Bell Telephone Laboratories, Incorporated   - 1 -
PROGRAM APPLICATION INSTRUCTION

PA-1C600-01
Section 12 (a)
Issue 1, 10/1/77
AT&TCo SPCS

MGETLIM(a)   **MGETLIM(a)**

NAME

mgetlim — get a message of type between given limits

SYNOPSIS

(mgetlim = 53.)
mgetlim(msgbuf)
int *msgbuf; /* pointer to message buffer */

DESCRIPTION

Mgetlim gets a message of type between (and including) the two limits specified by *mstype* and *mslink* in the buffer *msgbuf* from the process message input queue. (See sendmsg(a) for message header description). If no message is on this process's input queue between the type *mstype* and *mslink* a zero value is returned to the process. (In assembly language, the c-bit is set). The receiver of the message must fill in the *mssize* word to indicate the largest message he is willing to receive. The size of the message is exclusive of the size of the message header. He must also fill in the message type *mstype* and the *mslink* word which indicates the highest message type he wishes to receive. This system function is provided to give the user control over the order in which he receives the different types of messages. Messages are dequeued according to FIFO.

SEE ALSO

sendmsg(a), sndmsgfrom(a), getmsg(a).

DIAGNOSTICS

A non-zero value is returned as an indication that a message was received. The message link word *mslink* is non-zero if there are more messages on the process input queue. Otherwise it is zero. A zero value is returned if there are no messages on the input queue.