### 4.6.4  MCAPI_CANCEL

**NAME**

`mcapi_cancel` – cancels an outstanding non-blocking operation.

**SYNOPSIS**

```
#include <mcapi.h>

void mcapi_cancel(
    MCAPI_IN mcapi_request_t* request,
    MCAPI_OUT mcapi_status_t* mcapi_status
);
```

**DESCRIPTION**

Cancels an outstanding non-blocking operation. It is a blocking function and returns when the operation has been canceled. `request` is the identifier for the non-blocking operation.  Any pending calls to `mcapi_wait()` or `mcapi_wait_any()` for this request will also be cancelled. The returned status of a canceled `mcapi_wait()` or `mcapi_wait_any()` call will indicate that the request was cancelled.

**RETURN VALUE**

On success, `*mcapi_status` is set to `MCAPI_SUCCESS`. On error `*mcapi_status` is set to the appropriate error defined below.

**ERRORS**

| | |
|---|---|
| MCAPI_ERR_NODE_NOTINIT | The node is not initialized. |
| MCAPI_ERR_REQUEST_INVALID | Argument is not a valid request handle (the operation and mcapi_wait() or mcapi_wait_any() may have completed). |
| MCAPI_ERR_PARAMETER | Incorrect `request` parameter. |
| MCAPI_ERR_GENERAL | Implementation specific error not covered by other status codes. Specifics must be documented. |

**SEE ALSO**

```
mcapi_endpoint_t mcapi_endpoint_getmcapi_endpoint_get_i(),
mcapi_msg_send_i(), mcapi_msg_recv_i(), mcapi_pktchan_connect_i(),
mcapi_pktchan_recv_open_i(), mcapi_pktchan_send_open_i(),
mcapi_pktchan_send_i(), mcapi_pktchan_recv_i(),
mcapi_pktchan_recv_close_i(), mcapi_pktchan_send_close_i(),
mcapi_sclchan_connect_i(), mcapi_sclchan_recv_open_i(),
mcapi_sclchan_send_open_i(), mcapi_sclchan_recv_close_i(),
mcapi_sclchan_send_close_i()
```