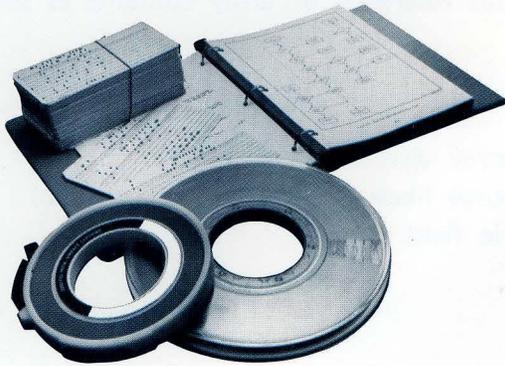


Datacraft®

Product Bulletin No. PB61119-00



REPORT PROGRAM GENERATOR (RPG II)

FEATURES

Adding to Datacraft's "big-machine" software is the Report Program Generator, Two (RPG II), a software program that directs the production of output reports by describing the input file and format in addition to the report data.

The RPG II compiler operates under control of the Disc Monitor System with 8K or core exclusive of the system. This software package provides a convenient and efficient means for the preparation of reports from information available in machine-readable form, and for updating or establishing files of information. Ever mindful of programming-to-production time of user tasks, RPG-II has incorporated extensive error-checking procedures and meaningful diagnostic messages that emphasize cost savings. RPG-II input/output capabilities include paper tape, cards, magnetic tape and disc. Also supported are multiple tape and disc drives. RPG-II advantages are further highlighted by thorough file handling features. Salient features supported by the RPG-II compiler include:

- Indexed sequential file manipulations (Adding, Loading, Updating)
- Direct file manipulations
- Subroutine calling
- Array handling
- Special input functions: READ, FORCE, CHAIN
- DEBUG statement
- Bit setting and testing
- AND/OR operations for calculations
- *PLACE operation on output
- Compile-time, pre-execution time, execution time, arrays or tables
- Automatic page numbering
- Look-Ahead fields

FORTRAN, assembly language, or RPG-II can interchangeably create, access, or update files. Thus files may be updated in a real-time mode by foreground assembly language programs (Under DMS); scientific data reduction can be done by a FORTRAN program and a comprehensive report be prepared by RPG-II operating in the background. To further enhance the effectiveness of RPG-II, Datacraft has included these extensions:

- Array equivalencing: Enables simultaneous reference of array contents as several different length fields
- Table equivalencing
- Ability to initiate execution of another main program
- Special move instructions for multiple array element manipulation
- Ability to include source lines from 'source library' (available thru system)
- 1, 2, 3, 4, 5, and 6-byte binary numeric field options.

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