3.16.13.9   mcapi_endp_attr_timeout_t

This attribute contains the timeout value for blocking send and receive functions. a value of `MCAPI_TIMEOUT_IMMEDIATE` (or 0) means that the function will return "immediately", with success or failure. `MCAPI_TIMEOUT_INFINITE` means that the function will block until it completes with success or failure. Default = `MCAPI_TIMEOUT_INFINITE`.

3.16.14   Other MCAPI data types

MCAPI also defines its own integer, Boolean and other types, some of which have MCA equivalents. See the header files in this document for specifics on these data types.

3.16.15   MCAPI Error and Status Codes

Status code	Description
MCAPI_SUCCESS	Indicates operation was successful
MCAPI_PENDING	Indicates operation is pending without errors
MCAPI_TIMEOUT	The operation timed out
MCAPI_ERR_PARAMETER	Incorrect parameter
MCAPI_ERR_DOMAIN_INVALID	The parameter is not a valid domain
MCAPI_ERR_NODE_INVALID	The parameter is not a valid node
MCAPI_ERR_NODE_INITFAILED	The MCAPI node could not be initialized
MCAPI_ERR_NODE_INITIALIZED	MCAPI node is already initialized
MCAPI_ERR_NODE_NOTINIT	The MCAPI node is not initialized
MCAPI_ERR_NODE_FINALFAILED	The MCAPI could not be finalized
MCAPI_ERR_PORT_INVALID	The parameter is not a valid port
MCAPI_ERR_ENDP_INVALID	The parameter is not a valid endpoint descriptor
MCAPI_ERR_ENDP_EXISTS	The endpoint is already created
MCAPI_ERR_ENDP_GET_LIMIT	The endpoint get reference count is too high
MCAPI_ERR_ENDP_NOTOWNER	An endpoint can only be deleted by its creator
MCAPI_ERR_ENDP_REMOTE	Certain operations are only allowed on the node local endpoints
MCAPI_ERR_ATTR_INCOMPATIBLE	Connection of endpoints with incompatible attributes not allowed
MCAPI_ERR_ATTR_SIZE	Incorrect attribute size
MCAPI_ERR_ATTR_NUM	Incorrect attribute number
MCAPI_ERR_ATTR_VALUE	Incorrect attribute vale
MCAPI_ERR_ATTR_NOTSUPPORTED	Attribute not supported by the implementation
MCAPI_ERR_ATTR_READONLY	Attribute is read only
MCAPI_ERR_MSG_SIZE	The message size exceeds the maximum size allowed by the MCAPI implementation
MCAPI_ERR_MSG_TRUNCATED	The message size exceeds the buffer size
MCAPI_ERR_CHAN_OPEN	A channel is open, certain operations are not allowed
MCAPI_ERR_CHAN_TYPE	Attempt to open a packet/scalar channel on an endpoint that has been connected with a different channel type
MCAPI_ERR_CHAN_DIRECTION	Attempt to open a send handle on a port that was connected as a receiver, or vice versa
MCAPI_ERR_CHAN_CONNECTED	A channel connection has already been established for one or both of the specified endpoints