4.5.13 MCAPI_ SCLCHAN_RECV_CLOSE_I

NAME

`mcapi_sclchan_recv_close_i` – closes channel on a receive endpoint.

SYNOPSIS

```
#include <mcapi.h>

void mcapi_sclchan_recv_close_i(
     MCAPI_IN mcapi_sclchan_recv_hndl_t receive_handle,
     MCAPI_OUT mcapi_request_t* request,
     MCAPI_OUT mcapi_status_t* mcapi_status
);
```

DESCRIPTION

Closes the receive 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. `receive_handle` is the local representation of the handle used to receive packets. All pending scalars are discarded, and any attempt to send more scalars will give an error. A scalar channel is disconnected when, both sides have issued close calls and the last (second) close operation is performed. If the enpoint 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.