SW3400/3 Data Entry Application Software

SW3400/3: Data Entry Application Software Package, version 3.

- ● **ALL OPERATIONS TAKE PLACE UNDER RECORD FORMAT**

- ● **INITIAL KEYING AND VERIFICATION CAN PROCEED SIMULTANEOUSLY**

- ● **EDITING FACILITIES ARE EXTENSIVE, YET EASY TO USE**

- ● **NEW FORMATS CAN BE CREATED BY THE KEYSTATION OPERATOR**

- ● **14 FUNCTION KEYS, FOR USER DEFINED FUNCTION/COMMAND SEQUENCES**

- ● **POSSIBILITY FOR OPERATOR TRANSPARENT INTEGRATION OF RJE EMULATOR SOFTWARE**

- ● **HIGHLY RELIABLE MAXI PERFORMANCE SYSTEM**

- ● **USING THE RC851 DISPLAY TERMINAL, THE LATEST CONCEPTS IN APPLIED ERGONOMICS IN KEYSTATION DESIGN ENSURES MAXIMUM DEGREE OF OPERATOR CONVENIENCE**

GENERAL

The RC3600 data entry system permits the collection of data on disc files from up to 24 local or remote keystations under record format control. The disc capacities vary from 2.4 million bytes to 33 million bytes. Completed data batches or jobs can be transferred to magnetic tape, flexible disc or – in remote job entry fashion – to a central computer for processing. New formats are easy to create, and any format included in the system can be accessed by all keystations simultaneously.

Validation, editing, skipping, duplication, arithmetic operations and batch accumulation are some of the many possibilities provided by the system. The translation of format programs, extraction of statistics, transfer of completed batches and other management functions are all assigned to a designated supervisory keystation.

The data entry functions operate via a combination of program packages, which can be modified to customize them to the particular needs of each installation. The performance of all keyoperator functions is guided by status information, guidance information, i.e. fill-in-the-blanks, and operator messages appearing on the keystation display screen. Supervisory functions are performed by application programs, written in MUSIL.

The record formats consist of a number of subformats. Any number of formats can be accommodated, limited only by available disc capacity. Up to 36 subformats can be automatically or manually linked within each format.

Data is organized into fields of up to 80 characters in length, keyed records of variable length, and output records of variable length, the record length being limited only by available memory and disc capacity. The structure of a record is defined by a number of field descriptions, each having two parts: a checkbox, and a program, which can be used to modify or supplement the standard checkbox parameters.

Field programs can operate on all of the keyed fields in the subformat as well as on a number of registers associated with the individual keystations. Field programs can also extract information from central disc tables (which can be changed by the supervisory keystation). Field programs are written in an easy-to-use format language (which is available to users).

The user may define sequences of commands and functions and process these by means of the function keys – each keyboard being equipped with 14 function keys.

Batches and jobs may be queued for later transmission – transparent for the operator. Various RJE emulator software packages are available.

Extended security system with check pointing, restart facilities and passwords.

Optimum degree of operator convenience by use of the latest concepts in applied ergonomics in keystation design, in particular the RC851 display terminal design.

SPECIFICATIONS

Operator functions: Select formats. – Create new data batches or re-open closed batches for further keying. – Key data fields with validation. – Edith the current record (correct characters and fields). – Flag an invalid field or record for subsequent correction. – Output records to the disc file. – Verify a keyed batch (simultaneously with the initial keying of the batch from another keystation). – Edit any batch. – Key new formats, subprograms, and tables under record format control. – Transform the keystation into the system supervisor by keyboard command.

Supervisor functions: Translation of operator-keyed programs, subprograms, and tables. – Creation and updating of disc tables. – Extraction of statistics, including: printed job statistics, batch statistics, surveys of the job, format, subprogram or table library, and disc drive surveys. – Transfer of completed batches or jobs to magnetic tape, for example. – Other management functions, including: saving, loading, deleting, listing or copying the contents of specified disc files, or the closing down of a malfunctioning keystation from the supervisory keystation.

Other features: Range sets. – Tables of legal or illegal values. – Automatic insertion of a constant in a field. – Automatic duplication of a field. – Automatic skipping of a field. – Arithmetic operations. – Display of error and other operator messages. – Check digit verification.

SOFTWARE PREREQUISITES
Domus Operating and Utility System Package, SW3001/1.