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| Minutes of IEEE 802.1 OmniRAN TG March 15th F2F Meeting on 5G SC Action A |
| **Date: March 31st, 2017** |
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## Abstract

Minutes of the IEEE 802.1 OmniRAN TG 5G SC Action A F2F Meeting on March 15th, 2017.

The meeting didn’t result in an unanimously accepted draft ICAID text proposal due to one individual participant objecting to the expression to encourage cooperative functionality among IEEE 802 standards.

The revision of ICAID proposal aimed for submission to the 802.1 closing plenary seeking the approval to 802 EC, which was accepted by all participants except the person objecting is as follows:

<https://mentor.ieee.org/omniran/dcn/16/omniran-16-0084-05-5gaa-draft-icaid-for-5g-sc-action-a.docx>

The above revision was further reviewed and modified in 802.11 AANI SC, and those changes are included in the final version as follows which has been approved on 802.1 closing planery.

<https://mentor.ieee.org/omniran/dcn/16/omniran-16-0084-07-5gaa-draft-icaid-for-5g-sc-action-a.docx>

# Wednesday, March 15th, 2017

Chair: Max Riegel

Recording secretary: Hao Wang

## Call to order

* Meeting called to order by Max Riegel at 16:02 ET
* Meeting was guided by the slides uploaded and maintained by the chair:
<https://mentor.ieee.org/omniran/dcn/17/omniran-17-0032-00-5gaa-mar-15-5gaa-meeting-slides.pptx>

## Minutes

* Hao Wang volunteered to take notes.

## Attendance

Attendance was registered on IMAT.

## IEEE WG Guidelines

* The chair presented the mandatory IEEE SA guideline slide for pre-PAR activities.

## Agenda approval

* The chair presented the proposed agenda for discussion and approval.
* Introduction
* Review of minutes
* Update on IEEE 5G SC achievement
* Industry Connections Activity
Initiation Document (ICAID)
* Going forward
* AoB
* Agenda was approved without further comments.

## Introduction

* The chair provided a short introduction into the history and scope of the activity by going through the slides contained in the guiding meeting slides and providing a recap of the 5G SC conclusions.
* The group agreed that the requirements defined by NGMN for the 5G mobile networks may only be used as the trigger to address users of IEEE 802 technologies other than mobile operators.
* Max brought up a snapshot on Glenn’s (chair of 802.1) email sent to the 802 EC which indicates the pre-submission of ICAID seeking for approval.
* Max shortly presented his thoughts regarding the scope and targets of the Industry Connections activity. He brought up the potentials of IEEE SA support to determine enhanced engagement in IEEE 802 by users of IEEE 802 technologies from vertical applications.
* The chair highlighted a statement from the conclusion on IEEE 5G SC Action A saying, ‘(specify an 802 access network) …gives 802 a central role in non-cellular 5G networks’. The statement is further backup by a network architecture figure on slide 10 of the meeting slides, which clearly identify the area where IEEE 802 is keen in. The idea is well received by the group without raising any concerns.
* When it came to the exact wording of the ICAID, it worked out to be challenging to find a commonly agreed phrase which precisely describes such area. See the clause ‘Industry Connections Activity Initiation Document (ICAID)’ for more details.
* The chair calls for a better marketing name for this IC instead of ‘IEEE 802 network enhancements for the next decade’. Replacement of the current title would be even possible in the middle of the project according to the IEEE IC’s rules.
* The chair declared that comments from two commenters received after the last conference call would be addressed in the meeting.

## Review of minutes

* The chair announced the following list of minutes of previous conference calls and F2F meetings are stored on mentor and asked for comments, if any.
* Dec 6th ConfCall
* <https://mentor.ieee.org/omniran/dcn/16/omniran-16-0093-00-5gaa-dec-6th-5gaa-conference-call-minutes.docx>
* Jan 18th, F2F meeting
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0012-00-5gaa-jan-18th-5gaa-f2f-meeting-minutes.docx>
* Jan 31st ConfCall
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0016-00-5gaa-jan-31st-5gaa-confcall-minutes.docx>
* No remarks were made on the content of the minutes.

## Industry Connections Activity Initiation Document (ICAID)

* By referencing to the proposed text addition to section 2 addressing the first comment, the chair explained the participation and voting model in case voting is required during the activity, especially in the case that the meetings are held outside 802 plenary or interim meetings. As it complies with 802 WG P&P, the the proposed amendment is accepted by the group.
* Starting the comment resolution of clause 3.1 (Motivation and Goal) Max introduced his proposal of modifications to address the comments from 802.3 group. The proposal aim to further clarify the key area of this IC, avoid the overlap with the active 802.3 ICAID for ‘New Ethernet Applications’, and highlight the goal of forwarding information to relevant WG.
* <https://mentor.ieee.org/omniran/dcn/17/omniran-17-0031-00-5gaa-icaid-revision-proposal.docx>
* For information to the participants, Max briefly introduced the active 802.3 ICAID.
* <http://standards.ieee.org/about/sasb/iccom/IC15-005-02_New_Ethernet_Applications.pdf>
* He then explained that current 802.1 IC has no intention to enhance either the generic Ethernet technologies or usage of Ethernet in IMT-2020, aka the 5G.
* As a resolution, ‘wireless and high layer’ and ‘outside of the IMT domain’ is inserted into the first sentence of the last paragraph and Max confirms that ‘higher layer’ specifically means 802.1 domain.
* Roger prefers to leave the phrase out to allow more options. Considering the rather broad scope defined by IMT-2020, such statement leaves only limited space for 802. The idea is endorsed by Walter who suggests to avoid such statement in such an early stage as it sets up the perimeter with unknown size.
* Lei prefers to keep the phrase and suggests to change into ‘not belonging to mobile networks’ quoting from the chair’s view on the scope. But it seems very misleading especially to those newly joined participants.
* Given the common understanding established based on the chair’s introduction figure, rough consensus could be reached in the group to keep the proposed wording of the goal statement.
* Lei requested the clarification on ‘… of future communications’ and suggests to replace by ‘network enhancement for the next decade’ (in response to the title).
* Paul suggested, it is simplified to ‘networks for the next decade’.
* As nobody objected, the chair applied the proposed change to the ICAID.
* Lei brought up that current motivation is not sufficient and explicit enough to show IEEE 802 would address more requirements beyond IMT-2020 does, and strongly argued against to show one specific topic in the goal since it closes the future discussions in some ways.
* But the chair reminds that such idea is not appropriate providing two reasons:
* 802.1 IC should response to conclusion achieved by IEEE 5G SC Action A in the goal;
* Current scope can’t be broader otherwise it will fail to serve the purpose for 802.1
* Lei then offered to keep the topic statement with the condition that more topics must be listed as well as the goal.
* The addition of more topics did not find agreement in the group.
* Roger indicated that understanding requirement for integrated larger network will benefit more on understanding the requirement for each individual network and further explained the nature of the cooperative functionality being the high layer integration. He also pointed out the problem in 3GPP and WLAN integration as being lack of such high layer function within each system. As a result, it leads to complicated and unnecessary adaptation between systems.
* Lei withdraw her favor of the ICAID and declare that it is cross the line of her basic understanding about the IC activity and IEEE SA Action A, and requested her objection to be formally recorded.
* As no further text proposal for resolving the issue were made and the end of the session was approaching, the chair asked to move on.
* Joe suggested to break the second paragraph into two in order to show a clearer structure.
* The group agreed, and the chair introduced the change into the document and pointed to the final addition in the section, which was aggreed.
* As a basic consensus, forwarding information to the relevant 802 WG should be granted as a goal.
* The chair concluded the discussion on the ICAID and explained that he would continue with the original sentence for the topic statement and he will submit the revision draft to 802.1 closing plenary for approval mentioning the unresolved comment.
* https://mentor.ieee.org/omniran/dcn/16/omniran-16-0084-05-5gaa-draft-icaid-for-5g-sc-action-a.docx

## Next steps

* The chair presented the slides 24-28 of the guiding slides providing information about the next steps forward and the potential approaches for execution of the industry connection activity.
* Paul brings up his concerns on the ‘vertical’ applications as the classification is rather informal. The group agrees to use the connections to these ‘vertical’ applications as a start point.
* Another attendee notifies the ongoing project in 802.24 on identifying the application area where directly apply 802.11 and 802.1 technologies. Such information is welcomed by the group for further investigation.

## AOB

* No other topic was brought up.

The chair adjourned the meeting at 18:15 PT.