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**PRELIMINARY VIEWS ON WRC-19
AGENDA ITEM 9.1, ISSUE 9.1.8
(Item on the Agenda: 3.1 (SGT-1))
(Document submitted by CITELE Member States)**

SGT-1

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Agenda item 9.1, issue 9.1.8: Studies on the technical and operational aspects of radio networks and systems, as well as spectrum needed, including possible harmonized use of spectrum to support the implementation of narrowband and broadband machine-type communication infrastructures, in order to develop Recommendations, Reports and/or Handbooks, as appropriate, and to take appropriate actions within the ITU Radiocommunication Sector (ITU-R) scope of work.

BACKGROUND

In the annex of Resolution **958 (WRC-15)**, focused on the urgent studies required in preparation for the WRC-19, there is the issue 9.1.8, related to the needs of spectrum by machine type communications (MTC), as follows:

3) Studies on the technical and operational aspects of radio networks and systems, as well as spectrum needed, including possible harmonized use of spectrum to support the implementation of narrowband and broadband machine-type communication infrastructures, in order to develop Recommendations, Reports and/or Handbooks, as appropriate, and to take appropriate actions within the ITU Radiocommunication Sector (ITU-R) scope of work.

Regarding ITU-R labor, at its 24th meeting, the Working Group 5D (WG5D) decided to create the “USAGE” Sub-Working Group to undertake, among other duties, work on issue 9.1.8 of Agenda Item 9.1 of the World Radiocommunication Conference 2019 (WRC-19).

During the work of WG5D, a preliminary draft was developed in this regard for the Report of the Preparatory Meeting for WRC-19. It did not progress as much as expected, because discussions focused on the responsibility of each Working Group and Sub-Working Group for the issue within WG5D.

Due to the above, a proposal signed by several Administrations, including Mexico, was introduced within the framework of the 27th Meeting of WG5D, one of whose purposes was to organize the work in such a way that the “USAGE” Sub-Working Group could continue with the efforts needed to complete the Proposed Draft in a timely manner for the Report of the Preparatory Meeting for WRC-19.

It is important to mention that it is vitally important to continue the studies on Machine-Type Communications including Internet of Things (IoT) for both narrowband and broadband, as use of this type of device is expected to grow exponentially within a short time.

PRELIMINARY VIEWS

Brazil and Mexico

CITEL administrations have analyzed the current and future spectrum use for MTC and IoT, also, are taking in to account the importance to know the development and eventual findings of the studies related to issue 9.1.8 of Agenda Item 9.1 of the WRC-19.

Accordingly, MTC and IoT applications and devices can be used effectively with all the benefits of the existent mobile broadband bands and the new frequency bands being studied for IMT. This approach avoids the necessity of stablishing dedicated spectrum exclusively for MTC and IoT applications on identified IMT bands.