AFS ad-hoc group – fifth meeting
UK Proposal for amendments to Regulation No. 48

Failure tell-tale.
Currently there is an optional tell-tale for dipped beam. There is a flashing tell-tale for bend lighting failure. These can be combined in one tell tale which turns on when the dipped beam is switched on and flashes when the bend lighting has failed.

However the new situation for AFS is complicated. Several possible warning lights can be envisaged:
1) dipped beam, neutral state turned on.
2) dipped beam turned on with full AFS functionality.
3) failure in the AFS system
4) traffic change mode activated

It must be clear to the driver (and the PTI inspector) when the AFS system has failed, so he knows to go to the workshop and make repairs.

Should the driver be informed whether the AFS is in neutral state or "normal" state?

For information, a definition of "Tell-tale" is defined in the Draft Regulation on Location and Identification of hand controls, tell tales and indicators (TRANS/WP.29/2002/67):
2.5 "Tell-tale" means an optical signal that, when alight, indicates the actuation of a device, a correct or defective functioning or condition of a failure to function.

Proposal

6.20.8 Tell-tale

6.20.8.1 The provisions of 6.1.8 apply to an AFS which provides a main beam headlamp.

6.20.8.2 A tell-tale for the dipped beam is optional. This tell-tale shall distinguish between the neutral state and full AFS operation.
[This could comprise the symbol "AFS" inside the ISO 2575 symbol for dipped beam]

6.20.8.3. A failure tell-tale for AFS is mandatory. It shall be non-flashing. It shall be illuminated whenever a failure is detected in the sensors on the vehicle or when a failure signal is received in accordance with 5.9.1 of Regulation No. [XXX].

6.20.8.3.1 The AFS failure tell-tale shall light up when the electrical system of the vehicle is energised. The AFS system shall verify that none of the specified failures are present before extinguishing the signal.

6.20.8.3.2 Paragraph 6.20.8.3.1 shall not apply when the AFS failure tell tale is displayed in an area in which two or more information functions (e.g. symbol) may be displayed but not simultaneously.

6.20.8.4 A tell-tale to indicate that the driver has set the system into a state according to paragraph 5.10 of Regulation No. [XXX] is optional.