Source: **IEEE 1914 Next Generation Fronthaul Interface (NGFI) Working Group**[[1]](#footnote-1)

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From: Jinri Huang, Chair, IEEE 1914 Next Generation Fronthaul InterfaceWorking Group

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Date: May 19, 2017

Subject: **Liaison to ITU-T Study Group 15 Question 13 on asymmetry evaluation**

Dear Colleagues,

IEEE 1914 Working Group is now on the stages of drafting the IEEE P1914.1 standard. This standard is dealing with the development of next generation fronthaul interface (NGFI) scenarios & use cases. For more details regarding our Working Group as well as previous liaison with you please refer to:

<http://sites.ieee.org/sagroups-1914/> and <https://www.itu.int/ifa/t/2017/ls/ieee1914/sp16-ieee1914-iLS-00002.docx>.

During IEEE 1914 last meeting (Dallas, April 19th-21st 2017) our WG discussed the influences of timing errors on several advanced services being envisioned for 5G networks. One of the areas we found to lack enough information on is the asymmetry induced-error in unidirectional and bi-directional fibers, due to different fiber lengths (unidirectional case) and different wavelength (both cases) in the two directions, and possible methods to calibrate the link asymmetry.

Are you considering any link asymmetry calibration procedures (e.g. reversing the direction of transmission)? If yes, we would kindly request you to liaise us detailed information regarding such procedures, thus allowing us to verify that NGFI definitions and requirements are compliant with them.

Truly yours,

Jinri Huang, Chair, IEEE 1914 Next Generation Fronthaul InterfaceWorking Group

1. This document solely represents the views of the IEEE 1914 Working Group,and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE Communications Society. [↑](#footnote-ref-1)