**Pedal Acoustic Feedback Market Sounding Questionnaire (MSQ)**

**Introduction**

The Mayor’s Transport Strategy (MTS) sets out the Vision Zero goal of zero people killed or seriously injured (KSIs) on London’s roads by 2041. It includes an interim target for no one to be killed on or by a bus by 2030. The Bus Safety Standard (BSS) was launched in 2018 to help achieve the Vision Zero goal for buses. The BSS mandates the use of safer vehicles and supports safer behaviours and speeds, specifying safety requirements that new buses entering service in London must meet.

Pedal acoustic feedback is a requirement in Bus Safety Standard (BSS) for buses entering the fleet in 2021. Pedal Acoustic Feedback (PAF) is an audible accelerator pedal feedback for quiet running vehicles to provide an audible cue in order to avoid pedal confusion. The current requirement for a PAF system can be found in the Bus Vehicle Specification (see appendix A).

TfL are aiming to have one sound common across all bus models in London in order to reduce the risk of confusion between bus models for drivers, and to also ensure the sound is effective while minimising any nuisance for bus drivers. TfL are currently conducting further research and assessment to define a specific sound for the PAF system. This sound will then be made available upon request to all bus manufacturers for use in London.

This Market Sounding Questionnaire (MSQ) is issued by Transport for London (TfL) and seeks to obtain market feedback in relation to the availability of PAF systems. The feedback from this MSQ will be used to help inform an assessment of PAF solutions to inform the development of a PAF sound for London buses and updates to the Bus Vehicle Specification for PAF systems.

1. **Your Details**

|  |  |
| --- | --- |
| **Organisation Name:** |  |
| **Company Registration Number:** |  |
| **Key Contact Name:** |  |
| **Key Contact Email and Telephone Number:** |  |

1. **Please select where you would best place the current maturity of your PAF solution.**

| **Maturity** | **Please tick** |
| --- | --- |
| **Concept:** The idea of the solution has been identified and partially designed, but no working solution has been delivered. |  |
| **Prototype:** An early-stage solution or concept that has been delivered and is workable. |  |
| **Optimised:** Production ready. The solution is stable and has been refined based on feedback to maximise the efficiency of the solution. |  |
| **Established solution**: The solution is operating within its targeting scope and has now identified and is adding new services and features beyond its expected specification. |  |

1. **How large is your organisation?**

|  |  |
| --- | --- |
| **Size** | **Please tick** |
| Small (less than 20 employees) |  |
| Medium (20 to 200 employees) |  |
| Large (over 200 employees) |  |

1. What industry does your organisation work in?
2. Please describe your organisation, detailing what services and/or products you offer (Maximum 100 words)
3. Please describe how your solution functions (i.e., input signals, sound modulation) and attach a product specification with your submission.
4. Have you designed any sounds for your PAF solution and if so, would you be willing to make them available to us for evaluation (once the necessary legal agreements were in place)?

|  |  |
| --- | --- |
| **Answer** | **Please tick** |
| No |  |
| Yes, I would be willing to make them available |  |
| Yes, I would not be willing to make them available |  |