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(Produced under System Development Corporation subcontract No 202 issued by International Electric Corporation in performance of contract AF-30(635)-11583)

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DOCUMENTATION

OF THE

JOVIAL INTERPRETER SYSTEM

DOCUMENTATION OF THE JOVIAL INTERPRETER SYSTEM

The purpose of this document is to define, describe, and formalize the documentation of the JOVIAL Interpreter System. A series of Field Notes will be prepared detailing the various phases of the system; including components, organization, and operation. The documentation series will be sequentially numbered and is described below in that order. It is expected that the documentation will be released at the same time the system is turned over to the prime contractor. This date is currently scheduled as 1 February 1960. The concurrent release philosophy has been adopted in an effort to minimize the changing and updating of documentation generally inherent in the early days of new systems. It is hoped that by holding the documentation until release of the system, the number of corrections or revisions to the documents will be minimized. However, it is planned to update the documentation series as the need arises.

FN-LO-196 -- DOCUMENTATION OF THE JOVIAL INTERPRETER SYSTEM

The present Field Note is intended to be a "cover" document describing the purpose, format, and useage of the documents for the JOVIAL Interpreter System.

FN-LO-197 -- A USERS' MANUAL FOR THE JOVIAL INTERPRETER SYSTEM

The purpose of this manual will be an attempt to collect in one document the various data required for optimum usage of the JOVIAL Interpreter System. It is felt that programmers who will be using the system will find it more convenient to use one document containing all users' information, rather than having to refer to the individual program specifications. This manual, of necessity, will not include the detail shown in the program specification, but will include all information necessary for use of the system.

FN-LO-198 -- COMPUTER OPERATORS' MANUAL FOR THE JOVIAL INTERPRETER SYSTEM

The purpose of this document will be to provide the 709 Computer operator with information and procedures relating to the operation of this system. Detailed description of the printouts that the computer uses to communicate with the computer operator, and the course of action that he should follow for each printout will be detailed. Tape setup and disposition will be explained fully.

FN-LO-199 -- SYSTEM SPECIFICATIONS FOR THE JOVIAL INTERPRETER SYSTEM

The purpose of this document will be to describe features of the system applicable to more than one of the sub-programs. Core allocation, sub-program sequence, use of common routines located in permanent core, tape assignments, and other data of this nature will be assembled here.

The following group of documents are similar in nature and have been designated as program design specifications for the various sub-programs of the JOVIAL Interpreter System. Their format is as follows:

Introduction

A prose description of the program's operation outlining its purpose and relation to other sub-programs in the system.

Environment

Detailed description of tables, items, and communication registers necessary for operation of this program.

Input

Description of dynamic input from card or tape.

Functions

A listing of the functions included in this program.

Output

Tables or items created by the program and their disposition.

Printouts

A detailed listing of printouts and course of action to be followed.

Flow Diagram

This would be a broad flow of the program.

Program Instruction Listing

The program design specifications will be written in programmer language and will set forth the manner in which the computer program fulfills the requirements previously set forth. It is felt that the use of a predetermined format is essential for optimum usage by those who may have to reference various documents within the set. The following documents will be written in accordance with the above format in mind.

FN-LO-200 -- PROGRAM DESIGN SPECIFICATION FOR THE TEST CONTROL PROGRAM (JTCPZ)

FN-LO-201 -- PROGRAM DESIGN SPECIFICATION FOR THE INTERPRETER FIRST PASS (JALLZ)

FN-LO-202 -- PROGRAM DESIGN SPECIFICATION FOR THE ASSEMBLE BABY COMPOOL PROGRAM (JABCZ)

FN-LO-203 -- PROGRAM DESIGN SPECIFICATION FOR THE DATA SIMULATION PROGRAM (JSTRZ)

FN-LO-204 -- PROGRAM DESIGN SPECIFICATION FOR THE INTERPRETER SECOND PASS (JOLLZ)

FN-LO-205 -- PROGRAM DESIGN SPECIFICATION FOR THE DATA PROCESSING PROGRAM (JDSYZ)

FN-LO-206 -- PROGRAM DESIGN SPECIFICATION FOR THE ASSEMBLE MASTER COMPOOL PROGRAM (JAMCZ)

FN-LO-207 -- PROGRAM DESIGN SPECIFICATION FOR THE SYSTEM TAPE LOADING PROGRAM (JMSTZ)

FN-LO-208 -- DISCREPANCY REPORTING AND CORRECTION PROCEDURE FOR THE JOVIAL INTERPRETER SYSTEM

KEP/cah

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