PROPOSAL OF MANDATE FOR AN AD HOC WORKING GROUP
ON HYBRID VEHICLES (HEV’S)

Transmitted by the expert from France

1. General definition of hybrid vehicles (HEV’s)
   - Scope limited in a first step to M1 and N1 vehicles

2. Identification and definitions of categories of hybrid vehicles
   - Scope limited in a first step to vehicles fitted with electrical / thermal engines

3. Identification of the necessary amendments to existing ECE regulations, and framework (GR’s)

4. Measurement of fuel consumption, electric energy consumption and the questions concerning 
   CO₂ emissions.

5. Overview of the difficulties in measuring HEV’s, for example :
   - Driver selectable modes
   - Distinction between charge-depleting and charge-sustaining HEV’s
   - Regenerative braking on the roller bench
   - Four wheel drive vehicles
   - Pre-conditioning the battery
   - Effects regarding the durability of the battery, (energy losses …)

6. Drafting of the Regulations.

7. Timetable
   - 1st intermediate report on January 2002 : presentation to GRPE for agreement on definitions, 
     categories of HEV’s and priorities for ECE Regulations amendments.
   - 2nd intermediate report on January 2003 : presentation to GRPE of the proposals of the ECE 
     Regulations amendments
   - final report to GRPE on January 2004