4.5.9 MCAPI_SCLCHAN_RECV_UINT32

NAME

mcapi_sclchan_recv_uint32 – receives a 32-bit scalar on a (connected) channel.

SYNOPSIS

```
#include <mcapi.h>

mcapi_uint32_t mcapi_sclchan_recv_uint32(
    MCAPI_IN mcapi_sclchan_recv_hndl_t receive_handle,
    MCAPI_OUT mcapi_status_t* mcapi_status
);
```

DESCRIPTION

Receives a scalar on a connected channel. It is a blocking function, and returns when a scalar is available. receive_handle is the receive endpoint identifier.

RETURN VALUE

On success, a value of type uint32_t is returned and *mcapi_status is set to MCAPI_SUCCESS. On error, the return value is undefined and *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.

NOTE

The receive scalar size must match the send size.