**4.1.11 MCAPI\_NODE\_CONNECT (ABB Extension)**

**NAME**

mcapi\_node\_connect – Initialize and connect message topology.

**SYNOPSIS**

#include <mcapi\_abb.h>

void mcapi\_node\_connect( MCAPI\_IN mcapi\_domain\_t domain\_id, MCAPI\_IN mcapi\_node\_t node\_id, MCAPI\_OUT mcapi\_config\_t\* config, MCAPI\_IN mca\_timeout\_t timeout, MCAPI\_OUT mcapi\_status\_t\* mcapi\_status

);

**DESCRIPTION**

mcapi\_node\_connect()makes the necessary runtime calls to initialize the endpoints and connect the channels for the MCAPI node specified by domain\_id and node\_id. The call to mcapi\_node\_connect must be preceded by a successful call first t mcapi\_node\_collect to obtain the configuration for this node. The mcapi\_node\_connect routine waits for the

connections to be completed, and returns with an status error if the timeout is exceeded.

**RETURN VALUE**

On success, \*mcapi\_status is set to MCAPI\_SUCCESS. On error, \*mcapi\_status is set to the appropriate error code defined below.

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| **ERRORS** |  |  |
| MCAPI\_TIMEOUT | The MCAPI remote endpoints were not allocated in the specified time limit. |  |
| MCAPI\_ERR\_NODE\_INVALID | The parameter is not a valid node | |
| MCAPI\_ERR\_NODE\_CONFFAILED | The node endpoints or channels could not be configured | |
|  | |  |
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