

# Proposed objectives for Next-Gen BASE-T

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George Zimmerman, Ph.D.  
CME Consulting

# Supporters

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- Stephen Bates – PMC-Sierra
- Mike Bennett – LLBL
- Will Bliss – Broadcom
- Brad Booth – Dell
- Mandeep Chadha – Vitesse
- Dave Chalupsky – Intel
- Joseph Chou – Realtek
- John D'Ambrosia - Dell
- Kamal Dalmia – Aquantia
- Wael Diab - Broadcom
- Dan Dove – Applied Micro
- Alan Flatman – LAN Technologies
- Robert Grow – Independent Consultant
- David Koenen – HP
- Kent Lusted – Intel
- Valerie Maguire – Siemon Company
- Ron Nordin – Panduit
- Gavin Parnaby - Marvell
- Rick Rabinovich – Alcatel-Lucent
- Masood Shariff – Commscope
- Bruce Tolley - Solarflare
- Robert Wagner - Panduit
- (your name here)

# Proposed Objectives

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- Support full duplex operation only
- Preserve the 802.3 / Ethernet frame format utilizing the 802.3 MAC
- Preserve minimum and maximum Frame Size of current 802.3 standard
- Support a BER better than or equal to  $10^{-12}$  at the MAC/PLS service interface
- Support Auto-Negotiation (Clause 28)
- Support local area networks using point-to-point links and structured cabling topologies
- Meet FCC Class A EMC requirements
- Support an optional Energy Efficient Ethernet mode

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- Support Auto-Negotiation (Clause 28)
- Support optional Energy Efficient Ethernet