


Objectives for RTPGE Study Group

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RTPGE Objectives ADHOC Group



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- 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) Support full duplex operation only.
 - d) Support a speed of 1000 Mb/s at the MAC/PLS service interface.
 - e) Support point-to-point operation over a N-connector link segment using copper cabling with less than four twisted-pairs. 
 - f) Support a BER of less than or equal to $10e^{-10}$.


- The objectives (a) and (b) were accepted by the Study Group during May-2012 IEEE 802.3 interim meeting
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802.3 RTPGE Objectives under discussion

g) Define a 1 Gb/s PHY that supports a total channel insertion loss of xx dBm over twisted pair copper cabling per the RTPGE channel model 

Group Feedback: The channel model will be created within the TF when established.

Action Item(s): Remove

h) Support faster training time from cold start of the PHY operation 

Group Feedback: Needs clarification and better wording

Action Item(s): The requesting parties will provide a presentation during July-2012 IEEE 802.3 plenary meeting

i) Define optional energy efficient operation 

Group Feedback: Provide clear wording

Action Item(s): Further discussions are needed during July-2012 IEEE 802.3 plenary meeting

j) Meet RTPGE EMC requirements of the intended markets 

Group Feedback: Needs clarification

Action Item(s): The requesting parties will provide further data during July-2012 IEEE 802.3 plenary meeting