

4.5.12 MCAPI_SCLCHAN_AVAILABLE

NAME

`mcapi_sclchan_available` – checks if scalars are available on a receive endpoint.

SYNOPSIS

```
#include <mcapi.h>

mcapi_uint_t mcapi_sclchan_available(
    MCAPI_IN mcapi_sclchan_rcv_hndl_t receive_handle,
    MCAPI_OUT mcapi_status_t* mcapi_status
);
```

DESCRIPTION

Checks if scalars are available on a receive endpoint. The function returns immediately. `receive_endpoint` is the receive endpoint identifier. The call only checks the availability of messages does not dequeue them.

RETURN VALUE

On success, the number of available scalars is returned and `*mcapi_status` is set to `MCAPI_SUCCESS`. On error, `MCAPI_NULL` (or 0) is returned and `*mcapi_status` is set to the appropriate error defined below. `MCAPI_NULL` (or 0) could be a valid number of available scalars, so status has to be checked to ensure correctness.

ERRORS

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

NOTE

The status code must be checked to distinguish between no messages and an error condition.