NASA TECH BRIEF
John F. Kennedy Space Center

Automated Data Management Information System (ADMIS)

The problem:

Efficient management of the masses of data and documents associated with the manned space flight effort required the development of a new computerized information and retrieval system.

The solution:

A program, called Automated Data Management Information System (ADMIS), was developed for storing and controlling this data.

How it's done:

The ADMIS Document and Distribution Master File contains all data oriented toward a specific document; it is the primary source of reports generated by the ADMIS system. Each document is represented on the Document and Distribution Master File by a group of records all containing a unique document serial number. This group of records is composed of one document record, one distribution record for each recipient of the document, and one summary record.

The ADMIS Code File provides system discipline by insuring that standard codes and standard nomenclature are used throughout the system. The input data are compared with the ADMIS Code File standards, and any deviation causes a rejection and the creation of appropriate error messages. Data that are accepted by Code File standards allow related data sets to be generated and entered into the Document and Distribution Master File.

The Common Data File contains data for each requirement document on the Document and Distribution File. It is used to generate transactions to update documents which respond to a related requirement. These generated records represent data which are common to both the requirement and the response document.

The mainline subsystem contains a program to list all records on a Master File and a program that will give a statistical analysis of data traffic for the past 6 months and predict data traffic for the next 12 months.

The keyword subsystem consists of three programs and one Master File. This system will produce a cross-reference listing and also retrieve documents on a key word basis.

The remainder of the system contains 12 report programs that give a variety of information such as distribution lists, mailing labels, data by package type, title lists, document indexes, etc.

Notes:

1. This program is written in COBOL (80%) and GMAP (20%) for a GE-635 computer.
2. Inquiries concerning this program should be directed to:

    COSMIC
    112 Barrow Hall
    University of Georgia
    Athens, Georgia 30601
    Reference: KSC-10619

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