

**COMMENTS**  
**on the document GRPE-63-05-Rev. 1**  
(transmitted by the expert from Poland)

I. An amendment to R. 83 is required for bi-fuel gas vehicles with direct injection engines, however not the amendment proposed in the document. In my view the provision in paragraph 3.2.5 of Annex 12:

“During the type I test the vehicle shall only use petrol for a maximum of 60 seconds when operating in gas mode.”

should be simply deleted. Requirements should be performance-oriented, but the above one can not be regarded as performance-oriented. It is a problem of the vehicle manufacturer how to optimize the engine. If the manufacturer believes that a period longer than 60 s is optimum, he should be permitted to set it. I realize that such an amendment does not seem to be accepted that is why I think that the proposed requirements are a good compromise for OEM vehicles.

II. Remarks to the measurement method laid down in Appendix 1 and 2 to Annex 12

See “II. Remarks to the measurement method laid down in Annex 6” in my “COMMENTS on the document GRPE-63-06-Rev. 1”