

## RAILWAY SAFETY PRELIMINARY QUANTITATIVE EVALUATION OF THE PERFORMANCE OF BRAWS

Part of the support work within the Train Control Group is devoted to gaining a better understanding, in quantitative terms, of current performance of the railway system. This study of the performance of BRAWS as an aid to safety, indicates that:

- The difference in accident rates (accidents due to Signals Passed at Danger caused by human error per % of train miles) in colour light signalling territory fully fitted with BRAWS is not significantly different from that in colour light territory this is unfitted (i.e. the Southern Region), namely: 0.34 and 0.50 accidents / 1% Train Miles.
- A major limitation of BRAWS is found in the difficulties of fitting the system in complex track layouts.

Developments in train control technology, which provides superior advisory and supervisory functions, should be trailed in a major pilot scheme to determine their effectiveness as driving aids.