

Trends of International Standardization of Electromagnetic Compatibility in Railway Systems

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Recently, various electrical equipments and radio communications/broadcastings are being used everywhere and anywhere. Therefore, development of techniques for prevention of electromagnetic interference to electrical equipments and radio communications / broadcastings are very important issues. Railway systems are no exception, because they use so many various electric systems and equipments. So, both the Electromagnetic Compatibility (EMC) of whole railway systems and the EMC of electric systems and/or equipments used in railway systems have become important key technologies. The International Standard series IEC 62236 Ed.1 for EMC in railway systems were published by International Electrotechnical Commission (IEC) in 2003. This paper outlines the major EMC phenomena in railway systems and contents of IEC 62236 series, and introduces the trends of international standardization of the measuring method and limits for EMC in railway systems in IEC.