



The Standards People

ETSI Research Conference 2023

Maximizing the Impact of European 6G
Research through Standardization

The Role of 6G-IA Pre-Standards Group

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HUAWEI

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6G-IA Pre-Standards WG: The Mission

Key Facts

- **Originated from:** 6G-IA
- **Open to:** 6G-IA members and Representatives of ongoing 5G-PPP/SNS-JU Projects
- **Current Chair and Co-Chair:** R. Trivisonno, F. Osimanti
- **Mandate** (from <https://6g-ia.eu/about/5g-ia-work-groups/>):
 - Identify standardization and regulatory bodies to align with (ETSI, 3GPP, IEEE etc.)
 - Evaluate existing standardization roadmaps at international level
 - Develop and Propose own roadmaps for 5G/6G, aligning at international level
 - Influencing pre-standardization on 5G/6G and related R&D
 - Propose/identify where topics should be standardized
 - Influence timing on R&D work programs (e.g. EC WPs)

6G-IA Pre-Standards WG: 2020- 2022 Activities

Key Activities 2020 - 2022



- **Tracking and Dissemination**

- **Monitor 5G-PPP / SNS-JU projects' impacts on SDOs**
- **Promote 5G-PPP / SNS-JU projects' achievements**



- **Impact Facilitation**

- **Update projects on relevant standard developments and plans**
- **Identify timing for research results transfer to standards**



- **Cooperative and promotional Initiatives towards 6G - Horizon 2030**

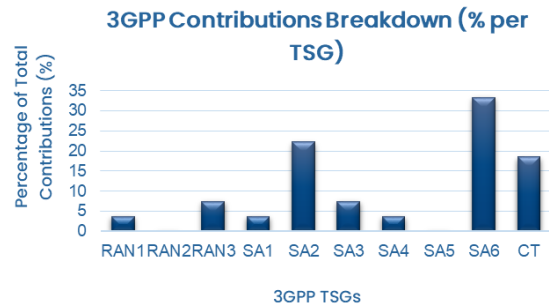
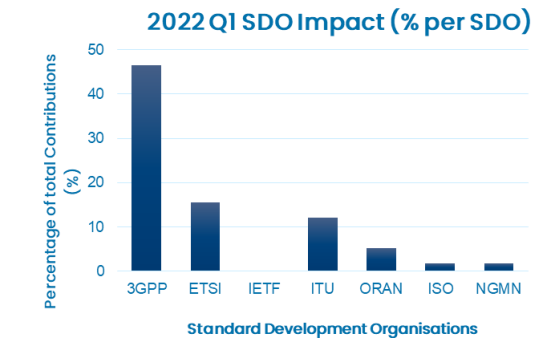
- **Synergies Telecom – Verticals, Webinar Series (3GPP MRPs)**
- **Cooperation with ETSI New Technologies and RISE**

6G-IA Pre-Standards WG: 2020- 2022 Activities

Examples of Activities

Tracking and Dissemination

- SDO Impact Collection
- Per Quarter Stats analysis



Impact Facilitation

- 3GPP Plenaries Debriefing
- 3GPP MRP Webinars



Cooperative Initiatives

- ETSI Tech Radar discussion
- EUCNC Join Special Session

5G-IA Pre-Std WG
December 23, 2021

LS Out92021-01

Title: Reply LS on ETSI Technology Radar, status and request for feedback
Response to: LS (BOA)005E2(19090032) ETSI Technology Radar, status and request for feedback

Source: 5G-IA Pre-Std WG
To: ETSI New Technologies
Cc: NetworkEurope, 5G-IA (Board), Hexa-X, GAA-X, BVDA/DARO, DG Connect (ENX-10)

Contact person: Riccardo Trivisonno
E-mail Address: Riccardo.Trivisonno@huawei.com

Attachment: ETR Feedback as of 17.12.xls

1. Overall Description:
5G-IA Pre-Std WG marks ETSI BOARD RISE and ETSI BOARD TREND for the LS on 'ETSI Technology Radar, status and request for feedback'.
After reviewing the presentation given at the Pre-Std WG virtual meeting on 24.11.21 and the material available at https://www.etsi.org/technologies/5G-IA/ETSI_Technology_Radar.pdf, 5G-IA Pre-Std WG would like to provide the following review comments:
Comment#1: The '10 Technology Trends in the ETR 2021 Edition and the 10 New Technology Trends possibly for the ETR 2022 Edition' show a good alignment with the rationale of the '5G-IA Research with Standardisation potential roadmap' activity carried out by the 5G-IA Pre-Std WG across 2021, where the following key 10 technologies with standardisation potential have been identified:

- #1 The communication
 - #1 Positioning and Scheduling
 - #1 NR-MIMO and enhanced
 - #1 AI/ML-based System Evolution
 - #1 Network and Service Security
 - #1 Extreme Automation
 - #1 Radio Technologies and Signal Processing
 - #1 Millimeter Wave systems
 - #1 Coding and Modulation
 - #1 Massive Random Access
 - #1 Metamaterial and Metasurfaces





Comment#2: A rapid consultation has been launched within the 5G-IA Pre-Std WG, asking members to provide a feedback on the material presented during virtual meeting on 24.11.21 by replying to the following questions:

- Referring to ETR slides 6 and 7:
 1. Referring to the 20 Technology Trends listed (in Blue Background), please indicate the top 2 most relevant (please rank 1, 2, and 3, with 1 the highest)
 2. Please indicate up to 3 New Technology Trends you would suggest to add to the 20 listed (Please use column 'New Technology Trends').
 3. Please indicate up to 3 Technology Trends you would suggest to remove from the 20 listed (because you consider them not relevant).



6G-IA Pre-Standards WG: why to join?

SNS-JU Projects key reasons to join and actively contribute

-  • Get timely **updates** on SDOs' (e.g. ETSI, 3GPP) **trends** and **upcoming activities**
-  • Promote your **achievements** and impacts on SDOs
-  • Leverage **synergies** with other projects sharing coherent goals
-  • Maximize the transfer of **research** results to **standards**

Maximize the value created by your project through standardization

Thank you ...

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