Request for Public Consultation on the Roadmap for 5.9 GHz for Vehicle to Everything Communications (V2X) in the Kingdom of Saudi Arabia

October 2022
1. **Introduction:**

In March 2021, CITC published its “Spectrum Outlook for Commercial Innovative Use 2021-2023”. The spectrum outlook implements our National Spectrum Strategy 2025 and reaffirms our vision to ‘unlock the potential of radiocommunications in Saudi Arabia for a smarter and safer future’.

Section 3.9 of the spectrum outlook focused on V2X. The spectrum outlook identified that there has been interest in V2X in the 5.9 GHz band for many years but there has been limited deployment to date. This has in part been caused by a lack of agreement over a common standard with the Wi-Fi based DSRC/ITS-G5 competing with the 5G-based C-V2X. In the spectrum outlook we committed to consult on this in 2022 with the aim of making spectrum available such that it does not become a constraining factor on the availability of V2X services in KSA. The purpose of this Call for Input is to action our commitment to consult on these issues.

2. **Scope and Objective of Document:**

The purpose of this document is to gather stakeholder feedback on the implementation of Vehicle Communications, also known as Vehicle-2-Everything (V2X) in the Kingdom of Saudi Arabia (KSA). Vehicles are becoming increasingly connected, this connectivity ranges from traffic and weather information to fully autonomous vehicles.

V2X is the term used to describe the range of vehicle communication systems. V2X enables information to be exchanged between vehicles or from/to vehicles from road-side infrastructure and pedestrians.

As part of CITC’s support for the deployment of connected vehicles in KSA, CITC is considering enabling access to radio spectrum for V2X
applications taking into considerations the feedback from all stakeholders.

3. Participation:

Participants wishing to submit their views on the document must submit them to the Communication and Information Technology Commission no later than October 31, 2022. Opinions and comments can be sent using one or all of the following methods:


3.3 Through email to: (freq.regulations@ctic.gov.sa)

3.4 Through written delivery (paper and electronic) at the Headquarters of the Communications and Information Technology Commission or by mail to:

Communications and Information Technology Commission
Al Nakheel District
Prince Turki bin Abdul Aziz I Street intersection with Imam Saud bin Abdul Aziz Road
75606 Riyadh 11588
Saudi Arabia

The Telecommunications and Information Technology Commission calls on all relevant parties and interested people inside and outside the Kingdom from all sectors to provide comments, observations and suggestions on this document. The Commission encourages provision of
comments supported by the required details, justifications, analytical studies, benchmarks and other information, if any, in accordance with the format shown below, given that what is provided in this regard is not binding on the Commission. The Commission also reserves its absolute right to publish or not publish all comments on the public consultation request if it deems it appropriate.

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