IEEE 1914 NGFI

P1914.1 TF Closing Report

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Summary

❑ Submit contributions before deadline, including the complete document

❑ Concrete proposals in the submission, motions preferred

Example:
http://grouper.ieee.org/groups/1904/3/meeting_archive/2016/04/tf3_1604_korhonen_ptk_type_1.pdf

Summary - continued

❑ In total 15 input papers

➢ Covers discussion of different aspects, including user cases, architecture, requirements, performance analysis etc.

➢ Divergent

❑ To improve in future

➢ - Consistent model/methodology/terminology/naming convection, for example, for functional split proposals, the same model/parameter/perspective is expected in the discussion and conclusion.

Template for gap analysis

Proposed template

Features/technologies	// brief description
Typical configuration	// If possible, to give quantitative figure
Key impact on FH transport	//if sticking to traditional CPRI, what is the impact on FH transport to implement the technology/feature
Potential solution to transport	//high-level/general description
Potential scenarios of the feature/tech.	
Applicable for D-RAN or C-RAN	
Priority	// (Operators' view) How important? Operators' view

For each table (corresponding to one feature/tech.), paragraphs of text description should be provided in the future in order to be incorporated to the final spec.
Some items should be continuously updated with the progress of 5G study

Source: http://sites.ieee.org/sagroups-1914/files/2016/08/tf1_1608_Huang_gap-analysis-and-scenarios_2.pdf

Gap analysis example

Massive MIMO

mMIMO	
Typical configuration	64 Tx/Rx for sub-6GHz and 256 Tx/Rx for 30GHz, 1024 Tx/Rx for 70GHz
Key impact on FH transport	Very high FH bandwidth, e.g. on the 100G order of magnitude
Potential solution to transport	Novel function split scheme
Potential scenarios of the feature/tech.	Dense urban, outdoor-to-indoor coverage, indoor coverage
Applicable for D-RAN or C-RAN	Currently D-RAN; To support C-RAN, the FH issue MUST be addressed;
Priority	High

Source: http://sites.ieee.org/sagroups-1914/files/2016/08/tf1_1608_Huang_gap-analysis-and-scenarios_2.pdf

AIs

- ❑ Review/study of reference architecture/consolidated user scenarios (Study of different functional splits) – Jouni Korhonen

- ❑ List requirements/technologies/other features - all

- ❑ Timeline review – Bomin Li

- ❑ Glance in 3GPP – Jinri Huang

- ❑ Skeleton/terminology of standard draft – Jouni Korhonen by October f2f meeting

Motions

❑ None

Thank you!