3.17.5.1.1 mcapi_param_t

Initialization parameters will vary by implementation, and may include specifications of the amount of resources to be used for a specific implementation or configuration, such as for example the maximum number of outstanding requests, etc. This simply means that each implementations has to provide documentation and/or sample code for the initialization. Some initialization parameters may be standardized in future versions of MCAPI.

3.17.5.1.2 mcapi_info_t

The informational parameters include MCAPI specified information as outlined below, as well as implementation specific information. Implementation specific information must be documented by the implementer.

MCAPI defined initialization information:

`mcapi_version`	MCAPI version, the three last (rightmost) hex digits are the minor number and those left of minor the major number.
`organization_id`	Implementation vendor/organization id. Assigned by MCA.
`implementation_version`	Implementation version, represented by a 32 bit scalar, the specific format is implementation defined.
`number_of_domains`	Number of domains in the topology.
`number_of_nodes`	Number of nodes in the domain, can be used for basic per domain topology discovery. Note: This information may not be available in all implementations. The functionality must be documented.
`number_of_ports`	Number of available ports on the local node.

3.17.5.2 MCAPI_domains

An MCAPI domain is comprised of one or more MCAPI nodes in a multicore topology and used for routing purposes. The scope of a domain is implementation defined and could for example be a single chip with multiple cores or multiple processor chips on a board. The domain id is specified once at node initialization. A domain can contain multiple nodes. Some example potential uses for domains are topologies that may change dynamically, include non-MCAPI sub-topologies or have open and secure areas.

3.17.5.3 mcapi_domain_id_get()

This function was added to allow the application to find its MCAPI domain id. Other functions affected are: `mcapi_initialize(), mcapi_endpoint_get_i() and mcapi_endpoint_get()`.

3.17.5.4 mcapi_endpoint_get() funcionality

To avoid the potential for blocking indefinitely on this function a timeout parameter was added.

3.17.5.5 mcapi_node_init_attribute()

This function was added to allow initialization of a node's attributes structure for setting of non-default node attributes to be used by mcapi_initialize().