

# Plans for China vehicle noise standards working group



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# Summary of China vehicle noise standards working group

✦ Established by Environment Standards Institute of Ministry of Environment Protection of China (MEP) and China Automotive Technology & Research Center (CATARC) in 2009.

✦ Contains 37 members from automotive industry and tire industry, and has taken 9 working group meetings from 2009.

✦ The main tasks contain: draft and amend the vehicle noise standards of China, including GB 1495 (Pass-by noise), GB 16170 (Stationary noise) and other standards on vehicle noise.



# An open and international working group

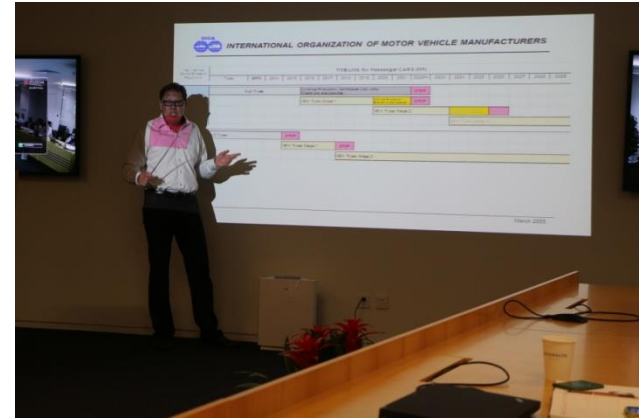
\* In our working group there are members from: China, USA, Korea, Japan, United Kingdom, France, Israel, Germany and Italy.

\* The members from China are the official members of this working group and members from overseas are the observers. But the suggestions and opinions of observers from overseas are still very important, and all members in this working group has an equal position.



# A stage for technical and information exchange

\* In our working group, we not only discuss affairs on regulations, but also introduce the advanced technology and global information to China automotive industry.





# Outcomes of the working group

\* The China automotive industry has now accepted the theory and test method of ECE R51.

\* The draft of GB 1495 is now well harmonized with ECE R51, especially for passenger cars. And the draft is after the second reading of MEP and waiting for the last reading of MEP.

\* The differences between Chinese and European ISO test track have been researched, with the assistance of the working group.



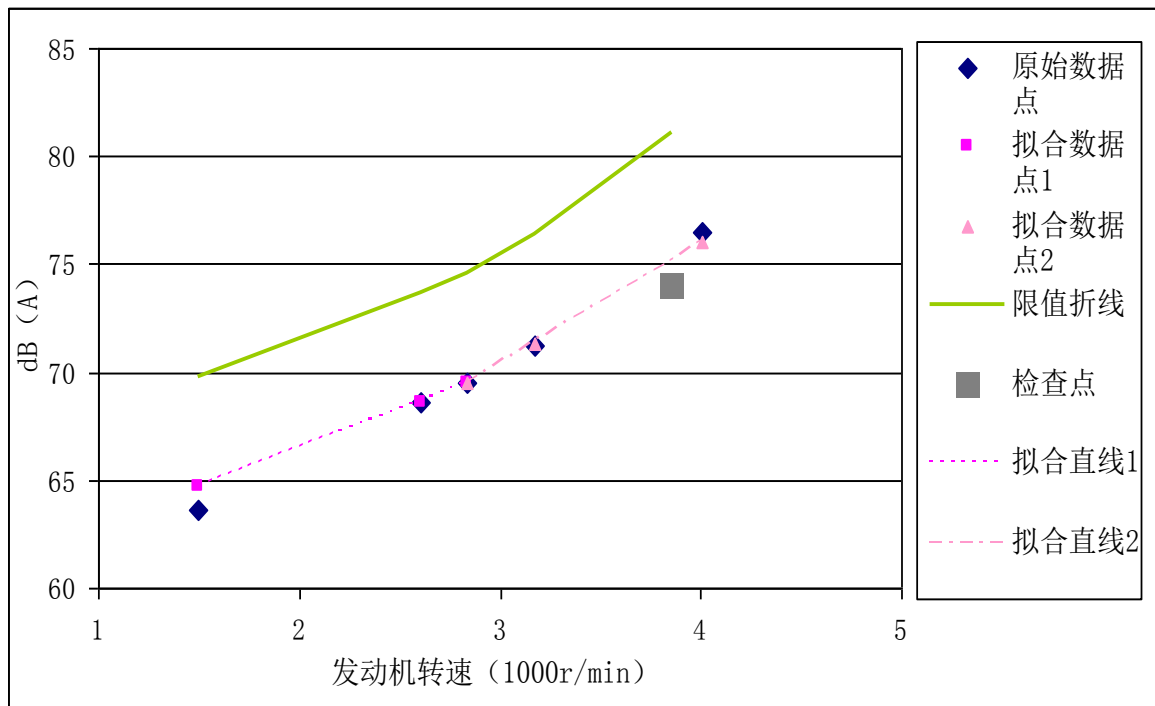
# Plans for next step

\* Durability of exhaust systems containing fibrous materials.



# Plans for next step

\* Research and make certain only one test method and only one evaluation method for ASEP.





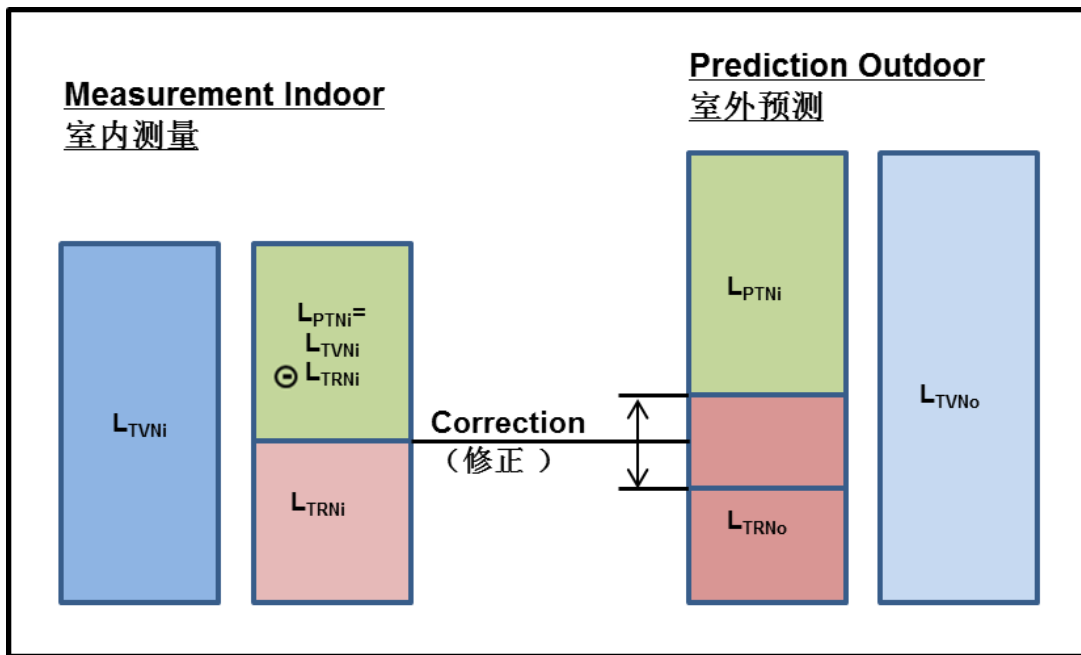
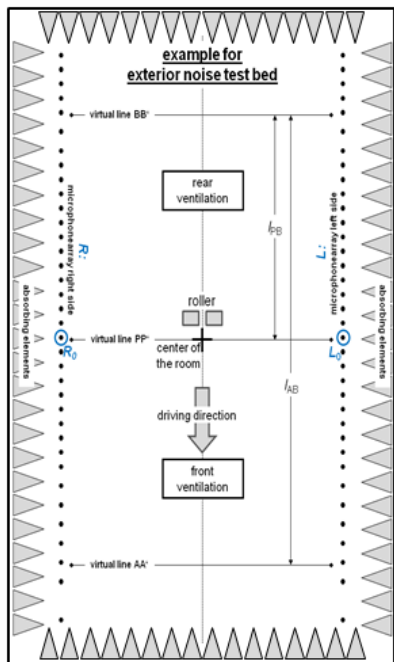
# Plans for next step

\* Research the compressed air noise standard for China, to reduce the sudden sound made by compressed air from the pressure regulator, service brake system and parking brake system, especially for buses and coaches.



# Plans for next step

\* Draft the indoor test method and test procedure.



# Plans for next step

\* Cooperate with the QRTV working group of China, to finish the research on test method and limit values. Especially on several important topics.

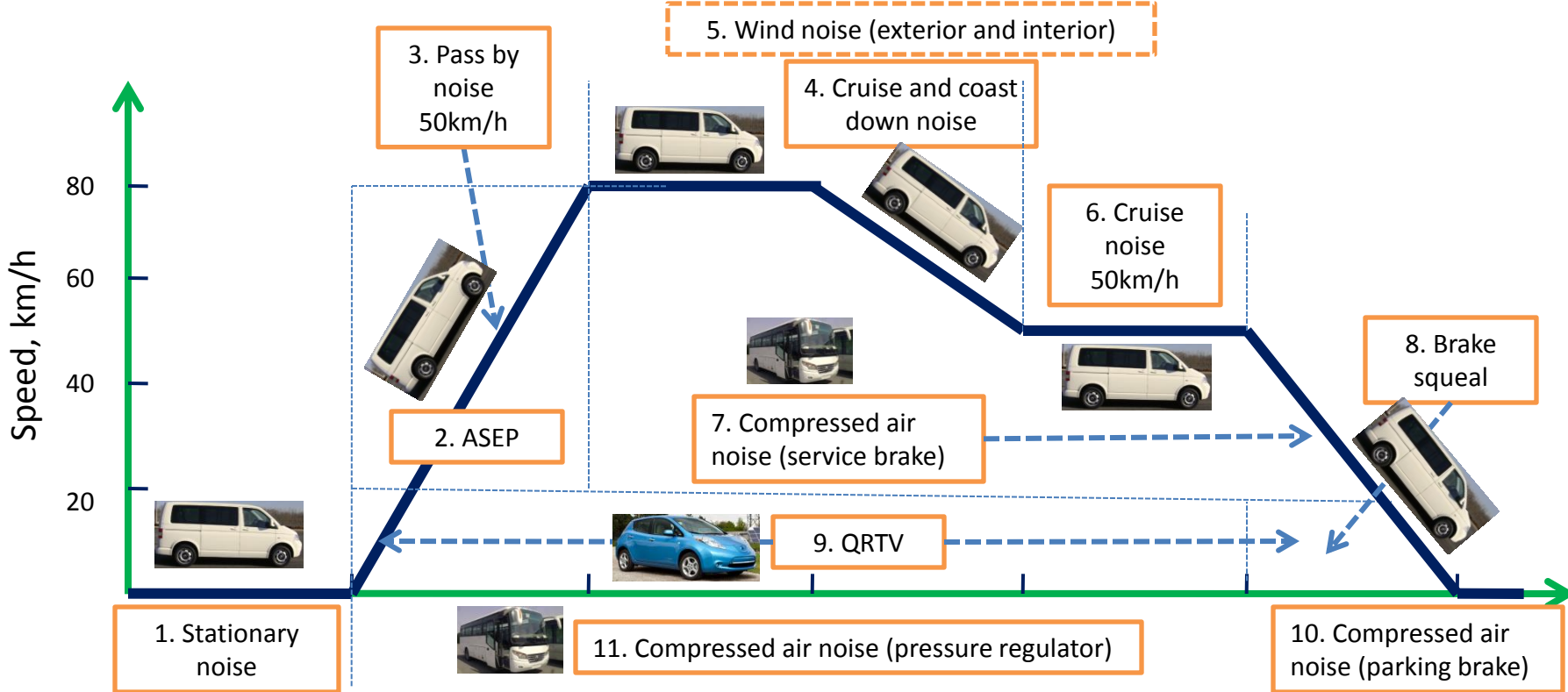
\* Do we need a sound when stationary?

\* What kind of sound level is proper for the situation of China?

\* Pause function, needed or prohibited?



# Long-term plans for noise working group



\* Build up a noise regulation system to cover all behaviors of all vehicles on road.



# Future cooperation with WP29 / GRB

\* Try to harmonize more with ECE R51, especially for the phase 3 limit values and test method of commercial vehicles.

\* Support the next step work for ASEP.

\* Support the research and updating of ISO test track in China.

\* Support the research and updating of ECE R28, and try to harmonize with ECE R28.

\* Support the GTR for QRTV, with the cooperation of China QRTV working group.

\* Support a GTR test method for ECE R51 if possible.

\* Support the regulation for interior noise.

\* Support the research on indoor pass-by test.

***Thank you for your attention***