

1. Television and Radio Broadcasting- G/TBT/N/CAN/695 dated 8-May-2023

Notifying Member	Canada
Type of Notification	Regular Notification
Economic relevance	High
Technical Relevance	Technical-New

Proposal in brief

- a. The Ministry of Science, Innovation and Industry has proposed amendments to the Radio Standard Specification (RSS) for the certification of flexible use broadband equipment (base station equipment, fixed service equipment, and subscriber equipment) operating in the frequency band 3900-3980 MHz. It establishes requirements and regulations for the equipment used in fixed and mobile services in this frequency range. Key amendments include -
 - a. Certification and Licensing:
 - The equipment falling under this standard needs to be certified as Category I equipment. Certification can be obtained through a technical acceptance certificate issued by the Certification and Engineering Bureau (CEB) of Innovation, Science and Economic Development Canada (ISED), or a certificate issued by a recognized certification body.
 - Additionally, the equipment is subject to licensing requirements as per sub-section 4(1) of the Radiocommunication Act, 1985.
 - b. Compliance and References:
 - The equipment being certified should comply with the general requirements set out in RSS-Gen, which defines the general compliance requirements for radio apparatus. The proposal also refers to other related documents and standards.
 - c. Technical requirements for transmitters:
 - The technical requirements for radio transmitters, including measurement methods, modulation type (digital), frequency stability, and transmitter output power limits. It sets maximum power spectral density limits per antenna for different equipment types.
 - d. Unwanted Emissions:
 - The proposal outlines limits for unwanted emissions outside the frequency block group, specifying measurements and reporting requirements. It also sets additional unwanted emission limits for specific frequency ranges.
 - e. Labelling Requirements:
 - In addition to general labelling requirements, indoor base station equipment must be labelled with the text "for indoor use only."

Analysis:

- The present regulations amend the previously notified RSS and sets out the requirements for the certification of flexible use broadband equipment used in fixed and/or mobile services operating in the frequency band 3900-3980 MHz. Further, compliance for most equipment is under RSS-Gen which are the general rules previously adhered to, unless specified otherwise. Thus, there will not be any significant impact of the amended regulations on the Indian trade of broadband equipment under this category.
- Certain specifications for radio transmitters have been provided which need to be looked upon. However, their impact on the general trade in the category will not be significant as the rules are made with the aim of consultation. Lastly, an additional labelling requirement for indoor

base stations to be labelled as “for indoor use only” is a safety and precautionary concern and is therefore justified.