

Evaluation Criteria and Requirements Ad Hoc – Minutes Jan 16, 2013

Provided IEEE-SA Patent Policy.

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

Everyone on the call was familiar with the IEEE patent policy.

Discussed the throughput requirement of 1.6 Gb/s in 192 MHz, under baseline channel conditions.

Deleted “at least” as follows,

The standard shall support a downstream data rate of ~~at least~~ 1.6 Gb/s at the MAC/PLS service interface, in a 192-MHz OFDM channel, in baseline channel conditions.

We will bring this to the Task Force once the baseline channel conditions are specified. It was pointed out that baseline channel conditions will likely be specified for downstream next week, while upstream baseline channel conditions will be specified later.

We discussed whether the objective of 1 Gb/s in 120 MHz, would need to be modified.

Added a potential new requirement on frequency transfer error for mobile backhaul applications.

Concerns were also voiced that these performance requirements are not PHY specific requirements, but system level requirements. If such a requirement does find its way into PHY spec, there is no way to verify it separately, i.e., nobody measures what part of the system level precision budget is consumed in PHY alone. Furthermore, EPON does support mobile backhaul services with **no** requirements of this type thrown into the PHY specs. Such a requirement might also overly burden devices that are not expected to carry mobile backhaul services. However, in the PHY spec it is not possible to distinguish one from another (there is just a PHY), given that 802.3 does not provide product specs. Such system level requirements should be brought forward to the group that deals with a system level design.

Attendance List

| Person | Affiliation |
|-------------------|-----------------|
| Alan Brown | Aurora |
| Marek Hajduczenia | ZTE |
| George Hart | Rogers |
| Raanan Ivry | WidePass |
| Ramdane Krikeb | Videotran |
| Leo Montreuil | Broadcom |
| Bill Powell | Alcatel Lucent |
| Duane Remein | Huawei |
| Steve Shellhammer | Qualcomm |
| Peter Wolff | Titan Photonics |