

# Over the Air Updates Special Interest Group



## OVER THE AIR SPECIAL INTEREST GROUP

One of the major developments within the automotive sector in the last few years is the emergence of Firmware Over-the-Air (OTA) updates. The Industrial Internet Consortium (IIC), now incorporating OpenFog – comprised of experts developing and delivering innovative solutions to the automotive sector – has established an OTA Special Interest Group (SIG) with the following goals:

- Create customer-validated requirements for the development of holistic OTA solutions for the automotive industry and related industries
- Initiate technical validation projects for these requirements
- Initiate new industry standards to help harmonize the OTA landscape
- Provide an efficient platform for OEMs, suppliers and industry organizations to jointly shape the future of OTA solutions

## BENEFITS

The IIC is very experienced in leading groups with similar goals, seeking innovative solutions to challenges and opportunities driven by the emergence of the industrial internet. Participation in the OTA SIG allows members to:

- Set the vision for the industry
- Access experts at the implementation and testbed levels of IIoT adoption
- Gain knowledge and frame strategic solutions by sharing similar challenges with peers
- Leverage IIC resources to explore innovative solutions to emerging problems

## STRUCTURE AND POLICY

The establishment of the OTA SIG is based upon the objective of collaboration with essential experts in the OTA field, which allows this SIG to open its doors to individuals who are not IIC members. Members of the OTA SIG will exercise strict adherence to anti-trust policies and pragmatic IP policies. The OTA SIG will foster progress by meeting periodically via conference calls and regularly for half-day workshops in targeted locations around the world, to ensure a global perspective within the group.

[www.iiconsortium.org](http://www.iiconsortium.org)

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## GROUP OF PEERS

Joining the IIC's OTA SIG puts members in the company of experts such as:

- Heads of OTA Development at Original Equipment Manufacturers
- Heads of OTA Solution Development at Tier 1 Suppliers to the Automotive Industry
- Heads of OTA Implementation Services of System Integrators
- Automotive Technology Solution Providers
- Industrial Internet Security Experts
- Researchers and Academicians Focused on Automotive Innovation
- Others

## POTENTIAL OUTCOMES OF THE OTA SIG

The OTA SIG is in the early stage of formation and the potential to produce tangible outcomes is great. We have initial ideas we plan to refine and we welcome new ideas as SIG members offer their opinions and expertise. Some of our initial ideas, also reflected in our goals, include:

- Jointly shape the future of OTA solutions
- Define customer-validated requirements
- Define, propose and drive an OTA testbed under the IIC Testbed Program
- Influence the enhancement of, and propose new industry standards
- Host technology challenge
- Publish industry best practices

## RESOURCES

For general information about the IIC: [www.iiconsortium.org/about-us](http://www.iiconsortium.org/about-us)

For IIC Testbed Program overview: [www.iiconsortium.org/test-beds](http://www.iiconsortium.org/test-beds)

New industry resource, IIC Resource Hub: [hub.iiconsortium.org](http://hub.iiconsortium.org)

Contact: [ota-sig-chair@engage.iiconsortium.org](mailto:ota-sig-chair@engage.iiconsortium.org)



The Industrial Internet Consortium, now incorporating OpenFog, is the world's leading organization transforming business and society by accelerating the Industrial Internet of Things (IIoT). The IIC delivers a trustworthy IIoT in which the world's systems and devices are securely connected and controlled to deliver transformational outcomes.

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