



IETF, 3GPP and 5G

June 7, 2017

The all new "Wednesday Speaker Club" took place today in West Palm Beach - during the 3GPP TSG Plenary meeting - with Alissa Cooper, the IETF Chair, sharing her views on how 3GPP and the IETF can cooperate on 5G.

Cooper told 3GPP delegates that important parts of the 5G work will span multiple SDOs and open source projects. She observed that IETF relationships with the IEEE, BBF, OPNFV and other bodies will be an area that will help broader collaboration, in addition to the potential for 3GPP and IETF to build on our well established cooperation on SIP/IMS and EAP-AKA work.

Georg Mayer, the 3GPP CT Chairman, introduced Ms Cooper as the first speaker in this new speaker club series. He set the scene for the presentation, telling delegates from the assembled 3GPP SA/CT and RAN (#76) plenaries that 3GPP - IETF cooperation has already made a major impact - particularly on protocol related topics.

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Riding the NB-IoT bicycle

May 19, 2017

By Matthew Webb, 3GPP rapporteur on Enhancements of NB-IoT (NB_IOTenh).

Participants at the 3GPP RAN (WGs 1, 2, 3, 4, 5, 6) and the SA2 Working Group meetings, hosted by Huawei in Hangzhou this week, have joined a NB-IoT bicycle tour around Hangzhou's beautiful West Lake.

The equipment used is an example NB-IoT use case being deployed in a cellular network in China, as part of a bicycle sharing service 'ofo'. The bicycles are unlocked via a pin from a smartphone - by scanning a QR code on the bicycle. The pin code wakes up the NB-IoT module, which reports to the server then goes back to sleep until the user finishes the ride. When the customer locks the bicycle, the NB-IoT module re-activates to report the journey information and to generate a new pin for the next user. The NB-IoT module can also wake more often to provide other functions, such as periodic location reports.



By installing NB-IoT modules - which are pin-for-pin compatible with GPRS modules in the existing locks - power consumption is much improved, with the stand-by time extended by years, using the same battery.

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ABOUT RELEASES

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- Release 7
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FULL MEETING CALENDAR

GERAN	75	Berlin (TBC)	21-25 Aug 2017
CT	77	Sapporo	11-12 Sep 2017
RAN	77	Sapporo	11-14 Sep 2017
SA	77	Sapporo	13-15 Sep 2017
GERAN	76	US	27 Nov-01 Dec 2017
CT	78	Lisbon	18-19 Dec 2017
RAN	78	Lisbon	18-21 Dec 2017
SA	78	Lisbon	20-22 Dec 2017
CT	79	India	19-20 Mar 2018
RAN	79	India	19-22 Mar 2018
SA	79	India	21-23 Mar 2018
CT	80	North America	11-12 Jun 2018
RAN	80	North America	11-14 Jun 2018
SA	80	North America	13-15 Jun 2018

BROWSE TECHNOLOGIES

- LTE-Advanced
- LTE
- Carrier Aggregation Explained
- HetNet/Small Cells
- NAS
- The Evolved Packet Core
- HSPA
- UMTS
- W-CDMA
- GPRS & EDGE