

Revised PROPOSAL to replace existing PHY objectives

Kamal Dalmia, George Zimmerman, Valerie Maguire
(NXP, CME Consulting, Copperopolis)

3/11/2026

Updated Objectives Set for Cl 201

- 6 objectives (one for each rate & link segment) of the form:
 - Define an electrical PHY ~~optimized for end-node cameras~~ supporting **(2.5,5,10)** Gbps point-to-point transmission and 100 Mbps point-to-point reception, and a complementary PHY supporting **(2.5,5,10)** Gbps reception and 100 Mbps transmission, with concurrent transmission in both directions, over the **(balanced pair, coax)** link segment

Updated Objective Set for CI 202

- 2 objectives (one per link segment) of the form:
 - Define an electrical PHY to support *bidirectional* data transfer with 2.5 Gbps, 5 Gbps, or 10 Gbps point-to-point transmission or reception in one direction and 100 Mbps point-to-point reception or transmission in the other direction with the direction of asymmetry and high-speed rate determined at link startup for at least one transmission rate over the **(balanced pair, coax)** link segment.