

1. Telecommunication Equipment- G/TBT/N/THA/698 dated 05 June 2023

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

Proposal in brief

- a) Thailand has issued a draft of technical standard regulation on “**user engagement** in cellular land mobile services using Global System for Mobile Communication-Railway (GSM-R) technology.”
- b) The draft technical standard specifies the minimum technical characteristics of user equipment in cellular land mobile service using GSM-R technology.
- c) Requirements under the said standard include but are not limited to the following:
 - a. Radio frequency requirements – technical requirements of user equipment shall comply with the ETSI EN 301 511 V12.5.1 or newer version: Global System for Mobile communications (GSM); Mobile Stations (MS) equipment; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment (RED Directive).¹
 - b. Electrical safety requirements – electrical safety requirements shall comply with the following standards:
 - i. 3.3.1 IEC 60950-1: Information Technology Equipment – Safety – Part 1: General Requirements
 - ii. 3.3.2 TIS 1561 – 2556: or current version Information Technology Equipment -Safety: General Requirements
 - iii. 3.3.3 IEC 62368–1: Audio/Video, information and Communication technology equipment - Part 1: Safety Requirements
 - iv. 3.3.4 TIS 62368 Part 1-2563: or current version Audio/Video, information and Communication technology equipment - Part 1: Safety Requirements
 - c. Radiation exposure requirements – The user of equipment shall comply with the safety standard for the use of radiocommunication equipment on human health safety measures.
 - d. The user shall present its Conformity with the standards mentioned in the technical standards.

Analysis

- Thailand is adopting International standards for technical requirements of user equipment in cellular land mobile service using GSM-R technology.
 - Article 3.2 of the R&TTE Directive provides that the Radio equipment shall be so constructed that it both effectively uses and supports the efficient use of radio spectrum to avoid harmful interference.
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