

### **Verification Running Test of Train Operation Power Demand Control**

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Train operation power demand control based on decentralized control is proposed in order to reduce the power cost of train operation. To verify the train operation power demand control, we planned a verification running test using two trains. This paper shows the planning process and result of the verification running test. The verification running test was planned in such a way that it is suited for the examination of train operation power demand control from a point of view of train timetable, train driving operation, measurement of power demand at a substation, communication between trains and a substation. The verification running test has confirmed the convergence and stability of the train operation power demand control.