Informal document No. **GRPE-48-13** (48th GRPE, 1 - 4 June 2004, agenda item 5.3.)

## Proposal for a draft amendment to the 05 series of amendments to Regulation No. 83

(Emissions of M1 and N1 categories of vehicles)

## Transmitted by the expert from Germany

Insert new paragraph 2.21., to read:

"2.21. "Technical gear shift instrument" means an information device or display, clearly perceptible (i.e. visible or acoustic) to the driver, which indicates proposed gear shifts in case of special gear shifting strategy according to the manufacturer's instructions."

Annex 4, (Type I Test)

Insert new paragraph 2.3.4., to read:

"2.3.4. For vehicles with a special gear shifting strategy (i.e. to the principles of fuel efficient driving) the gear shifting points prescribed in appendix 1 of annex 4 to this Regulation are not applied. For these vehicles the driving cycle specified in paragraph 2.3.3. of this annex in force at the time of approval of the vehicle shall be used.
Concerning gear shifting points, these vehicles shall be driven according to the manufacturer' s instructions, as incorporated in the drivers' handbook of production vehicles and indicated by a technical gear shift instrument (for drivers information). "