

ABSTRACT

Computerised on-board system for controlling a train

The invention relates to a computerised on-board system for controlling a train or rail vehicle, of the type comprising:

- a train control and monitoring system (TCMS) comprising:
- a main processor unit (MPU) (16) for controlling the train;
- electronic control, command and monitoring equipment (22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42) which is capable of providing control data for the train;
- at least one display unit (18) which is capable of making available the control data of the train provided by the main processor unit (MPU) (16) and/or by the electronic equipment (22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42); and
- a main data transfer network (14).

The electronic equipment (22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42) comprises:

- electronic equipment for automatic train control (ATC) (30),
or
- video surveillance equipment (CCTV) (36),
- and the display unit (18) is capable of processing the data and displaying data produced by one of the additional items of equipment (30, 36).

Figure 1.