

Application of General-purpose Communication Technologies to Train Control System in Secondary Lines

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Electronic blocking system that is a train control system used in secondary lines with single track and one blocking between two stations has been deteriorated, so that it is urgent to update the system. To reduce the cost for updating, a train control system that aims to exhibit the same functions as the conventional system and to perform communications between the ground and the car only in a limited area around the station has been suggested. In order to apply general-purpose communication technologies to the suggested system, the authors examined various items such as required specifications, communication method and network configuration. This paper describes the results of these examinations and the future issues.