	
Ticketers	030	Customer Lines	331
Timers	030	Transmission Performance Measurement Plans	301
Time Stamp	030	Transmission Systems	
Timing Circuits	201	Analog Data	314
Timing Switches	030	Carrier Frequency (See Carrier Systems)	
TIRKS (Trunk Integrated Records Keeping Systems)	756	Digital	365
TJ Microwave Radio	409	Digital Data	314
TL Microwave Radio	409	Microwave Radio (See Radio)	
TM Microwave Radio	409	Program	320
TN Microwave Radio	416	Transmission Test Equipment	103
Toll Cable Transmission Data	304	Transmission Test Line Directories	302
Toll Conference Grouping Circuits	332	Transmission Test Lines	103
Toll Offices No. 1, 3, 5, and 6	211	Transmitters	
Toll Switchboards No. 1, 3, 5, and 6	211	Headset	028
Toll Switching Systems No. 4 Type	212	Speakerphone	512
Tone Alternators	155	Station	501
Tone Machines	155	Transmitter Transfer Unit—Customer Equipment	473
Tone Supply Circuits	201	Trip Rods—Panel Offices	026
Tools		Trunk and Facilities Maintenance System (TFMS)	103
Catalog Information	074	Trunk Outage Results Plan	660
Tools and Materials		Tube Cooling System	161
Common Usage	075	Tube Rectifier Inverter; Regulated	161
Customer Equipment	080	Tubes; Electron	024
Outside Plant	081	Station Component	501
Power	076	Turbine Alternators; Gas	155
Switching Systems	076	TV Off-the-Air Pick-Up Services	408
TOUCH-TONE Calling	951	TWX Testboards	666
Towers	760		
Traffic Management Systems	252		U
General Descriptive Information	984	Underground Cable	628
Traffic Service Position (No. 1) (OA)	220	Universal Wire Line Entrance Link	357
Traffic Service Systems		Upkeep—Outside Plant	
Automatic Intercept Systems (AIS)	250	Cable	644, 930
General Descriptive Information	984	Pole Line	930
Information Desks	250	Structures	644
Position Trunk and Control Circuit	250	Urban Wire Transmission Data	304
Service Assistant Console Control	250	U1 Carrier—General Descriptive Information	970
Traffic Service Position System No. 1	250		
Traffic Usage Recorder	252		V
Transaction Network	230	Vacuum Cleaners	075
Transformers—Station Set Components	501	Vacuum Tube Microphonic Noise Tests	320
Transistors	032	Varistors	032
Translators	034	Vaults; Cable	622
Transmission Data		Vehicles; Motor	720
Cable	304	Ventilating Equipment	161
Circuit Junction Loss	304	Ventilators; Public Telephone Enclosure	508
Crosstalk	304	VHF/UHF Antennas	402
Equipment	304	Video Telephone Stations	518
Insertion Loss	304	Video Test Sets	103
Multiple Wire	304	Visual Delay Test Sets	104
Open Wire	304	Voice-Controlled Switch	463
Reflection Loss	304	Voice-Frequency	
Return Loss	304	Consolidated Equipment Arrangements	332
Systems	304	Telephone Repeaters	332
Transducer Loss	304	Telephone Repeater Test Sets	103
Transmission Lines (Radio)	402	Transmission Measuring Sets	103
Transmission Measuring Sets			
Carrier-Frequency	103		
Voice-Frequency	103		

**SECTION 000-000-001**

**W**

<b>Walk-Up Public Telephone Enclosure</b> . . . . .	508
<b>Warning System</b>	
Civil Defense . . . . .	480
General Descriptive Information . . . . .	981
1A Telephone . . . . .	480
<b>Waveguide (Outdoor)</b> . . . . .	402
<b>Waveguide Pressure Systems</b> . . . . .	161
<b>Wheatstone Bridge</b> . . . . .	100
<b>Wideband Data Transmission Systems</b> . . . . .	314
<b>Wideband Oscillator</b> . . . . .	103
<b>Wire</b>	
Buried . . . . .	629
Drop and Block . . . . .	462

Inside . . . . .	461
Multiple Line . . . . .	624
Open . . . . .	623
Other . . . . .	069
<b>Wire Line Entrance Links</b> . . . . .	357
<b>Wire Regulators; Pilot</b> . . . . .	332
<b>Wiring and Cabling (Customer Equipment)</b>	
Conduits, Raceways, and Overfloor Ducts . . . . .	461
Connecting and Matrix Blocks . . . . .	461
Inside Wire and Inside Wire Cable . . . . .	461
Jacks . . . . .	461
Plugs . . . . .	461
Terminals . . . . .	461
<b>Wiring Diagrams</b> . . . . .	005
<b>Wiring Symbols</b> . . . . .	005