1.1.1.1.1 VLCSI:OMCI.request

1.1.1.1.1.1 Function

This primitive defines the transfer of data from the OMCI Client entity to the VLC CTE. This primitive is only relevant in the egress direction.

1.1.1.1.1.2 Semantics of the service primitive

The semantics of the primitive are as follows:

VLCSI:OMCI.request (
                                    omci_serial_number,
                                    omci_frame_sdu
)

The *omci_serial_number* parameter specifies the 8-octet Serial Number, defined in ITU-T Rec G.988, 9.1.1, assigned to the ONU that is the intended destination of this OMCI frame.

The *omci_frame_sdu* parameter contains the pre-formed OMCI frame (according to ITU-T Rec G.988) that is related to the ONU identified by the *omci_serial_number*.

1.1.1.1.1.3 When Generated

This primitive is generated by the OMCI Client entity whenever an OMCI frame is to be transferred to a peer entity.

1.1.1.1.1.4 Effect of Receipt

The receipt of this primitive will cause the VLC sublayer to apply the rules installed in the egress CTE instance to perform any required parsing and transformations of the request parameters necessary to encapsulate and transmit the OMCI frame as a VLCPDU. After performing these actions, the VLC sublayer asserts the *MACCSI:MA_DATA.request* primitive according to the procedures described in 4.3.1.x.

1.1.1.1.2 VLCSI:OMCI.indication

1.1.1.1.2.1 Function

This primitive defines the transfer of data from the VLC sublayer to the OMCI Client entity. This primitive is only relevant in the ingress direction.

1.1.1.1.2.2 Semantics of the service primitive

The semantics of the primitive are as follows:

VLCSI:OMCI.indication (
                                    omci_serial_number,
                                    omci_frame_sdu
)

The *omci_serial_number* parameter specifies the 8-octet Serial Number, defined in ITU-T Rec G.988, 9.1.1, assigned to the ONU from which this OMCI frame was received.

The *omci_frame_sdu* parameter contains the pre-formed OMCI frame (according to ITU-T Rec G.988) that is related to the ONU identified by the *omci_serial_number*.

1.1.1.1.2.3 When Generated

This primitive is generated by the VLC sublayer whenever an OMCI frame is received from a peer entity.

1.1.1.1.2.4 Effect of Receipt

The receipt of this primitive will cause the OMCI client to process the received parameters. The specific actions to be taken by the OMCI client are out of the scope of this standard.