

**NO. 6A ANNOUNCEMENT SYSTEMS
FOR MACHINE INTERCEPT SERVICE
EQUIPMENT DESIGN REQUIREMENTS
COMMON SYSTEMS**

1. GENERAL

Scope

1.01 This specification, together with the supplementary information listed herein, covers the equipment design requirements for the framework, equipment, and circuits to be used in the manufacture of dual channel announcement equipment for intercept service and the incoming intercept trunk units which are arranged for use with this system.

1.02 This specification is reissued to revise list information under J95417F and J95417J. These trunks have been modified to allow the No. 23 desk to concentrate 3-class operator number identification traffic into the Automatic Intercept System. In addition, Section AA388.079 is converted to Section 801-603-156.

Capacity

1.03 The No. 6A announcement equipment is intended primarily for use at central location in multioffice areas. Subcenter distribution of announcements is provided, if required. The capacity of the main center is 800 trunks. The capacity of each subcenter is 300 trunks. However, the interconnection of main center and subcenters reduces the trunk capacity of the feeding center by 14 trunks for each dual cable facility and by two trunks for each dual carrier facility employed.

1.04 A subcenter supplied with the machine announcement by a main center may be used to supply a number of succeeding subcenters. A subcenter that is supplied by a preceding selector shall not be used to supply other subcenters.

1.05 The announcement equipment provides means for announcing a message recorded therein at regular intervals. Access to this equipment is obtained through intercepting trunks that are provided with a feature which automatically routes calls reaching vacant or disconnected numbers to the machine. (See Fig. 1.)

1.06 The announcement equipment, consisting of magnetic drum recorder-reproducers, amplifiers, and control and distributing relays is relay-rack mounted. Two recorder-reproducers and associated amplifiers are provided, one of which is in a standby condition. Automatic transfer is effected upon the failure of the machine in service.

1.07 *Remote Alarm:* This system is arranged to operate with remote alarm feature in main and subcenter.

1.08 The recording of announcements in a quiet room of similar location is provided for by means of a remote recording jack box. One set of jacks each for recording, for monitoring, and for a talking line to the control unit are provided, together with a lamp to indicate recording start.

1.09 The incoming intercept trunk units listed herein are relay rack mounted using 2- by 23-inch mounting plates and are generally surface wired.

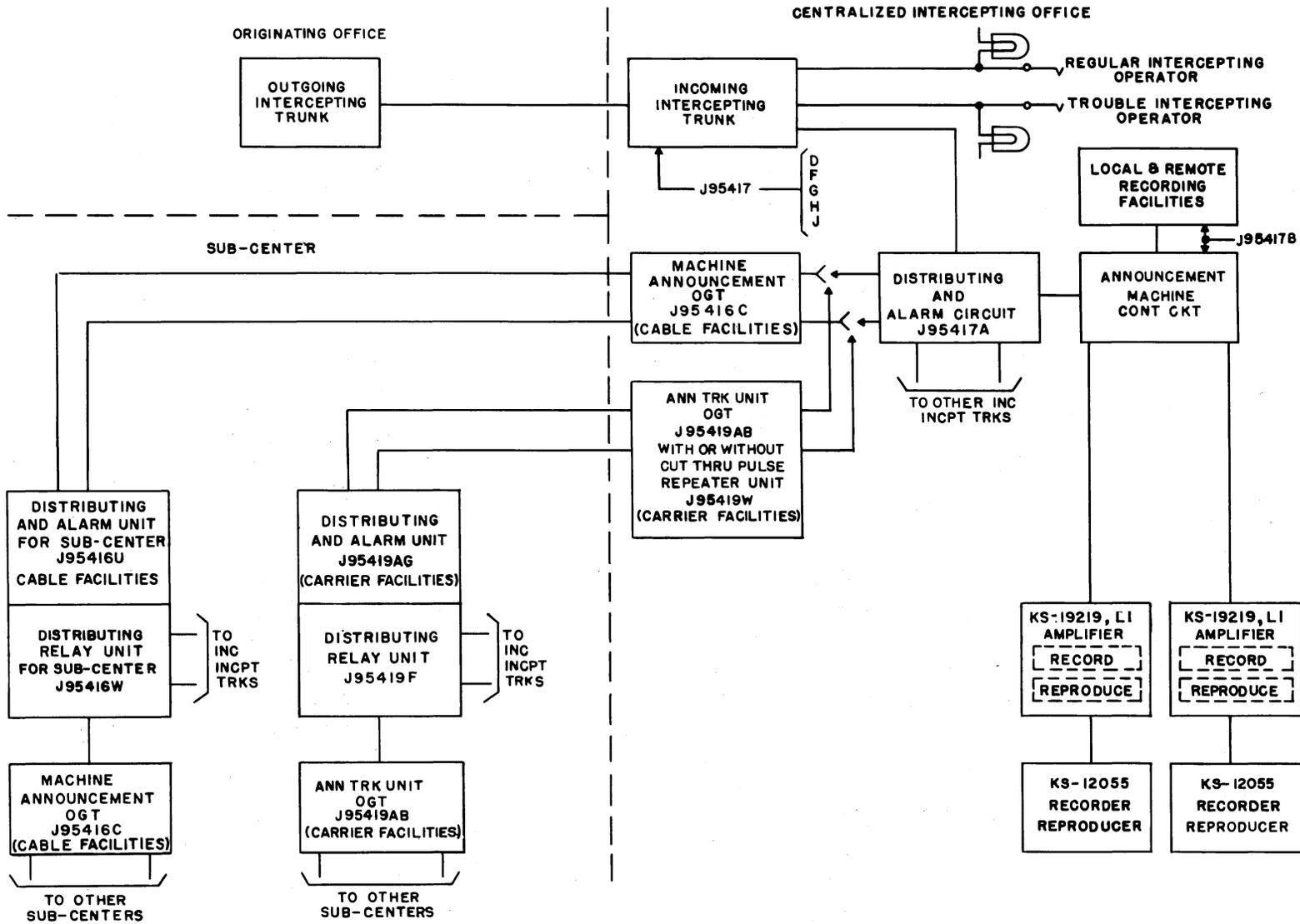


Fig. 1—Connection of Call to Announcement Machine

SUBDIVISIONS OF EQUIPMENT AND DETAILED INDEX

WE 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	SPACE OF 2 IN. BY 23 IN. MTG PLTS
ED-92924- ()		Miscellaneous Equipment for Machine Intercept Trunks	ED-92924- ()	SD-95740-01 SD-95789-01 SD-95796-01 SD-95846-01 SD-96488-01		
J95417A	AT&TCo Std	Distributing and Alarm Unit for Announcement Machine	J95417A- ()	SD-95598-01	1	5
J95417B	AT&TCo Std	No. 6A Announcement System Control Unit	J95417B- ()	SD-95603-01 SD-95608-01 SD-95808-01	1	7
J95417D	AT&TCo Std	Incoming Trunk Unit — From Dial Office — Regular and Trouble Intercepting — Arranged for Machine Announcements — No. 6A Announcement System — Or Verification Request — No. 12, 13C, 13D, 14C, 14D, 15C, or 15D Switchboard — No. 1, 3, 3C, or 3CL Toll Switchboard — No. 19 or 23E Operating Room Desk — No. 1, 2, 7, or 7A Information Desk	J95417D- ()	SD-95789-01	1	3
J95417F	AT&TCo Std	Intercepting Trunk Unit — Regular and Trouble — From Dial Office — Arranged To Handle Trouble Intercepting Calls at No. 1 Toll Switchboard or No. 3, 3C, 3CL, 13C, 13D, 14C, 14D, 15C, or 15D Switchboard, or No. 19 Operating Room Desk — Arranged for Machine Announcements — With or Without Transfer Tone to Operator — With or Without Surburban Tone — No. 23A, 23B,	J95417F- ()	SD-95740-01	2	5

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	SPACE OF 2 IN. BY 23 IN. MTG PLTS
J95417F (Cont)		23C, or 23D Operating Room Desk, No. 3, 3A, 3B, 4, 4A, 4B, 6A, 6B, 6C, 6D, 6E, or 6F Information Desk				
J95417G	AT&TCo Std	Intercepting Trunk Unit — From Step-by-Step Office — Arranged for Machine Announcements — No. 6A Announcement System — No. 1, 3, 3C, or 3CL Toll Switchboard — No. 12, 13C, 13D, 14C, 14D, 15C, or 15D Switchboard — No. 19 or 23E Operating Room Desk or No. 1, 2, 7, or 7A Information Desk	J95417G-()	SD-95796-01	1	3
J95417H	AT&TCo Std	Incoming Trunk Unit From Carrier — Regular or Regular and Trouble Intercepting — Arranged for Machine Announcements — No. 6A Announcement System — No. 3, 3C, 3CL, 12, 13C, 13D, 14C, 14D, 15C, or 15D Switchboard — No. 1 Toll Switchboard, No. 19 or 23E Operating Room Desk, No. 1, 2, 7, or 7A Information Desk — E&M Lead Signaling	J95417H-()	SD-96488-01	2	5
J95417J	AT&TCo Std	Intercepting Trunk Unit — Regular and Trouble — E&M Lead Supervision — Arranged To Handle Trouble Intercept Calls at No. 1, Toll Switchboard or No. 3, 3C, 3CL, 13C, 13D, 14C, 14D, 15C, or 15D Switchboard or No. 19 Operating Room Desk — Arranged for Machine Announcements — With	J95417J-()	SD-95846-01	2	5

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	SPACE OF 2 IN. BY 23 IN. MTG PLTS
J95417J (Cont)		or Without Transfer Tone to Operator — With or Without Suburban Tone — No. 23A, 23B, 23C, or 23D Operating Room Desk — No. 3, 3A, 3B, 4, 4A, 4B, 6A, 6B, 6C, 6D, 6E, or 6F Information Desk				

Circuit Schematic Index

CIRCUIT DRAWING	J95417 EQPT. CODE
SD-95598-01	A
SD-95603-01	B
SD-95608-01	B
SD-95740-01	ED-92924- (), F
SD-95789-01	ED-92924- (), D
SD-95796-01	ED-92924- (), G
SD-95808-01	B
SD-95846-01	ED-92924- (), J
SD-96488-01	ED-92924- (), H

2. SUPPLEMENTARY INFORMATION

- 800-600-000—List of General Equipment Requirement Sections
- 801-603-170—Engineering Information—No. 6A Announcement System
- 953-114-100—General Description—No. 6A Announcement System
- J86611—802-802-160—504A Power Plant
- J93001—801-006-153—Relay Rack Unit Frameworks and Local Cable
- J95416—801-603-155—4A Announcement System
- KS-12055—L4 Single Channel Recorder-Reproducer
- KS-19219, L1—Amplifier

3. DRAWINGS

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

- ED-91601-01—Relay Rack Unit—Horizontal Local Cable Wiring
- ED-92243-01—Relay Rack Unit Framework
- ED-92565- ()—Bay Layout and Miscellaneous Details

- SD-90250-01—Master Keysheet—Common Systems
- SD-96480-01—No. 6A Announcement System

4. EQUIPMENT

ED-92924- ()—Miscellaneous Equipment for Machine Intercept Trunks

- Group 1**—Assembly of one mounting plate arranged for two flashing circuits, one network, and six pad circuits equipped with one flashing circuit per SD-95789-01, Fig. 2 or SD-95796-01, Fig. 4 and one pad circuit per SD-95789-01, Fig. 3 or SD-95796-01, Fig. K.
- Group 2**—Equipment per SD-95789-01, Fig. 2 or SD-95796-01, Fig. 4, required in addition to group 1 for one additional flashing circuit.
- Group 3**—Equipment per SD-95789-01, Fig. 3 or SD-95796-01, Fig. K, required in addition to group 1 for one additional pad circuit.
- Group 4**—Equipment per SD-95789-01, Fig. 4 or SD-95796-01, Fig. 3, required in addition to group 1 for one network.
- Group 5**—Assembly of one mounting plate arranged for eight pad circuits equipped with one pad circuit per SD-95789-01, Fig. 3, SD-95796-01, Fig. K, or SD-95740-01, Fig. 2.
- Group 6**—Equipment per SD-95789-01, Fig. 3, SD-95796-01, Fig. K, or SD-95740-01, Fig. 2, required in addition to group 5 for one additional pad circuit.
- Group 7**—Assembly of one mounting plate arranged for two flashing circuits, one network, and ten pad circuits equipped with one flashing circuit per SD-95796-01, Fig. 4 and one pad circuit per SD-95796-01, Fig. J.

- Group 8**—Equipment per SD-95796-01, Fig. 4, required in addition to group 7 for one additional flashing circuit.
- Group 9**—Equipment per SD-95796-01, Fig. J, required in addition to group 7 for one additional pad circuit.
- Group 10**—Equipment per SD-95796-01, Fig. 3, required in addition to group 7 for one network.
- Group 11**—Assembly of one mounting plate arranged for 13 pad circuits equipped with one pad circuit per SD-95796-01, Fig. J, SD-96488-01, App Fig. 14, or SD-95846-01, App Fig. 8.
- Group 12**—Equipment per SD-95796-01, Fig. J, SD-96488-01, App Fig. 14 or SD-95846-01, App Fig. 8, required in addition to group 11 for one additional pad circuit.
- Group 13**—Assembly of one mounting plate arranged for three flashing circuits, one network, and 10 pad circuits equipped with one flashing circuit per SD-96488-01, App Fig. 2 less all options and one pad circuit per SD-96488-01, App Fig. 14.
- Group 14**—Equipment per SD-96488-01, App Fig. 2, less all options, required in addition to group 13 for one additional flashing circuit.
- Group 15**—Equipment per SD-96488-01, App Fig. 14, required in addition to group 13 for one additional pad circuit.
- Group 16**—Equipment per SD-96488-01, App Fig. 2, W option only, required in addition to group 13 for one network.

J95417A—AT&TCo Std—Distributing and Alarm Unit for Announcement Machine

Equipment—J95417A-()

- List 1**—Assembly, equipment, and wiring for one distributing and alarm unit per SD-95598-01, Fig. 2, less options and Fig. B. (See Note A.)
- List 3**—Equipment and wiring required in addition to list 1 for use in No. 5 crossbar office per SD-95598-01, Fig. B, Y option only. (See Note B.)
- List 5**—Equipment and wiring per SD-95598-01, Fig. 2 and 5, T option only, required in addition to list 1 for association with 101 to 800 announcement trunks.

Notes

- A. Distribution relays per SD-95598-01, Fig. 1 (one per group of 10 announcement trunks), shall be mounted and connected as shown on J95417A-(), Fig. 2, as required.
- B. Optional wiring for use in other than No. 5 crossbar offices shall be connected as required.

J95417B—AT&TCo Std—No. 6A Announcement System Control Unit

Equipment—J95417B-()

Local Cable—ED-91601-01, Fig. 1

- List 1**—Framework, assembly, local cable, and common equipment for one control unit per SD-95608-01, Fig. 1 and 6, less recorder reproducers, amplifiers, and X apparatus. (See Note A.)
- List 2**—Equipment per SD-95603-01, Fig. 3, 4, and 5, required in addition to list 1 for remote recording facilities. (See Note B.)
- List 3**—Equipment per SD-95608-01, Fig. 1, X option only, required in addition to list 1 when unit is located in a No. 5 crossbar office.

Notes

- A. Recorder-reproducers and amplifiers are required in duplicate and shall be furnished as covered under 5.01.
- B. Apparatus per SD-95608-01, Fig. 4 (remote recording jack box) shall be mounted in a cabinet per J95417B-(), Fig. 2. This cabinet is to be located on the wall of a room, specified by the customer, approximately 5 feet from the floor. A 15D-49 indicator with a 2Y lamp and a P3S cord is to be furnished with the cabinet.
- C. The load compensating resistor L shall be specified by the telephone company in accordance with SD-95608-01, Note 110.
- D. Where centralized announcement equipment is located in an unattended office and distant office release of associated alarms is required, the AR relay and AR resistor per SD-95808-01, Fig. 8, shall be furnished on a miscellaneous basis.

E. Provide optional wiring as required.

J95417D—AT&T Co Std—Incoming Trunk Unit—From Dial Office—Regular and Trouble Intercepting—Arranged for Machine Announcements—No. 6A Announcement System—No. 12, 13C, 13D, 14C, 14D, 15C, or 15D Switchboard—No. 1, 3, 3C, or 3CL Toll Switchboard—No. 19 or 23E Operating Room Desk—No. 1, 2, 7, or 7A Information Desk

Equipment—J95417D()

List 1—Framework, assembly, equipment, and wiring per SD-95789-01, Fig. 1, 9, and M, for one intercept trunk unit with test jack and arranged for connection to No. 6A machine announcement system.

List 2—Equipment and wiring per SD-95789-01, Fig. D, required in addition to list 1, for regular or regular and trouble calls answered at No. 1 toll switchboard only.

List 3—Equipment and wiring per SD-95789-01, Fig. C, required in addition to list 1, for regular or regular and trouble calls answered at No. 3, 3C, or 3CL toll switchboard only.

List 4—Equipment and wiring per SD-95789-01, Fig. 8 and J, required in addition to list 1 for regular or regular and trouble calls answered at No. 13C, 13D, 14C, 14D, 15C, or 15D DSA switchboard.

List 5—Equipment and wiring per SD-95789-01, Fig. 8 and Q, with ZO option, required in addition to list 1, when trunk is used with No. 12 switchboard only.

List 6—Equipment and wiring per SD-95789-01, Fig. 1, ZB option only, required in addition to list 1, when separate answering jacks are provided for trouble intercept for all switchboards other than No. 12.

List 7—Equipment and wiring per SD-95789-01, Fig. Q, ZA option only, required in addition to lists 5 and 6 when separate answering jacks are provided for trouble intercept for No. 12 switchboard.

List 8—Equipment and wiring per SD-95789-01, Fig. E, required in addition to list 1, when trunk is used with a No. 19 operating room desk or No. 2, 7, or 7A information desk with or without transfer to No. 1 toll switchboard.

List 9—Equipment and wiring per SD-95789-01,

Fig. F, required in addition to list 1, when trunk is used with a No. 19 operating room desk or No. 2, 7, or 7A information desk without night or light load transfer to switchboard.

List 10—Equipment and wiring per SD-95789-01, Fig. K, required in addition to list 3, 4, or 5 when trunk is used with a No. 19 operating room desk with or without transfer to all switchboards except No. 1 or when trunk is used with No. 2, 7, or 7A information desk with transfer to No. 12 switchboard or with or without transfer to all switchboards except No. 1.

List 11—Equipment and wiring per SD-95789-01, Fig. G, required in addition to list 1, when trunk is used with No. 1 information desk with or without transfer to No. 1 toll switchboard.

List 12—Equipment and wiring per SD-95789-01, Fig. G and ZE option, required in addition to list 1 when trunk is used with No. 23E operating room desk with or without transfer to No. 1 toll switchboard.

List 13—Equipment and wiring per SD-95789-01, Fig. 8 and H, required in addition to list 1, when trunk is used with No. 1 information desk, regular intercept only, without transfer to switchboard.

List 14—Equipment and wiring per SD-95789-01, Fig. 8, C, and P, required in addition to list 1, when trunk is used with No. 1 information desk with or without transfer to No. 3, 3C, or 3CL toll switchboard.

List 15—Equipment and wiring per SD-95789-01, Fig. P, required in addition to list 4 or 5 when trunk is used with No. 1 information desk with transfer to No. 12 switchboard or with or without transfer to all other switchboards except No. 1.

List 16—Equipment and wiring per SD-95789-01, Fig. H, required in addition to list 1, when trunk is used with No. 23E operating room desk, regular intercept only, without transfer to switchboard.

List 17—Equipment and wiring per SD-95789-01, Fig. L, required in addition to list 3, 4, or 5 when trunk is used with a No. 23E operating room desk with transfer to No. 12 switchboard or with or without transfer to all other switchboards except No. 1.

List 18—Equipment and wiring per SD-95789-01, Fig. 8, K, and Q, with ZA option, required

in addition to list 1 when trunk is used with No. 2, 7, or 7A information desk without transfer to No. 12 switchboard.

- List 19**—Equipment and wiring per SD-95789-01, Fig. 8, P, and Q, with ZA option, required in addition to list 1 when trunk is used with No. 1 information desk without transfer to No. 12 switchboard.
- List 20**—Equipment and wiring per SD-95789-01, Fig. 8, L, and Q, with ZA option, required in addition to list 1 when trunk is used with No. 23E operating room desk without transfer to No. 12 switchboard.
- List 21**—Equipment and wiring per SD-95789-01, Fig. 1, V option only, required in addition to list 1 for 94E repeat coil.
- List 22**—Equipment and wiring per SD-95789-01, Fig. 1, N option only, required in addition to list 1 for 120C repeat coil.
- List 23**—Equipment and wiring per SD-95789-01, Fig. 1, T option only, required in addition to list 1 for 120CS repeat coil.
- List 24**—Equipment and wiring per SD-95789-01, Fig. 1, W option only, required in addition to list 1, for 94F repeat coil.
- List 25**—Equipment and wiring per SD-95789-01, Fig. 1, P option only, required in addition to list 1 for 120D repeat coil.
- List 26**—Equipment and wiring per SD-95789-01, Fig. 1, U option only, required in addition to list 1, for 120DS repeat coil.
- List 27**—Equipment and wiring per SD-95789-01, Fig. 8, required in addition to list 1 when regular intercept calls are answered at the No. 17C operating room desk, or in addition to list 3 when regular intercept calls are answered at the No. 17C operating room desk with or without transfer to the No. 3, 3C, or 3CL toll switchboard and trouble intercept calls are answered at the No. 3, 3C, or 3CL toll switchboard.
- List 28**—Equipment and wiring per SD-95789-01, Fig. U, required in addition to list 1 when regular intercept calls are answered at the No. 17C operating room desk with or without transfer to No. 1 toll switchboard and trouble intercept calls are answered at No. 1 toll switchboard.
- List 29**—Equipment and wiring per SD-95789-01, Fig. V, required in addition to list 5 or 5 and 7 when regular intercept calls are answered at the No. 17C operating room desk with transfer to No. 12 switchboard and trouble intercept calls are answered

at the No. 12 switchboard, or required in addition to list 4 when regular intercept calls are answered at the No. 17C operating room desk with or without transfer to DSA No. 13C, 13D, 14C, 14D, 15C, or 15D switchboard and trouble calls are answered at the DSA switchboards.

Notes

- A. Equipment per SD-95789-01, Fig. 2, 3, and 4 shall be mounted on miscellaneous mounting plate per ED-92924-() and located at the top of the relay rack.
- B. Provide optional wiring as required.

J95417F—AT&T Co Std—Intercepting Trunk Unit—Regular and Trouble—From Dial Office—Arranged To Handle Trouble Intercepting Calls at No. 1 Toll Switchboard or No. 3, 3C, 3CL, 13C, 13D, 14C, 14D, 15C, or 15D Switchboard, or No. 19 Operating Room Desk—Arranged for Machine Announcements—With or Without Transfer Tone to Operator—With or Without Suburban Tone—No. 23A, 23B, 23C, or 23D Operating Room Desk, No. 3, 3A, 3B, 4, 4A, 4B, 6A, 6B, 6C, 6D, 6E, or 6F Information Desk

Equipment—J95417F-()

- List 3**—Equipment and wiring per SD-95740-01, Fig. A, required in addition to list 1 or 2 when tone identification is required for suburban calls or for machine calls transferred to an operator.
- List 4**—Equipment and wiring per SD-95740-01, Fig. 1, ZA option only, and Fig. C, required in addition to list 1 or 2 for trouble intercept calls handled at No. 3, 3C, or 3CL switchboard.
- List 5**—Equipment and wiring per SD-95740-01, Fig. 1, ZA option only, and Fig. F, required in addition to list 1 or 2 for trouble intercept calls handled at a No. 19 operating room desk.
- List 6**—Equipment and wiring per SD-95740-01, Fig. 1, ZA option only, and Fig. E, required in addition to list 1 or 2 for trouble intercept calls handled at No. 13C, 13D, 14C, 14D, 15C, or 15D DSA switchboard.

List 7—Equipment and wiring per SD-95740-01, Fig. 1, ZA option only and Fig. D, less all options, required in addition to list 1 or 2 for trouble intercept calls handled at No. 1 toll switchboard and the originating office is step-by-step.

List 8—Equipment and wiring per SD-95740-01, Fig. D, T option only, required in addition to list 8 when trouble intercept calls are handled at No. 1 toll switchboard and the originating office is panel or crossbar.

List 9—Equipment and wiring per SD-95740-01, Fig. 1, X option only, required in addition to list 1 or 2 when trunk impedance at 1000 Hz is less than 1100 ohms or when impedance ratio is 1:1.

List 10—Equipment and wiring per SD-95740-01, Fig. 1, Z option only, required in addition to list 1 or 2 when trunk impedance at 1000 Hz is less than 1100 ohms or when impedance ratio is 1:1.

List 11—Equipment and wiring per SD-95740-01, Fig. 1, W option only, required in addition to list 1, 2, 16, or 17 when trunk impedance at 1000 Hz is greater than 1100 ohms or when impedance ratio is 1.5:1.

List 12—Equipment and wiring per SD-95740-01, Fig. 1, Y option only, required in addition to list 1, 2, 16, or 17 when trunk impedance at 1000 Hz is greater than 1100 ohms or when impedance ratio is 1.5:1.

List 13—Equipment and wiring per SD-95740-01, Fig. 1, ZX option only, required in addition to list 1 or 16 when connection to TUR circuit, for trunk holding time (seizure to disconnect), is required and trouble intercept is provided or trunk is used to concentrate ONI traffic into the Automatic Intercept System.

List 14—Equipment and wiring per SD-95740-01, Fig. 1, ZP option only, required in addition to list 1 or 16 when connection to TUR circuit, for FADS, is required (not to be used on trunks which are concentrated).

List 15—Equipment and wiring per SD-95740-01, Fig. A or B, ZZ option only, required in addition to list 1, 2, 16, or 17 when connection to trunk alarm circuit for No. 23 desk is required.

List 16—Framework, assembly, equipment, and wiring per SD-95740-01, Fig. 1 and M option, required for one intercept trunk unit with one circuit equipped and common equipment for one additional circuit.

List 17—Equipment and wiring per SD-95740-01, Fig. 1, required in addition to list 16 for one additional trunk circuit.

List 18—Equipment and wiring per SD-95740-01, Fig. H, required in addition to list 16 or 17 to arrange trunk for machine announcement.

List 19—Equipment and wiring per SD-95740-01, Fig. L, with YA and ZZ apparatus, required in addition to list 16 or 17 when trunk is used to concentrate ONI traffic into the Automatic Intercept System and machine, regular, and trouble intercept is provided.

List 20—Equipment and wiring per SD-95740-01, Fig. N, required in addition to list 19 when machine intercept traffic is concentrated into the Automatic Intercept System.

List 21—Equipment and wiring per SD-95740-01, Fig. 1, YB option, required in addition to list 16 or 17 when trunk is not used to concentrate ONI traffic into the Automatic Intercept System.

Notes

- A. Provide optional wiring as required.
- B. The 120-type repeat coil (lists 10 and 12) will be provided where the transmission of this coil compared to the 94-type (lists 9 and 11) warrants its use.
- C. Provide pad equipment per SD-95740-01, Fig. 2, on a miscellaneous basis in accordance with ED-92924() and locate at the top of the relay rack.

J95417G—AT&T Co Std—Intercepting Trunk Unit—From Step-by-Step Office—Arranged for Machine Announcements—No. 6A Announcement System—No. 1, 3, 3C, or 3CL Toll Switchboard—No. 12, 13C, 13D, 14C, 14D, 15C, or 15D Switchboard—No. 19 or 23E Operating Room Desk or No. 1, 2, 7, or 7A Information Desk

Equipment—J95417G-()

List 1—Framework, assembly, equipment, and wiring per SD-95796-01, Fig. 1, with Z option, required for one trunk unit. (See Note A.)

- List 2**—Equipment and wiring per SD-95796-01, Fig. L, required in addition to list 1 to arrange trunk for machine announcements.
- List 3**—Equipment and wiring per SD-95796-01, Fig. M, required in addition to list 1 when trunk is not arranged for machine announcements.
- List 4**—Equipment and wiring per SD-95796-01, Fig. G, required in addition to list 1, when machine announcements are provided and step-by-step office is not in the same building.
- List 5**—Equipment and wiring per SD-95796-01, Fig. B, required in addition to list 1 when trunk is used with No. 1 toll switchboard only.
- List 6**—Equipment and wiring per SD-95796-01, Fig. A, required in addition to list 1 when trunk is used with No. 3, 3C, or 3CL toll switchboard only.
- List 7**—Equipment and wiring per SD-95796-01, Fig. 7 and N, required in addition to list 1 when trunk is used with No. 13C, 13D, 14C, 14D, 15C, or 15D DSA switchboard only.
- List 8**—Equipment and wiring per SD-95796-01, Fig. 7 and O, with YA wiring, required in addition to list 1 when calls are answered at the No. 12 switchboard alone, or No. 12 switchboard with No. 1, 2, 7, or 7A information desk or No. 19 or 23E operating room desk.
- List 9**—Equipment and wiring per SD-95796-01, Fig. D, required in addition to list 1 when trunk is used with No. 19 operating room desk or No. 2, 7, or 7A information desk without night or light load transfer to switchboard.
- List 10**—Equipment and wiring per SD-95796-01, Fig. C, required in addition to list 1 when trunk is used with No. 19 operating room desk or No. 2, 7, or 7A information desk with or without transfer to No. 1 toll switchboard.
- List 11**—Equipment and wiring per SD-95796-01, Fig. 5, required in addition to list 6, 7, or 8 when trunk is used with No. 19 operating room desk or No. 2, 7, or 7A information desk without transfer to No. 12 switchboard or with or without transfer to all other switchboards except No. 1.
- List 12**—Equipment and wiring per SD-95796-01, Fig. F and ZZ apparatus, required in addition to list 2 or 3 when regular intercepting calls are answered at the No. 23E operating room desk without transfer to switchboard.
- List 13**—Equipment and wiring per SD-95796-01, Fig. 7, F, and P, with YA and ZV apparatus, required in addition to list 2 or 3 when regular intercepting calls are answered at No. 1 information desk without transfer to switchboard.
- List 14**—Equipment and wiring per SD-95796-01, Fig. 7, 8, A, and P, required in addition to list 1 when trunk is used with No. 1 information desk with or without transfer to No. 3, 3C, or 3CL toll switchboard.
- List 15**—Equipment and wiring per SD-95796-01, Fig. 8, required in addition to list 7 or 8, when trunk is used with No. 1 information desk without transfer to No. 12 switchboard or with or without transfer to No. 13C, 13D, 14C, 14D, 15C, or 15D DSA switchboard.
- List 16**—Equipment and wiring per SD-95796-01, Fig. E, with ZV option, required in addition to list 2 or 3 when regular intercepting calls are answered at No. 1 information desk with or without transfer to No. 1 toll switchboard.
- List 17**—Equipment and wiring per SD-95796-01, Fig. E, with ZF option, required in addition to list 1 when trunk is used with No. 23E operating room desk with or without transfer to No. 1 toll switchboard.
- List 18**—Equipment and wiring per SD-95796-01, Fig. 6, required in addition to lists 6, 7, and 8 when trunk is used with No. 23E operating room desk without transfer to No. 12 switchboard with or without transfer to all other switchboards except No. 1.
- List 19**—Equipment and wiring per SD-95796-01, Fig. O, ZT option only, required in addition to list 8, 11, 15, or 18 when trunk is used with No. 1, 2, 7, or 7A information desk, No. 19 or 23E operating room desk with transfer to No. 12 switchboard or when trunk is used with No. 12 switchboard only.
- List 20**—Equipment and wiring per SD-95796-01, Fig. 1, R option, required in addition to list 1 for common or separate answering jacks for regular and trouble intercept.
- List 21**—Equipment and wiring per SD-95796-01, Fig. 1, YE option, required in addition

to list 20 for trouble intercept test jack when common or separate answering jacks are furnished for No. 19 operating room desk and all switchboards except No. 12 and where common answering jacks are furnished for No. 12 switchboard.

- List 22**—Equipment and wiring per SD-95796-01, Fig. 1, YE option only, and Fig. O, ZI option only, required in addition to list 20 for separate answering jacks for No. 12 switchboard with test jack for trouble intercept.
- List 23**—Equipment and wiring per SD-95796-01, Fig. 1, ZU option only, required in addition to list 1 when trunk is used in offices arranged for subscriber maximum extended circuit loops of 1400 ohms or more.
- List 24**—Equipment and wiring per SD-95796-01, Fig. 7, O, and Q, with ZZ apparatus, required in addition to list 2 or 3 when trunk is used with No. 12 switchboard alone for regular intercept or in addition to lists 2 or 3 and 21 for regular and intercept with common answering jacks.
- List 25**—Equipment and wiring per SD-95796-01, Fig. O, YC apparatus, required in addition to list 24 for No. 12 switchboard alone for regular and trouble intercept with separate answering jacks for trouble.

Notes

- A. Equipment per SD-95796-01, Fig. 3, 4, J, and K shall be mounted on a miscellaneous mounting plate per ED-92924-() and located at the top of the relay rack.
- B. Provide optional wiring as required.

J95417H—AT&T Co Std—Incoming Trunk Unit From Carrier—Regular or Regular and Trouble Intercepting—Arranged for Machine Announcements—No. 6A Announcement System—No. 3, 3C, 3CL, 12, 13C, 13D, 14C, 14D, 15C, or 15D Switchboard—No. 1 Toll Switchboard, No. 19 or 23E Operating Room Desk, No. 1, 2, 7, or 7A Information Desk—E&M Lead Signaling

Equipment—J95417H-()

List 1—Framework, assembly, equipment, and wiring per SD-96488-01, App Fig. 1 and

9, less all options, for one incoming trunk unit arranged for machine announcements with common equipment for one additional trunk.

- List 2**—Equipment and wiring per SD-96488-01, App Fig. 1 and 9, less all options, required in addition to list 1 for one additional trunk.
- List 3**—Equipment and wiring per SD-96488-01, App Fig. 3, required in addition to list 1 or 2 when trunk is arranged for use with No. 1 toll switchboard.
- List 4**—Equipment and wiring per SD-96488-01, App Fig. 10, required in addition to list 1 or 2 when trunk is arranged for use with No. 3, 3C, or 3CL toll switchboard only.
- List 5**—Equipment and wiring per SD-96488-01, App Fig. 4, required in addition to list 1 or 2 when trunk is arranged for use with No. 13C, 13D, 14C, 14D, 15C, or 15D DSA switchboard only.
- List 6**—Equipment and wiring per SD-96488-01, App Fig. 8, with T option, required in addition to list 1 or 2 when trunk is arranged for use with No. 12 switchboard only.
- List 7**—Equipment and wiring per SD-96488-01, App Fig. 1, X option only, required in addition to list 1 or 2 when separate answering jacks for trouble intercept are required for the No. 19 operating room desk and all switchboards other than No. 12.
- List 8**—Equipment and wiring per SD-96488-01, App Fig. 8, S option only, required in addition to list 6 and 7 when separate answering jacks for trouble intercept are required for No. 12 switchboard.
- List 9**—Equipment and wiring per SD-96488-01, App Fig. 12, required in addition to list 1 or 2 when trunk is used with the No. 19 operating room desk or No. 2, 7, or 7A information desk with or without transfer to No. 1 toll switchboard.
- List 10**—Equipment and wiring per SD-96488-01, App Fig. 11, required in addition to list 1 or 2 when trunk is used with No. 19 operating room desk or No. 2, 7, or 7A information desk without transfer to switchboard.
- List 11**—Equipment and wiring per SD-96488-01, App Fig. 6, required in addition to list 4, 5, or 6 when trunk is used with No. 19 operating room desk or No. 2, 7, or 7A information desk with transfer to No. 12

switchboard or with or without transfer to all other switchboards except No. 1.

List 12—Equipment and wiring per SD-96488-01, App Fig. 6 and 8, with S option, required in addition to list 1 or 2 when trunk is used with No. 19 operating room desk or No. 2, 7, or 7A information desk without transfer to No. 12 switchboard.

List 13—Equipment and wiring per SD-96488-01, App Fig. 13 with A wiring, required in addition to list 1 or 2 when trunk is used with No. 1 information desk with or without transfer to No. 1 toll switchboard.

List 14—Equipment and wiring per SD-96488-01, App Fig. 13 with B option, required in addition to list 1 or 2 when trunk is used with No. 23E operating room desk with or without transfer to No. 1 toll switchboard.

List 15—Equipment and wiring per SD-96488-01, App Fig. 7, required in addition to list 1 or 2 when trunk is used with No. 1 information desk or No. 23E operating room desk, regular intercept only, without transfer to switchboard.

List 16—Equipment and wiring per SD-96488-01, App Fig. 5, with R wiring, required in addition to list 4, 5, or 6 when trunk is used with No. 1 information desk with transfer to No. 12 switchboard or with or without transfer to all other switchboards except No. 1.

List 17—Equipment and wiring per SD-96488-01, App Fig. 5 with R wiring and App Fig. 8 with S option, required in addition to list 1 or 2 when trunk is used with No. 1 information desk without transfer to No. 12 switchboard.

List 18—Equipment and wiring per SD-96488-01, App Fig. 5 with Q option, required in addition to list 4, 5, or 6 when trunk is used with No. 23 operating room desk with transfer to No. 12 switchboard or with or without transfer to all other switchboards except No. 1.

List 19—Equipment and wiring per SD-96488-01, App Fig. 5 with Q option and App Fig. 8 with S option, required in addition to list 1 or 2 when trunk is used with No. 23 operating room desk without transfer to No. 12 switchboard.

Notes

A. Equipment per SD-96488-01, App Fig. 2 and 14 shall be mounted on a miscellaneous mounting

plate per ED-92924-() and located at the top of the relay rack.

B. Provide optional wiring as required.

J95417J—AT&T Co Std—Intercepting Trunk Unit—Regular and Trouble—E&M Lead Supervision—Arranged To Handle Trouble Intercept Calls at No. 1 Toll Switchboard or No. 3, 3C, 3CL, 13C, 13D, 14C, 14D, 15C, or 15D Switchboard or No. 19 Operating Room Desk—Arranged for Machine Announcements—With or Without Transfer Tone to Operator—With or Without Suburban Tone—No. 23A, 23B, 23C, or 23D Operating Room Desk—No. 3, 3A, 3B, 4, 4A, 4B, 6A, 6B, 6C, 6D, 6E, or 6F Information Desk

Equipment—J95417J-()

List 2—Equipment and wiring per SD-95846-01, App Fig. 2, required in addition to list 1 or 14 when tone identification is required for suburban calls or for machine calls transferred to an operator.

List 3—Equipment and wiring per SD-95846-01, App Fig. 1, Z option only, and App Fig. 4, required in addition to list 1 or 14 for trouble intercept calls handled at a No. 19 operating room desk.

List 4—Equipment and wiring per SD-95846-01, App Fig. 1, Z option only, and App Fig. 5, required in addition to list 1 or 14 for trouble intercept calls handled at No. 1 toll switchboard.

List 5—Equipment and wiring per SD-95846-01, App Fig. 1, Z option only, and App Fig. 6, required in addition to list 1 or 14 for trouble intercept calls handled at No. 3, 3C, or 3CL switchboard.

List 6—Equipment and wiring per SD-95846-01, App Fig. 1, Z option only, and App Fig. 3, required in addition to list 1 or 14 for trouble intercept calls handled at No. 13C, 13D, 14C, 14D, 15C, or 15D DSA switchboard.

List 7—Equipment and wiring per SD-95846-01, App Fig. 1, M option only, required in addition to list 1 or 14 for service observing at No. 23A, 23B, 23C, or 23D desk.

List 10—Equipment and wiring per SD-95846-01, Fig. 1, E option, required in addition to list 1 or 14 when connection to TUR circuit

for trunk holding time (seizure to disconnect) is required.

List 11—Equipment and wiring per SD-95846-01, Fig. 1, F option, required in addition to list 1 or 14 when connection to TUR circuit for FADS is required (not to be used on trunks which are concentrated).

List 12—Equipment and wiring per SD-95846-01, Fig. 1, A option, required in addition to list 1 or 14 when connection to trunk alarm circuit for No. 23 operating room desk is required.

List 13—Equipment and wiring per SD-95846-01, Fig. 2, ZG option, required in addition to list 2 when tone identification for suburban calls is required.

List 14—Framework, assembly, equipment, and wiring per SD-95846-01, two Fig. 1, for one intercepting trunk unit equipped with two circuits.

List 15—Equipment and wiring per SD-95846-01, Fig. 7 and 8, required in addition to list 14 for each circuit when trunk is to be connected to a 6A announcement machine. (See Note B.)

List 16—Equipment and wiring per SD-95846-01, Fig. 9 and ZI option, required in addition to list 14 for each circuit when trunk is used to concentrate operator number identification traffic into the Automatic Intercept System with machine, regular, and trouble intercept.

List 17—Equipment and wiring per SD-95846-01, Fig. 10, required in addition to list 16 when trunk is used to concentrate operator number identification traffic, and machine intercept is concentrated to the Automatic Intercept System.

List 18—Equipment and wiring per SD-95846-01, ZH option, required in addition to list 14 for each circuit when trunk is not used to concentrate operator number identification traffic.

Notes

- A. Provide optional wiring as required.
- B. Provide equipment per SD-95846-01, App Fig. 8 in accordance with ED-92924-() and locate at top of relay rack.
- C. Provide X and ZF options in addition to list 2 when tone identification is required for machine calls transferred to an operator.
- D. Provide ZF option in addition to lists 3, 4, 5, or 6 when tone identification is required.
- E. Provide G option in addition to list 11 when suburban or machine transfer tone is provided.
- F. Provide the 120CS repeat coil, ZC option, in addition to list 14 only if required by government material restriction on the 120C repeat coil, ZB option.
- G. Provide K option in addition to list 14 when connection to totalizer circuit (via traffic register circuit) is required.
- H. Provide S option in addition to list 14 when this trunk is used for No. 3, 4, or 6 information desk.
- I. Provide Y option in addition to list 14 when this trunk is used for No. 23 operating room desks.

Miscellaneous Equipment

J95416C—Announcement Trunk Unit—Outgoing to Subcenter

J95416F—Distributing Relay Unit

J95416U—Distributing and Alarm Unit for Subcenter

J95416W—Distributing Relay Unit for Subcenter

J95416Y—Distributing and Alarm Unit—Incoming to Subcenter—E&M Signaling

J95416AB—Announcement Trunk Unit—Outgoing to Subcenter—With Cut-Through Pulses—E&M Signaling

5. GENERAL NOTES

5.01 Two recorder-reproducers per KS-12055, List 6 and two amplifiers per KS-19219, List 1 shall be assembled on a 23-inch relay-rack bay with the associated control, distributing, and alarm equipment as shown on ED-92565-().

5.02 Regular 48-volt central office battery is used to operate the No. 6A announcement system circuits. In addition, 22-volt, 60-Hz ac, 24-volt dc, machine ringing, tone, and transmission measuring milliwatt supplies are required for various circuits. The recorder-reproducers are operated on commercial

115-volt, 60-Hz ac power. In the event of failure of the commercial ac supply, an emergency power supply per J86611C may be used.

The above 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.

List of A&M Only and Mfr Disc. Equipment

EQUIPMENT	RATING	DETAILS LAST SHOWN IN ISSUE	REPLACING EQUIPMENT
J95417A,L2 & L4	Mfr Disc.	2	J95417A,L5
J95417C	Mfr Disc.	2	J95417G
J95417E	Mfr Disc.	2	J95417F
J95417F,L1	Mfr Disc.	3	J95417F,L16
L2	Mfr Disc.	3	L17
J95417J,L1	Mfr Disc.	3	J95417J,L14
L8 & L9	Mfr Disc.	3	—

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