

Transmitted by the group TF-SL (Sound Limits)/VS (Vehicles' Sound)

Informal Document **GRBP-74-39**  
74<sup>th</sup> GRBP, September 15-17, 2021,  
agenda item 3

# Status report to 74<sup>th</sup> session of GRBP (September 2021)

Task Force Vehicles' Sound  
(TF-VS)

*NB: previous name of this TF was TF-SL for Sound Limits*

# TF Vehicles' Sound

## Reminder

- “The experts from EC, ETRTO and OICA reported on their studies on sound level limits (GRBP-73-23, GRBP-73-11 and GRBP-73-25, respectively). To coordinate such initiatives, GRBP decided to establish a taskforce (TF) and sought a volunteer among the experts from Contracting Parties to take the leadership of TF, while OICA agreed to act as secretary. GRBP considered that **TF should address the sound level limits** of UN Regulation No. 51 and, at a later stage, No. 41. To kick-off the TF activities without delay, the Chair pointed out that he could take the lead of TF on a temporary basis, if needed.”

## Roles

- Chair: France
- Secretariat: OICA

## TF-VS homepage

[Task Force on Sound Limits \(TF SL\) - Transport - Vehicle Regulations - UNECE Wiki](#)

# TF Sound Limits / Vehicles' Sound: Facts and Figures



4

**Number of Meetings  
since 73rd GRBP in Jan. 2021**

---

- 01<sup>st</sup> TF SL: March 24, 2021 (TFSL-01-07)
- 02<sup>nd</sup> TF SL: May 26, 2021 (TFSL-02-12)
- 03<sup>rd</sup> TF SL: July 12-13, 2021 (TFSL-03-08)
- 04<sup>th</sup> TF **VS**: September 13-14, 2021 (TFVS-04-xx)

**The first 3 meetings were in virtual  
The 04<sup>th</sup> meeting was hybrid**



~60 (53-57-67-69)

**Participants  
(Contracting Parties, NGOs, Guests)**

---

- **CPS:**  
China, European Commission, France, Germany, India, Italy, Japan, Spain, Switzerland, The Netherlands, United Kingdom
- **NGO's:**  
CLEPA, ETRTO, EUWA, IMMA, ISO, OICA
- **GUESTS:**  
Aristotle University, ATEEL, BRUITPARIF, FEDRO, FEV, HS Data analysis & Consultancy, IDIADA, JARI, TNO

# TF VS – Presentations done during the 04 Sessions

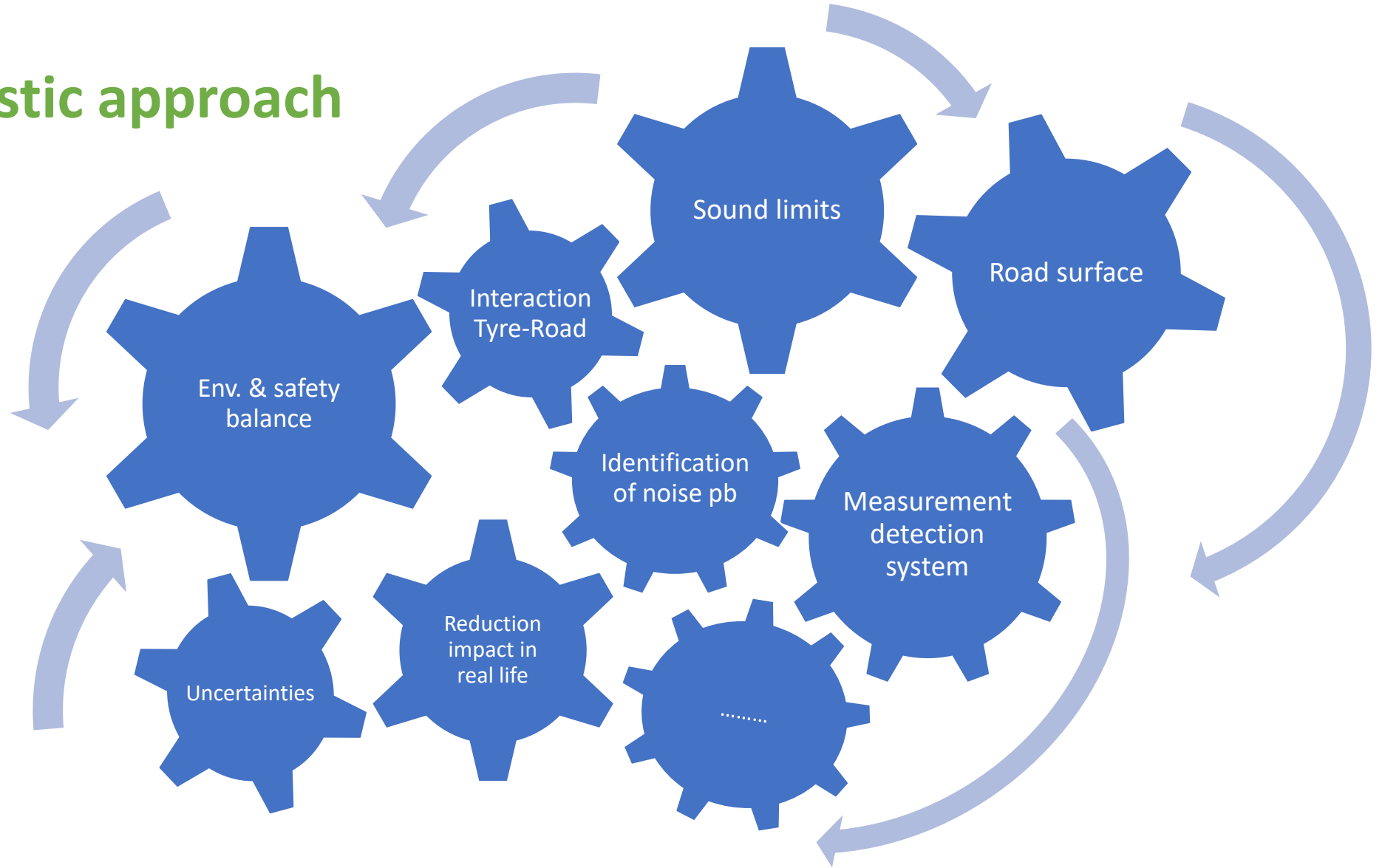
- **General ideas about the work of the TF** – Germany
- **Bruitparif presentation related to road noise in the environment – Measurement in real life** - France (BRUITPARIF)
- **General Information on the Study on sound levels limits of M- and N-category vehicles linked to the Revision of the EC/540/2014 Regulation** - European Commission (HS Consulting, TNO, Aristotle University)
- **EC Phenomena study** - European Commission (TNO)
- **Impact assessment on Euro 5 step of L-category sound emissions level limits** - European Commission (IDIADA)
- **General presentation and future prospects** – Japan
- **Further details of vehicle noise issue and reviewing process in Japan** – Japan
- **Development of automatic illegal replacement muffler detection system at NTSEL** – Japan
- **Considerations on Future Road Traffic Noise Regulations - Status of Vehicle Sound Emission Regulations and their Contribution to lower Environmental Noise** - OICA
- **Study on future sound limits values for type-approval for vehicles of category M & N** - OICA (ACEA/ATEEL)
- **Low-road noise surfaces in Switzerland** - Switzerland (FEDRO)
- **UK DfT Acoustic Camera Research project - methods and equipment available for the detection and enforcement of excessively noisy road vehicles** – UK
- **Tyres & road traffic noise: where is the potential** - ETRTO



- TFSL-01-05 Rev.1
- TFSL-03-05
- GRBP-73-23 & TFSL-02-08
- TFSL-03-04
- TFSL-02-05 & TFVS-04-15
- TFSL-01-06 & TFSL-02-09
- TFSL-03-06
- TFSL-04-08
- TFSL-02-10 Rev.2
- TFSL-04-10 & GRBP-74-27
- TFVS-04-04 + TFVS-04-09
- TFSL-04-06
- TFVS-04-11 Rev.1

# TF Sound Limits / Vehicles' Sound: Presentations

Need of a holistic approach



# TF VS – in addition to the discussions to be continued, main works done & ongoing

## Guidelines of this Task Force:

- From 1<sup>st</sup> discussions at the 01<sup>st</sup> Session, a subgroup was decided to build a proposal
- The proposal has been approved at the 03<sup>rd</sup> Session & updated at the 04<sup>th</sup> session
  - Change of the name of this TF from TF-SL (Sound limit) to TF-VS (Vehicle Sound)



**Informal document GRBP-74-03  
Rev.1**

to be submitted to 74<sup>th</sup> GRBP

## Need to identify where the noise issues lie e.g. through a cross-matrix

- Agreement of the TF group for a subgroup of this TF accordingly
- Volunteers:
  - CPs: EC tbc., France, Germany, The Netherlands, UK, Japan
  - NGO: IMMA, OICA, ETRTO



**No document**

## Impact of AVAS (UN-R138) on Noise Emissions (UN-R51) at low speeds

- Thoughts from some Noise experts related to UN-R138 & UN-R51 matching
- Actions to be defined especially during this GRBP-74 through the documents related to the UN-R138



**TFVS-04-12**

# TF VS – in addition to the discussions to be continued, main works done & ongoing

## Topics for the next 05<sup>th</sup> Session:

- EC presentation related to final report on noise studies on vehicles' sound emissions for M, N, L categories of vehicles
- Additional questions/discussions related to presentations done at the 04<sup>th</sup> session
- Other national presentations especially to follow those already presented and still ongoing (Japan, UK, ...)?
- Cross-matrix report
- R138 vs. UN-R51 activities?
- ...



**Draft agenda of 05<sup>th</sup> TF-VS session to be provided**

**NEXT 05th Session on 26<sup>th</sup> & 27<sup>th</sup> OCTOBER 2021**

Thank you!