4.5.6 MCAPI_SCLCHAN_SEND_UINT16

NAME

`mcapi_sclchan_send_uint16` – sends a (connected) 16-bit scalar on a channel.

SYNOPSIS

```
#include <mcapi.h>

void mcapi_sclchan_send_uint16(
     MCAPI_IN mcapi_sclchan_send_hndl_t send_handle,
     MCAPI_IN mcapi_uint16_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.