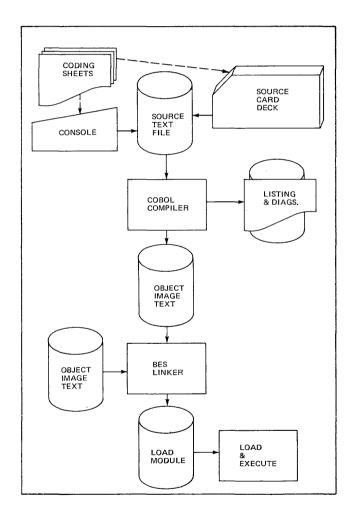# Honeywell

SERIES 60 (LEVEL 6)

GCOS/BES 2
COBOL

COBOL (Common Business Oriented Language) is a high-level computer language that allows the user to concentrate efforts to develop applications software without understanding the intricacies of a computer system. With its English-like statements, the language is easy to learn and use. Moreover, the cost of writing and executing COBOL programs is significantly reduced by coupling Honeywell's low-cost hardware and entry-level COBOL.

GCOS/BES (General Comprehensive Operating Supervisor/Basic Executive System) COBOL is an entry-level subset of Honeywell's Series 60 (Level 6), and approaches the American National Standards Institute 1974 standards for COBOL. The compiler operates on Model 6/34 and 6/36 central processors with a minimum of 16K words of main memory, disk or dual diskette, and console device.

COBOL LANGUAGE

The COBOL source-program coding format and the symbology adopted for the representation of the language elements are identical with those implemented in other COBOL systems. COBOL programs consist of the following four major divisions:

- *Identification Division* — Identifies the source-program and provides documentary information
- *Environment Division* — Specifies the Level 6 processor that will compile the source program, the Level 6 processor to execute the object program, and the relationship between data files and the input or output devices
- *Data Division* — Describes the data to be processed by the object program
- *Procedure Division* — Contains the procedures to be used in processing data

COBOL COMPILER CAPABILITIES

- The programmer prepares COBOL source text on diskette using the standard Honeywell GCOS/BES Text Editor.
- The compiler utilizes disk or diskette as workfiles.

- Object text is stored on diskette (or disk), ready for linking with other compiled/assembled modules.
- A stream of COBOL programs can be compiled as a batch.

FEATURES OF GCOS/BES2 COBOL

- Supports sequential and relative files
- Supports disks or diskettes, card readers/punches, line serial printers, ASR/KSR, and a simple interface to the CRT
- Provides simple debugging capability
- Provides basic programming elements, such as, ADD, SUBTRACT, DIVIDE, MOVE, GO TO, PERFORM, EXIT, IF, ACCEPT, DISPLAY, CALL, and STOP
- Provides file handling capabilities: open, close, read, write, rewrite, and delete
- Provides table handling, subscripting, or indexing to 3 levels and support of the SET statement
- Provides data handling (DISPLAY data) and comprehensive description via picture
- Provides full editing facilities

SYSTEM REQUIREMENTS

Minimum equipment required:

- Level 6 central processor with 16K words of main memory.
- Dual diskette unit (or disk)
- System console (KSR teleprinter or equivalent)

Optional equipment:

- Additional memory up to 65K
- Line printer
- Serial printer

EQUIPMENT FUNCTIONS

- Command input − KSR − operator console
- Source text − disk or diskette
- Object text − disk or diskette
- Compiler work files − disk or diskette
- Listing file − disk or diskette, serial or line printer

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Specifications may change as design improvements are introduced.

Honeywell