

THE EFFECT OF SPEED SUPERVISION ON TRAIN RUNNING PERFORMANCE - PART 2: PLAIN LINE

The application of speed supervision to a signalling system by means of an automatic train protection (ATP) system with intermittent communication affects the performance of trains. A theoretical investigation has been undertaken to quantify the effect of speed supervision on the train running performance and headway when trains are not running under clear signals.

Depending on the system used, the effect on the performance of an individual train varies from nothing to a delay of up to two minutes when a signal clears late. The headway between following trains may be increased by more than 60%.