

P802.1CM Time-Sensitive Networking for Fronthaul

Project Authorization Request
(PAR) – Comments

2015-07-15

Comments from CPRI Cooperation

- › 1 PAR – generally no major comments. Possibly the statement of “in close cooperation with CPRI” can be interpreted a bit strong and might create expectations that we will not be able to meet fully. Suggest to re-phrase this to “in liaisons with CPRI” or at least remove the “close” since we will not directly work in the IEEE project but rather interface with the IEEE project.
 - ***“close” has been removed***
- › 2 CSD – no comments so far

Comments from the 802 Chair

- › The term "fronthaul" should be defined somewhere in the PAR to aid the members of NesCom and SASB in understanding the application the PAR is intended to address.
- › ***Definition of “fronthaul” has been added to 8.1***

Comments from 802.3

- › Suggest that definition of “fronthaul network” be added to Section 8.1 to assist NesCom.
- › ***Definition of “fronthaul network” has been added to 8.1***

Comments from 802.11

8.1 – Note “(Item Number and Explanation)” is missing

Why would this statement not be included in 7.2?

Is the closeness not a joint effort?

Current text: “This work will be done in close collaboration with CPRI Cooperation.”

Expand abbreviation – “ CPRI”

Note from your url: **The Common Public Radio Interface (CPRI™)** – so do you need to use the “TM”.

It may be better to just not include the sentence?

Comments from 802.11 with responses

8.1 – Note “(Item Number and Explanation)” is missing

Why would this statement not be included in 7.2?

Is the closeness not a joint effort?

It is not a joint development effort. It is an IEEE-SA development with input from CPRI.

Current text: “This work will be done in close collaboration with CPRI Cooperation.”

Expand abbreviation – “ CPRI”

Note from your url: **The Common Public Radio Interface (CPRI™)** – so do you need to use the “TM”.

Done

It may be better to just not include the sentence?

It is better to make the collaboration clear.

2.1 Title

- › Time-Sensitive Networking for Fronthaul

5.2 Scope

- › This standard defines profiles that select features, options, configurations, defaults, protocols and procedures of bridges, stations and LANs that are necessary to build networks that are capable of transporting fronthaul streams, which are time sensitive.

5.4 Purpose

- › The purpose of this standard is to enable the transport of time sensitive fronthaul streams in Ethernet bridged networks.

5.5 Need for the Project

- › A mobile operator's radio equipment and radio equipment controller are often separated and the connection between them has very stringent requirements. This fronthaul connection is not provided by a bridged network today. In an IEEE 802.1 bridged network potentially carrying other categories of traffic, specific configurations of various IEEE 802 standards (e.g. P802.1Qbu, P802.1Qbv, P802.3br) are needed to meet the requirements of the fronthaul streams. Therefore, the use and the configurations of functions defined in the IEEE 802 standards have to be specified by standard profiles for bridged fronthaul networks.

8.1 Additional Explanatory Notes (Item Number and Explanation)

- › 5.2: The transport link between the radio equipment and the radio equipment controller is referred to as fronthaul. A fronthaul network is a bridged network providing the fronthaul.
- › 7.2: This is not joint development, however, this work will be done in **close** collaboration with **Common Public Radio Interface (CPRI™)** Cooperation (<http://www.cpri.info/>).