NAME

t_snddis – send user-initiated disconnect request

SYNOPSIS

cc [*flag* ...] *file* ... **–lnsl** [*library* ...]

#include <tiuser.h>

int t_snddis(int *fildes*, **struct t_call** *∗call***);**

MT-LEVEL

MT-Safe

DESCRIPTION

This function is used to initiate an abortive release on an already established connection or to reject a connect request. *fildes* identifies the local transport endpoint of the connection, and *call* specifies information associated with the abortive release. *call* points to a **t_call** structure that contains the following members:

```
struct netbuf    addr;
struct netbuf    opt;
struct netbuf    udata;
int              sequence;
```

netbuf is described in **t_connect**(3N). The values in *call* have different semantics, depending on the context of the call to **t_snddis( )**. When rejecting a connect request, *call* must be non-NULL and contain a valid value of **sequence** to identify uniquely the rejected connect indication to the transport provider. The **addr** and **opt** fields of *call* are ignored. In all other cases, *call* need only be used when data is being sent with the disconnect request. The **addr**, **opt**, and **sequence** fields of the **t_call** structure are ignored. If the user does not wish to send data to the remote user, the value of *call* may be NULL.

udata specifies the user data to be sent to the remote user. The amount of user data must not exceed the limits supported by the transport provider as returned in the **discon** field of the *info* argument of **t_open**(3N) or **t_getinfo**(3N). If the *len* field of **udata** is zero, no data will be sent to the remote user.

RETURN VALUES

t_snddis( ) returns 0 on success. On failure **t_snddis( )** returns –1, **t_errno** is set to indicate the error, and possibly **errno** is set.

ERRORS

On failure, **t_errno** will be set to one of the following:

TBADDATA The amount of user data specified was not within the bounds allowed by the transport provider. The transport provider's outgoing queue will be flushed, so data may be lost.

TBADF The specified file descriptor does not refer to a transport endpoint.

TBADSEQ An invalid sequence number was specified, or a NULL call structure was specified when rejecting a connect request. The transport provider's outgoing queue will be flushed, so data may be lost.

TLOOK An asynchronous event has occurred on this transport endpoint and requires immediate attention.

TNOTSUPPORT This function is not supported by the underlying transport provider.

TOUTSTATE The function was issued in the wrong sequence. The transport provider's outgoing queue may be flushed, so data may be lost.

TSYSERR A system error has occurred during execution of this function, **errno** will be set to the specific error.

SEE ALSO

t_connect(3N), **t_getinfo**(3N), **t_listen**(3N), **t_open**(3N)

Transport Interfaces Programming Guide

NOTES

This interface is safe in multithreaded applications.