

### 4.5.3 MRAPI\_WAIT\_ANY

#### NAME

mrapi\_wait\_any

#### SYNOPSIS

```
mrapi_uint_t mrapi_wait_any(  
    MRAPI_IN size_t num_requests,  
    MRAPI_IN mrapi_request_t* requests,  
    MRAPI_OUT size_t* size,  
    MRAPI_IN mrapi_timeout_t timeout ,  
    MRAPI_OUT mrapi_status_t* status  
);
```

#### DESCRIPTION

mrapi\_wait\_any() waits until any non-blocking operation of a list has completed. It is a blocking function and returns the index into the requests array (starting from 0) indicating which of any outstanding operation has completed. If more than one request has completed, it will return the first one it finds. number is the number of requests in the array. requests is the array of mrapi\_request\_t identifiers for the non-blocking operations. The size parameter is not currently used but is there to align with MCAPI.

#### RETURN VALUE

On success, the index into the requests array of the mrapi\_request\_t identifier that has completed or has been canceled is returned and \*status is set to MRAPI\_SUCCESS. On error, -1 is returned and \*status is set to the appropriate error defined below.

#### ERRORS

MRAPI_ERR_REQUEST_INVALID	Argument is not a valid request handle.
MRAPI_ERR_REQUEST_CANCELED	The request was canceled.
MRAPI_TIMEOUT	The operation timed out.
MRAPI_ERR_PARAMETER	Incorrect number (if=0) requests parameter.
MRAPI_ERR_NODE_NOTINIT	The calling node is not initialized.

#### NOTE

#### SEE ALSO