

**NETWORK SWITCHING PERFORMANCE MEASUREMENT PLAN**  
**INTEGRITY REVIEW**  
**NETWORK SWITCHED SERVICES**  
**NO. 5 CROSSBAR OFFICES**

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**1. GENERAL**

**1.01** The integrity review contained in this section provides the general guidelines for assuring the validity and accuracy of results submitted under the No. 5 Crossbar Network Switching Performance Measurement Plan (NSPMP).

**1.02** Whenever this section is reissued, the reason(s) for reissue will be given in this paragraph.

**1.03** The title for each figure includes a number(s) in parentheses which identifies the paragraph(s) in which the figure is referenced.

**2. OBJECTIVE**

**2.01** The overall objective of the integrity review is to provide a method of reviewing the No. 5 crossbar NSPMP in order to assure its accuracy and reliability.

**3. LIMITATIONS**

**3.01** This section is designed to provide a method of reviewing the No. 5 crossbar NSPMP. This section does not change the guidelines for indices defined in Section 218-020-005.

**3.02** The integrity review should not be regarded as a personnel evaluation plan. Proper application will assist management in identifying engineering, administration, and maintenance problems that distort the accuracy of the No. 5 crossbar NSPMP.

**3.03** The No. 5 crossbar integrity review is designed so that it can effectively be used to review all or part of the switching control center. It can also be used by local office supervision to identify trouble. However, the use of the review should not be limited to central office review functions.

**4. DATA COLLECTION**

**4.01** The No. 5 crossbar data registers are the primary source of data used for the NSPMP. Refer to Section 218-020-005 for expanded references of source data.

**4.02** Other inputs are provided by the data processing group (comptrollers), service observing, and the equipment outage log. All source data for the NSPMP must cover the same time frame, from the 23rd of the month to the 22nd of the following month.

**4.03** A method of assuring that data is properly collected is covered in paragraphs 4.04 through 4.07. (See Fig. 1.)

**NOTICE**

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**SECTION 218-020-006**

**4.04** Data collected from the register readings on Form E-4744 should be compared to the No. 5 crossbar Control Record, E-5480, to ensure that the transcription was made correctly.

**4.05** Data collected from Form E-5480 should be compared to the appropriate lines of Form E-6420A for accuracy.

**4.06** If data is reconstructed, verify that it follows the guidelines of (General Letter) GL77-01-123.

**4.07** Obtain data from all groups that have input to Form E-6420A.

**4.08** If a mechanized data collection system is used, obtain at least the last 3 months' data used for input on Form E-6420A.

**4.09** Verify that sufficient data rules are followed for "busy hour" and 24-hour daily measurements. Refer to Section 218-020-005.

**4.10** Verify that the base equipment counts and outages are properly accounted for on forms per Section 218-020-005.

**5. VERIFICATION OF FORM E-6420A**

**5.01** Figure 2 and paragraphs 5.02 through 5.06 of this section provide a guideline to determine the accuracy of Form E-6420A. This guideline assumes that all source data is transcribed to Form E-6420A correctly and that the computations are correct. Other guides are used to check data collection and data validity.

**5.02** Obtain copies of Form E-6420A from Operating Telephone Companies—Centralized Results System (OTC-CRS) for at least 3 prior months. If necessary, obtain from Switching Control Center or staff locations. Using the collected data, verify

that each entry placed on Form E-6420A computes properly with the collected data.

**5.03** Verify all empty entries in order to validate that the office is not equipped for the measurement; due to either an equipment or generic program. Documentation should be maintained to substantiate any empty entries. (See Section 218-020-005.)

**5.04** If any lines are NA (not applicable), there should be documentation available to validate the reason the measured failure and/or base data is not available. The NA entry is considered Band U performance. (See Section 218-020-005.)

**5.05** If deductions are taken, verify that they are taken and documented properly. (See Section 218-020-005.)

**5.06** Form E-6420A is not required if using OTC-CRS. All the data is taken from Form E-6420A.

**6. VERIFICATION OF FORM E-6420B**

**6.01** Figure 3 provides guidelines for checking results reporting and record retention for Form E-6420B.

**6.02** All performance data recorded on Form E-6420B should be taken directly from the associated E-6420A reports. The total number of offices reported on Form E-6420B should agree with the total number of No. 5 crossbar offices within the territory being summarized. The reviewer should also check that all offices that should be reporting results are included on Form E-6420B.

**6.03** It is imperative that all personnel involved with any discrepancies in preparing the NSPMP be thoroughly instructed to prevent any further errors.

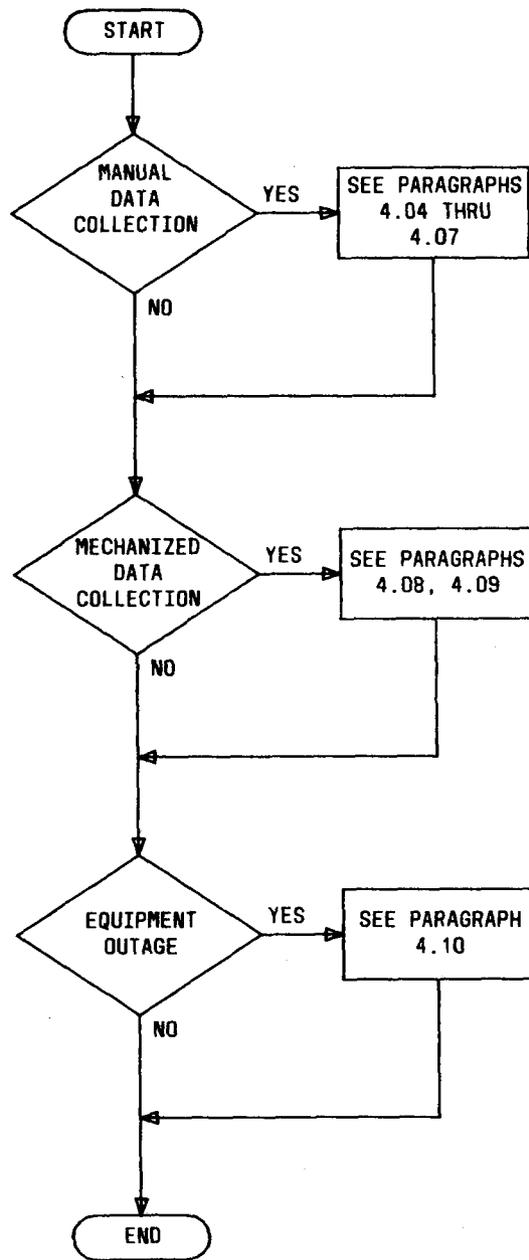


Fig. 1—Data Collection Flowchart (4.03)

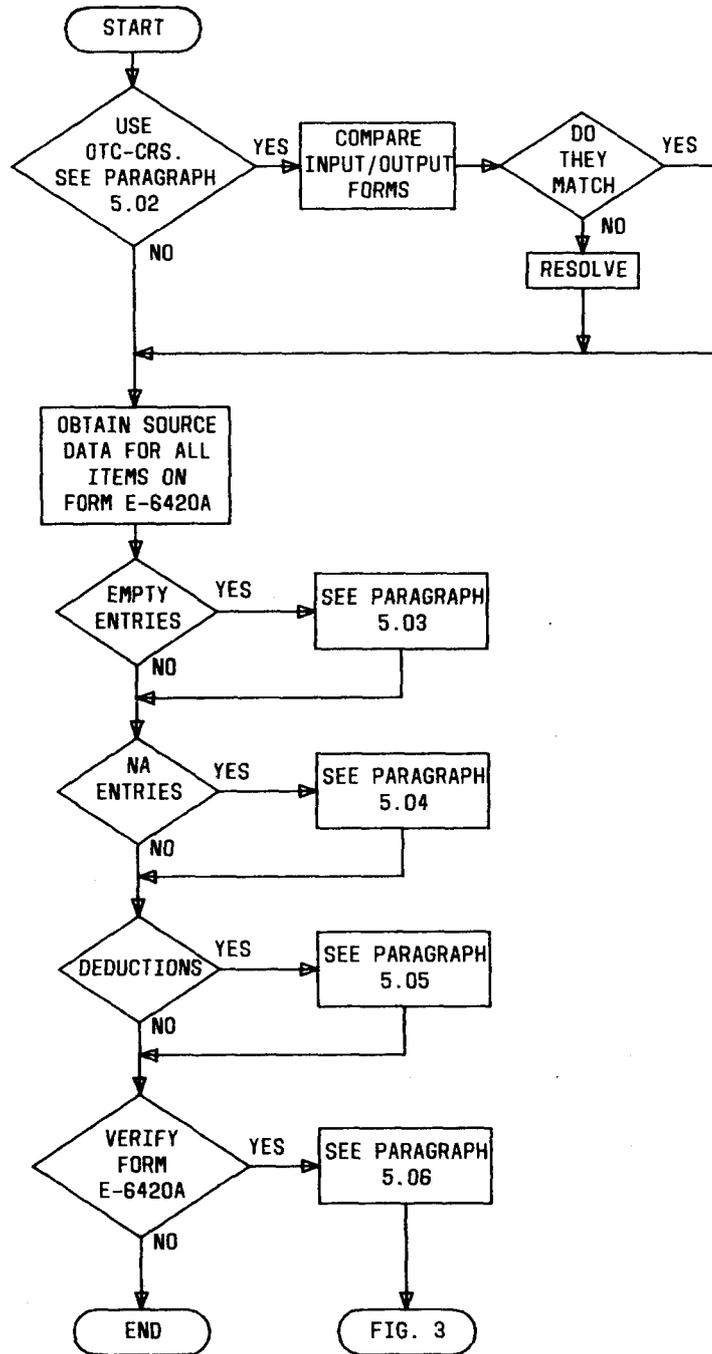


Fig. 2— Form E-6420A Verification Flowchart (5.01)

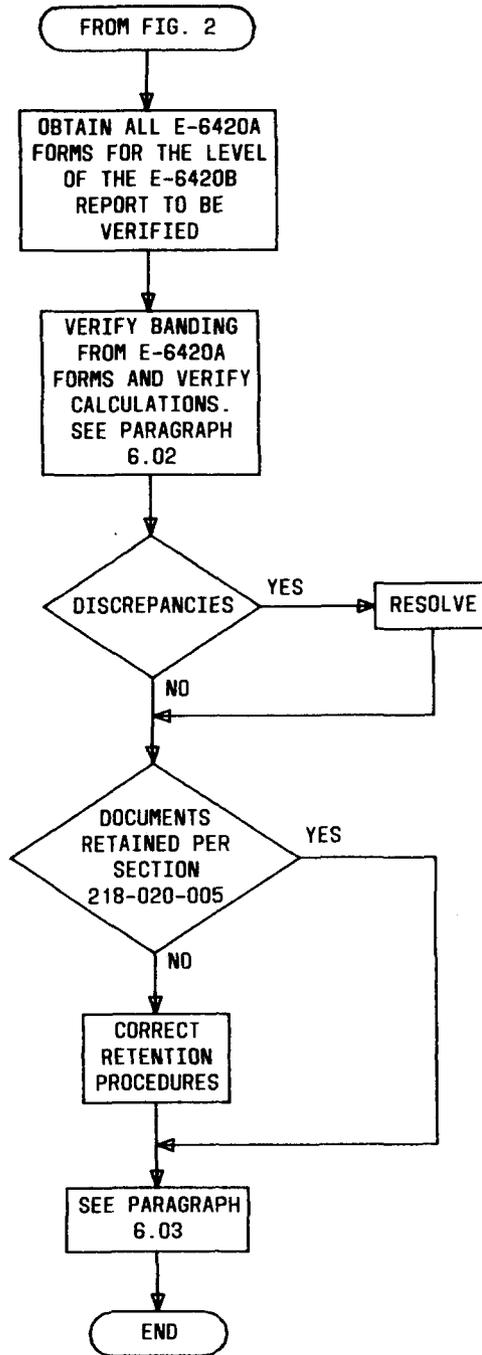


Fig. 3—Form E-6420B Verification Flowchart (6.01)