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| 8802-3/802.3 REVISION REQUEST 1153 |
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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 send 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.

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| Please attach supporting material, if any |
| Submit to:- Bob Grow, Chair IEEE 802.3 |
| E-Mail: Bob.Grow@intel.com |
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| +----- For official 802.3 use -----+ |
| REV REQ NUMBER: 1153 |
| DATE RECEIVED: 8th Jul, 2004 |
| ~~EDITORIAL/TECHNICAL~~ |
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| For information about this Revision Request see - |
| http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1153 |
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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:	<u>Unicast MAC address or</u> 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 parameters echoes back the pending_grants field that was previously received in the REGISTER_REQ message.