

## NO. 4 ESS OFFICES TERMINAL BALANCE RECORDS

### 1. GENERAL

1.01 This section specifies the form for recording the terminal balance measurements in No. 4 Electronics Switching System (ESS) offices. The terminal balance requirements are found in Section 660-460-301. A general discussion of No. 4 ESS balance is found in Section 660-460-100.

1.02 When this section is reissued, the reasons for reissue will be given in this paragraph.

### 2. OFFICE BALANCE RECORDS

2.01 The terminal balance requirements for a toll switching office are specified in terms of echo return loss (ERL) and singing return loss (SRL). Section 234-150-001 describes the methods used to measure the ERL and SRL of No. 4 ESS trunks. The ERL and SRL measurements are recorded in the circuit maintenance system (CMS) during the circuit order procedure used to establish or rearrange a trunk.

2.02 The ERL and SRL measurements of all toll connecting (TC) trunks must also be recorded on form E6006 as described in 3.01. These forms are to be available to the transmission engineer who has the responsibility for office balance certification.

2.03 In some cases, the office balance has already been completed without recording the ERL and SRL measurements on form E6006. In those cases, the measurements must be retrieved from the CMS file and manually transcribed on E6006 forms.

2.04 It is anticipated that this manual process will be replaced by a program in a future generic.

### 3. E6006 FORM

3.01 The required entries on the E6006 form (Fig. 1) are:

OFFICE—Office name

TRUNK GROUP—Common language identification less trunk number

TEST NO.—Not required

PATH TESTED—Check appropriate block

**Note:** Trunks having more than one path should be entered on a separate form E6006.

COLUMN A—Trunk number portion of the common language identification number

COLUMN B—Expected measured loss

COLUMNS C AND D—Actual measured loss in the direction indicated

COLUMN E—ERL measurement made using appropriate procedures in Section 234-150-001

COLUMN F—SRL or SRL/HI measurement, whichever is lower (worst case, see Section 234-150-001)

COLUMN G—Not required

COLUMNS H, I, J and K—Requirements obtained from Section 660-460-301

COLUMN L—Not required

COLUMN M—Date test made

COLUMN N—Note or remarks

### NOTICE

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

**SECTION 660-460-010**

TESTER NAME—Initials or sign of tester

two pads per package. Order in multiples of 100.  
The ordering information is:

**3.02** E6006 forms may be obtained from the  
Western Electric Company in pads of 50,

(Quantity) Form E6006.

