



August 3, 2017

To: David Law and members of the IEEE 802.3 Working Group

cc: Pete Anslow, 802.3 WG Secretary

John D'Ambrosia - Beyond 10km Optical PHYs Study Group Chair

Subject: 400ZR Interop Project

From: Klaus-Holger Otto, OIF Technical Committee Chair (klaus-holger.otto@nokia.com)

Dear Mr. Law and members of IEEE 802.3,

At our meeting in Halifax, Nova Scotia, Canada, held from Jul 31st-Aug 3rd, 2017 the Physical and Link Layer (PLL) Working Group confirmed system-side interface support for 802.3bs, including PMD 400G AUI, running over compliant 8-lane 56G PAM-4 electrical interface, with KP4 FEC Encoding/Decode per 802.3bj, CL91.5.3.3, aka Mode A. Other system-side formats may be considered in the project as well.

The Physical and Link Layer (PLL) Working Group also selected a concatenated Staircase Hard Decision (SC-HD) + Soft Decision (SD) Hamming Code FEC for the 400ZR single carrier coherent channel implementation.

This project will develop an implementation agreement (IA) targeted at (passive) single channel ZR and (amplified) short-reach DWDM /DCI pluggable modules with distances supported from 80-120 km.

We will continue to update the IEEE 802.3 Working Group on the progress on 400ZR IA. Our next meeting in Shanghai, China, October 31st to November 2nd.

Sincerely,



Klaus-Holger Otto,
OIF Technical Committee Chair (klaus-holger.otto@nokia.com)