Dear Mr. Puneet Jain (SA2 Chairman) and Mr. Maurice Pope (SA2 secretary),

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.

Attached please find a whitepaper entitled "IoT Categorization: Exploring the Need for Standardizing Additional Network Slices." The purpose of this whitepaper is to aid service providers' efforts to build networks that support a full range of IoT devices and services.

We believe that in order to achieve these efforts a new Slice Service Type (SST) needs to be defined by SA2 in TS 23.501 in order to meet the described IoT characteristics matrix.

We kindly ask that 3GPP SA2 review this whitepaper and provide us with feedback at your earliest convenience, but no later than February 7, 2020. Further action (e.g., CRs) will be taken by Individual Member companies in SA2#137.

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
Farrokh Khatibi (Qualcomm), ATIS TOPS Council IoT-CAT Focus Group Co-Leader
Carroll Gray-Preston (ATIS), ATIS TOPS Council IoT-CAT Focus Group Technical Lead