

Update Method of On-board Database for ATP system with Radio Communication

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Recently, ATP (Automatic Train Protection) systems under which the database installed in the on-board equipment is used have been developed and operated. Updating the on-board database spends much time and labor because the database is updated one by one using a recording medium such as a CF (Compact Flash) card in the present conditions. Thus, the authors developed an update method of the on-board database with radio communication for the purpose of labor saving. The radio communication is applying 5.6 GHz band radio, for which the license is not required. In this paper, the authors report on the specifications of this system and the functional field test results.