M34 DIGITAL MULTIPLEX
PERFORMANCE REQUIREMENTS
COMMON SYSTEMS

1. GENERAL

1.01 This section covers the requirements that the J98723C M34 muldem bay and J98723E M34 monitor and switch bay described in Section 801-525-153 shall meet before turnover to the telephone company.

1.02 Whenever this section is reissued, the reason for reissue will be listed in this paragraph.

1.03 No requirements are given for tests on any plug-in units which are eventually to become associated with the bays.

1.04 Reference shall be made to Section 800-630-180 covering general requirements for additional information necessary for the proper application of requirements.

1.05 The bay equipment includes diodes and relays. Precautions specified in Section 800-630-180 shall be observed to avoid possible injury to these components.

TEST EQUIPMENT

1.06 These requirements are based on use of the KS-14510, List 1 or List 5 volt-ohm-milliammeter, or equivalent, and one clip cord.

2. REQUIREMENTS

2.01 Continuity tests shall be made on all wiring run by the installer between the J98723E M34 monitor and switch bay and the central office equipment.

2.02 These tests shall be made to assure that all installed wiring is in accordance with the system drawings. During installation, when pairs or other groupings are indicated, the grouping shall be verified.

FUSING

2.03 A test shall be made to verify all fusing, including a test of its associated battery and ground wiring for freedom from opens and crosses. Verification shall assure the proper location, designation, capacity, and type of each fuse.

GROUNDS

2.04 Proper grounding of the bays shall be checked against system drawings.

TEST OF SHIELDED CONNECTIONS

2.05 The shields on shielded wiring shall be checked to assure that the circuits are properly connected and wired in accordance with wiring diagrams or circuit schematics and the requirements specified in Section 800-612-164. Where the connection is at more than one point on the apparatus or shielded wire, each point shall be verified by visual inspection.

J98723C BAY OFFICE BATTERY

2.06 After fuses at the central office battery distribution fuse board are inserted, check that −48 volts appears between the A and B −48 volt buses and the ground bus on the fuse and alarm panel, J98723AN, in the J98723C bay.

J98723C BAY FUSE ALARMS

2.07 Connect a clip cord between the fuse alarm lead ALF1 and the load terminal of the fuse mounting PU1 on the fuse and alarm panel, J98723AN, in the J98723C bay. Insert a fuse into fuse mounting PU1 and check that the fuse lamp and the appropriate office audible and visual alarms are activated.

2.08 Repeat 2.07 for the second muldem, substituting fuse alarm lead ALF2 and fuse mounting PU5 in the procedure.

J98723E BAY OFFICE BATTERY

2.09 After fuses at the central office battery distribution fuse board are inserted, check that −48 volts appears between the −48 volt bus and the ground bus on the fuse and alarm panel, J98723AL, in the J98723E bay.

J98723E BAY FUSE ALARMS

2.10 Connect a clip cord between the fuse alarm lead ALF and the load terminal of the fuse mounting PU1 on the fuse and alarm panel, J98723AL, in the J98723E bay. Insert a fuse into fuse mounting PU1 and check that the fuse lamp and the appropriate office audible and visual alarms are activated.

J98723E BAY OFFICE ALARMS

2.11 Insert a fuse into the fuse mounting FF in the fuse and alarm panel J98723AL, in the J98723E bay, and check that both major and minor office visual and audible alarms are activated. Press the MJ ACO button on the test panel J98723AF, in the J98723E bay, and check that the major office audible and visual alarms are deactivated and that the button lights up. Press the MN ACO button on the test panel J98723AF and check that the minor office audible and visual alarms are deactivated and that the button lights up. Remove the fuse from the fuse mounting FF in the fuse and alarm panel J98723AL, in the J98723E bay, and wait 10 seconds. Insert the fuse into fuse mounting FF and check that the MJ ACO and MN ACO buttons do not light up.

2.12 Connect a clip cord between pin 12 and pin 13 in shelf location 01-25, in the J98723E bay, and check that the minor office audible and visual alarms are deactivated. Connect the clip cord between pin 62 and pin 63 in shelf location 01-23, in the J98723E bay, and check that the major office audible and visual alarms are deactivated.

TEST PANEL

2.13 Press the AUTO SW INH, STOP ON FAIL, and TEST pushbuttons on the test panel J98723AF, in the J98723E bay, and check that each button is alternately lighted and extinguished as it is repeatedly pressed.

OPERATIONAL TESTS

2.14 The operational tests require the installation of plug-in units. This will necessitate most of the circuit packs to equip the J98723E bay and enough circuit packs to completely equip one muldem in a J98723C bay.

2.15 Tests shall be made as specified in task oriented practices (TOP) manual, Section 365-671-000, to assure proper operation of the bays.

3. TEST REPORTS AND RECORDS

3.01 The required record of these tests shall be entered on the proper form.