

## **Proposal for an Amendment to Regulation No. 96-01**

Submitted by the Italian Delegation

- Regulation No. 96-01 contains the following definition of “Net Power” stipulated in paragraph 2.8:

**“Net power” means the power in "ECE kW" obtained on the test bench at the end of the crankshaft, or its equivalent, measured in accordance with the ECE method of measuring the power of internal combustion engines for road vehicles 1/ except that the power of the engine cooling fan is excluded and the test conditions and reference fuel specified in this Regulation are adhered to;**

1/ **As described in ECE Regulation No. 85.”**

- The Italian Delegation believes that this definition after the decision made by GRPE on the Proposal for a draft Regulation on: “UNIFORM PROVISIONS CONCERNING THE APPROVAL OF INTERNAL COMBUSTION ENGINES TO BE INSTALLED IN AGRICULTURAL AND FORESTRY TRACTORS AND IN NON-ROAD MOBILE MACHINERY WITH REGARD TO THE MEASUREMENT OF THE NET POWER, NET TORQUE AND SPECIFIC FUEL CONSUMPTION.”

should be adjourned as follows:

**“Net power” means the power in "ECE kW" obtained on the test bench at the end of the crankshaft, or its equivalent, measured in accordance with the ECE method described in Regulation No. XXX.”**

and that **this amendment would not need transitional provisions** even though it will enter into force after the implementation of Regulation No. 96-01.

- The Italian position is justified on the basis of the following issues:
  - 1) The new Regulation No. XXX improves the situation offered by the old definition, based on Regulation No. 85, as it defines test conditions, installed accessories and test fuel coherent with the general requirements of exhaust emission legislation in general, Regulation No. 96-01 in particular. This update reflects the gradual differentiation between vehicle engines, as considered by Regulation No. 85, and the different situation of engines intended to be installed on NRMM. In particular the philosophy defined initially by Regulation No. 96 and further implemented by Regulation No. XXX reflects the fact that vehicle engines are mostly designed and type approved for a single and well defined use, while the producer of NRMM engines normally does not even know the exact type of machine where his engine is going to be installed and the engine power definition must reflect this situation.
  - 2) The net power value measured according to the ECE Regulation No. 85 as adapted by Regulation No. 96 does not substantially differ from the value measured according to Regulation No. XXX.
  - 3) On the technical update aspect the ECE Regulation No. XXX follows the most recent developments of the European legislation on exhaust emissions, thus integrating technical progress that is not present in Regulation No. 85.
  - 4) As more legislation (noise emissions, safety, road circulation taxes, insurance etc.) is developed on NRMM, where the engine power is a critical factor with various juridical and commercial implications, ECE Regulation No. XXX is a harmonised method for all this legislation, in line with the exhaust emission one, and applicable to all engine technologies.