Cl **142** *SC* **142.2.5.4.1** *P* **106** *L* **1** # 652

Kramer, Glen Broadcom

Comment Type **TR** *Comment Status* **D** *postdeadline*

Draft 1.4 added the scrambler initialization function ResetScrambler(), but it only showed it for the receiving side. The same function should be applied to the transmitting side

SuggestedRemedy

1) Insert text "ResetScrambler()" to state RESET_XBUF in Fig 142-12.
2) Move definition of ResetScrambler() function from 142.3.5.3 to 142.2.5.3
3) Replace the body of ResetScrambler() function definition in 142.3.5.3 with a reference to 142.2.5.3

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **144** *SC* **144.3.3** *P* **170** *L* **16** # 653

Kramer, Glen Broadcom

Comment Type **TR** *Comment Status* **D** *postdeadline*

Generally, when the NMS provisions an ULID into an ONU, that provisioning will come with a set of corresponding rules that tells the ONU how to handle traffic on that ULID (what UNI for forward to, what filtering to apply, etc.). If an ONU is required to accept traffic on BCAST_ULID by default, but there are no rules provisioned for BCAST_ULID, the ONU won't know what to do.

So, having predefined BCAST_ULID is not helpful. A broadcast ULID can simply be terated as a special case of multicast ULID and be provisioned when needed (together with its specific rules).

SuggestedRemedy

Remove BCAST_ULID row from Table 144-1.
Remove Broadcast ULID bullet item on line 28.
Update PICS accordingly.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **144** *SC* **144.4.3.6** *P* **207** *L* **20** # 654

Kramer, Glen Broadcom

Comment Type **TR** *Comment Status* **D** *postdeadline*

Comment #625 made it clear that we had an architectureal issue with the channel Control protocol. On one side, we wanted CCP to specify timer-based automatic retransmission. On the other side, we need CCP to support multicast and broadcast operation, where such automatic retransmission is not possible. Comment #625 had to resort to an implementation escape clause, which is not good for interoperability.

Another problem is that the retransmission of frames due to loss/corruption is not in scope for 802.3 (apart from CSMA/CD-MAC-specific mechanisms).

SuggestedRemedy

The proposal is to remove the cc_timer and associated states from CC_REQUEST Processing SD in the OLT. In effect, the decision to retransmit or not, how soon, and how many times will be deferred to CCP Client. The client can also decide whether CC_REQUEST goes on unicast or multicast MLID and how to handle missed response(s) in multicast such case.

New OLT state diagram is shown in kramer_3ca_12_0319.pdf
These changes are also reflected in the updated block diagrams in kramer_3ca_8a_0319.pdf

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.