

Supporting 5G Standardisation for Vertical Industries

Updated Action Plan from the

5G Vertical User Workshop Series

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Four Market Representation Partners (MRPs) of the 3rd Generation Partnership Project (3GPP) have joined forces with the chairmen of the 3GPP Technical Specification Groups to help sector specialists contribute to 5G standardisation in a global context.

This support focuses on:

- ✓ Driving 5G pre-standardisation efforts within the respective MRP associations: 5GAA, 5G-ACIA, PSCE and 5G-IA.
- ✓ Maximising adoption and impacts of 5G standards for all verticals, which have limited resources available.
- ✓ Facilitating tracking and mapping of requirements from different verticals: common and specific requirements.
- ✓ Understanding the needs from new verticals and finding ways to integrate them in the 3GPP activities.

The MRPs track overall progress towards these goals through updated action plans. Welcome to the latest version of the Action Plan.

Action plan for the task force



The 2nd 5G Vertical User Workshop in July 2019 gave valuable insights into concrete actions that the Task Force can take with the support of Global5G.org to boost support to verticals. An essential point relates to the need for much greater cooperation between 3GPP and the vertical industries. The 3GPP and its MRPs also need to be vigilant in tracking items across a release and make sure that dropped items in one release get picked up in the next one. The 5G-IA Pre-Standardization WG can help in this respect as it is tracking the progress of items as part of its remit.

- Monitoring progress on 3GPP work areas for verticals through the 3GPP Work Plan and TF calls, with the support of the 5G-IA's Pre-Standardization WG.
- Creating an online collaboration platform with a view to lowering barriers for verticals. Such a platform would help solve or at least mitigate many of the issues raised during the workshop about the complexity of 3GPP processes vis-a-vis the resources available to verticals.
- Drawing and building on the workshop outcomes, with practical guides and glossaries, continuing to track vertical industry requirements and map common requirements.

The collaboration platform will be created through Global5G.org (through several releases) and from 2020 supported by FULL5G (Trust-IT) with the support of the 5G-IA's Pre-Standardization WG and Vertical TF.

- The platform will recognise the leadership of vertical associations (MRPs and others) in conveying business cases and driving standardisation in the broader context of the organisation. To this end, it will share roadmaps and strategies to help build understanding of the transition to 5G and what it entails.

Next Steps and Target Outcomes



The Task Force will support continued dialogue and engagement with verticals to track actions and impacts, defining future steps, such as:

Short-term: early Q3-2019

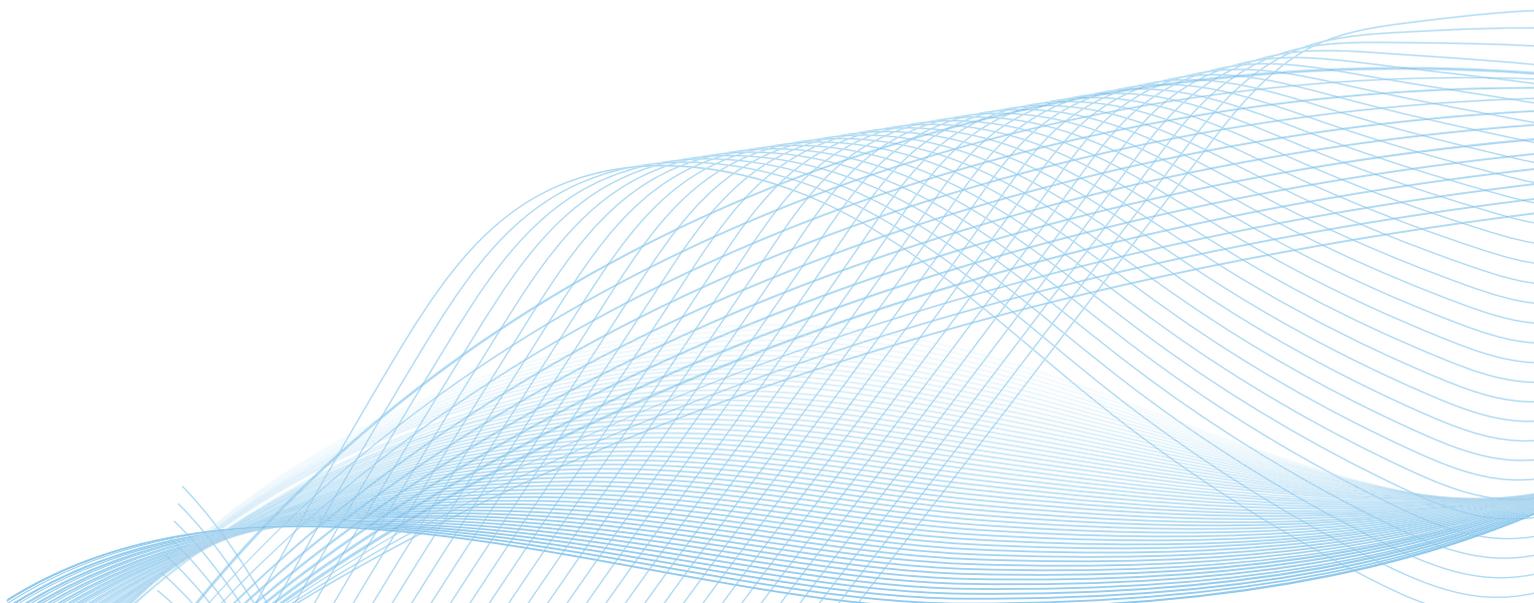
Broadcast the outcomes of the 2nd Vertical User Workshop to all major stakeholders. Monitor progress on SA work areas at Plenary #85. Define steps for Q4-2019 and Plenary #86. Support the 3GPP SA6 webinar: “Initiatives to enable new vertical applications” and its outcomes as a recommendation from the Workshop.

Mid-term: Q4-2019

Make the Collaboration Platform available online. Track progress on RAN work areas at Plenary #86. Carry out a gap analysis and start planning for Release 18. Drive interest in 3GPP also at policy and regulatory levels.

Long-term: Q1-2020

Report on impacts and actions to the PCG. Plan a third workshop bringing in global perspectives, new verticals and stakeholders. Co-host and support webinars based on the outcomes of short- and mid-term targets.



Action Point	AP leader	Status
Organise special newcomer sessions at 3GPP plenaries.	3GPP TSG Chairs	Achieved. 1 st Newcomer Orientation Session at TSG#85 (September 2019): mentoring support to help newcomers navigate their way through 3GPP, its groups and processes.
Host a webinar on the work in SA6 and its enablers for verticals.	SA6 Chair and co-chairs.	Achieved and extensively promoted. Webinar on SA6 taking place on 26.09.2019 (13:00 CEST). The TF will provide a post-event wrap-up.
Continue to support requirement tracking across vertical industries. The Task Force will also seek to support new sectors interested in coming on board by helping them capture their technical requirements.	3GPP MRP Task Force	On-going - Rollout of the Standards Tracker as a collaboration platform. The aim is to give practical advice to Industry, track technical requirements across verticals. The online tool will also support gap analysis for 3GPP Release 18 and feature updated mapping of common requirements.
Trigger actions with a view to: <ul style="list-style-type: none"> • making 3GPP more accessible for new delegates. • improving engagement with outside (standards) bodies or MRPs. • investigating existing 3GPP processes for potential improvements. 	SA Chairman with CT and RAN chairs	Achieved. The first Newcomer Orientation Session was held at SA/CT#85 in September 2019. This 1-hour session presented basic 3GPP concepts and gave the floor to delegates to enable clarifications.
	Mentoring: TSG SA and TSG CT chairs, before widening scope to RAN and more Working Groups.	Achieved. A new mentoring process has been created between mentors and new delegates (mentees). Mentors are acting as a pool with interactions at meetings, email and a new mailing list. Four mentors covering SA1-2-3-5-6 and RAN have been on-boarded.
	Liaison: 3GPP SA	On-going. SA is collecting active 3GPP Liaison persons to other standards bodies so delegates know who to contact in case communication is needed. Delegates attending other bodies are encouraged to consider becoming Liaison Persons to strengthen and streamline communication between 3GPP and that body.
	Traceability of work items.	Achieved. A revised Work Item template (SP-190952) has been approved by SA, mandating rapporteurs to clearly list Work Items of earlier stages, of which requirements are covered in the current Work Item.
Organise future workshops bringing together Industry and Standards.	3GPP MRP Task Force	On-going. Planning workshop in early 2020. The workshop will be hands-on and interactive, zooming in new opportunities for 5G standardisation and tackling barriers to entry head-on.

The support of vertical industries in 5G standardisation is driven by a small, committed team.

Stephanie Parker, Trust-IT and Global5G.org coordinator

Balasz Bertenyi, 3GPP TSG RAN Chairman

Alessandro Bedeschi, Head of Office, 5G-Infrastructure Association (3GPP MRP)

Didier Bourse, NOKIA and Chair of the 5G-IA Trials Working Group

Raffaele De Peppe, TIM and Chair of the 5G-IA Verticals Task Force

John Favaro, Trust-IT and Global5G.org deputy coordinator

Maxime Flament, CTO 5G Automotive Association (3GPP MRP)

David Lund, President of Public Safety Communications Europe (3GPP MRP)

Georg Mayer, 3GPP TSG SA Chairman

Lionel Morand, 3GPP TSG CT Chairman

Andreas Mueller, Chair of 5G-ACIA (3GPP MRP)

Adrian Scrase, ETSI CTO

Christian Toche, Huawei and ETSI

Paul Voskar, Huawei and 3GPP

Colin Willcock, Chair of the 5G-Infrastructure Association (3GPP MRP)



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