

HIGH SPEED CURRENT COLLECTION TESTS WITH TWO PANTOGRAPHS, JUNE 1982

This reports documents tests carried out on two types of train formation: 2+9 Electric HST (High Speed Train) or 2+10 APT (Advanced Passenger Train). The purpose of the tests was to assess whether trains of this formation would have adequate current collection performance at speeds up to 125 mile/h; and also to highlight any features of the overhead equipment which could be unsatisfactory in service operation of trains of this type.

The report provides a set of general conclusions as well as recommendations for further work. The conclusions cover current collection, pantograph spacing and static force. They also note the limitations of the tests in being able to accurately predict performance up to the highest likely operating speed due to the limited speed range of the tests undertaken.