

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 49 - Rev.4

Note: The text reproduced below was prepared by EU experts in view of harmonising the interpretation of the certification authorities as regards the selection of malfunctions to be tested during the OBD testing process, and of including as it is proposed by GTR#5 the conversion efficiency of the SCR systems within the list of items to be monitored.

PROPOSAL

1. Annex 9B section 6.3 amend to read:

"The manufacturer shall submit to the Approval Authority a complete documentation package justifying the compliance of the OBD system as regards its monitoring capability, which may include:

(a) algorithms and decision charts

(b) tests and/or simulation results

(c) reference to previously approved monitoring systems, etc.

In the following paragraphs the requirements for demonstrating the OBD performance are listed, including requirements for testing. The number of tests shall be four times the number of engine families considered within the emission OBD family, but shall not be less than 8.

The monitors selected shall reflect the different types of monitors mentioned in section 4.2 (i.e. emission threshold monitoring, performance monitoring, total functional failure monitoring, or component monitoring) in a well balanced manner. The monitors selected shall also reflect the different items listed in appendix 3 in a well balanced manner."

2. Annex 9B appendix 3, item 3, add paragraph (d) to read:

"SELECTIVE CATALYTIC REDUCTION (SCR) MONITORING

(d) SCR catalyst conversion efficiency: the catalyst's SCR ability to convert NOx - emission threshold monitoring."
