

# **India Proposal for**

## **EPPR Regulation direction**

**(Agenda item 9a and 9b of Doc. EPPR -02)**

# Types I, II and VII tests

- It is observed that for the types I, II and VII tests, there would be considerable difference between some of the vehicle categories.
- **Proposal:**
- Proposed to cover the above requirements in 3 different documents:
  1. Two wheelers (L<sub>1</sub>, L<sub>3</sub> & L<sub>4</sub> / S<sub>1</sub>, S<sub>3</sub> & S<sub>4</sub>)
  2. Tricycles(L<sub>2</sub> & L<sub>5</sub>/ S<sub>2</sub>& S<sub>5</sub>)
  3. Quadricycles (L<sub>6</sub> & L<sub>7</sub>)
- This would facilitate Contracting Parties to adopt the regulation for categories of vehicle of interest to them.

# Types V and VIII Tests

- For type V and VIII tests, It is observed that
  - In addition to the differences between vehicle categories (as per earlier slide), the requirements depend on specs of the commercial fuel available country wise / region wise

## ➤ **Proposal:**

Hence, proposed 3 sets of documents as per vehicle category for 2W, tricycles and quadricycles.

# Types III, Type IV and Other Tests

- It is observed that for the following tests, the procedure and requirements will not differ much from vehicle category to category;

- Type III & IV tests
- Maximum Speed
- Propulsion power
- Peak power

## ➤ **Proposal:**

- Hence, One document for each test would be required.

# GTR or ECE R

- **India prefers that:**
- Wherever possible priority is given to prepare GTR first and subsequent transposition to ECE for categories covered both in SR 1 and RE3.
- However, in the case of quadricycles:
  - They are defined (L6 & L7) in RE3.
  - They are not yet included in SR1
  - Hence, preparation of ECE R can be done first
  - work on /transposition to a GTR can be done only after SR1 is amended to include definition of these categories

# Proposal from India (1/2)

Type of Test		L1,L3&L4 (S1,S3, S4) 2-Wheelers	L2, L5 (S2, S5) Tri-Cycle	L6,L7 Quadricycle
Type I, II & VII	First Make	Change GTR 2	New GTR- $\alpha$	New ECE R-B
	Then transpose to	New ECE R- A	New ECE R- C	New GTR- $\beta$
Type V & VIII	First make	New GTR- $\gamma$	New GTR- $\delta$	New ECE R-F
	Then transpose to	New ECE R- D	New ECE R-E	New GTR- $\epsilon$
Type VI	First make	New GTR- $\eta$	New GTR- $\theta$	New ECE R-G
	Then transpose to	New ECE R- H	New ECE R-J	New GTR- $\lambda$

# Proposal from India (2/2)

EPPR-02-07e

TEST	STEP	All applicable categories (1)
Type III & IV	First Make	New GTR- $\mu$
	Then transpose to	New ECE R-K
Maximum speed	First Make	New GTR- $\xi$ (2)
	Then transpose to	New ECE R-L
Propulsion power	First Make	New GTR- $\pi$
	Then transpose to	New ECE R-M
Peak power and 30 minutes power (3)	First Make	New GTR- $\rho$
	Then transpose to	New ECE R-N

**(1): In the GTR for these tests, scope may not cover quads, but L6 and L7 can be incorporated appropriately**

**(2): Based on EU directive 95/1/EEC (already referred in GTR 2)**

**(3): ECE R covers both peak power and 30 min power for electric motors**

**Thank You**