



1200 G Street, NW  
Suite 500  
Washington, DC 20005

P: +1 202-628-6380  
W: [www.atis.org](http://www.atis.org)

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January 10, 2019

To: Toon Norp (SA1), Chair; Alain Sultan (SA1), Secretary

Dear Toon Norp, Alain Sultan,

The Alliance for Telecommunications Industry Solutions (ATIS) launched an IoT Categorization Focus Group in late 2017 to address how the burgeoning growth in the IoT ecosystem is driving a wide range of new uses and requirements on the network infrastructure. Several recent industry initiatives have examined the main features of IoT applications to better understand the requirements posed by each. The objective of ATIS' work is to explore the multidimensional characteristics of IoT across devices, applications, subscription type and technology as well as regulatory and market drivers. This work is instrumental in identifying design features relevant to the standardization of 5G.

By way of background, ATIS is an ANSI-accredited technology and solutions development organization for the information and communications technologies (ICT) sector that advances pressing business priorities. ATIS represents the ICT sector in the U.S. and globally through its roles as the North American Organizational Partner for the 3rd Generation Partnership Project (3GPP), a founding Partner of the oneM2M global initiative, and member of the Inter-American Telecommunication Commission (CITEL), and as a contributor to the International Telecommunication Union (ITU). ATIS members include wireline and wireless service providers, equipment manufacturers, software developers, consumer electronics companies, digital rights management companies, and internet service providers.

Attached is the IoT characteristics matrix that has been developed thus far. These characteristics will be used in subsequent activities to categorize IoT applications to identify network requirements (e.g., network slices). This initiative will aid service providers' efforts to build networks that support a full range of IoT devices and services.

We kindly ask that your organization review this characteristics matrix and provide us with feedback at your earliest convenience, but no later than February 28, 2019. ATIS appreciates your input and we look forward to the continued exchange of information as we progress this work.

If you have any questions, please do not hesitate to contact us.

Sincerely,

Brian Daly (AT&T), ATIS TOPS Council IoT-CAT Focus Group Co-Leader  
Farrohk Khatibi (Qualcomm), ATIS TOPS Council IoT-CAT Focus Group Co-Leader  
Carroll Gray-Preston (ATIS), ATIS TOPS Council IoT-CAT Focus Group Technical Lead