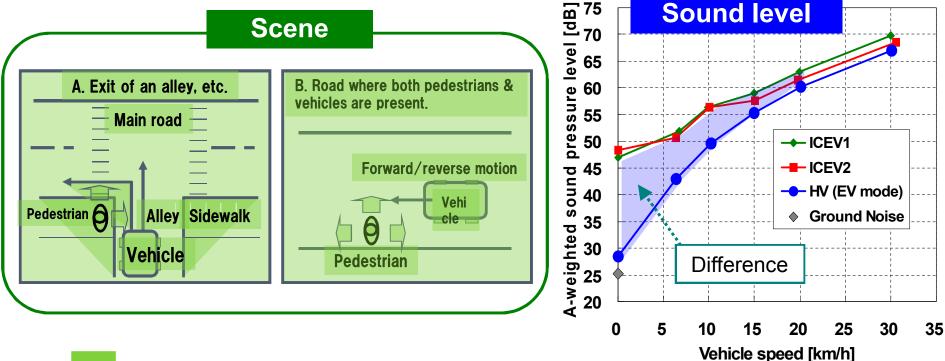
Background of specified vehicle speed for AVAS in Japanese Guideline

18-20 October 2011

JASIC

Situations where the measure is necessary

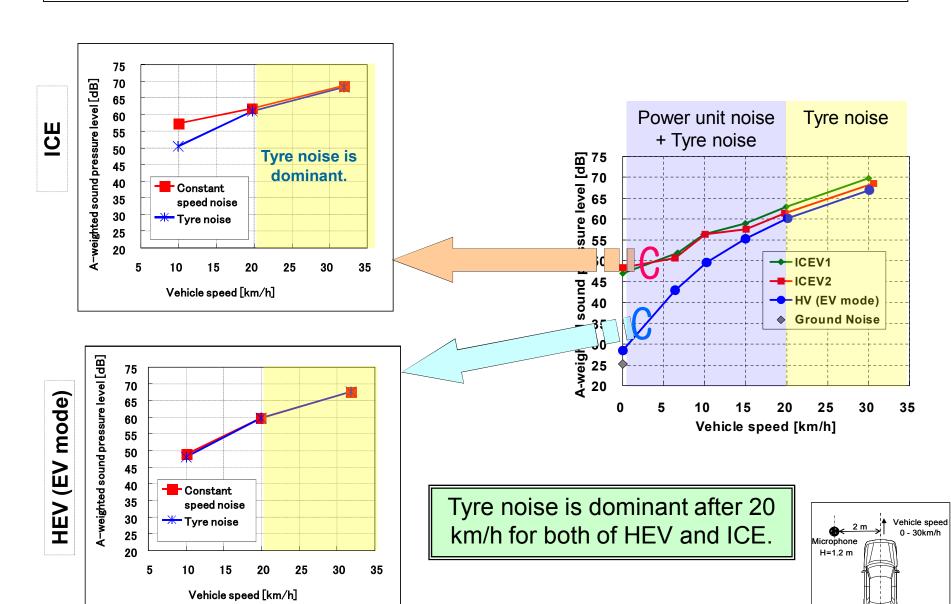




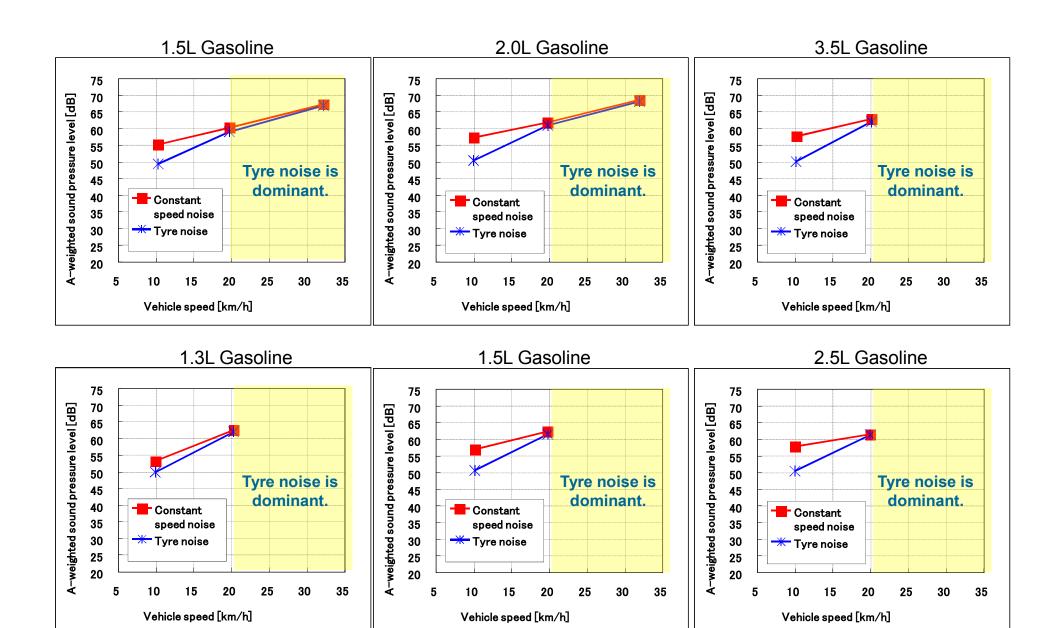
- According to experiments of visually-impaired people where the quietness becomes a problem (above A, B, *low vehicle speed*).
- Difference between sound levels of HV (EV mode) and ICE is below 20km/h.

Conclusion: Minimum speed range = up to 20 km/h

Difference between HEV(EV mode) and ICE



Measurement schematic



Tyre noise is dominant for every ICE vehicle at vehicle speed exceeded than 20km/h. Therefore, there is no difference between EV/HEV and ICE above 20km/h.

Demonstration in the Workshop

- Participants were asked to raise their hand when they noticed the vehicle passing by.
- No body raised hand in case of EV at 10km/h.
- All of participants were noticed EV at 25km/h.

Driven at constant speed 10 km/h



Driven at constant speed 25 km/h

