SLC® Series 5 Carrier System

MC97755A1( ) (COT) Bank Control Unit—5SCSF60 (MC97755A1), or 5SCSFK0 (MC97755A1B), or 5SCSFL0AAA (MC97755A1C)

Features/Functions

The MC97755A1( ) bank control unit (BCU) and the AUB6( ) alarm display unit (ADU) form the bank controller (BC) for the *SLC* Series 5 COT. The BC provides the following functions:

- Conducts internal performance monitoring and fault diagnosis
- Provides switches (on ADU) for system options and system identification
- Provides memory for channel unit (CU) provisioning coefficients
- Controls T1 protection switching
- Controls line or CU testing as commanded by the extended test controller (XTC) or pair gain test controller (PGTC)
- Recognizes and alarms only 2B+D placement violations of the BRITE II CUs (MC97755A1B and MC97755A1C, only)

Description

This data sheet describes the MC97755A1( ) BCU (COMCODE 105272629 for MC97755A1, or 107036931 for MC97755A1B, or 108669557 for MC97755A1C) and is

intended for the end-user of the unit. The MC97755A1( ) BCU is used in the *SLC* Series 5 central office terminal (COT) feature package C (FPC).

The BCU contains a microcomputer that is the core of the bank controller. It also has system program memory, electrically erasable programmable read-only memory (EEPROM) for the semipermanent storage of CU provisioning coefficients, and random access memory. The COT communicates with the remote terminal (RT) over a data link embedded in the A digroup. The BCU controls this data link to exchange system alarms, T1 protection switching, and circuit test information between the central office (CO) and the RT.

The BCU controls the framing format. In FPC the system operates with the extended super frame (ESF) (Fe) format with D4 counting.

Figure 1 shows the faceplate of the MC97755A1C BCU.

Reason for reissue

This data sheet is being reissued to describe the MC97755A1C BCU, which supports BRITE II ISDN capability in a COT FPC configuration (the RT uses the MC97776A1 [B or higher] BCU). As of this issue, the MC97755A1 supports DCU services, but not ISDN. MC97755A1B supports ISDN, but not DCU services. MC97755A1C supports both DCU and ISDN services.

The MC97755A1C was designed because of discontinued components on the MC97755A1B. The MC97755A1C supersedes the MC97755A1 and MC97755A1B in all applications including those using digital connectivity units (DCUs).

Faceplate Features

The LED indicators located on the faceplate of the BCU provide the following functions.

FAIL (Red LED)—When lighted, this LED indicates that failure has been sectionalized to the BCU. It is normal for the FAIL to light during system turn up.

A (Red LED)—When lighted and accompanied by an MJ LED indicator on the ADU, this LED indicates that the A digroup is in trunk processing.

B (Red LED)—When lighted and accompanied by an MJ LED indicator on the ADU, this LED indicates that the B digroup is in trunk processing.

C (Red LED)—When lighted and accompanied by an MJ LED indicator on the ADU, this LED indicates that the C digroup is in trunk processing.

D (Red LED)—When lighted and accompanied by an MJ LED indicator on the ADU, this LED indicates that the D digroup is in trunk processing.

PMN (Yellow LED)—When lighted, this LED indicates a failure in the AC power source or the AC rectifier at the RT site.

MISC1 (Yellow LED)—When lighted, this LED indicates that the RTMISC1 input closure at the RT has been activated.

MISC2 (Yellow LED)—When lighted, this LED indicates that the RTMISC2 input closure at the RT has been activated.

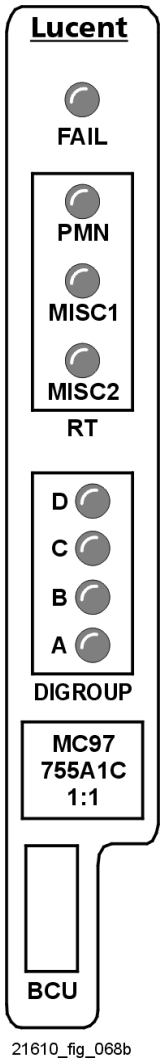

Figure 1. MC97755A1C COT Bank Control Unit Faceplate

Technical Assistance

Follow local procedures for obtaining technical assistance. Lucent Technologies also provides in-hours or emergency out-of-hours help for the *SLC* Series 5 Carrier System. Call the Lucent Regional Technical Assistance Center at 1-800-225-RTAC.

Ordering Information

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