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TECHNICAL MEMORANDUM

(TM Series)

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SCF Computer Program Systems Manual

General Purpose Satellite Programs

Enter Run Identification on Reset Tape (RUNNUM)

By

H. W. Houghton

22 January 1963

Approved

J. D. Marioni, Group Head

SYSTEM

DEVELOPMENT

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30.02.01

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SUBROUTINE IDENTIFICATION

- A. Title: Enter Run Identification on Reset Tape (RUNNUM) - Ident. G13, Mod. 01.
- B. Programmed: 5 September 1961, S. N. Blacker, Lockheed Missiles and Space Division.
- C. Documented: 1 August 1962, H. W. Houghton, System Development Corporation.

PURPOSE

RUNNUM places an alpha-numeric run identification of up to 8 characters from a function card or calling sequence into the Reference Pool and onto the Reset Tape for a specified vehicle.

USAGE

A. Calling Sequence:

L	SLJ	4	RUNNUM
L+1	NORMAL RETURN		
L+2	A		
L+3	B		

where: A = the vehicle number in octal.

B = the eight character alpha-numeric run identification.

B. Format of Function Card

* RUNNUM A B

where: A = the fixed point vehicle number in decimal (or in octal followed by a B).

B = the eight character alpha-numeric run identification.

C. Printouts:

There are no printouts in RUNNUM but RESET will printout RESET TAPES X, X, where X, X are the tape units where updated tapes are found, if there are no errors. Other possible printouts are: CHANGE TAPE ON X, where X is the tape unit with a bad tape, and RESET AND BACK-UP NO GOOD which is an unrecoverable error.

D. Tape Assignments:

Reset tapes must be placed on tape units 2, 9, and 10.

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E. No jump or stop key settings.

F. Results:

Run identification placed on two Reset Tapes.

RESTRICTIONS

- A. The first character of the 8 character run identification must be an alphabetic character. (Required by MTC.) The left-most characters will be disregarded if more than 8 are given.
- B. RUNNUM uses subroutine RESET.
- C. The storage block RESETBL is used.
- D. The Reference Pool is used.
- E. An on-line printer message is printed to show that the information has been placed on the Reset Tapes.
- F. Index Register 1 is used to obtain the input parameters and is restored prior to exit.

TIMING

82.2 microseconds - plus the time required for RESET.

STORAGE REQUIREMENTS

Space Allocation:

Program	11 cells
Constants	0 cells
Temporary Storage	<u>1</u> cell
TOTAL	12 cells

REFERENCE

- A. LMSD-447578, Systems Manual Subroutine Description of RUNNUM, 5 September 1961, Page 45.14.01.
- B. TM-714/018/00, General Purpose Computer Program Descriptions, Milestone XI, Enter Run Identification on Reset Tape (RUNNUM), 14 August 1962. (AFCPL Catalog Number 75613)

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TAPE (RUNNUM).
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by H. W. Houghton. 22 January 1963, 3p.
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