

RADIO ADMINISTRATION MICROWAVE RADIO REPEATER DESIGNATIONS

1. GENERAL

1.01 This section covers the use of printed designations for TD-2 radio bays. The designations are covered on Form E6395, consisting of eight sheets of R unit numbers.

1.02 The purpose of these forms is to provide uniform appearance as well as consistent channel identification. Requests for channel releases, switch tests, etc., should be made using only the R number (not MUR or channel 4 West to East, etc.).

1.03 Each designation (Fig. 1) used from an E6395 sheet should be filled in as follows:

- (a) The R unit designation should agree with the circuit layout card. Refer to Section 682-300-012 for definition of a radio unit and R unit assignments.
- (b) The FROM and TO lines should show the adjacent radio station.
- (c) The SWITCH SECTION line should show the names of the transmitting and receiving-end switching offices.
- (d) The CALC. SECTION LOSS should be obtained from station records. If not available from station records, contact Transmission Engineering to obtain the value.
- (e) The RCVD CARR PWR value is obtained as a result of tests made using Section 410-410-506. The value of RCVD CARR PWR should be established when the path loss is correct and there is no fading activity.

2. ORDERING

2.01 Order Form E6395 from:

American Telephone and Telegraph Co.
Information Distribution Center
60 Kingsbridge Road
Room C190
Piscataway, N. J. 08854

2.02 Form E6395 consists of eight different sheets; all of which may not be needed at all radio stations. Order only those sheets which are applicable and in quantities which are needed for immediate usage.

2.03 Form E6395, sheets 1 through 8, contains the following:

Sheet 1—TD-2 Repeater Designations R101 through R106

Sheet 2—TD-2 Repeater Designations R107 through R112

Sheet 3—TD-2 Repeater Designations R201 through R206

Sheet 4—TD-2 Repeater Designations R207 through R212

Sheet 5—TD-2 TRANS-REC Designations:

REC R101	TRANS R201
REC R102	TRANS R202
REC R103	TRANS R203
REC R201	TRANS R101
REC R202	TRANS R102
REC R203	TRANS R103

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

SECTION 400-400-005

Sheet 6—TD-2 TRANS-REC Designations:

REC R104	TRANS R204
REC R105	TRANS R205
REC R106	TRANS R206
REC R204	TRANS R104
REC R205	TRANS R105
REC R206	TRANS R106

Sheet 8—TD-2 TRANS-REC Designations:

REC R110	TRANS R210
REC R111	TRANS R211
REC R112	TRANS R212
REC R210	TRANS R110
REC R211	TRANS R111
REC R212	TRANS R112

Sheet 7—TD-2 TRANS-REC Designations:

REC R107	TRANS R207
REC R108	TRANS R208
REC R109	TRANS R209
REC R207	TRANS R107
REC R208	TRANS R108
REC R209	TRANS R109

R101

FROM _____

TO _____

SWITCH SECTION _____

CALC. SECTION LOSS _____ DB

RCVD CARR PWR _____ VOLTS

Typical TD-2 Repeater Designation

REC - R110

FROM _____

CALC. SECTION LOSS _____ DB

RCVD CARR PWR _____ VOLTS

TRANS - R210

TO _____

Typical TD-2 TRANS REC Designation

Fig. 1—TD-2 Designations