

**Proposal from the French expert concerning
the standardization study of an events data recorder (EDR)**

During its 132nd session, GRSG was mandated by WP.29 to work on the international standardisation of an events data recorder (EDR), so that the equipment of EDR on new cars might become mandatory.

The suggested purpose is to record, at low cost, the main driving parameters during a few seconds before and after a crash when airbags have been operated, in order to analyse the causes and circumstances of this crash.

It is therefore proposed to collect and record relevant data from the existing calculators on M1 category vehicles. The precise list of recorded parameters could for example be as follows :

- vehicle speed ;
- driver and passenger safety belt data, if available ;
- lighting controls, including the following items :
 - position lamps ;
 - headlights ;
 - headlamp driving beams ;
 - direction indicators ;
- brake contact ;
- V.I.N.

Data recording duration and frequency must also be defined. Data recording duration could for example be 10 s before the crash and 5 s after the crash, and the frequency could be 10 Hz.

The interface for data recollection must be precisely defined, especially data structure and plug standards. This standardisation requires ISO co-operation.

The French expert proposes to develop a new Regulation, in co-operation with all interested experts and ISO, in order to transmit a proposal for consideration at a future GRSG session.