

PERFORMANCE REQUIREMENTS

T1/OS SPAN TERMINATING BAY CIRCUITS

COMMON SYSTEMS

1. GENERAL

1.01 This section covers the requirements that the J98728A, J98728B, and J98728C T1 outstate (T1/OS) span terminating bays shall meet before being turned over to the telephone company.

1.02 Except for optional tests that the telephone company may request, no requirements are given for tests on any plug-in units that will eventually be associated with the bay.

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

1.04 The bay equipment includes coils, diodes, relays, and transistors. Precautions specified in Section 800-630-180 should be observed to avoid possible injury to these components.

1.05 Test Equipment: These requirements are based on use of the KS-14510, L1 or L5 volt-ohm-milliammeter or equivalent.

2. REQUIREMENTS

2.01 Tests for continuity, fusing, grounds, and shielded connections shall be made as specified in Section 800-630-180.

BAY, FUSE, AND ALARM CIRCUITS

2.02 After fuses at the central office battery distribution fuse board (BDFB) are inserted, check that -48 volts appears between the battery side of fuse holder F7.0 and the ground bus on the fuse panel, ED-2C373. If +130 volts and/or -130 volts are required for line powering, check for these voltages at fuse holders F6.0 and F8.0, respectively. Repeat above tests using fuses F7.5, F6.5, and F8.5.

2.03 If this is a combined D3/T1 bay, check for 20-Hz ringing signal at fuse posts F16.0 and F16.2. The ringing signal should read between -34 and -56 volts on the dc scale and 86 volts rms on the ac scale of the volt-ohm-milliammeter.

2.04 Momentarily ground terminal 14 of terminal strip TSC (terminal 49 of TSC for combined D3/T1 bay) and check that the *major* audible and visual alarms are activated. Momentarily ground terminal 18 of TSC (terminal 53 of TSC for combined D3/T1 bay) and check that the *minor* audible and visual alarms are activated.

OPTIONAL TESTS

2.05 The telephone company may require the option of an operational test, including plug-in units, of certain bay modules. This will necessitate enough circuit packs to equip the common section plus some per-channel portion of each equipment unit.

2.06 D3 Channel Bank: Tests shall be made as specified in Section 365-150-501, charts 2 and 3, to assure proper operation of each D3 bank installed in the bay. In addition to common equipment plug-in units, circuit packs must be provided for each assigned channel. If assignments have not been made, 12 channel units of any type may be used for testing.

2.07 Hot Spare and Maintenance Panel: Tests specified in Section 365-150-501, chart 1, shall be made to assure proper operation of the hot spare unit.

2.08 Span Terminating Module: Tests specified in Section 365-224-600, chart 21, shall be made to assure proper operation of each span terminating module in the bay.

2.09 Order-Wire and Fault Locate Panels: Tests specified in Section 365-224-600, charts 3 and

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5, shall be made to assure proper operation of the order-wire and fault locate units.

2.10 Remove all circuit packs and apparatus used in conducting tests to verify performance requirements.

3. TEST REPORTS AND RECORDS

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