

**Title:** 5G capabilities exposure for factories of the future - revised

**Source:** 5G Alliance for Connected Industries and Automation (5G-ACIA)

**To:** 3GPP TSG SA WG1, 3GPP TSG SA WG2, 3GPP TSG SA WG3,  
3GPP TSG SA WG6

**CC:** 3GPP TSG SA, 3GPP SA WG5, 3GPP CT WG3, ETG, IEC TC 65, IEEE 802.1,  
oneM2M TP, OPC Foundation, PI (PROFIBUS & PROFINET International),  
TM Forum

**Date:** 18<sup>th</sup> March 2021

**Contacts:** Dr. Andreas Mueller, 5G-ACIA Chairman ([Andreas.Mueller21@de.bosch.com](mailto:Andreas.Mueller21@de.bosch.com))  
Dr. Afif Osseiran, 5G-ACIA Vice-Chairman ([Afif.Osseiran@ericsson.com](mailto:Afif.Osseiran@ericsson.com))  
Alexander Bentkus, 5G-ACIA Secretary ([bentkus@zvei.org](mailto:bentkus@zvei.org))

---

## 1. Overall Description

5G-ACIA published a white paper in June 2020 on the exposed 5G capabilities that are needed by factory operators to manage and maintain industrial 5G devices and 5G Non-Public Networks (NPN) in a simple and efficient manner.

That white paper has now been enhanced to include additional capabilities and some clarification to the capabilities and functions from the previous version of the white paper. In particular, device-centric requirements have been clarified and a few new ones added in accordance with 3GPP TSG SA WG1 requirements of Release 17. Concerning network-centric requirements, network monitoring have been detailed in the Annex of the white paper. Also, the Annex now lists parameters for QoS monitoring.

Since 5G-ACIA believes that these service exposure requirements are valuable to be considered in ongoing work in 3GPP, we would like to make this new white paper available to you:

- White paper title: *Exposure of 5G capabilities for connected industries and automation applications*
- Link [www.5g-acia.org/publications](http://www.5g-acia.org/publications)

- PDF copy: [attached](#) to this liaison statement

5G-ACIA would be eager to receive 3GPP's feedback on these new exposure interface requirements and related Stage-2 and Stage-3 work.

## **2. Actions**

5G-ACIA would like to respectfully request 3GPP TSG SA WG1, WG2, WG3 and WG6 to consider the identified requirements as captured in the updated whitepaper and to provide feedback to 5G-ACIA concerning of how the identified new requirements can be addressed in Rel-17 or future releases.

## **3. Date of Next 5G-ACIA Meetings**

- 21<sup>st</sup> June, 2021, Plenary Meeting online
- 27<sup>th</sup> September, 2021, Plenary Meeting online
- November, 2021, Plenary Meeting in Tokio, Japan (date and place to be confirmed)

## **Attachments**

White paper in PDF format