

**Performance Evaluation System of Communication Network  
for Train Control System using Radio Communication**

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In order to support designing a suitable communication network on a train control system using radio communication, we have developed a communication network simulator for evaluating a transmission quality of communication network in a railway line environment, with due consideration on a quality of radio data transmission. We outline the communication network simulator, and then introduce some examples of evaluation of a basic communication network has been constructed for the train control system.