2 REVISION REQUEST 3 +-----4 DATE: 10/9/2024 5 NAME: Luisma Torres 6 COMPANY/AFFILIATION: KDPOF 7 E-MAIL: luismanuel.torres@gmail.com 8 9 REQUESTED REVISION: 10 STANDARD: 802.3cz 11 CLAUSE NUMBER: 166.6.4.8.4 12 CLAUSE TITLE: BER calculation 13 14 PROPOSED REVISION TEXT: 15 In the third bullet, replace 16 "Calculate the histogram of sequence s, where the value of each bin h(i) 17 is normalized to relative probability, such that h(i) = c(i)/Nh, where 18 c(i) is the number of elements in the bin centered in e(i) of width 19 $\Delta = (\max(s) - \min(s))/Nh$, and Nh is the number of bins of the 20 histogram of sequence s, which are selected to be greater or equal to 21 22 with: 23 "Calculate the histogram of sequence s, where the value of each bin h(i) 24 is normalized to relative probability, such that h(i) = c(i)/Ns, where 25 c(i) is the number of elements in the bin centered in e(i) of width 26 \Delta e = (max(s) - min(s))/Nh, Ns is the number of elements of the 27 signal, and Nh is the number of bins of the histogram of sequence s, 28 which are selected to be greater or equal to 500." 29 30 RATIONALE FOR REVISION: 31 The proposed normalization of each bin in the histogram is wrong because 32 the number of elements in the bin c(i) shall be divided by the number of 33 elements of the signal Ns, and not by the number of bins of the histogram 34 This error was already detected in the IEEE 802.3cz Task Force comment 35 36 resolution process of Draft 2.1 (see late comment #47 in 37 https://www.ieee802.org/3/cz/comments/Comments 3cz D2p1 With Resolution.p 38 df, but the resolution replace the number of samples of the sequence s Ns by the number of bins of the histogram of sequence s Nh, instead of 39 40 adding the number of bins of the histograms of sequence s Ns, as required 41 in this maintenance request. 42 43 IMPACT ON EXISTING NETWORKS: 44 None 45 46 47 48 49 50

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	REV REQ NUMBER: 1443
	DATE RECEIVED: 10 September 2024
	EDITORIAL/TECHNICAL
	ACCEPTED/DENIED
	BALLOT REQ'D YES/NO
	COMMENTS: