NAME

dn — DN-11 ACU interface

DESCRIPTION

The **dn??** files are write-only. The permissible codes are:

0—9	dial 0-9
*	dial *
#	dial #
—	4 second delay for secondary dial tone (for use with older ACU's)
e	end-of-number
w	forces ACU to wait for secondary dial tone (for use with newer ACU's)
f	flashes switchbook if a flasher card is installed (HOBIS application)
d	drop call
r	return from write leaving call request on

The entire telephone number should be presented in a single *write* system call unless a flasher card is used in special applications.

A write call returns the number of digits sent when the answer tone is detected and control is given to the data set. If the digit string is terminated with an 'e', the write call returns the number of digits sent without waiting for answer tone. An error condition causes a −1 to be returned.

The *dn* interface is divided into two mutually exclusive functions. The first function provides an ACU interface when the ACU is associated with only one data set. The second function provides an ACU interface when the ACU is associated with multiple data sets (maximum of 12). Minor device numbers in the range of $0 - 15$ inclusive are interpreted by the *dn* to be of the single ACU/single data set arrangement. Minor device numbers greater than 15 are interpreted by the *dn* to be a single ACU sharing up to 12 data sets. *Dn*'s with a minor device number greater than 15 generate a data set select code to the ACU interface prior to returning from an open. The following algorithm must be used in assigning minor device numbers to insure that proper data set select codes are generated by the ACU.

(minor device number modulo 16) $+ 1 =$ data set select number

NOTE: Data set select numbers 7,8,15, and 16 are illegal and therefore so are the minor device numbers that generate them.

Also, it should be noted that minor device numbers in the range of $16-31$ inclusive will actually perform auto calling functions using the first physical *dn* in the system, those in the range of $32-47$ inclusive will perform auto calling using the second physical *dn* in the system, and so on. This implies that either minor device 0 is implemented for a single ACU/single data set arrangement or minor devices $16-31$ are implemented to provide data set selection for up to 12 data sets associated with the *dn* that normally would be accessed via minor device 0.

FILES

/dev/dn?

BUGS

The reception of a signal which is being ignored during an open or write of the *dn* may cause an incorrect phone number to be dialed without returning an error indication.

SEE ALSO

dh(4)