

Existing text in D2.1:

There may exist situations when the OLT requires that an ONU go through the discovery sequence again and reregister. Similarly, there may be situations where an ONU needs to inform the OLT of its desire to deregister. The ONU may then reregister by going through the discovery sequence. For the OLT, the REGISTER MPCPDU may indicate a value, *NACK*, that if specified forces the receiving ONU into reregistering. For the ONU, the REGISTER_REQ MPCPDU contains the *NACK* bit that signifies to the OLT that this ONU needs to be deregistered.

Proposed text:

There may exist situations when the OLT requires an ONU to re-register. The OLT initiates such re-registration by transmitting a REGISTER MPCPDUs to the ONU. This MPCPDU is transmitted in an envelope with unicast PLID assigned to this ONU.

If the *Flag* field in the REGISTER MPCPDU has the value of *ACK*, the ONU performs a fast registration sequence where it simply responds with the REGISTER_ACK MPCPDU, while remaining registered at all times. If the *Flag* field in the REGISTER MPCPDU has the value of *NACK*, the ONU deregisters and goes through a complete discovery sequence, as outlined above.

There may also be situations when the MPMC Client (MPCP) in the ONU determines that this ONU needs to deregister. The ONU transmits REGISTER_REQ MPCPDU with the *Flag* field equal to *NACK* before unconditionally deregistering itself. Depending on the causes for such deregistration, the MPMC Client (MPCP) determines whether the ONU is allowed to participate in a new discovery sequence or not; the criteria for such determination is outside the scope of this standard.