

What's in Scope for 5G/IMT-2020 Standing Committee?

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Re:

5G/IMT-2020 Standing Committee

Base Contribution:

[none]

Purpose:

For discussion at 5GSG meeting of 2016-03-30

Summary

- EC chartered 5G/IMT-2020 Standing Committee (2016-02) and assigned a scope
- Scope was subject to discussion at 802 Plenary (2016-03) but not revised
- Some elements proposed during discussion may already be implicitly included in assigned scope

Assigned Scope

- To provide a report on the following items to the EC:
 - Costs and benefits of creating an IEEE 5G specification
 - Costs and benefits of providing a proposal for IMT-2020, considering possible models of a proposal:
 - as a single technology,
 - as a set of technologies,
 - or as one or more technologies within a proposal from external bodies (e.g., 3GPP)
- During its lifetime, to act as the communication point with other IEEE organizations on this topic.

Some proposed changes to scope
discussed at 802 Plenary of March 2016

- calling out spectrum needs and access issues
- broadening “IMT-2020” to “IMT”
- vision of the role IEEE 802 technologies will play in 5G
- cost and benefits of developing an IEEE 802 5G standards ecosystem

Scope Status of *calling out spectrum needs and access issues*

- Consider assigned scope element “Costs and benefits of providing a proposal for IMT-2020”
 - technology in IMT-2020 would be relevant for spectrum “identified for IMT”
 - WRC-19 agenda looks above 24 GHz for new IMT spectrum
 - non-IMT spectrum opportunities could also develop
 - regulators may be less inclined to find spectrum for 802 technologies *outside* IMT identification if those technologies are part of IMT
 - so looking at possible lost non-IMT spectrum opportunities can be part of the IMT-2020 cost/benefit report

Scope Status of *broadening “IMT-2020” to “IMT”*

- Consider assigned scope element “Costs and benefits of providing a proposal for IMT-2020”
 - A proposal for IMT-2020 would require great effort
 - A concurrent proposal for IMT-Advanced (or IMT-2000) would also require great effort
 - The former would detract from the latter and would therefore be a cost.
 - So more general IMT issues could be part of the IMT-2020 cost/benefit report.

Scope Status of *vision of the role IEEE 802 technologies will play in 5G*

- Consider assigned scope element “Costs and benefits of creating an IEEE 5G specification”
 - Many views of 5G exist.
 - Many possibilities exist regarding the role of IEEE 802 technologies in 5G.
 - Many possibilities exist regarding the intent and content of an IEEE 5G specification.
 - It is difficult to understand the “Costs and benefits of creating an IEEE 5G specification” without a “vision of the role IEEE 802 technologies will play in 5G”

Scope Status of
cost and benefits of developing an IEEE 802 5G standards ecosystem

- Consider assigned scope element “Costs and benefits of creating an IEEE 5G specification”
 - An IEEE 5G specification could be the foundation of an IEEE 802 5G standards ecosystem.
 - Such an ecosystem could be a benefit of an IEEE 5G specification.
 - So the benefits of an IEEE 802 5G standards ecosystem could be considered as part of the “Costs and benefits of creating an IEEE 5G specification”

Summary

- Many of the elements proposed during the March Plenary for addition to the Scope are implicitly included within the Scope
- Some intentions of the March proposals would have limited and sharpened the Scope
 - this did not happen
 - the work of the group will be contribution-driven, and not all aspects within the scope will be subject to contributions
- Scope could be revised by EC at teleconference meeting of 7 June
 - it might be best to not put further energy into the issue