

**WIDEBAND, ASSOCIATED AUDIO,
AND MAINTENANCE TRUNKS
EQUIPMENT DESIGN REQUIREMENTS
NO. 5 CROSSBAR SYSTEM**

1. GENERAL

Scope

1.01 This specification, together with the supplementary information listed herein, covers the equipment design requirements for the assembly and equipment to be used in the manufacture and installation of the trunks required for wideband service in the No. 5 Crossbar System.

1.02 This specification is reissued:

- (a) To provide information for a new Don't Answer Auxiliary Trunk Unit (J23071EF) for use with phase III centrex wideband service in accordance with SD-27683-01, Issue 6D
- (b) To provide information for a new Dial Transfer Trunk (J23071ES) for use with phase III centrex wideband service in accordance with SD-27688-01, Issue 11D
- (c) To rerate J23071EE Mfr Disc. in accordance with SD-27912-01, Issue 6D
- (d) To rerate J23071AB Mfr Disc. in accordance with SD-27914-01, Issue 5D
- (e) To rerate J23071EH Mfr Disc. in accordance with SD-27915-01, Issue 3D
- (f) To add Note D under J23071KH in accordance with SD-27917-01, Issue 4D
- (g) To rerate J23071AA Mfr Disc. in accordance with SD-27922-01, Issue 5D
- (h) To rerate J23071AD Mfr Disc. in accordance with SD-27923-01, Issue 4D

- (i) To rerate J23071AF Mfr Disc. in accordance with SD-27924-01, Issue 4D
- (j) To rerate J23071EA Mfr Disc. in accordance with SD-27928-01, Issue 3D
- (k) To change Note B under J23071EC and to change list 1 and Note B under J23071ED in accordance with SD-27929-01, Issue 4A.
- (l) To provide information on a new intraoffice trunk circuit (SD-27932-01) which is arranged into two trunk units (J23071EM and J23071EW) for use in offices equipped with phase III centrex or offices not equipped with phase III centrex in accordance with SD-27932-01, Issue 1.
- (m) To provide information on a new audio 2-way 900 Ω trunk circuit for use with wideband 2-way 900 Ω trunk circuit SD-27934-01. Trunk circuit SD-27933-01 is arranged in two units (J23071EL and J23071EY) for use in offices equipped with phase III centrex or offices not equipped with phase III centrex in accordance with SD-27933-01, Issue 1.
- (n) To provide information on a new wideband 2-way trunk unit (J23071AG) with optional transfer in accordance with SD-27934-01, Issue 1.
- (o) To provide information on a new wideband dial transfer trunk (J23071AL) in accordance with SD-27935-01, Issue 1.
- (p) To provide information on a new wideband intraoffice trunk unit (J23071AH) with optional transfer in accordance with SD-27936-01, Issue 1.
- (q) To provide information for a new attendant access trunk unit (J23071EP) in accordance with SD-27937-01, Issue 1.

(r) To add reference to centrex wideband attendant access trunk (J23071AP) in accordance with SD-27938-01, Issue 1.

(s) To provide information on a new toll switching tandem trunk circuit (SD-27950-01) which is arranged into two trunk units (J23071EN and J23071EU) for use in offices equipped with phase III centrex or offices not equipped with phase III centrex in accordance with SD-27950-01, Issue 1.

(t) To provide information on a new wideband recording completing, vacant code intercepting, inward operator, or TX trunk unit (J23071AK) with optional transfer in accordance with SD-27951-01, Issue 1.

(u) To provide information on a new wideband delayed call unit (J23071AJ) with optional transfer in accordance with SD-27952-01, Issue 1.

(v) To provide information on a new phase III centrex attendant trunk unit (J23071ET) for dial zero calls in accordance with SD-27953-01, Issue 1.

(w) To provide information for a new phase III centrex wideband attendant trunk unit for dial '0' calls (J23071AM) in accordance with SD-27954-01, Issue 1.

(x) To provide information on a new phase III centrex wideband attendant trunk (J23071ER) in accordance with SD-27955-01, Issue 1.

(y) To provide information on a new phase III centrex wideband attendant trunk (J23071AN) in accordance with SD-27956-01, Issue 1.

Description

1.03 The equipment listed herein provides for the various trunks required for wideband service. These trunks are designed to be mounted on the wideband trunk link frame, the wideband remote switch frame, and standard trunk relay rack frames and are divided into three categories:

- (1) wideband trunks,
- (2) associated audio trunks, and
- (3) maintenance trunks.

Wideband Trunks

1.04 This category includes only the wideband service trunks. These trunks carry the high frequency (01 MHz) portion of wideband service. Some of the wideband trunks are designed to be mounted on the wideband trunk link frame and some are designed to be mounted on the wideband remote switch frame. Wideband trunks are multiple circuit units on 34-5/8 inch mounting plates. These trunk units have terminal strips at both ends of the mounting plate and are wired with a combination of surface wire and a unit local cable. Wideband trunks are to be mounted on the wideband trunk link frame as specified in J27459 and on the wideband remote switch frame in accordance with J99231.

Associated Audio Trunks

1.05 This category of trunks switches the audio frequency portion of wideband calls and provides the control functions for the wideband trunks. Audio trunks for wideband service are similar to present audio trunks. They are surface-wired units on 23-inch mounting plates and are to be mounted on standard trunk relay rack frames as specified in J23064.

Maintenance Trunks

1.06 This category of trunks includes both wideband and their associated audio maintenance trunks. The design of these units is either the same as that described under 1.04 and 1.05 or a combination of both. Wideband maintenance trunks are mounted on the wideband trunk link frame as specified in J27459, on the wideband remote switch frame as specified in J99231, and on standard relay rack frames as specified in J23064.

1.07 Cross-connections between the wideband trunks and other equipment and apparatus on the wideband trunk link frame are made between the trunk unit terminal strips and cross-connection fields of terminal strips located in the middle of the trunk bay of the wideband trunk link frame. These are loose-wired connections and are made as specified by the telephone company.

1.08 Each trunk has two suffix letters assigned to its basic J number (J23071). The first of these letters indicates to which category the trunk belongs. The second letter is assigned in

alphabetical sequence to each individual trunk within a category. Suffix letters are assigned in accordance with the following table:

WIDEBAND TRUNKS	ASSOCIATED AUDIO TRUNKS	MAINTENANCE TRUNKS
AA through DY	EA through HY JA through JY	KA through NY PA through PY

Subdivisions of Equipment and Detailed Index

WECo J drawings should be ordered by referring to the prefix and base number and requesting the current dash (—) number.

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLT PER UNIT
WIDEBAND TRUNKS						
J23071AC	AT&TCO Std	Unit for Two Wide- band Junctor Circuits for Installation in Wideband Trunk Link Frame	J23071AG-()	SD-27916-01	2	1
J23071AE	AT&TCO Std	Unit for Eight Wide- band Intraremote Trunks for Installa- tion in Remote Switch Unit	J23071AE-()	SD-27923-01	8	2
J23071AG	AT&TCO Std	Unit for Three Wide- band 2-Way Trunks for Installation in Wide- band Trunk Link Frame — for Exchange, Tandem, Toll Connecting or Intertoll Use — with or without Phase III Centrex Service	J23071AG-()	SD-27934-01	3	2
J23071AH	AT&TCO Std	Unit for Two Wide- band Intraoffice Trunks for Installation in Wideband Trunk Link Frame — with or with- out Phase III Centrex Service	J23071AH-()	SD-27936-01	2	1

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLT PER UNIT	
WIDEBAND TRUNKS (Cont)							
J23071AJ	AT&TCo Std	Unit for One Wide- band Delayed Call Trunk for Installation in Wideband Trunk Link Frame — Arranged for Local and Tandem Com- pletion — with or without Phase III Centrex Service	J23071AJ-()	SD-27952-01	1	1	
J23071AK	AT&TCo Std	Unit for One Wide- band RC, VC, INW ORR, or TX Trunk for Installation in Wide- band Trunk Link Frame — with or without Phase III Centrex Service	J23071AK-()	SD-27951-01	1	1	
J23071AL	AT&TCo Std	Unit for Three Wide- band Dial Transfer Trunks for Installation in Wideband Trunk Link Frame — for Use with Phase III Centrex Service	J23071AL-()	SD-27935-01	3	1	
J23071AM	AT&TCo Std	Unit for Two Wide- band ATND Trunks for Dial Zero Calls — for Installation in Wide- band Trunk Link Frame	J23071AM-()	SD-27954-01	2	2	
J23071AN	AT&TCo Std	Wideband Attendant Trunk Unit — for Transfer and Listed Directory Number Calls	J23071AN-()	SD-27956-01	2	1	
J23071AP	AT&TCo Std	Wideband Attendant Access Trunk Unit	J23071AP-()	SD-27938-01	2	1	
ASSOCIATED AUDIO TRUNKS							
J23071EB	AT&TCo Std	Toll Switching Tandem Trunk Unit for Com- pleting Calls to Calling Station	J23071EB-()	SD-27927-01	2	5	

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLT PER UNIT
ASSOCIATED AUDIO TRUNKS (Cont)						
J23071EC	AT&TCo Std	Unit for One RC or VC Trunk Arranged for Local and Tandem Completion, High-Low- Reverse Battery, or E and M Lead Super- vision to Distant Toll Switchboard for Wide- band Service	J23071EC-()	SD-27929-01	1	3
J23071ED	AT&TCo Std	Unit for One INW OPR or TX Trunk Arrangement for Local and Tandem Comple- tion, High-Low-Reverse Battery, or E and M Lead Supervision to Distant Switchboard for Wideband Service	J23071ED-()	SD-27929-01	1	2
J23071EF	AT&TCo Std	Don't Answer Auxiliary Trunk Unit Arranged for Phase III Centrex Wideband Service	J23071EF-()	SD-27683-01	2	1
J23071EG	AT&TCo Std	Unit for One IAO Trunk — Wideband Service for Use With Remote Switching Unit	J23071EG-()	SD-26060-01	1	2
J23071EJ	AT&TCo Std	Two-Way Line Unit for Line Link Pulsing for Use With Wide- band Service	J23071EJ-()	SD-27913-01	1	4
J23071EK	AT&TCo Std	Unit for One No. 5 Crossbar System Junc- tor Circuit for Comple- tion to LLP Circuits — AMA — Wideband Service	J23071EK-()	SD-27725-01	1	3
J23071EL	AT&TCo Std	Trk Ckt or Int Trk Ckt 2-way 900 Ω Exch, Tdm, Toll Conn or Intertoll in Wideband Svc with Phase III Cntx E&M Sup In & Out — R B Sup Through Switches	J23071EL-()	SD-27933-01	1	7

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLT PER UNIT	
ASSOCIATED AUDIO TRUNKS (Cont)							
J23071EM	AT&TCo Std	Intraoffice Trunk Unit for Wideband Service with Phase III Centrex	J23071EM-()	SD-27932-01	1	3	
J23071EN	AT&TCo Std	Toll Sw Tdm Trk Unit to Complete Calls to Called Station for WB Svc with Phase III Cntx	J23071EN-()	SD-27950-01	1	6	
J23071EP	AT&TCo Std	Unit for One Phase III Centrex Attendant Ac- cess Trunk for Wide- band Service	J23071EP-()	SD-27937-01	1	3	
J23071ER	AT&TCo Std	Unit for One Phase III Centrex Attendant Trunk Arranged for Listed Directory Num- ber and Transfer Calls — Direct Key Terminated — for Wideband Service	J23071ER-()	SD-27955-01	1	5	
J23071ES	AT&TCo Std	Unit for One Dial Transfer Trunk for Use With Phase III Centrex — Wideband Service	J23071ES-()	SD-27688-01	1	7	
J23071ET	AT&TCo Std	Unit for One Phase III Centrex Attendant Trunk Arranged for Dial Zero Calls — Direct Key Termi- nated — for Wideband Service	J23071ET-()	SD-27953-01	1	5 (See Note B)	
J23071EU	AT&TCo Std	Toll Sw Tdm Trk Unit to Complete Calls to Called Stations for WB Svc	J23071EU-()	SD-27950-01	1	4	
J23071EW	AT&TCo Std	Intraoffice Trunk Unit for Wideband Service	J23071EM-()	SD-27932-01	1	2	

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLT PER UNIT
J23071EY	AT&TCo Std	Trk Ckt or Int Trk Ckt 2-way 900 Ω Exch, Tdm Toll Conn or Intertoll in Wideband Svc E&M Sup In & Out — R B Sup Through Switches	J23071EY-()	SD-27933-01	1	6
MAINTENANCE TRUNKS						
J23071KC	AT&TCo Std	Unit for Two Station Video Test Trunks	J23071KC-()	SD-27919-01	2	4
J23071KD	AT&TCo Std	Unit for One Code 103 Test Trunk for Use With Wideband Code 103 Test Trunk Unit	J23071KD-()	SD-27795-01	1	2
J23071KE	AT&TCo Std	Unit for One Test Trunk From a No. 23A Testboard to Line Link and Trunk Link Frame for Testing Wideband Trunks	J23071KE-()	SD-27920-01	1	3
J23071KF	AT&TCo Std	Unit for One Wideband Test Trunk — Audio Part — For Use From Local Test Desk No. 15A to Trunk Link Frame for Testing Wideband Stations	J23071KF-()	SD-27925-01	1	2
J23071KG	AT&TCo Std	Unit for One Wideband Remote Switch Termi- nating Test Line	J23071KG-()	SD-27930-01	1	1
J23071KH	AT&TCo Std	Unit for Wiedband No. 15A LTD Test Trunk and Wideband Station Video Test Trunk	J23071KH-()	SD-27917-01 SD-27926-01	—	1
J23071KJ	AT&TCo Std	Unit for One Wideband Test Trunk — Code 101 and Code 103 Test Trunks	J23071KJ-()	SD-27911-01 SD-27918-01	2	1

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLT PER UNIT
MAINTENANCE TRUNKS (Cont)						
J23071KK	AT&TCo Std	Unit for Two Wideband Test Trunks From No. 23A Testboard	J23071KK-()	SD-27921-01	2	1
J23071KL	AT&TCo Std	Unit for One Outgoing Trunk With Local or Tandem Completion, Reverse Battery Super- vision — For Use as a Code 101 Test Trunk to No. 23A Testboard or Master Test Frame	J23071KL-()	SD-27910-01	1	3
J23071KM	AT&TCo Std	Unit Arranged for Two Access Test Line Circuit For Use With Wideband Remote Switch	J23071KM-()	SD-27931-01	2	5
J23071KA J23071KB J23071KN through J23071PY	} Reserved					

Circuit Schematic Index

CIRCUIT DRAWING	J23071 EQUIP CODE	CIRCUIT DRAWING	J23071 EQUIP CODE
SD-26060-01	EG	SD-27925-01	KF
SD-27683-01	EF	SD-27926-01	KH
SD-27688-01	ES	SD-27927-01	EB
SD-27725-01	EK	SD-27929-01	EC, ED
SD-27795-01	KD	SD-27930-01	KG
SD-27910-01	KL	SD-27931-01	KM
SD-27911-01	KJ	SD-27934-01	AG
SD-27913-01	EJ	SD-27935-01	AL
SD-27916-01	AC	SD-27936-01	AH
SD-27917-01	KH	SD-27937-01	EP
SD-27918-01	KJ	SD-27938-01	AP
SD-27919-01	KC	SD-27950-01	EN, EU
SD-27920-01	KE	SD-27951-01	AK
SD-27921-01	KK	SD-27952-01	AJ
SD-27923-01	AE	SD-27953-01	ET
		SD-27954-01	AM
		SD-27955-01	ER

2. SUPPLEMENTARY INFORMATION

819-000-000—No. 5 Crossbar System Index
 AA128.006—Checking List—General Equipment Requirements
 J23064—819-601-150—Relay Rack Frames for Trunks and Relay Equipments
 J27459—819-200-153—Wideband Link Frames and Units
 J29259—819-005-150—General Outline—No. 5 Crossbar System
 J29261—819-600-150—General Information and Index Section for Trunk Tables Showing No. 5 Crossbar Trunk Equipments Arranged by Functions and Features
 J99341—AA381.353—Wideband Remote Switch Frame—Common Systems
 J99294—AA388.154—Transistorized Conference Amplifiers and Equipment for Four or Six Simultaneous Connections Common Systems
 ED-27758-70—No. 5 Crossbar Systems—Wideband Distributing Frame

3. DRAWINGS

For additional drawings forming a part of this specification see listings under Subdivisions of Equipment and Detailed Index.

SD-25760-01—Keysheets—No. 5 Crossbar System
 SD-25760-02—Current Drain Data Sheet—No. 5 Crossbar System

4. EQUIPMENT**Wideband Trunks**

J23071AC—AT&TCo Std—Unit for Two Wideband Junctor Circuits for Installation in Wideband Trunk Link Frame

Equipment—J23071AC-()

List 1—Assembly, wiring, and equipment for two wideband junctor circuits per SD-27916-01, two Fig. 1.

J23071AE—AT&TCo Std—Unit for Eight Wideband Intraremote Trunks for Installation in Remote Switch Unit

Equipment—J23071AE-()

List 1—Assembly, equipment, and wiring for eight wideband intraremote trunks per SD-27923-01, eight Fig. 1 and 3.

J23071AG—AT&TCo Std—Unit for Three Wideband 2-Way Trunks for Installation in Wideband Trunk Link Frame—for Exchange, Tandem, Toll Connecting, or Intertoll Use—with or without Phase III Centrex Service

Equipment—J23071AG-()

List 1—Assembly, wiring, and equipment for three wideband 2-way trunks in accordance with SD-27934-01, three Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for phase III centrex service in accordance with SD-27934-01, three Fig. 2.

Notes

A. Reserved.

J23071AH—AT&TCo Std—Unit for Two Wideband Intraoffice Trunks for Installation in Wideband Trunk Link Frame—with or without Phase III Centrex Service

Equipment—J23071AH-()

List 1—Assembly, equipment, and wiring for two wideband intraoffice trunks in accordance with SD-27936-01, two Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for phase III centrex service in accordance with SD-27936-01, two Fig. 2.

Notes

A. Reserved.

J23071AJ—AT&TCo Std—Unit for One Wideband Delayed Call Trunk for Installation in Wideband Trunk Link Frame—Arranged for Local and Tandem Completion—with or without Phase III Centrex Service

Equipment—J23071AJ-()

List 1—Assembly, equipment, and wiring for one wideband delayed call trunk in accordance with SD-27952-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for phase III centrex service in accordance with SD-27952-01, Fig. 2.

Notes

A. Reserved.

J23071AK—AT&TCo Std—Unit for One Wideband RC, VC, INW OPR, or TX Trunk for Installation in Wideband Trunk Link Frame—with or without Phase III Centrex Service

Equipment—J23071AK-()

List 1—Assembly, wiring, and equipment for one wideband RC, VC, INW OPR, or TX trunk in accordance with SD-27951-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for phase III centrex service in accordance with SD-27951-01, Fig. 2.

Notes

A. Reserved.

J23071AL—AT&TCo Std—Unit for Three Wideband Dial Transfer Trunks for Installation in Wideband Trunk Link Frame for Use With Phase III Centrex Service

Equipment—J23071AL-()

List 1—Assembly, wiring, and equipment for three wideband dial transfer trunks in accordance with SD-27935-01, three Fig. 1.

Notes

A. Reserved.

J23071AM—AT&TCo Std—Unit for Two Wideband Attendant Trunks for Dial Zero Calls—for Installation in Wideband Trunk Link Frame

Equipment—J23071AM-()

List 1—Assembly, equipment, and wiring for two wideband attendant trunks for dial zero calls in accordance with SD-27954-01, two Fig. 1.

J23071AN—AT&TCo Std—Unit for Two Wideband Attendant Trunks—for Transfer and Listed Directory Number Calls (for Mounting on Centrex Wideband Console Connector/Trunk Frame)

Equipment—J23071AN-()

List 1—Assembly, equipment, and wiring for two trunks per SD-27956-01, two Fig. 1.

J23071AP—AT&TCo Std—Unit for Two Wideband Attendant Access Trunks (for Mounting on Centrex Wideband Console Connector/Trunk Frame)

Equipment—J23071AP-()

List 1—Assembly, equipment, and wiring for two trunks per SD-27938-01, two Fig. 1.

Associated Audio Trunks

J23071EB—AT&TCo Std—Toll Switching Tandem Trunk Unit for Completing Calls to Calling Station

Equipment—J23071EB-()

List 1—Assembly, wiring, and equipment for two trunk units per SD-27927-01, two Fig. 1. (See Note B.)

List 2—Apparatus and wiring required in addition to list 1 when E and M signaling to switchboard is used per SD-27927-01, two Fig. 2.

List 3—Apparatus and wiring required in addition to list 1 when reverse battery signaling to switchboard is used per SD-27927-01, two Fig. 3.

Notes

A. Reserved.

B. The toll switching tandem trunk circuit for completing calls to the calling station (SD-27927-01) is associated with a toll switching tandem trunk circuit for completing calls to the called station (SD-27928-01). The associated trunks must be associated with the same transistorized amplifier assembly, J99294AB.

- C. Job records need not be maintained for Y and Z options.

J23071EC—AT&TCo Std—Unit for One Recording Completing or Vacant Code Intercepting Trunk Arranged for Local and Tandem Completion, High-Low-Reverse Battery, or E and M Lead Supervision to Distant Toll Switchboard for Wideband Service.

Equipment—J23071EC-()

- List 1**—Assembly, equipment, and wiring for one trunk in accordance with SD-27929-01, Fig. 1 and 4.

- List 2**—Equipment and wiring required in addition to list 1 for use with high-low-reverse battery supervision to switchboard in accordance with SD-27929-01, Fig. 2.

- List 3**—Equipment and wiring required in addition to list 1 for use with E and M supervision to switchboard in accordance with SD-27929-01, Fig. 3.

Notes

- A. Reserved.
- B. Office records need not be maintained for T, V, X, Y, and Z options.
- C. The RC, VC, INW OPR, or TX trunk unit (SD-27929-01) is associated with a toll switching tandem trunk unit for completing calls to the called station (SD-27928-01). These two trunks must be associated with the same transistorized conference amplifier, J99294AB. A transistorized amplifier is mounted on a mounting shelf assembly, J99294B, and shall be located on the same frame as the trunk units.

J23071ED—AT&TCo Std—Unit for One Inw Opr or Outward Delay Trunk Arranged for Local and Tandem Completion, High-Low-Reverse Battery, or E and M Lead Supervision to Distant Toll Switchboard for Wideband Service.

Equipment—J23071ED-()

- List 1**—Assembly, equipment, and wiring for one trunk in accordance with SD-27929-01, Fig. 1 and W option.

- List 2**—Equipment and wiring required in addition to list 1 for use with high-low-reverse battery supervision to switchboard in accordance with SD-27929-1, Fig. 2.

- List 3**—Equipment and wiring required in addition to list 1 for use with E and M supervision to switchboard in accordance with SD-27929-01, Fig. 3.

Notes

- A. Reserved.
- B. Office records need not be maintained for T, V, and Z options.
- C. The RC, VC interception INW OPR, or TX trunk unit (SD-27929-01) is associated with a toll switching tandem trunk unit for completing calls to the called station (SD-27928-01). These two trunks must be associated with the same transistorized conference amplifier, J99294AB. A transistorized amplifier is mounted on a mounting shelf assembly, J99294B, and shall be located on the same frame as the trunk units.

J23071EF—AT&TCo Std—Unit for Two Don't Answer Auxiliary Trunks for Use with Phase III Centrex Wideband Service

Equipment—J23071EF-()

- List 1**—Assembly, wiring, and equipment for two don't answer auxiliary trunks arranged for phase III centrex and wideband service in accordance with SD-27683-01, two Fig. 1.

J23071EG—AT&TCo Std—Unit for One Intraoffice Trunk—Wideband Service for Use With Remote Switching Unit.

Equipment—J23071EG-()

- List 1**—Assembly, equipment, and wiring for one trunk in accordance with SD-26060-01, Fig. 1, with B option, less R and Z options.

J23071EJ—AT&TCo Std—Two-Way Line Unit for Line Link Pulsing for Use With Wideband Service.

Equipment—J23071EJ-()

List 1—Assembly, wiring, and equipment for one 2-way line unit for line link pulsing in accordance with SD-27913-01, Fig. 1, and SD-94820-01, Fig. 2.

List 2—Equipment and wiring required in addition to list 1 when unit is arranged for permanent signal alarm in accordance with SD-27913-01, Fig. 2.

Notes

A. Reserved.

B. Office records need not be maintained for S, V, W, X, and Z options.

J23071EK—AT&TCo Std—Unit for One No. 5 Crossbar System Junctor Circuit for Completion to Line Link Pulsing Circuits—Automatic Message Accounting Wideband Service

Equipment—J23071EK-()

List 1—Assembly, wiring, and equipment for one junctor circuit per SD-27725-01, Fig. 1 and 4, with T option and SD-94820-01, Fig. 2.

Notes

A. Reserved.

B. Job records need not be maintained for W, X, Y, and Z options.

J23071EL—AT&TCo Std—Unit for One Trunk Circuit or Intertoll Trunk Circuit—900 Ohms—Exchange, Tandem, Toll Connecting, or Intertoll in Wideband Service with Phase III Centrex—E&M Lead Supervision Incoming and Outgoing—Reverse Battery Supervision Through Switches

Equipment—J23071EL-()

List 1—Assembly, equipment, and wiring required for one trunk circuit per SD-27933-01, Fig. 1 and SD-94820-01, two Fig. 2. (See Note C.)

List 2—Equipment and wiring required in addition to list 1 when trunk is arranged for tandem switching per SD-27933-01, Fig. 2.

List 3—Equipment and wiring required in addition

to list 1 when trunk is arranged for dial zero traffic per SD-27933-01, Fig. 3 and 4.

List 4—Equipment and wiring required in addition to list 1 when trunk is arranged as a test trunk per SD-27933-01, Fig. 6.

List 5—Equipment and wiring required in addition to list 1 when trunk is arranged for phase III centrex operation per SD-27933-01, Fig. 3 and 5.

Notes

A. In addition, there are options involving wiring only as follows:

1. Wiring required in addition to list 1 when AMA entry on disconnect is required per SD-27933-01, J option.

2. Wiring required in addition to list 1 when AMA entry on disconnect is not required per SD-27933-01, H option.

3. Wiring required in addition to list 1 when trunk is not arranged for tandem switching per SD-27933-01, Z option.

4. Wiring required in addition to list 1 when trunk is not used as a test trunk per SD-27933-01, N option.

B. Office records need not be maintained for options Y, V, W, T, S, R, and Q.

C. Provide list 1 in offices where phase III centrex may be added at a later date.

J23071EM—AT&TCo Std—Unit for One Intraoffice Trunk Circuit for Wideband Service with Phase III Centrex

Equipment—J23071EM-()

List 1—Equipment and wiring for one intraoffice trunk for wideband service per SD-27932-01, Fig. 1 and SD-94820-01, Fig. 2. (See Note C.)

List 2—Equipment and wiring required in addition to list 1 for use with phase III centrex per SD-27932-01, Fig. 2.

Notes

- A. Wiring required in addition to list 1 when don't answer transfer is not provided per SD-27932-01, W option.
- B. Job records need not be maintained for options Z and Y.
- C. Provide list 1 in offices where phase III centrex may be added at a later date.

J23071EN—AT&TCo Std—Unit for One Toll Switching Tandem Trunk Circuit to Complete Calls to a Called Station—for Wideband Service with Phase III Centrex

Equipment—J23071EN-()

List 1—Equipment and wiring required for one trunk circuit per SD-27950-01, Fig. 1 and SD-94820-01, two Fig. 2.

List 2—Equipment and wiring required in addition to list 1 when reverse battery supervision to a switchboard in a distant building is required per SD-27950-01, Fig. 2 and 4.

List 3—Equipment and wiring required in addition to list 1 when reverse battery supervision to a switchboard in the same building is required per SD-27950-01, Fig. 2 and Z option.

List 4—Equipment and wiring required in addition to list 1 when E and M lead supervision to a switchboard is required per SD-27950-01, Fig. 3 and 4.

List 5—Equipment and wiring required in addition to list 1 when trunk is arranged for phase III centrex operation per SD-27950-01, Fig. 5 and T option.

Notes

- A. Reserved.
- B. Office records need not be maintained for options Y, X, and V.

J23071EP—AT&TCo Std—Unit for One Phase III Centrex Attendant Access Trunk Arranged for Wideband Service

Equipment—J23071EP-()

List 1—Assembly, wiring, and equipment for one phase III centrex attendant access trunk arranged for wideband service in accordance with SD-27937-01, Fig. 1 and 2 and SD-94820-01, Fig. 2.

J23071ER—AT&TCo Std—Unit for One Phase III Centrex Attendant Trunk Arranged for Listed Directory Number and Transfer Calls—Direct Key Terminated—for Wideband Service

Equipment—J23071ER-()

List 1—Assembly, wiring, and equipment for one phase III centrex attendant trunk arranged for listed directory number and transfer calls in accordance with SD-27955-01, Fig. 1 and SD-94820-01, Fig. 2.

J23071ES—AT&TCo Std—Unit for One Dial Transfer Trunk for Use with Phase III Centrex—Wideband Service

Equipment—J23071ES-()

List 1—Assembly, wiring, and equipment for one dial transfer trunk in accordance with SD-27688-01, Fig. 1 and 2 and SD-94820-01, Fig. 2.

Notes

- A. Reserved.
- B. Reserved.
- C. J99294B, List 1 is required when this unit is ordered and should be mounted on the same frame.

J23071ET—AT&TCo Std—Unit for One Phase III Centrex Attendant Trunk Arranged for Dial Zero Calls—Direct Key Terminated—for Wideband Service

Equipment—J23071ET-()

List 1—Assembly, wiring, and equipment for one phase III centrex attendant trunk arranged for dial zero calls in accordance with SD-27953-01, Fig. 1 and SD-94820-01, Fig. 2.

Notes

- A. Reserved.
- B. Unit is five mounting plate unit; one plate is not provided and is reserved for spare.

J23071EU—AT&TCo Std—Unit for One Toll Switching Tandem Trunk Circuit to Complete Calls to Called Station—for Wideband Service

Equipment—J23071EU-()

List 1—Equipment and wiring required for one trunk circuit per SD-27950-01, Fig. 1 and S option and SD-94820-01, Fig. 2.

List 2—Equipment and wiring required in addition to list 1 when reverse battery supervision to switchboard in a distant building is required per SD-27950-01, Fig. 2 and 4.

List 3—Equipment and wiring required in addition to list 1 when reverse battery supervision to a switchboard in the same building is required per SD-27950-01, Fig. 2 and Z option.

List 4—Equipment and wiring required in addition to list 1 when E and M lead supervision to a switchboard is required per SD-27950-01, Fig. 3 and 4.

Notes

- A. Reserved.
- B. Office records need not be maintained for options Y and X.

J23071EW—AT&TCo Std—Unit for One Intraoffice Trunk Circuit for Wideband Service

Equipment—J23071EW-()

List 1—Equipment and wiring for one intraoffice trunk for wideband service per SD-27932-01, Fig. 1 and X option and SD-94820-01, Fig. 2. (See Note C.)

Notes

- A. Reserved.
- B. Job records need not be maintained for options Z and Y.

- C. When phase III centrex operation may be added at a later date, providing audio intraoffice trunks for wideband service in accordance with J23071EM.

J23071EY—AT&TCo Std—Unit for One Trunk Circuit or Intertoll Trunk Circuit—900 Ohms—Exchange, Tandem Toll Connecting in Wideband Service—E&M Lead Supervision Incoming and Outgoing—Reverse Battery Supervision Through Switches

Equipment—J23071EY-()

List 1—Assembly, equipment, and wiring required for one trunk circuit per SD-27933-01, Fig. 1 and SD-94820-01, two Fig. 2. (See Note C.)

List 2—Equipment and wiring required in addition to list 1 when trunk is arranged for tandem switching per SD-27933-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 when trunk is arranged for dial zero traffic per SD-27933-0, Fig. 3 and 4.

List 4—Equipment and wiring required in addition to list 1 when trunk is arranged as a test trunk per SD-27933-01, Fig. 6.

Notes

- A. In addition, there are options involving wiring only as follows:
1. Wiring required in addition to list 1 when AMA entry on disconnect is required per SD-27933-01, J option.
 2. Wiring required in addition to list 1 when AMA entry on disconnect is not required per SD-27933-01, H option.
 3. Wiring required in addition to list 1 when trunk is not arranged for tandem switching per SD-27933-01, Z option.
 4. Wiring required in addition to list 1 when trunk is not used as a test trunk per SD-27933-01, N option.
- B. Office records need not be maintained for options Y, V, W, T, S, and R.

- C. When phase III centrex may be added at a later date, provide audio trunk or intertoll trunk—900 ohms—exchange tandem, toll connecting for wideband service in accordance with J23071EL.

Maintenance Trunks

J23071KC—AT&TCo Std—Unit for Two Station Video Test Trunks

Equipment—J23071KC-()

- List 1**—Assembly, equipment, and wiring for one station video trunk unit arranged for two trunks and equipped for one trunk per SD-27919-01, Fig. 1.

- List 2**—Apparatus and wiring required in addition to list 1 for additional station video test trunk per SD-27919-01, Fig. 1.

J23071KD—AT&TCo Std—Unit for One Code 103 Test Trunk for Use With Wideband Code 103 Test Trunk Unit

Equipment—J23071KD-()

- List 1**—Assembly, wiring, and equipment for one code 103 test trunk for use with wideband code 103 test trunk per SD-27795-01, Fig. 1, 2, and V option.

- List 2**—Wiring and equipment required in addition to list 1 when connection to No. 23A testboard is required per SD-27795-01, W option.

- List 3**—Wiring and equipment required in addition to list 1 when connection to No. 23A testboard is not required per SD-27795-01, X option.

J23071KE—AT&TCo Std—Unit for One Test Trunk From a No. 23A Testboard to Line Link and Trunk Link Frame for Testing Wideband Trunks

Equipment—J23071KE-()

- List 1**—Assembly, equipment, and wiring for one test trunk in accordance with SD-27920-01, Fig. 1.

J23071KF—AT&TCo Std—Unit for One Wideband Test Trunk—Audio Part—For Use From Local Test Desk No. 15A to Trunk Link Frame for Testing Wideband Stations.

Equipment—J23071KF-()

- List 1**—Assembly, equipment, and wiring for one wideband test trunk per SD-27925-01, Fig. 1.

J23071KG—AT&TCo Std—Unit for One Wideband Remote Switch Terminating Test Line

Equipment—J23071KG-()

- List 1**—Assembly, equipment, and wiring for one wideband remote switch terminating test line in accordance with SD-27930-01, Fig. 1, and one mW generator impedance converter in accordance with SD-27898-01, Fig. 1, and SD-94820-01, one Fig. 3.

Notes

- A. All interconnecting leads and associated terminals between component assemblies (CPO), G138 and (CPO), G139, (SD-27898-01) shall be sleeved or covered.

J23071KH—AT&TCo Std—Unit for Wideband No. 15A LTD Test Trunk and Wideband Station Video Test Trunk

Equipment—J23071KH-()

- List 1**—Assembly and common equipment for one unit arranged but not equipped for wideband No. 15A LTD test trunk and wideband station test trunk. (See Note B.)

- List 2**—Apparatus and wiring required in addition to list 1 for four wideband No. 15A LTD test trunks in accordance with SD-27926-01, four Fig. 1. (See Note C.)

- List 3**—Apparatus and wiring required in addition to list 1 for one wideband station video test trunk in accordance with SD-27917-01, one Fig. 1.

Notes

- A. Reserved.

- B. This unit may be ordered equipped in any one of the following combinations: one list 3, one list 2, list 2 and list 3, or two lists 3.
- C. Two wideband No. 15A LTD test trunk circuits shall not be assigned to the same trunk switch on the wideband trunk link frame.
- D. Office records need not be maintained for X option.

J23071KJ—AT&TCo Std—Unit for One Wideband Test Trunk—Code 101 and Code 103 Test Trunks (for Mounting on Wideband Trunk Link Frame)

Equipment—J23071KJ-()

- List 1**—Assembly and common equipment for one unit arranged but not equipped for wideband code 101 and code 103 test trunks. (See Note C.)
- List 2**—Equipment and wiring required in addition to list 1 for one wideband code 101 test trunk in accordance with SD-27911-01, Fig. 1.
- List 3**—Equipment and wiring required in addition to list 1 for one wideband code 103 test trunk in accordance with SD-27918-01, Fig. 1.

Notes

- A. Reserved.
- B. Reserved.
- C. This unit may be ordered equipped in any of the following combinations: one list 2, one list 3, one list 2 and one list 3, two lists 2, or two lists 3. When this unit is equipped with one list 2, one list 3, or one list 2 and list 3, list 2 shall be mounted in unit circuit position (0) and list 3 shall be mounted in unit circuit position (1).

J23071KK—AT&TCo Std—Unit for Two Wideband Test Trunks from No. 23A Testboard

Equipment—J23071KK-()

- List 1**—Assembly, equipment, and wiring for two trunks per SD-27921-01, two Fig. 1.

J23071KL—AT&TCo Std—Unit for One Outgoing Trunk With Local or Tandem Completion—Reverse Battery Supervision—For Use as a Code 101 Test Trunk to No. 23A Testboard or Master Test Frame.

Equipment—J23071KL-()

- List 1**—Assembly, equipment, and wiring for one outgoing trunk in accordance with SD-27910, Fig. 1 less Y and Z options.
- List 2**—Equipment and wiring required in addition to list 1 when this circuit is associated with No. 23A testboard in accordance with SD-27910-01, Z option.
- List 3**—Equipment and wiring required in addition to list 1 when this circuit is associated with the master test frame in accordance with SD-27910-01, Y option.

Notes

- A. Reserved.
- B. Job records need not be maintained for W or X options.

J23071KM—AT&TCo Std—Unit Arranged for Two Access Test Line Circuits for Use With Wideband Remote Switch

Equipment—J23071KM-()

- List 1**—Assembly, equipment, and wiring for unit arranged for two and equipped with one access test line circuit in accordance with SD-27931-01, one Fig. 1.
- List 2**—Equipment and wiring required in addition to list 1 for the additional access test line circuit in accordance with SD-27931-01, one Fig. 1.

J23071KA and K23071KB reserved

J23071KN through PY reserved

5. GENERAL NOTES

Wiring and Cabling

- 5.01** See BSP AA610.003 for general gauge and insulation of wiring requirements to be used

in the manufacture of the units listed herein.
Specific requirements are as follows:

Switchboard Cable for Transmission Leads

CA-3217-001 (10 pair)
CA-3217-002 (50 pair)

Switchboard Cable for Control Leads

A-type cable

Surface Wiring

24BW wire

Local Cable and Loose Wiring

24BU wire

List of A&M Only and Mfr Disc. Equipment

5.02 The following equipment has been replaced as indicated. Where A&M Only items appear, the issue numbers shown are those of the issue in which the rating was first applied.

EQUIPMENT	RATING	DETAILS	
		LAST SHOWN IN ISSUE	REPLACING EQUIPMENT
J23071AA	Mfr Disc.	1	J23071AG
J23071AB	Mfr Disc.	1	J23071AJ
J23071AD	Mfr Disc.	1	J23071AH
J23071AF	Mfr Disc.	1	J23071AK
J23071EA	Mfr Disc.	1	J23071EU
J23071EE	Mfr Disc.	1	J23071EY
J23071EH	Mfr Disc.	1	J23071EW

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