

**NAME**

getds -- process requests for data communications equipment

**SYNOPSIS**

```
#include <dial.h>
```

```
struct dntbl *getds(baudrate, WATS_or_not, ans_mode_term)
char *baudrate;
short WATS_or_not, ans_mode_term;
```

**DESCRIPTION**

The purpose of this subroutine is to process all requests for data communications equipment. Given the desired baudrate and whether or not a WATS line is needed, this subroutine locates a free data set of the requested characteristics, allocates it to the requestor and indicates certain other characteristics about that data set (such as the associated multiplexor line and dn11).

It is the responsibility of the user to open and close the appropriate multiplexor line.

The requesting process is told to ignore the SIGPWR signal so that a periodic check routine may send that signal in order to check for the existence of the process.

**Arguments:**

```
baudrate -- "110", "300", or "1200"
WATS_or_not -- 1 if WATS is needed, 0 otherwise
ans_mode_term -- 1 if calling terminal is answer-mode only
```

**Return values:**

It returns a pointer to a structure like dntbl (/usr/include/dial.h) which specifies the characteristics of the allocated equipment.

**Errors are indicated as follows :**

- 1 No carrier, busy, or no answer.
- 2 All equipment in use.
- 3 Bad speed specification.
- 4 Bad telephone number.
- 5 Ioctl failure.
- 6 Bad equipment resource table.
- 7 No equipment exists - not specified in equipment resource table.

**NOTE :**

Users must release the equipment with a call to releaseds(3L).

**FILES**

/usr/include/dial.h /etc/d\_dntable

GETDS(3L)

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**LIBRARY**

/lib/lib1.a

**SEE ALSO**

releaseds(3L), dial(3L)