

Evaluation Criteria and Requirements Ad Hoc – Minutes November 27, 2012

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 Chinese EPoC Requirements

In China there is typically fiber to the building with 64 or less users. If there are more users, they put a bridge and divide the users into groups of 64 or less. The cable plant is up to 100 meters.

A data rate of 1 to 2 Gb/s should be sufficient, but not really sure about what the MSO require.

How much RF bandwidth is available in China?

The whole bandwidth is occupied by broadcast TV. Not sure not how much will be available.

For HiNOC 2.0 there is the 750-1006 MHz band. 256 MHz of spectrum is used by a HiNOC channel.

Do the Chinese want a lower cost system with possibly lower bandwidth than 192 MHz? Some people have suggested 64 MHz.

Not sure of the requirement. Some people have said that 192 MHz is too large. Operators may be happy to have that if it is not too expensive.

There is interested in knowing more HiNOC data rates.

HiNOC 2.0 is TDD so the data rate is shared
Total data rate target is 1 Gb/s, in a bandwidth of 128 MHz.

People are looking into channel bonding to increase data rate in HiNOC.

What service is China Telecom providing in MDUs?

We are targeting combining broadcasting, Internet data and voice in China.

Are 64 users the number of users or the number of homes passed? It is the number of users.

HiNOC 2.0 is currently looking at TDD, but we could also look into FDD.

What delay is acceptable?

For end-to-end delay 20 ms for video. Not sure about the budget for the access network.

When would HiNOC be ready for deployment?

HiNOC would be deployed in two years.

Why would a Chinese MSOs choose HiNOC or EPoC in a deployment?

Not sure, but maybe it would be based on performance and cost.

We will schedule another Asia-Friendly Time Ad Hoc call to talk more about the Chinese requirements once we have some draft requirement, so we can get feedback on the draft requirements.

Attendance

Person	Affiliation
Ed Boyd	Broadcom
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Mark Laubach	Broadcom
Leo Montreuil	Broadcom
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Evan Sun	Huawei
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