

4.5.14 MCAPI_SCLCHAN_SEND_CLOSE_I

NAME

mcapi_sclchan_send_close_i – closes channel on a send endpoint.

SYNOPSIS

```
#include <mcapi.h>

void mcapi_sclchan_send_close_i(
    MCAPI_IN mcapi_sclchan_send_hdl_t send_handle,
    MCAPI_OUT mcapi_request_t* request,
    MCAPI_OUT mcapi_status_t* mcapi_status
);
```

DESCRIPTION

Closes the send side of a channel. The corresponding calls are required on both send and receive sides to ensure that the channel is properly closed. It is a non-blocking function, and returns immediately. send_handle is the local representation of the handle used to send packets. Pending scalars at the receiver are not discarded. A scalar channel is disconnected when, both sides have issued close calls and the last (second) close operation is performed. If the endpoint type was changed from message to channel and/or the get reference count was increased to 1 by the connect, the type will be reset to message and the get reference count to 0.

RETURN VALUE

On success, meaning that both sides of the channel are successfully closed, *mcapi_status is set to MCAPI_SUCCESS if completed and MCAPI_PENDING if not yet completed. On error *mcapi_status is set to the appropriate error defined below.

ERRORS

MCAPI_ERR_NODE_NOTINIT	The node is not initialized.
MCAPI_ERR_CHAN_INVALID	Argument is not a channel handle.
MCAPI_ERR_CHAN_TYPE	Attempt to close a packet channel on an endpoint that has been connected with a different channel type.
MCAPI_ERR_CHAN_DIRECTION	Attempt to close a send handle on a port that was connected as a receiver, or vice versa.
MCAPI_ERR_CHAN_NOTOPEN	The channel is not open.
MCAPI_ERR_REQUEST_LIMIT	No more request handles available.