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| --- | --- | --- |
| **Annex 1 to the Contract pursuant to DE-UZ 59b**  **Environmental Label for "Buses“** |  | **Please use this  form!** |

Manufacturer/Distributor (Applicant):

Distributor (Label user):

Brand / Trade name:

Product designation:

Vehicle propulsion system:

electric drive

hybrid drive

internal combustion engine

Rated engine power P:       kW

Individual application

Type application

| **Paragraph** | **Criterion** | **Requirement** | **Confirmation of Compliance** |  | **Compliance Verification** | **Attached Document** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| **3.1** | Noise emissions | Compliance with the specified limit for the maximum A-weighted sound pressure level of the sound level of the moving vehicle | Compliance with the requirement is confirmed. |  | LpA =       dB (A)  Copy of the registration certificate - Part I | (Annex 2) |
|  |  |  |  |  |  |  |
|  |  | **From January 1, 2018:**   * 75 dB (A) for P < 150 kW * 77 dB (A) for P > 150 kW * 79 dB (A) for P > 250 kW |  |  | In the case of type tests: relevant type test documents | (Annex 2) |
|  |  | **From January 1, 2020:**   * 73 dB (A) for P < 150 kW * 76 dB (A) for P > 150 kW * 77 dB (A) bei P > 250 kW |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.2** | Pollutant emissions | Compliance with the EURO VI air pollutant emission limits specified in Regulation (EU) 582/2011 b) including amendment by Commission Regulation (EU) 2016/1718 | Compliance with the requirement is confirmed. |  | Type test report prepared by a testing laboratory autho-rized for the measurement under Directive 715/2007 by the German Kraftfahrt-Bundesamt (KBA) (Federal Motor Transport Authority). | (Annex 3) |
|  |  |  | Does not apply: Vehicle without internal combustion engine |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.3.1** | Accumulator Capacity Measurement  (Rated Capacity) | Testing in accordance with DIN EN 62660-1 (Secondary lithium-ion cells for the propulsion of electric road vehicles), as amended, or DIN EN 61982 (Secondary batteries (except lithium) for the propulsion of electric road vehicles), as amended | Compliance with the requirement is confirmed. |  | Test report in accordance with the specifications prepared by a testing laboratory that meets the general requirements for competence of testing and calibration laboratories set out in DIN EN ISO/IEC 17025, or equivalent lab | (Annex 4) |
|  |  |  |  |  |  |  |
|  |  |  | Does not apply: Vehicle without traction accumulator |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.3.2** | Accumulator Life/  Warranty | Minimum 5-year or 200.000 kilometer or 8000 operating hour warranty | Compliance with the requirement is confirmed. |  | Relevant product documents | (Annex 5) |
|  |  |  |  |  |  |  |
|  |  |  | Does not apply: Vehicle without traction accumulator |  |  |  |
|  |  |  |  |  |  |  |
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| **3.3.3** | Safety check / Protection against Accumulator Over-charging and Deep Discharging | Testing according to DIN EN/IEC 62660-3, Chapter 6 | Compliance with the requirement is confirmed. |  | Test report prepared by a testing laboratory accredited under DIN EN ISO/IEC 17025 - or equivalent lab | (Annex 6) |
|  |  |  |  |  |  |  |
|  |  |  | Does not apply: Vehicle without traction accumulator |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.3.4** | Fulfilment of the Take-Back and Reporting Obligation according to the German Batteries Act (BattG) | Compliance Verification | Compliance with the requirement is confirmed. |  | Application for registration with the Batteries Act Register of the Federal Environment Agency (UBA) | (Annex 7) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.3.5** | Replacement | Replacement by specialised companies or the end user without the risk of damage,  - compatible replacement accumulators/batteries/cells available for reorder for 10 years from the time that production ceases | Compliance with the requirement is confirmed. |  | Relevant product documents | (Annex 5) |
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| **3.3.6** | Heavy Metal Limits | Prohibited are batteries with a mercury (Hg) content > 5 ppm -  Compliance with the 2 ppm limit for the cadmium (Cd) content of appliance batteries | Compliance with the requirement is confirmed. |  | Test report for traction and/or starter battery in compliance with the requirements for a minimum of four batteries or four cells of the respective type | (Annex 8) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.4** | Air-Conditioning Systems | Use of refrigerants with an ODP of zero and a GWP below 1500 | Compliance with the requirement is confirmed. |  | Type of refrigerant:    Quantity:  GWP = |  |
|  |  | **From January 1, 2020:**  Exclusive use of natural, non-halogenated refrigerants |  |  | Technical documents providing details of the refrigerant used | (Annex 9) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.4** | Paintwork and Coating | Apart from impurities neither lead, nor chromium VI nor cadmium compounds in the coating materials,  Compliance with the total emission limit of 130 (g/m²) for solvent emission during coating | Compliance with the requirement is confirmed. |  | -- | -- |
|  |  |  |  |  |  |  |

**Annexes to the Contract**

Please use this form of Annex 1 to the Contract.

Please attach the following Annexes to the application documents.

Annex 2: Copy of the registration certificate, Part I - or type test documents (para. 3.1)

Annex 3: Type test report on the pollutant emissions pursuant to para. 3.2 (except for vehicles without internal combustion engine)

Annex 4: Test report on the accumulator capacity (3.3.1) (except for vehicles without traction accumulator)

Annex 5: Product documents (3.3.2 Accumulator Life/Warranty - except for vehicles without traction accumulator, 3.3.5 Replacement)

Annex 6: Test protocol on the safety check/protection against overcharging and deep discharging of the accumulator (3.3.3) (except for vehicles without traction accumulator)

Annex 7: Confirmation of the registration with the Batteries Act Register (3.3.4)

Annex 8: Test report on the heavy metal limits (3.3.6)

Annex 9: Compliance verification regarding the air-conditioning system (3.4)

Place:

Date:

Applicant:

(Authorized signature

and company stamp)