

TDD sub-Task Force – Minutes February 11, 2013

Provided the IEEE-SA Patent Policy link. Everyone on the call was familiar with the patent policy.

- <https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf>

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Begin Reviewing TDD Text (Andrea)

- The text is available in the private area
- The upstream TX window is a time when the CNU's can transmit. Multiple transmitters can transmit at the same time. The details will depend on the PHY burst mode
- Some of the parameters are optical specific. We should mark those to make sure we review them in case they need to be changed or removed
- You may want to avoid the term "always" since it not used. If it is required you can use the word "shall" if not just remove the term "always." In this case remove the word "always."
- If the term "shall" is used then there is a corresponding question in the PICS clause.
- The question about whether there is a need to include a row in the PICS depends on whether there is a "shall" statement in the text. There is a row in the PICS for every "shall" statement in the text.
- Having "marked-up" text like this is very good. Typically the submissions are smaller and then combined, but this works fine too.
- Make sure that we do not duplicated definitions. Editors will review closely.
- Are you assuming the CLT is a bridging device? There are no assumptions about the architecture of the network. The text is based on a protocol perspective and does not address a physical architecture.

Presentation on Dynamic TDD (Raanan Ivry)

- Dynamically configure TDD Allocation
- Time shared for either downstream or upstream
- One option is to change every cycle, or every few cycles
- Another option is to let the downstream have the time sometimes and let the upstream have it sometimes
- Have you given any thought on how this would be signaled between CLT and CNU? I thought the Gate could be used as well as adding some new messages.
- We are only considering this as a passive segment of the network, is that correct? Yes, TDD is for passive portions of the network.
- Is there is a signal to indicate that there is no upstream (or downstream) to decide whether to allocate to downstream or upstream? There needs to be downstream and upstream all the time. That is why every cycle there is always a minimum downstream and upstream time.
- How is the communication for handling the shared time? In the downstream TX the CLT sends Gate messages. Upstream will also be done with Gate messages.
- In any given cycle the "red" section is either transmit or receive mode, correct? That is one of the options.
- When you set the shared time to zero you have no guard interval. The sentence may need to be modified, but there is a way to change this back to static TDD.

Attendance

Person	Affiliation
Hesham ElBakoury	Huawei
Jim Farmer	Aurora Networks
Andrea Garavaglia	Qualcomm
Marek Hajduczenia	ZTE
Raanan Ivry	WidePass
Dylan Ko	Qualcomm
Curtis Knittle	CableLabs
Juan Montojo	Qualcomm
Satish Mudugere	Intel
Michael Peters	Sumitomo Electric
Bill Powell	Alcatel Lucent
Saif Rahman	Comcast
Duane Remein	Huawei
Steve Shellhammer	Qualcomm
Joe Solomon	Comcast
Tom Staniec	Cohere Communications
Patrick Stupar	Qualcomm
Scott Willy	M-Star
Cheng Zhang	Peking University