

INTERCONNECTING UNITS

EQUIPMENT DESIGN REQUIREMENTS

STATION 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 and installation of J53050-type interconnecting units.

1.02 This specification is reissued:

- To show J53050C List 1 (MD) and add Lists 2 and 3
- To add J53050E, F, G, H, and J
- To delete reference to J99344 which was replaced by 463-300-100
- To add SD-1E229-01, SD-1E245-01, SD-1E254-01 SD-1E255-01, and SD-1E257-01.

Description

1.03 The interconnecting units are a group of protective devices used to allow connection of customer-provided transmitting and receiving equipment to the Bell System network. The connection arrangement, an alternative to use of Bell System equipment, has been designed to protect and maintain service to other users of the telephone network. These units are designed to provide Telephone Company control of the critical signaling and switching functions of the network.

1.04 The relay rack equipment units listed herein are arrangements whereby the equipment is mounted together in one self-contained unit on 23-inch mounting plates. The design permits the unit to be completely assembled, wired, and tested in the shop. Units are to be mounted locally unless otherwise provided for. Terminal strips are provided on the unit to furnish solderless wrap terminals

for cable connections to both Bell System and customer-provided equipment.

1.05 Unit wiring consists of surface wiring using No. 24 gauge single wire for intraunit connections of the apparatus to each other and to the terminal strip, and for all strapping.

2. SUPPLEMENTARY INFORMATION

AA128.006—List of General Equipment Requirements Sections

800-600-000—▶Checking List of General Equipment Requirements◀

463-300-100—▶Interconnecting Devices, Selection and General Information.◀

3. DRAWINGS

WECO J drawings should be ordered by referring to the prefix and base number and requesting the current list () number.

J53050A-()—Interconnecting Unit—Provides 2-Way Trunk 2-Wire Connection Between Bell System Manual PBX and Customer—Provided Dial Intercommunicating Systems

J53050C-()—Interconnecting Unit—For DX or E and M Lead Signaling Circuit

J53050D-()—Interconnecting Unit—Provides 2-Wire Tie Trunk Connection Between Bell System and Customer-Provided Automatic PBX Facilities

J53050E-()—▶Interconnecting Unit—For Third Wire Message Register Circuits◀

J53050F-()—▶Interconnecting Unit—Provides Connection Via Trunk Level Access from a Bell System PBX to Customer-Provided Equipment◀

J53050G-()—▶Interconnecting Unit—For Connecting Customer-Provided Toll Diversion Equipment to Bell System PBX-CO Trunks.◀

J53050H-()—▶Interconnecting Unit—Provides a High Impedance Line Status Indicator

for CP Equipment.◆

J53050J-()—Interconnecting Unit—Provides for Connecting Customer-Provided Telephone Answering Systems to Bell System Co. Lines◆

SD-69612-01 (J53050A, L1)—Station Systems—Interconnecting Unit Circuit for Use Between Bell System Manual Switchboard and Customer-Provided Intercommunicating Systems.

SD-1E206-01 (J53050C, L1 and L3)—Interconnecting Unit for DX or E and M Lead Signaling Circuit

◆SD-1E254-01 (J53050C, L2)—PBX Systems Interconnecting Unit for E and M Signaling.◆

SD-1E207-01 (J53050D, L1)—PBX Systems Interconnecting Unit for 2-Wire Tie Trunk.

◆SD-1E229-01 (J53050E, L1)—PBX Systems Interconnecting Unit for Third Wire Message Register Circuits.◆

◆SD-1E255-01 (J53050F, L1 and L1A)—PBX System Automatic Trunk Level Interconnecting Unit.◆

◆SD-1E257-01 (J53050J, L1)—PBX System Interconnecting Unit for Connecting Arrangement TAS◆

◆SD-1E245-01 (J53050G, L1 and L2)—PBX Systems Interconnecting Unit (for Connecting Arrangement CTD)◆

4. EQUIPMENT

J53050A—AT&T Co Std—Interconnecting Unit—2-Wire Connection Between Bell System Manual PBX and Customer-Provided Dial Intercommunicating Systems

Equipment—J53050A-()

List 1—Assembly, wiring, and equipment for one unit per SD-69612-01, Fig. 1, with W, X, Y, and Z options.

J53050C—AT&T Co Std—Interconnecting Unit for DX or E and M Signaling Circuit

Equipment—J53050C-()

List 1 (MD)—Assembly, wiring, and equipment for four circuits per SD-1E206-01, Fig. 1 and 2.

List 2—◆Assembly, wiring, and equipment for four circuits per SD-1E254-01.◆

List 3—◆Assembly, wiring, and equipment for four circuits per SD-1E206-01, Fig. 3 and 4.◆

J53050D—AT&T Co Std—Interconnecting Unit—Providing 2-Wire Tie Trunk Connection Between Bell System and Customer-Provided Automatic PBX Facilities

Equipment—J53050D-()

List 1—Assembly, wiring, and equipment for four circuits per mounting plate per SD-1E207-01, Fig. 1, with X and Y options.

◆***J53050E—AT&T Co Std—Interconnecting Unit for Connecting Customer-Provided Message Registers to a Remote Message Register Circuit, Where Customer Provides the Communications System and Necessary Equipment to Associate the Station With the Message Registers.***

◆Equipment—J53050E-()

List 1—Assembly, wiring, and equipment for ten circuits per mounting plate per SD-1E229-01 Fig. 1 with Y and Z options.◆

◆***J53050F—AT&T Co Std—Interconnecting Unit—Provides Direct Inward Dialing on a Trunk Level Basis from a Bell System PBX.***

Equipment—J53050F-()

List 1—Assembly, wiring, and equipment for one circuit per mounting plate per SD-1E255-01 Fig. 1 with option T.

List 1A—Assembly, wiring, and equipment for one circuit per mounting plate per SD-1E255-01 Fig. 1 with option S.◆

◆***J53050G—AT&T Co Std—Interconnecting Unit—Connects a Customer-Provided Toll Diverter to a Central Office Trunk Circuit Associated with a Bell System PBX.***

Equipment—J53050G-()

List 1—Assembly, wiring, and equipment for six circuits per mounting plate per SD-1E245-01

List 2—Assembly, wiring, and equipment for five circuits with polarity guard per mounting plate per SD-1E245-01

◆ **J53050H**—*AT&T Co Std—Interconnecting Unit—Provides Line Status Information of Bell System Lines to Customer-Provided Equipment as a High Resistance Interface.*

Equipment—J53050H-()

List 1—Assembly, wiring, and equipment for 36 circuits per mounting plate.

List 2—Assembly, wiring, and equipment for 24 circuits per mounting plate.

◆ **J53050J**—*AT&T Co Std—Interconnecting Unit—Connects a Bell System Co Line to a 1-Way Incoming Trunk Circuit Associated With a Customer-Provided Telephone Answering Service Bureau.*

Equipment—J53050J-()

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List 1—Assembly, wiring, and equipment for 10 circuits per mounting plate.

5. GENERAL NOTES

5.01 Codes J53050B (designed but not issued) and code J53050I are unassigned.

5.02 Code J53050C List 1 has been rated (MD) and is replaced by J53050C List 3.

5.03 J99344—A388.277—Interconnecting Units Master Specification has been replaced with 463-300-100 Interconnecting Devices Selection and General Information, and will be canceled.