

4.5.8 MCAPI_SCLCHAN_RECV_UINT64

NAME

mcapi_sclchan_recv_uint64 – receives a (connected) 64-bit scalar on a channel.

SYNOPSIS

```
#include <mcapi.h>

mcapi_uint64_t mcapi_sclchan_recv_uint64(
    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 `uint64_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.