

IEEE P802.3bv Gigabit Ethernet Over
Plastic Optical Fiber Task Force
Informal Communication

Source: IEEE P802.3bv GEPOF Task Force¹

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Subject: P802.3bv status

Approval: Agreed to at IEEE P802.3bv GEPOF Task Force meeting, Atlanta, Georgia, USA,
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Dear colleagues,

It is my pleasure to inform you that the IEEE Standards Association has initiated a project for specification of Gigabit Ethernet Over Plastic Optical Fiber (GEPOF). This work will be done as an amendment to IEEE Std 802.3, and has the project number of P802.3bv.

The P802.3bv Task Force has begun the selection of core proposals for the technical specifications to be incorporated in a draft. The specifications of P802.3bv will include how data is encoded, optical transmitter and receiver characteristics as well as specifying supported topologies for three different application areas: home networking, automotive networking, and industrial networking. Project documents can be found on the P802.3bv Task Force web pages at: <http://ieee802.org/3/bv>.

We plan on working with you on assuring that we can reference your standards for plastic optical fiber and that the specifications in those standards will be sufficient to assure achievement of our link length objectives for these three application areas. Similarly, we hope

¹ This document solely represents the views of the IEEE P802.3 bv GEPOF Task Force, and does not necessarily represent a position of the IEEE, the IEEE Standards Association, IEEE 802 or the IEEE 802.3 Working Group.

that you will choose to reference IEEE Std 802.3 as using POF cabling in the future when our work is complete.

Our interest at this point is in using red LED on 1mm Step-Index POF. We hope to be able to leverage existing optical transceiver technology.

We would appreciate your guidance in development of our specifications and reference to your standards. It is possible that additional work on POF cabling specifications may be necessary to achieve our link length objectives.

We look forward to working with you as the GEPOF project progresses.

Sincerely,

Robert Grow
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