

**Measurement and Prediction Method Related to the Low-frequency Magnetic Field
on Railway Vehicles**

Yoshihito KATO Hitoshi HASEGAWA

In Japan, regulations on low-frequency magnetic fields began taking effect. Initial regulations in 2011 have applied to electric facilities in general, but the scope of the regulatory control was expanded in 2012 so as to cover railway electric facilities on the ground. Although railway vehicles are not included in the scope of the regulation at the moment in Japan, we think that it is necessary to assess the magnetic fields in the space on railway vehicles. Thus, we are now beginning to study the measurement and prediction method related to the low-frequency magnetic field on railway vehicles.

キーワード：低周波磁界，電磁界解析，磁気シールド，国際規格，国内規格