

Proposal for amendments to the 07 series of amendments to UN Regulation No. 83 (Emissions of M1 and N1 vehicles)

I. Proposal

Annex 11, paragraph 3.8.1, amend to read:

"3.8.1. The OBD system may erase a fault code and the distance travelled and freeze-frame information if the same fault is not re-registered in at least ~~40 engine warm-up cycles or forty driving cycles with vehicle operation in which the criteria specified in sections 7.5.1.(a)–(c) of Annex 11, Appendix 1 are met:~~

- **40 engine warmup cycles; or**
- **40 driving cycles with vehicle operation in which the criteria specified in paragraphs 7.5.1. (a)–(c) of Annex 11, Appendix 1, are met; or**
- **40 driving cycles with vehicle operation in which all the following criteria are satisfied:**
 - (a) **Cumulative time since engine start is greater than or equal to 600 seconds;**
 - (b) **Cumulative vehicle operation at or above 40 km/h occurs for greater than or equal to 300 seconds;**
 - (c) **Continuous vehicle operation at idle (i.e. accelerator pedal released by driver and vehicle speed less than or equal to 1.6 km/h) for greater than or equal to 30 seconds."**

II. Justification

1. The current definitions (like paragraphs 7.5.1.(a)–(c) of Annex 11, Appendix 1) to erase fault codes in UN Regulation No. 83 would not (or not sufficiently) allow fault code erasing in cold regions (< -7°C) and high altitude (> 2440m). Except for these two criteria the conditions to erase a fault code are identical.

2. Furthermore, a harmonisation with the definitions used in other legislations (China and US) will be achieved.
