Burroughs
Computer
Management
System

System
Software
Specifications

MCP

Master Control Program

for the B 80

Computer System

STYLE NUMBER

CM 80 MCP

CAPABILITY

Burroughs advanced Master Control Program (MCP) is a comprehensive operating system for B 80 Systems. It functions in complete integration with B 80 logic to:

(a) simplify system operation and control

(b) provide automatic multi-programming

(c) centralize input/ouput control and data communications control

(d) permit the use of high-level, user-oriented programming languages, and

(e) accommodate future growth without re-programming

MCP reduces programming and operating costs alike, while increasing both the system's productivity and responsiveness to the user's needs.

EASE OF OPERATION

- MCP manages all computer resources for system efficiency

    Controls memory space

    Assigns peripheral units as needed

    Facilitates random access disk file storage of programs and data

    Manages program library

    Retrieves jobs for processing

- Improves computer staff efficiency by simplifying system operation.

- Communicates with the operator in abbreviated English phrases.

SIMPLIFIED SYSTEM CONTROL

- Provides operator/system communication via console printer.

- Notifies operator of missing data, errors, start and end of jobs, and special conditions.

- Provides status of all active jobs upon request.

More Results Through Automatic Multi-Programming

- Runs segments of multiple programs concurrently:

    Automatically allocates memory areas

    Initiates I/O operations

    Provides automatic error handling procedures

- Accepts programs in any sequence.

- Executes programs according to priorities.

- Keeps all hardware/software components functioning at capacity for maximum task throughput.

Centralized Input/Output Control for Total System Efficiency

- Obtains input data automatically.

- Transfers output data to peripherals.

- Multi-programs data communications and on-site work automatically.

- Works with Processor I/O control logic to optimize concurrent use of channels.

Programming Flexibility With User-Oriented Languages

- Accepts source programs in COBOL, RPG, NDL and MPL II.

- Guides compilation of programs.

- Assists in the use of utility functions (sort, merge, edit) and media conversion aids.

- Automates many tedious and costly programming operations such as:

  Memory allocation

  Loading routines

  File opening and closing

  Input/Output procedures

  Console file handling

  Indexed file handling

  Program library calls

  Error handling

  Other computer "housekeeping"

- Saves time and money

  Programmers can concentrate on problem solutions

  Less training time for programmers

  More time for constructive programming

Growth Without Re-Programming

- The MCP lets you add memory, peripheral devices, data communication and terminal systems as you need them.

- Automatically recognizes system configuration.

- Permits confident, long-range planning.

SYSTEM REQUIREMENTS

Central
Processor: B 80

Peripherals: Burroughs Super Mini-Disk or Cartridge Disk

PRODUCT IDENTIFICATION

Program ID	Description	Media	Support Category
CM 80 MCP	Operating System	Object Code	A*

Support Category A indicates a "Supported Licensed Program" as defined in the Program Products License.