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|                           REVISION REQUEST                          |
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DATE: 9 September 2022
NAME: Glen Kramer
COMPANY/AFFILIATION: Broadcom Inc.
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REQUESTED REVISION:
  STANDARD: IEEE Std 802.3-202x
  CLAUSE NUMBER: 144.3.5
  CLAUSE TITLE: Allocation of LLID values
PROPOSED REVISION TEXT:


In the line "-- Any ULID or GLID assigned to this ONU by management" (the
last line of this subclause), strike out the words "or GLID".


RATIONALE FOR REVISION:


The purpose of the Group Link Identifier (GLID) mechanism is to partially
offload the upstream scheduling functionality and resources from the OLT
to multiple ONUs. The GLID is defined as virtual LLID that allows the OLT
to schedule a single grant (transmission window), which is further
subdivided among actual traffic-bearing LLIDs by an ONU.
GLIDs are only used for scheduling and statistic querying, so they only
ever appear in GATE and REPORT MPCPDUs and in OAM TLVs.


The ONU shall not and cannot accept envelopes with GLID identifiers
because the GLID values may never appear in envelope headers. As clearly
stated in GLID definition in subclause 144.3.4.4, "The actual envelope
transmission is identified by a PLID, an MLID, or a ULID value,
associated with a specific MAC instance that sourced the data
(i.e., the LLID field in the envelope headers may only contain a PLID,
 MLID, or ULID, but never a GLID)."


The text "or GLID" in the last line of subclause 144.3.5 is a mistake and
needs be deleted.


IMPACT ON EXISTING NETWORKS:


None. The standard already contains a requirement for GLID to not appear
in envelope headers. This MR just removes a confusing statement requiring
ONUs to accept such values.
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|Please attach supporting material, if any                         |
|Submit to:-   David Law, Chair IEEE 802.3                         |
|and copy:-    Adam Healey, Vice-Chair IEEE 802.3                  |
|                                                                  |
|At:-          E-Mail: stds-802-3-maint-req@ieee.org              |
|                                                                  |
|             +------------ For official use ------------+         |
|             | REV REQ NUMBER: 1401                     |         |
|             | DATE RECEIVED: 9 September 2022          |         |
|             | EDITORIAL/TECHNICAL                      |         |
|             | ACCEPTED/DENIED                          |         |
|             | BALLOT REQ'D    YES/NO                   |         |
|             | COMMENTS:                                |         |
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| For information about this Revision Request see -                |
|http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1401 |
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