

Informal document No. GRB-40-10

(40th GRB, 23-24 September 2004,
agenda item 1.1.)

Updating ECE Regulation No. 41

IMMA presentation to 40/GRB
2004/09/23-24

Controlling motorcycle noise

- 1996: IMMA published “Motorcycle Noise: the curious silence”
- Conclusions:
 - ECE R41 has greatly reduced noise from OE
 - ECE 92 (1993, for RESS) needs to be introduced and enforced at national level
 - Roadside enforcement is the remaining issue (IMMA presentation Feb 2001)

Updating ECE test methods

- ISO 362:1998 was used to update ECE R.41 (and 97/24/EC) for type approval (TA) purposes
- Studies show that TA measurement methods are not representative of everyday urban traffic
 - NL noise exposure survey (TNO PG)
 - TRL-RWTUEV noise simulation model
 - I-INCE
 - Sandberg PTW noise position paper
 - EC DG ENTR PTW noise discussion paper
 - ...

The WG16 project

- 1998, IMMA asked SC22/WG16 to prepare a new test procedure
- IMMA offered to generate the on-road database (since then also used for WMTC)
- Need for an improved measurement procedure, based on:
 - a detailed analysis of actual riding behaviour
 - the simulation of a partially open throttle
 - the principles under discussion in WG42 for other vehicles

IMMA proposals

- Objective: To update ECE R41 with an amendment using the latest ISO362 procedure (and therefore ECE R92 for RESS)
- Method: by establishing an informal group:
 - to review/agree the text for amending R41 (based on WG16's test procedure)
 - to research equivalent limit values

Timetable

- September '04: GRB
- November '04: 1/Ad hoc group
- [Ad hoc group]
- February '05: GRB (Agree test procedure)
- [Ad hoc group]
- September '05: GRB (Discuss limit values)