

## PROPOSALS FOR LOW COST SIGNALLING SYSTEMS

This report considers methods to provide simple and low cost signalling systems particularly for lightweight vehicles and makes three proposals. One train-based and two track-based low cost signalling systems are considered. The options are based upon known technology.

The proposed systems are:

- Signalling via radio with transponder block section identity
- Signalling with electronic tail lamps
- Signalling using transponders aboard the train

The report concludes that if the signalling system for lightweight vehicles should require an indication being given to the driver which is identical to that given from a conventional signalling system then the second and third proposals will have to be considered. If, however, it is the intention to provide the simplest and cheapest system and it is possible to ignore the existing signalling, either because its life is expired or it is unsuitable for the service required, then a radio-based system should be considered.