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| Minutes of the IEEE 802 5G SC June 15th Conference Call |
| **Date: June, 16th 2016** |
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## Abstract:

Minutes of the IEEE 802 5G SC conference call on June 15th, 2016

# Conference call on Wednesday, June 15th, 2016 10:00-11:00AM ET

Chair: Glenn Parsons

Recording secretary: Max Riegel

## Call to order

* Chair called meeting to order at 10:00 AM ET
* Guiding slides with agenda proposal by EC doc#61r9
* <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0061-09-5GSG-5g-sc-conference-call-agenda.pdf>
* IEEE SC Guidelines
* Chair showed mandatory slide for IEEE standing committee meetings and explained duties of participants

## Participants

| **Name** | **Affiliation** | **Name** | **Affiliation** |
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| Glenn Parsons | Ericsson | Janos Farkas | Ericsson |
| Max Riegel | Nokia | Jim Lansford | Qualcomm |
| Don Sturek | SSNI | Rodney Cummings | NI |
| Dorothy Stanley | HPE | Roger Marks | EthAirNet Assoc. |
| George Calcev | Huawei | Sam Sambasivan | AT&T |
| Hakan Persson | Ericsson | Yasuhiko Inoue | NTT |
| Hassan Yaghoobi | Intel | Yonggang Fang | ZTE TX |
| James Lepp | Blackberry |  |  |

## Agenda

* Chair brought up agenda proposal contained in guiding slides
* Review of future meeting schedule
* Plan for face-to-face meeting
* Plan for report
* <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0065-09-5GSG-5g-sc-report-layout.pdf>
* No further agenda requests were made.
* Chair confirmed to Hassan that time for discussion of particular options is available during ‘Plan for report’ agenda item.

## Review of future meeting schedule

* The chair explained the schedules and plans for the upcoming 5G SC meetings
* Plan for June 24th F2F meeting in Ottawa
* Chair presented tentative agenda and explained that the target of the meeting is to go finally into drafting of the report
* Plan for July plenary meeting
* Primary goal is the presentation of report
* The chair would expect broad interest filling the room
* Wordsmithing of the report will be done in the meeting as far as necessary
* The chair will strive for consensus on the choice of option, but at least he will run a couple of straw-polls to provide indications on preferred directions
* Finally the EC has to decide about the disposition of the 5G SC
* Glenn explained that either the scope of the SC will be modified for continuation, or the SC will be disbanded and the actual 5G related activities would move into the working groups.
* No questions were raised when the chair asked for open issues regarding the F2F meetings.
* Upcoming calls
* The conference calls on July 6 & 13 might be canceled as the chair is out for vacation
* Final decision will be taken next week at the F2F meeting
* Logistics
* Ottawa F2F meeting
* Meeting time 9-12am ET
* Join.me available for monitoring and likely also for interactive exchanges
* Glenn asked for emails from all who intend to attend to allow him to set up a sufficient environment and provide lunch to the participants
* Offline discussions may continue over lunch and in the afternoon
* July plenary meeting
* First session on Monday, July 25th in the second evening slot directly after the tutorial on the new myProject system
* Another session will be held on Tuesday, July 26th in the regular evening slot likely starting at 7.30PM PT as Glenn confirmed when Roger brought up the question.

## Plan for report

* Glenn presented latest status of the report as contained in the slide deck <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0065-09-5GSG-5g-sc-report-layout.pdf>
* Report format
* Paul’s preference is the document format, Glenn would prefer slides as it would require less effort to create the input for the EC. Creating a text document would require an editor as well as more contributions covering the various aspects of the report.
* For time being the work is continued in the slide format but preparing for a text document as much as possible.
* Definition of 5G
* No further additions were done beyond Glenn’s definition of meaning of 5G in scope of IEEE
* Roger expressed that he isn’t completely in line with the current language on slide 9 on IMT-2020 characterization. He will provide an alternative proposal within an upcoming contribution
* Glenn confirmed that actually only the terms are defined in M.2083 and nothing has done so far beyond listing the 3 application domains. Also the 5G architecture figure has not been detailed yet beyond the simplistic figure created by the chair.
* Recap of the various options
* Glenn stepped through the slides showing the various options to get engaged in 5G and showed the alternative discussed last week on the 4. IMT-2020 external proposal
* Initially the differentiating question was whether to request IMT-2020 spectrum or not for 802.11
* There was a different view brought up last week that option 4 is more about cooperation and less on requesting spectrum
* 4a would describe passive approach with 3GPP sending submission with LWA/LWIP included
* 4b would cover some cooperation with 3GPP to enhance such integration with some performance evaluation necessary for the ITU submission
* Initial thoughts on cost/benefits
* Cost benefits slide on options 4a and 4b
* 4a is without new spectrum but 4b was with new spectrum, but with more spectrum there would be much more efforts to jointly create IMT submission
* Glenn proposed to modify 4a and 4b to 4’a and 4’b focusing on no efforts/no collaboration vs. considerable efforts for cooperation
* Roger proposed to include a further 4’’ option as he believes the question is about whether the IEEE technology is becoming an IMT technology
* 4’’a would consider that IEEE technology is just another way to carry data without complying to IMT-2020 technology requirements
* 4’’b would address that the IEEE technology fulfills the IMT-2020 requirements with complete performance evaluation to be delivered
* Glenn explained that he addressed this thought with his distinction regards spectrum assignment, and the RIT would the demarking line; in 4a there is no IEEE RIT, but in 4b there is an IEEE RAT
	+ Roger confirmed that IEEE technology as RIT would finally get access to the IMT 2020 spectrum and proposed to make use of the example of 5GHz being used for supplementary data transfer for illustrating the distinction
* Glenn concluded that the description of the distinction between 4a and 4b has to be reviewed
* Hassan appreciated that the slide deck lists other variants of the options for consideration, but in his view any variant under 4 would be aimed for support of a 3GPP submission and IEEE would not be treated as standalone technology proposal. And indeed two different views would be possible; what IEEE contribute to the SRITs of 3GPP, or what features supports 802.11 in the 3GPP proposal
* Hassan confirmed that 4’ would be closest to what he had in mind in last week’s meeting.
* Glenn mentioned that he created 4’ after the discussions last week and the ambiguity is now about whether RIT is coupled with use case or features.
* Roger made the proposal to define an option 4c combining 4a and 4b and addressing both functional enhancements as well as IMT RIT
* Glenn concluded that Roger’s proposal would make sense and should be considered next week. He asked for input for next week’s meeting on this combination.
* Glenn stated that nothing was changed for cost and benefits of the IEEE 5G cases but he wondered about the possibility to merge the cost considerations under 4 potentially leading to two statements under 4a considering with and without 3GPP interaction.
* Looking forward for next week’s contributions
* Glenn appreciated the good feedback on 4 and 4’, and invited feedback on the other options, but in particular thoughts on cost considerations for interacting with 3GPP.
* Roger confirmed that he believes that he will get something done for next week.
* Hassan offered to provide feedback, but there is no plan for a contribution
* Nobody else announced a contribution for the upcoming F2F meeting.
* The chair offered to reach out to several other people to encourage contributions for next week’s F2F. He will again update the slides adding for example a summary slide for 4a, which would provide input for a written introduction to that section.
* He added that it is still unclear who would finally execute the collaboration with 3GPP. Such details have to be added to the report in the next step and are required for the conclusion in July.

## AOB

* No other topics were raised.

## Adjourn

* The meeting was adjourned by the chair at 10:59 AM ET