

DRIVER

Consider in parallel all the PART 3. sheets
Driver, Enforcement, Vehicle, Immission, Tyres/roads

DESCRIPTION / DEFINITION:

- **DRIVER** means a person having the care and control of a motor vehicle on the road. He or she operates the vehicle's controls whether or not the motor vehicle is in motion. The driver is responsible for the safe, daily use of the vehicle including the after-market components in accordance with rules of the road.
- **Keywords:** driving behaviour, driver awareness, manipulation, single events.

GENERAL FINDINGS/STATEMENTS FROM THE PRESENTATIONS/REPORTS

Manipulation:

- Need to address tampering issues with regards to motorcycle's noise as an urgency
- Reduce the limit value of noise regulations has no effect, even worse, low limits increase the tendency to manipulate vehicles
- Extend market surveillance activities, including replacement silencing systems in the noise emissions market surveillance planning

Driver behaviour & awareness:

- Develop the driver's awareness of his/her driving behaviour impact on sound environment.
- But, from some studies soft measures such as making the drivers aware of the noise they produce (for instance signage) have been shown as ineffective
- Extended requirements from UN-R51 (ASEP and RD-ASEP) to cover urban driving situations including aggressive driving, (will) provide significant improvements
- Reduce speed limitation and acceleration of vehicles will significantly decrease the noise emission

Single events:

- Fix a limit on all driving conditions in the UN-R51 for M/N categories, or on the acceleration test result will not provide a substantial benefit for the environment especially when looking to the wide field of "single events"

NEEDS & QUESTIONS FOR FURTHER CONSIDERATION FROM THE ORIGINAL PRESENTATIONS/REPORTS:

Further work needed to

- 'educate' the drivers and the owners' vehicles to make them aware of the impact of their driving behaviour (incivilities, peak events, excessive acceleration/deceleration, ...) and of any manipulation of the vehicles
 - o for instance, through awareness-raising actions (display of the sound level of the vehicle, as for speed limit, in certain areas with 'smiley' accordingly), prevention campaigns, road-side checks and sanction system
 - o detection of illegally modified vehicles
- promote rearrangement of traffic to provide more 'relaxed' driving conditions for instance by adding low speed areas which would also reduce by itself noise, or avoiding speed bumps, or optimizing traffic flow
- better control of the components sold in after-sales (especially for muffler)

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- [02 – \(JAPAN\): General overview of vehicle noise in Japan](#)
 - o [TFSL-01-06](#) (JAPAN): General overview of vehicle noise in Japan
 - o [TFSL-02-09](#) (JAPAN): Further details of vehicle noise issue and reviewing process in Japan
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 - o [TFSL-03-05](#) (FRANCE/BRUITPARIF): Road noise in the environment – Measurements in real life
 - o [1] BRUITPARIF, Le coût social du bruit en Île-de-France, 2021 (The social cost of noise in the Ile-de-France region – Bruitparif report 2021)
 - o [2]: CREDOC (Centre de Recherche pour l'Etude et l'Observation des Conditions de vie - *Research Center for the Study and Observation of Living Conditions*) study for Bruitparif, [2021](#)
- [07 – \(JAPAN\): Development of automatic illegal replacement muffler detection system at NTSEL](#)
 - o [TFVS-04-08](#) (JAPAN): Development of automatic illegal replacement muffler detection system at NTSEL
- [08 – \(UK\): DfT Acoustic Camera](#)
 - o [TFVS-04-06](#) (UK): DfT Acoustic Camera Research
→ Final report webpage: <https://www.gov.uk/government/publications/roadside-vehicle-noise-measurement-study-enforcement-and-technology>
 - o [TFVS-08-03](#) (UK): DfT Noise Camera Research (3-part research project → result expected in 2023)
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[Bruxelles teste et met en œuvre de nouvelles technologies pour lutter contre le bruit du trafic routier... | Bruxelles Environnement](#)

Brussels is testing and implementing new technologies to combat road traffic noise... | Brussels Environment

[Projet « remote sensing » | Bruxelles Environnement](#)

« Remote sensing » project | Brussels Environment

- [12 – \(OICA\): Considerations on Future Road Traffic Noise Regulations](#)
 - o [TFVS-02-10 Rev.2](#) (OICA): Considerations on Future Road Traffic Noise Regulations
- [14 – \(ETRTO\): Tyres road traffic noise – Where is the potential?](#)
 - o [TFVS-04-11](#) (ETRTO): Tyres road traffic noise – Where is the potential?
- [17 – \(EC\) EC Study for L-categories](#)
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 - [GRBP-76-27](#) (Germany) Campaign on noise emissions 2021.