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

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Date: September 20th, 2022

Subject: **Liaison to ITU-T JCA-IMT2020 in response to request on 5G-related activity update**

Dear Colleagues,

Many thanks for reaching us with your liaison "JCA-IMT2020-LS11-Doc-O-21-R1-LSout.docx".

IEEE 1914 Next Generation Fronthaul Interface (NGFI) Working Group is devoted to specifying the architecture, requirements and solutions to 5G Fronthaul transport networks. There are currently two Task Forces under the IEEE 1914 WG: the IEEE 1914.1 TF and IEEE 1914.3 TF, respectively. While the IEEE 1914.1 TF was set up to develop the NGFI transport architecture and requirements, the IEEE 1914.3 TF was set up to define the specification of radio signal encapsulation into Ethernet packets.

The IEEE 1914.1 TF has finished its IEEE 1914.1 project and published the IEEE 1914.1-2019 standard. As for the IEEE 1914.3 TF, it is currently developing a revision of the IEEE 1914.3-2018 standard. The WG recirculation ballot on IEEE P1914.3-rev draft 1.8 of this revision has finished.

More details on our WG can be found at https://sagroups.ieee.org/1914/.

Please see in appendix our response to your survey request.

We look forward to further communication and collaboration with you in the future.

Sincerely,
Jinri Huang, Chair, IEEE 1914 Next Generation Fronthaul Interface Working Group

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[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.

Appendix – template to provide information on IMT-2020 and beyond related activities

Activity domain	Entity	Title of deliverable	Scope of deliverable	Current status	Reference/URI
C-RAN/O-RAN Fronthaul	IEEE P1914.3-rev	**Radio over Ethernet Encapsulations and Mappings**	This standard defines the encapsulation and mapping of radio protocols transported over Ethernet frames and Internet Protocol (IP) packets and the operation of mappers and de-mappers. Structure-agnostic definitions are provided for any digitized radio data. Structure-aware definitions are provided for the Common Public Radio Interface (CPRI™). Native mode definitions are provided for normal and compressed digitized radio in-phase and quadrature (I/Q) payload. Specifications are provided for parameters, control messages, and mechanisms that are used to operate, administrate, and maintain mappers and de-mappers. A management model and a YANG data model are defined.	Working Group recirculation ballot on draft P1914.3-rev/D1.8 has closed.	https://sagroups.ieee.org/1914/p1914-3/