

4.5.5 MCAPI_SCLCHAN_SEND_UINT32

NAME

mcapi_sclchan_send_uint32 – sends a (connected) 32-bit scalar on a channel.

SYNOPSIS

```
#include <mcapi.h>

void mcapi_sclchan_send_uint32(
    MCAPI_IN mcapi_sclchan_send_hndl_t send_handle,
    MCAPI_IN mcapi_uint32_t dataword,
    MCAPI_OUT mcapi_status_t* mcapi_status
);
```

DESCRIPTION

Sends a scalar on a connected channel. It is a blocking function, and returns immediately unless the buffer is full. `send_handle` is the send endpoint identifier. `dataword` is the scalar. Since channels behave like FIFOs, this method will block if there is no free space in the channel's receive buffer. When sufficient space becomes available (due to receive calls), the function will complete.

RETURN VALUE

On success, `*mcapi_status` is set to `MCAPI_SUCCESS`. On error `*mcapi_status` is set to the appropriate error defined below. Optionally, implementations may choose to always set `*mcapi_status` to `MCAPI_SUCCESS` for performance reasons.

ERRORS

MCAPI_ERR_NODE_NOTINIT	The node is not initialized.
MCAPI_ERR_CHAN_INVALID	Argument is not a channel handle.
MCAPI_ERR_GENERAL	Implementation specific error not covered by other status codes. Specifics must be documented.