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|                          REVISION REQUEST                            |
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DATE: 04.12.2019
NAME: Stefan Lueder
COMPANY/AFFILIATION: SIEMENS AG
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REQUESTED REVISION:
  STANDARD: IEEE 802.3-2018
  CLAUSE NUMBER: 99.1
  CLAUSE TITLE: Introduction

PROPOSED REVISION TEXT:
Original
This clause specifies an optional MAC merge sublayer for use with a pair
of full-duplex MACs and a single PHY operating at 100 Mb/s or higher on a
point-to-point link.

Proposed solution
This clause specifies an optional MAC merge sublayer for use with a pair
of full-duplex MACs and a single PHY operating at 10 Mb/s or higher on a
point-to-point link. [only this first sentence of the clause is proposed
to be modified]

RATIONALE FOR REVISION:
The text being changed is purely descriptive, but is incorrect.
Full-duplex MAC/PHY combinations with 10BASE-T are compatible with clause
99 operation, and now with the addition Clauses 146 and 147, the 10BASE-
T1L and full-duplex 10BASE-T1S PHYs are as well.
Industrial automation (factory and process automation) as well as
building automation plans for TSN-networks with line-topologies of
several switches connected via 10 Mb/s links (10BaseTX and 10BASE-T1L).
To minimize latency and maximize bandwidth utilization in this line, the
TSN feature "preemption" is required.
Therefore we propose to change 100 Mb/s to 10Mb/s in 99.1.

IMPACT ON EXISTING NETWORKS:
none


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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: 1357                    |            |
|             |  DATE RECEIVED: 13 January 2020          |            |
|             |  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#REQ1357 |
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