

Opening Report

IEEE 802.3 Working Group

2.5G and 5G Ethernet Backplane and Short Reach Copper Cable ,“CU4HDD”, Study Group

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Nov 9, 2015, 802.3 Plenary

CU4HDD Study Group Information

- Named our “band” – Copper for HDD, **CU4HDD**, Study Group in recognition of the target application below.
- From 2015 July Opening Report: “Target applications include
 - Enterprise and Cloud storage market using high capacity HDDs (and SSDs) is transitioning from dedicated drive interface to networked native Ethernet interface. The transition is motivated by “block” storage access method to “object” storage. This represents broad market applicability.
 - Long term bandwidth needs of HDDs, which serve the low-cost and deep storage, are 2.5Gb/s and 5Gb/s. “

CU4HDD Study Group Information

- Study Group Charter: Study, and then Develop PAR, CSD, and objectives of 2.5 Gb/s and 5 Gb/s Backplane and Short reach copper.
- Study Group Information:
 - Reflector information: <http://ieee802.org/3/NGBASET/reflector.html>
- Home page: <http://www.ieee802.org/3/CU4HDDSG/index.html>
- Draft PAR: http://www.ieee802.org/3/CU4HDDSG/P802_3cb_PAR_280915.pdf
- Draft CSD: <http://www.ieee802.org/3/CU4HDDSG/CU4HDD%20SG-CSD-v1-1.pdf>
Draft Objectives:
<http://www.ieee802.org/3/CU4HDDSG/CU4HDD%20SG%20Objectives-v1-1.pdf>

CU4HDD Activities since July 2015 Plenary

- Study Group Approved
- Architecture Ad Hoc calls
 - Four calls, well attended
- September 2015 Interim
 - Met 1.5 Days, 10 contributions
 - Adopted PAR text, CSD, and objectives

Logistics this week

- Tutorial: <http://iee802.org/Tutorials.shtml>
 - #3 Object Storage – a new architectural partitioning in Storage
 - Time: Tonight (Monday), 9 pm start, 60 min nominal (90 min slot)
 - Place: Landmark BC, Lobby (same as other tutorials).
- Study Group meeting
 - Date: Tuesday and Wednesday (time to be adjusted)
 - Place: Reverchon B, Atrium
- 802.3 Closing Plenary
 - Consider CU4HDD PAR, CSD, and Objectives for approval.
 - A quick view now.

Meeting Room – Atrium Level

