

Big ticket items

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IEEE P802.3bs Task Force, SMF Ad Hoc, 2 February 2015

Introduction

During the IEEE P802.3bs 400 Gb/s Ethernet Task Force meeting in Atlanta 14 to 16 January 2015, a set of “Big ticket items” were established and captured in: [big_ticket_items_3bs_01_0115](#).

In [msg00589.html](#), the Task Force Chair wrote:

“I am assigning the SMF, Electrical Interface, and Logic ad hocs the task of reviewing the BTI list generated at last week’s ad hoc meeting (see http://www.ieee802.org/3/bs/public/15_01/big_ticket_items_3bs_01_0115.pdf) and coming back with a set of recommendations that address the following –

- Priority of respective BTIs (in respect to making a decision)
- Action Plan / Data needed to resolve these items
- Identification of other BTI’s that impact resolution of BTI’s
- Feedback, based on review of BTI, for completion of ad hoc recommendations for input into development of new schedule.”

Big ticket items

BTIs common to all proposals:

- Evaluate Coupling between electrical and optical interfaces
- RX Technical feasibility
- Dispersion penalty worst case (in SMF ad hoc)
- TDP. MPI
- RX sensitivity

BTIs for specific proposals

- 10 km, 2 km, 500 m 4 x 100 Gb/s DMT
 - Optical loss budget model
 - Interoperability
- 500m 4 x 50 GBd PAM4
 - More Test results (prefer real data on all proposals)

Thanks!