

802.3 RTPGE Objectives

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RTPGE Objectives Ad Hoc Group

802.3 RTPGE Draft Objectives

- a) Preserve the IEEE 802.3/Ethernet frame format at the MAC client service interface.
 - b) Preserve minimum and maximum frame size of the current IEEE 802.3 standard.
 - c) Define optional Energy-Efficient Ethernet operation for Reduced Twisted Pair Gigabit Ethernet
 - d) Support full duplex operation only.
 - e) Support a speed of 1 Gb/s at the MAC/PLS service interface.
 - f) Maintains a bit error rate (BER) of less than or equal to 10^{-10} at the MAC/PLS service interface
 - g) Support 1 Gb/s operation in automotive & industrial environments (e.g. EMC, temperature).
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- The objectives (a) and (b) were accepted by the Study Group during May-2012 IEEE 802.3 interim meeting
 - The objective (c) was accepted by the Study Group during July-2012 IEEE 802.3 plenary meeting