

Development of new EEW seismographs for Shinkansen based on international standards (IEC-61000, 62236)

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1. Introduction

Railway Technical Research Institute (RTRI) has been studied seismic observation method to detection P-wave and developed EEW system for Shinkansen. Seismograph in railway must observe seismic wave and judge train control whether electric power and communication lines in the state of disconnect. Therefore, Seismograph in railway essential that a single observation point processing capabilities.

Every seismograph needs to have high observation accuracy and reliability. Two years ago, we made a draft of EMC test menu and evaluated seismograph for Shinkansen using a draft EMC test menu (Sato: Japan Geoscience Union meeting 2010). We developed new EEW seismographs for Shinkansen based on IEC-61000, 62236.

Keywords: Seismograph, Shinkansen, IEC, EMC

