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ELECTRONIC SWITCHING SYSTEMS NO. 5 MASTER CONTROL CENTER AND SUPPLEMENTARY TRUNK LINE WORK STATION CIRCUIT

SECTION I - GENERAL DESCRIPTION

1. PURPOSE OF CIRCUIT

1.01 The master control center (MCC) provides the interface capability for both administrative and maintenance tasks. The trunk and lines work station (TLWS) and supplementary trunk and lines work station (STLWS) allow trunk and lines testing.

2. GENERAL DESCRIPTION OF OPERATION

2.01 Human Interface System: The master control center is the primary communication link between maintenance personnel and the No. 5 ESS. The MCC consists of the following major components:

Video terminal with keyboard

Receive-only printer (optional)

Key telephone set with loudspeaker

Trunk and line work station test access unit.

2.02 The page displays on the video terminal provide the means to communicate with the system during performance of a maintenance task. Maintenance requests are input through the keyboard, and the receive-only printer prints a hard copy of input and output messages so that a hard copy record is available for future reference. The key telephone set is used to communicate with work areas outside the office. The telephone set can be used independently of the No. 5 ESS office, thereby ensuring outside communication during office outage. The key telephone set is equipped with a loudspeaker to provide voice communication during times when maintenance personnel require free use of their hands.

2.03 The TLWS shares the same physical equipment as the No. 5 ESS master control center. The TLWS consists of:

Video terminal with keyboard

Key telephone set with headphone arrangement

Test access unit (TAU)

Receive-only printer (ROP).

Additional test equipment can be used to perform some TLWS functions. The MCC input/output and display conventions are also used by the TLWS. Although the TLWS and MCC share the same equipment, functional differences exist between them. These differences include the MCC functions mode and the TLWS functions mode. The TLWS functions are subfunctions of the MCC. Normally, the equipment is in the MCC mode. When performing TLWS functions, the equipment is switched automatically to the TLWS mode.

2.04 The STLWS capability allows a No. 5 ESS to be equipped with additional trunk and line work stations that are separate from the MCC. This capability allows the operating company to separate trunk and line testing activity from the MCC so that several craft personnel can work simultaneously at different work stations.

SECTION II - DETAILED DESCRIPTION

1.01 Information for this section will be covered in a subsequent issue.

SECTION III - REFERENCE DATA

1. WORKING LIMITS

1.01 None.

2. CONNECTING CIRCUITS

2.01 None

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