Bell Telephone Laboratories, Incorporated   - 1 -   PA-1C600-01
PROGRAM APPLICATION INSTRUCTION   Section 12 (a)
Issue 1, 10/1/77
AT&TCo SPCS

SNDMSGFROM(a)   **SNDMSGFROM(a)**

NAME
> sndmsgfrom — send a message from a process

SYNOPSIS
> (sndmsgfrom = 29.)
> **sndmsgfrom(msgbuf)**
> **int *msgbuf;**   **/* pointer to message */**

DESCRIPTION
> *Sndmsgfrom* sends a message from the current process to another process (kernel or supervisor-user type) on behalf of the process which sent a message to the current process (See sendmsg(a) for message header description). It differs from *sendmsg* only in that the *msfrom* word in the message header must also be filled in by the sender. This word is not touched by the kernel emt trap handler. The net result is that the acknowledgement to this message is sent directly back to the original sender. This function is provided particularly for a supervisor-mode file manager process to send read/write messages directly to the device driver processes which in turn send the acknowledgement messages directly back to the original sender in order to reduce message traffic. The *msstat* byte is filled in by the receiver of this message in its acknowledgement to this message. It contains the error code if non-zero. The value of −1 is reserved by the system for the case where the intended receiver process does not exist or is aborted abnormally.
>
> If the input message queue for the receiver is overloaded or no message buffers exist in the kernel message buffer pool area, an error is passed back to the library routine which then road-blocks the process.

SEE ALSO
> sendmsg(a), getmsg(a), gettype(a).

DIAGNOSTICS
> If the message is too big, a bad EMT is indicated by a fault code of 10.