



P802.3cz ToDo List

IEEE 802.3

P802.3cz Multi-Gigabit Optical Automotive Ethernet
Task Force

Credit

- The content of this presentation is adapted from material presented by Natalie Wienckowski (wienckowski_3cy_02_0720)

P802.3cz ToDo list definition

- The ToDo list is a list of items to be addressed: first to get to D1.0 (Task Force review); and then to D2.0 (Working Group ballot)
- The main objective is to identify gaps in the adopted baselines
 - This makes it easier for potential contributors to provide proposals on the needed content and speed up baseline selection
- At the beginning the ToDo list helps to order the tasks that have to be addressed
 - This requires an agreement from the group

P802.3cz ToDo list structure

- The ToDo list includes the following:
 - High level description of contributions needed
 - Volunteer(s) that will provide the contributions
 - Due dates – e.g. ad hoc or interim meeting at which the contribution will be presented

P802.3cz ToDo list proposal

- From discussion on previous contributions we can extract the following list of task to D1.0 (To be discussed):
 - Input from OEMs
 - Mechanical requirements that will shape the optical channel specifications
 - Environmental requirements
 - Relative cost targets
 - Link budget analysis (≤ 25 Gb/s)
 - PCS encoding, frame structure, modulation scheme, FEC
 - Optical channel, and O/E receiver model
 - Reliability assessment — “reliability constrained link budget”
 - More contributions by optical connector makers
 - Strawman link segment spec for each speed: ILs, RL, MN, min OMA @TP2, ER, RIN, OMA sens @TP3, etc.



Next steps

- Review proposed ToDo list
- Get volunteers (at least one) for each task

Tools for ToDo list discussion

- P802.3cz OMEGA reflector to share your thoughts on the list
- Ad-hoc calls with a preassigned slot time to discuss ToDo list and the status