REVISION REQUEST

DATE: 29 April 2023
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REQUESTED REVISION:
STANDARD:       IEEE Std 802.3-2022
CLAUSE NUMBER:  99.4.7.7
CLAUSE TITLE:   State diagrams

PROPOSED REVISION TEXT:
Add the text 'Produces eight rPLS_DATA.request primitives based on the
8-bit vector.' after the text 'Otherwise it returns a vector containing
0xD5 (i.e., SFD).' in the description of the SMDS_ENCODE() function.

RATIONALE FOR REVISION:
The SMDS_ENCODE(frame_cnt) function produces the Start mPacket Delimiter
(SMD) encoding for the start of a preemptable packet (SMD-S) using the
frame count supplied. The SMDS_ENCODE function is called in the
SEND_SMD_S state in Figure 99–5 'Transmit Processing state diagram' with
the parameter txFrame which will produce the 8-bit SMD-S vector, however,
there is no function call to pass this vector to the RS for transmission.

The similar SMDC_ENCODE(frame_cnt) function includes the text 'Produces
eight rPLS_DATA.Request primitives based on the 8-bit vector.' to pass
its vector to the RS for transmission. This text should be included in
the SMDS_ENCODE(frame_cnt) function description too.

IMPACT ON EXISTING NETWORKS:
None. Existing implementations must have taken the output of the
SMDS_ENCODE(frame_cnt) function and passed the value to the RS for
transmission otherwise there will be no Start mPacket Delimiter (SMD) for
0xD5 preemptable packets.

|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 information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1413