

INSPECTIONS

COSMIC® DISTRIBUTING FRAMES

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B. Connecting Blocks	2	1.01 This practice describes items to be covered when performing inspections on the <i>COSMIC</i> ® distributing frames.	
C. Designation Strips, Labels, and Stamping	2	1.02 This practice is reissued as a part of a general restructuring, updating, and combining of the 201-series of practices. This is a general revision and revision arrows are not used. The following AT&T Practices are combined with this practice:	
D. Cabling	2	• 201-222-510	
E. Connectors and Protector Units	2	• 201-222-520	
F. Protector Unit Test Sets, KS-20100 and 182A	2	1.03 The <i>COSMIC</i> I, IA, II, and IIA Distributing Frame Systems are described in AT&T 201-222-101, and the <i>COSMIC</i> II Mini Combined Distributing Frame System is described in AT&T 201-222-120. The inspector should be familiar with these practices before performing the inspections.	
G. Test/Talk Panels	2	1.04 Procedures for protector frame inspections are contained in AT&T 201-219-501.	
H. Loudspeakers	3	1.05 Defects found during performance of regular duties, as well as those found in the course of inspections, should be noted and transmitted to AT&T for corrective action.	
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3. METHOD

3.01 The following paragraphs itemize the inspections that shall be performed to determine if the conditions are as stated under each of the headings.

A. Cross-Connection Wires

(1) Cross-connection wires are installed, terminated, and dressed in accordance with instructions in AT&T 201-222-301. Pay particular attention to the following items:

- There are 16 to 20 inches of slack on each cross-connection wire (10 inches for *COSMIC II* Mini distributing frames).
- Long jumpers are routed through the correct express trough.
- Upper support bars, at the top of the vertical jumper troughs, are used to support only those jumpers in the upper express trough that are *not* using that vertical trough.
- The proper wire insertion tool is used and is available at the frame.
- All jumpers are snapped into the fanning strips on the block (primary fanning strips).

(2) Dead cross-connections have been removed.

B. Connecting Blocks

- (1) Connecting blocks are securely fastened to the frame.
- (2) Stamping on the fanning strips is legible.
- (3) Terminals are clear of wire clippings or foreign material.
- (4) Spare connecting block locations are equipped with the properly colored filler panels, if desired.

C. Designation Strips, Labels, and Stamping

- (1) Designation labels, mounted on half-shelf designation strips, should fit properly without overlapping or peeling.
- (2) Labels are correctly placed, accurate, complete, legible, and none are missing.

(3) Designation strips, used on connecting blocks, are securely fastened, legible, and plastic covers are in place.

(4) Labels or stamping on wire retainer bars are legible.

D. Cabling

(1) Connecting block cabling is securely fastened to the framework.

(2) Cable fasteners (straps, tie cords, etc.) are in place and are not broken.

E. Connectors and Protector Units

(1) Connectors (307-type) are mounted properly and securely on the framework of facility modules.

(2) Protector units are placed properly in the connectors, including line network interface connectors (if provided).

(3) Correct type of protector unit (equal height) is installed for the type of service.

(4) There is an ample supply of the required types of protector units.

F. Protector Unit Test Sets, KS-20100 and 182A

(1) The test set is operational and indicator lights are working.

(2) The 1/4 ampere fuse in the AC power supply of both test sets is properly inserted.

(3) There is an ample supply of the required 1/4 ampere fuses.

Note: AT&T 201-208-100 covers testing of the 3-, 4-, and 5-type protector units using the KS-20100 and 182A test sets.

G. Test/Talk Panels

(1) Panel is securely fastened to the framework, front or rear of frame.

(2) Talk circuits are properly identified.

(3) Transmission and reception are satisfactory, via the audio transmitter.

(4) Pushbuttons and lamps function properly.

(5) Test battery and ground supply jacks function properly.

H. Loudspeakers

(1) Transmitter panels and speakers are securely fastened to the frame.

(2) Circuits are properly identified.

(3) Transmission and reception are satisfactory.

(4) Pushbuttons and lamps function properly.

I. Rolling Work Platforms and Wire Reels (Dispensing)

(1) Steps, including the hinged folding step, are securely fastened to the platform frame and are not split nor worn thin at the edges.

(2) The rubber bumpers and shoe pads are in place.

(3) The casters roll freely and retract when the platform is occupied.

(4) Platform mounted wire reels are securely mounted on the platform.

(5) Reels (both platform-mounted and free-standing) turn freely and the brake mechanism functions properly.

J. Special Service Devices

(1) Special service devices are properly installed on connecting blocks.

(2) There is an ample supply of new devices.

K. Service Observing Jack Panels and Cords

(1) Jack panels are fastened securely to the frame.

(2) Cords are neatly draped within the framework.

(3) Cords are not frayed; plugs are not bent or broken; and contacts are clean.

L. Electrical Outlets

(1) Frame-mounted electrical outlets are in working order.

M. Outside Plant Cable Directory and Holder

(1) Directory holders are mounted in the rear of the vertical cable trough.

(2) One set of cable directory sheets is mounted on each holder.

(3) Each directory holder is equipped with four plastic directory guards.

N. Frame Shim

(1) The base of each bay is shimmed to within 1/16-inch of the adjacent bay.

(2) Wire retainer bars are aligned and allow jumper wires to be installed easily.

O. Frame Operations Decals

(1) One set of frame operations decals is mounted on each end guard.

P. Designation Fanning Strips (Optional)

(1) Designation fanning strips are adjacent to the first and last connecting block on a half shelf to identify terminals.

Q. Frame Ground

(1) The frame must be grounded in accordance with ED-6C145-30 (*COSMIC* DF) or ED-6C316-10 (*COSMIC* Mini DF) as follows:

- Each half-module is connected to the in-line ground bus at the top of the frame.

- The in-line ground is connected to the central office ground, cable rack ground, and any other ground source as required.

- Each stub cable ground lead and 307 connector ground is securely tightened to the frame, except isolated grounds, when required.

R. Frame Stamping	201-208-103	Tools and Aids — Distributing and Protector Frames
(1) The rear side of each half-module is stamped with the module and side number.	201-208-106	Test Equipment, Cords, Plugs, Warning Markers, Guards, Insulators, and Indicators — Description and Use
(2) The rear side of the vertical channel assembly is stamped with the appropriate shelf number.	201-208-110	307-Type Connectors — Description, Use, Installation and Repair Procedures
(3) Wire retainers on the front (cross-connect) side are stamped with the associated shelf number.		
S. Reports	201-216-101	Miniature Test/Talk System — Description — Distributing and Protector Frames
(1) A record of this inspection and any repair work should be entered on an appropriate form.	201-222-101	<i>COSMIC</i> I, IA, II, and IIA Main Distributing Frame Systems — Description
4. REFERENCES		
4.01 The following AT&T Practices contain related information:	201-222-105	78C- and 112-Type Connecting Blocks — Description and Use — <i>COSMIC</i> Distributing Frame
069-132-811	201-222-120	<i>COSMIC</i> II Mini Combined Distributing Frame — Description
Punched or Wire-Type Terminals (Not Having Notches or Perforations) — Method of Making and Removing Wrapped Connections	201-222-301	78C and 112-Type Connecting Blocks, Method of Making Connections, Repair and Replacement Procedures — <i>COSMIC</i> Distributing Frames
069-140-811	801-005-164	(J90610) — <i>COSMIC</i> II Frame Systems
Soldered Connections — Using Soldering Coppers — Method of Making and Removing		
201-208-100		
3-, 4-, and 5-Type Protector Units — Description, Use, Maintenance and Test Procedures		
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