

October 16, 1964

CTSS BULLETIN #59

Identification

GETCF - a subroutine to GET-the-Common-File-number.

Purpose

GETCF will find out the current common file directory number from the supervisor and return this information to the user.

Method

A supervisor entry has been provided which returns the common file directory number in the AC in a packed way. A library subroutine has been provided which will unpack and convert this information so that it can be used by MAD or Fortran programs.

Usage

As a supervisor entry:

TSX GETCF,4 (TIA =HGETCF)

Upon return, the AC will be zero if the user is switched to his own file directory. Otherwise, the logical AC will contain a word of the form LM, CFN, RM, PRN.

LM, the prefix, is the 3 left-most bits of the first letter of the problem number.

RM, the tag, is the 3 right-most bits of the first letter of the problem number.

CFN, the decrement, is the 2's complement of the common file directory number.

PRN, the address, is the numeric field of the problem number in binary.

as a library subroutine:

FAP:	TSX	GETCFN,4
	PZE	CFN
	STØ	CFS

FORTTRAN: CFS = GETCFN(CFN)

MAD: CFS = GETCFN.(CFN)