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| IEEE 802.1 REVISION REQUEST 0116                                    |
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DATE:June 24, 2013

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REQUESTED REVISION:

    STANDARD: 802.1AS

    CLAUSE NUMBER: 11.4.2.4

    CLAUSE TITLE: correctionField (Integer64)

RATIONALE FOR REVISION:

Subclause 9.5.9.4 of IEEE 1588 - 2008 indicates that the correctionField of the
Sync message shall be zero in the case of a two-step clock. In addition, Table 21
of 1588 says that the correctionField of Announce and Signaling messages (and
management messages, but these are not used in 802.1AS) is zero. Finally, subclause
11.4.3. of IEEE 1588-2008 indicates that the correction field of the Pdelay_Req
message is set to zero by the Pdelay requestor. It was intended that the
correctionField of Sync, Announce, Signaling, and Pdelay_Req in 802.1AS should be
zero, since the correctionField of these messages is not used (in the case of Sync,
it is because the clocks are two-step). However, Table 11-5 of 802.1AS does not
indicate that the correctionField is zero for these messageTypes.

Note that this maintenance request is related to another maintenance request that
indicates that Table 11-5 incorrectly says that the correctionField for Pdelay_Req
contains corrections for fractional ns (and indicates that Pdelay_Req should be
removed from that row).

Note that this change was proposed in a comment during the sponsor ballot
recirculation for P802.1AS-Cor-1 (comment #7 in the final comment resolution for
draft D3.1). The comment was rejected because it was out of scope, but the
committee thought it would be desirable to make this fix in P802.1ASbt, and
indicated the editor should submit this item for entry in the maintenance database.

PROPOSED REVISION TEXT:

Add a row to Table 5 of 802.1AS indicating that the correctionField is zero for
Sync, Announce, Signaling, and Pdelay_Req.

IMPACT ON EXISTING NETWORKS:

This has no impact on existing networks; it simply makes it clear that the
correctionField is not used for Sync, Announce, and Pdelay_Req messages, and
explicitly indicates the field is set to zero.


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| Please attach supporting material, if any                         |
| Submit to:- Tony Jeffree, Chair IEEE 802.1                         |
|  and copy:- Glenn Parsons, Vice-Chair IEEE 802.1                  |
|     E-Mail: stds-802-1-maint-req@ieee.org                         |
|                                                                   |
|             +------- For official 802.1 use -----------+         |
|             | REV REQ NUMBER: 0116                      |         |
|             | DATE RECEIVED:  04/07/13                  |         |
|             | EDITORIAL/TECHNICAL                       |         |
|             | ACCEPTED/DENIED                           |         |
|             | BALLOT REQ'D YES/NO                       |         |
|             | Status: R                                 |         |
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