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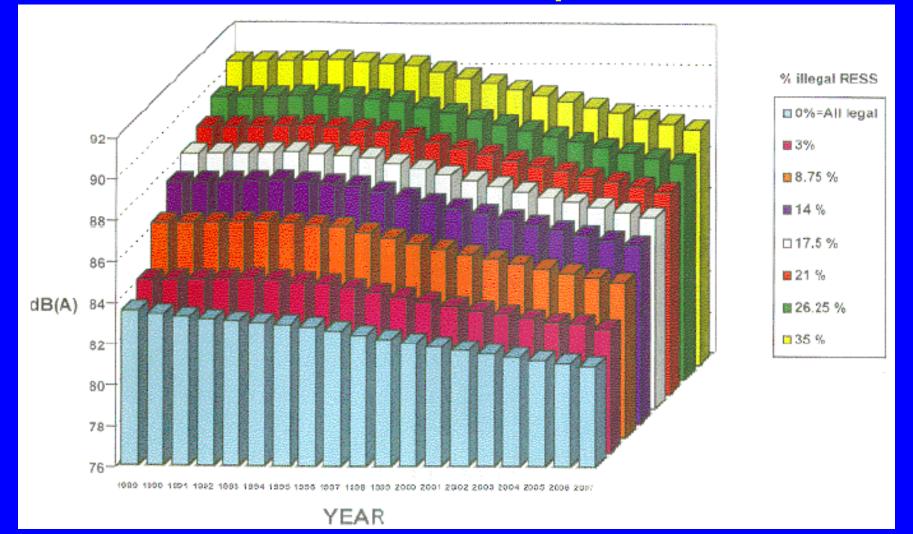
# Updating ECE Regulation No. 41

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)

#### Effect of the options



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# 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

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- Sandberg PTW noise position paper
- EC DG ENTR PTW noise discussion paper

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# 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)