



SW1814 CIS COBOL* for RC855

GENERAL

CIS COBOL provides a comprehensive and completely interactive COBOL program development tool for the RC855 work station.

CIS COBOL conforms to the ANSI 1974 standard of COBOL. Programs can easily be transferred to and from other computers.

CIS COBOL include features specifically tailored for interactive applications in which the user communicates directly with the program by means of the VDU (visual display unit) and the keyboard. It also caters fully for interactive program development.

The two principal components of CIS COBOL are the CIS COBOL Compiler and the CIS COBOL Run Time System.

CIS COBOL Compiler

The compiler conforms to the GSA specifications for Federal LOW – Intermediate COBOL.

At level 1 it fully implements the following nine ANSI modules:

- NUCLEUS
- TABLE HANDLING
- SEQUENTIAL I-O
- RELATIVE I-O
- INDEXED I-O
- LIBRARY
- INTERPROGRAM COMMUNICATION
- SEGMENTATION
- DEBUG

In addition many level 2 features are implemented, such as:

- NUCLEUS: NESTED IF, PERFORM UNTIL.
- RELATIVE and INDEXED SEQUENTIAL I-O: START statements, DYNAMIC statements.
- INTERPROGRAM COMMUNICATION: fully implemented.

Furthermore CIS COBOL offers a number of extensions for the development of interactive applications:

- advanced display formatting and data entry techniques centred around the use of the ACCEPT and DISPLAY statements.
- the facilities of representing the cursor and its address by program variables and of using the statements ACCEPT or DISPLAY at any point on the display screen.
- to edit by MOVE and normalize; to permit free format input of numeric items and their automatic conversion to COBOL picture format.
- the ability to allocate external file names at run time.

CIS COBOL also includes a number of extensions specifically directed at making COBOL easier to use on a smaller system.



CIS COBOL Run Time System

The run time system is required to execute both the compiler and the CIS COBOL application programs. It is the same run time system which is used in both cases as the compiler itself is written in COBOL.

Among the functions of the run time system are: the interpretation of the CIS COBOL intermediate code; file handling support; VDU interfacing; support of interactive debugging.

REQUIREMENTS

The CIS COBOL software package requires an RC855 work station with CP/M* and minimum one flexible disc drive.

OPTIONAL PRODUCTS

SW1817: FORMS2 for CIS COBOL

Display screen editor. Builds CTR-formats with protected/unprotected fields.
Output of COBOL data description for copying into CIS COBOL programs.

SW1815: CIS COBOL OPTION for MULTIPLE MACHINES

Licence for using CIS COBOL on multiple computers at a single location.

SW1816: CIS COBOL OPTION for APPLICATION VENDOR

Licence for reselling CIS COBOL Run Time System incorporated into application products.

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