4.1.10   MCAPI_NODE_COLLECT (ABB Extension)

NAME

mcapi_node_collect – Accept and validate message topology.

SYNOPSIS

```
#include  <mcapi_abb.h>

void mcapi_node_collect( MCAPI_IN
    mcapi_domain_t domain_id, MCAPI_IN
    mcapi_node_t node_id, MCAPI_IN
    mxml_node_t* root, MCAPI_OUT
    mcapi_config_t* config, MCAPI_IN
    mca_timeout_t timeout, MCAPI_OUT
    mcapi_status_t* mcapi_status
);
```

DESCRIPTION

mcapi_node_collect() parses the endpoints, channels and links based on XML
configuration and waits for the remote endpoints to be initialized. The MCAPI node must be
already initialized corresponding to domain_id and node_id. The XML configuration must
be parsed before the call to mcapi_collect by the mxml library and the resulting DOM is
passed as root. The configuration for this MCAPI node is stored in the memory pointed to by
config, selecting only the parts that pertain to this node either as a source or destination
endpoint. The config storage is used by mcapi_node_connect to create the endpoints and
connect the channels, and should be preserved in order to perform an orderly disconnect with
mcapi_node_disconnect when the MCAPI node is run down. The mcapi_collect
routine waits for the remote endpoints to be allocated, 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.

ERRORS

MCAPI_TIMEOUT	The MCAPI remote endpoints we 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