Draft Agenda

Fifth GNSS Raw Measurements Task Force Meeting

Online, 17 May 2022

13:45 - 19:00 (CEST)

13:45 – 14:00 Connecting to the Webex Platform

[SESSION 1]

14:00 – 14:10 **Welcome by the Head of Market, New Services & Downstream Innovation Dpt.**
Fiammetta Diani, EUSPA

14:10 – 14:45 **Keynote speech, "Latest updates from Android world" TBD**

Frank van Diggelen and Mohammed Khider, Google

14:45 – 15:15 **Update on EGNSS Opportunities**

Manolo Lopez, Joaquin Reyes, Flavio Sbardellati

15:15 – 15:30 Break

[SESSION 2]

15:30 – 17:00 **Task force members: Innovative work results using raw measurements**

2.1 Miquel Garcia-Fernandez, Rokubun, "Towards a scalable and hybrid positioning system for urban and mass-market applications (first results from the BANSHEE and UNION projects)"

2.2 Sean Barbeau, University of South Florida, "Improving the transparency of smartphone GNSS capabilities through crowdsourcing"

2.3 Alex Minetto, Politecnico di Torino, "DGNSS Cooperative Positioning in Mobile Smart Devices: A Proof of Concept"

2.4 Aravind Ramesh, University of Gustave Eiffel, "External - Connection Free Multi – Constellation, Dual-Frequency GNSS positioning on Smartphones"

2.5 Sharma Himanshu, Universität der Bundeswehr München, "In-house Paperclip GNSS Antenna and its Performance Analysis with Smartphone GNSS positioning"

2.6 Silvio Del Pizzo, University of Naples, "Time-Differenced Carrier Phases technique for precise velocity estimation of an android smartphone"

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2.7 Renato Filjar, University of Rijeka, "An SDR-based GNSS position estimation algorithm in navigation domain established on utilisation of self-adaptiveness to ionospheric conditions"

17:00 – 17:15 Break

[SESSION 3]

17:15 – 19:00 **Latest testing results and implementation of EGNSS differentiators**

3.1 Stefan Maier, Rohde Schwarz, "Test suite to assess the compliance of smartphones to the E112 Commission Delegated Regulation (EU) 2019/320 and the implementation guidelines" TBC

3.2 Pramod Makineni, Airbus, "Smartphone and smartwatches testing using raw measurements"

3.3 Xurxo Otero Villamide, ESA, "Multi-frequency multi-constellation mass-market GNSS chipset test campaigns"

3.4 Guenter Heinrichs, Spirent, "Spirent Simulator program for SMEs"

3.5 TBC, EGNSS4All, TBC

3.6 Elena Rodriguez, ESSP, "EDAS Library fore Android (ELFA) and DEA application"

3.7 Floor Melman, ESA, "Machine Learning Correction for Improved PVT Accuracy"

Closing remarks *Justyna Redelkiewicz, EUSPA*