DATE: 8th Jul, 2004
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REQUESTED REVISION:
STANDARD: IEEE Std 802.3ah-2004
CLAUSE NUMBER: 64.3.3.5
CLAUSE TITLE: Messages

PROPOSED REVISION TEXT:
The description of DA parameter of MA_CONTROL.request service primitive for REGISTER MPCPDU should be changed to:
DA: unicast MAC address or multicast ...
For details see attached draft.

RATIONALE FOR REVISION:
According to MPCP discovery protocol, the REGISTER MPCPDU should be sent to an individual ONU, but the logical point-to-point channel to this ONU is not established yet. Therefore, the MPCPDU is sent on broadcast channel with unicast MAC address.

IMPACT ON EXISTING NETWORKS:
None. All existing implementations transmit REGISTER MPCPDU with unicast MAC address.

Please attach supporting material, if any
Submit to:- Bob Grow, Chair IEEE 802.3
           E-Mail: Bob.Grow@intel.com
           +------- For official 802.3 use -----------+
           REV REQ NUMBER: 1153
           DATE RECEIVED: 8th Jul, 2004
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For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1153
64.3.3.5 Messages

*Change the MA_CONTROL.request service primitive as follows:*

MA_CONTROL.request(DA, REGISTER, LLID, status, pending_grants)

The service primitive used by the MAC Control client at the OLT to initiate acceptance of an ONU. This primitive takes the following parameters:

- **DA:** Unicast MAC address or multicast MAC Control address as defined in Annex 31B.

- **REGISTER:** Opcode for REGISTER MPCPDU as defined in Table 31A–1.

- **LLID:** This parameter holds the logical link identification number assigned by the MAC Control client.

- **status:** This parameter takes on the indication supplied by the flags field in the REGISTER MPCPDU as defined in Table 64–4.

- **pending_grants:** This parameter echoes back the pending_grants field that was previously received in the REGISTER_REQ message.