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| **Annex 1 to the Contract**  **pursuant to DE-UZ 78** | **Please use only  this form!** |

**Blue Angel Eco-Label for "Computers and Keyboards"**

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| --- | --- | --- |
| **Manufacturer (Applicant):**  (full address) | |  |
| **Distributor (Label user):**  (full address if different from applicant's address) | |  |
| **Trade name of the product:** | |  |
| **Production site / country of origin:** | |  |
|  | |  |
| **The product is a(n):**  (cf. "Scope") |  | desktop computer |
|  | integrated desktop computer |
|  | notebook computer, laptop |
|  | workstation |
|  | mobile workstation |
|  | small-scale server |
|  | small-scale server with more than 2 mass storage drives |
|  | desktop thin client |
|  |  | keyboard |

**Applicant’s Declarations** (Please tick where applicable!)

|  |  |  |
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| **Paragraph** | **Declarations / Compliance Verifications** | **Please tick where applicable!** |
| **3** | **General Requirements** |  |
| **3.1** | **Energy and Power Consumption of Computers** |  |
|  | The applicant declares compliance with the ENERGY STAR requirements for computers, as amended at the time of filing the application. |  |
|  | The version current at the time of filing the application is: |  |
|  | The applicant confirms compliance with the requirement set out in the Ecodesign Regulation for Computers and Computer Servers. |  |
|  | According to the ENERGY STAR scope the product is: . | |
|  | The maximum value ETEC\_MAX is:  kWh. |  |
| **or** | The typical annual total energy consumption ETEC is:  kWh/a. |  |
| The maximum value PTEC\_MAX is:  kWh. |  |
|  | The typical annual total energy consumption PTEC is:  kWh/a. |  |

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| **Paragraph** | **Declarations / Compliance Verifications** | | **Please tick where applicable!** |
|  | The power consumption in the following operating modes is: | |  |
|  | POFF: | W. | |
|  | PSLEEP: | W. | |
|  | PLONG\_IDLE: | W. | |
|  | PSHORT\_IDLE: | W. | |
|  | Attached to the application are respective test reports pursuant to ENERGY STAR for ENERGY STAR for Computers, as amended at the time of filing the application. | | **Annex 2** |
| **3.2** | **Durability** | |  |
| **3.2.1** | **Spare Parts Availability** | |  |
|  | The applicant confirms compliance with the requirement set out in para. 3.2.1 of the Basic Criteria. | |  |
|  | Attached to the application are the respective pages from the product documents with the relevant passages highlighted. **page** | | **Annex 3** |
| **3.2.2** | **Capacity Expansion** | |  |
|  | The applicant confirms compliance with the requirement set out in para. 3.2.2 of the Basic Criteria. | |  |
|  | Attached to the application are the respective pages from the product documents with the relevant passages highlighted. **page** | | **Annex 3** |
| **3.3** | **Recyclable Design** | |  |
| **3.3.1** | **Structure and Connection Technology** | |  |
|  | The applicant confirms compliance with the requirement set out in para. 3.3.1 of the Basic Criteria. | |  |
|  | Attached to the application are instructions for a professional disassembly of the computer. | | **Annex 4** |
|  | The applicant undertakes to provide the recycling companies, as required, with information on efficient disassembly, the assemblies as well as on the substances and components requiring selective treatment. | |  |
| **3.3.2** | **Material Selection** | |  |
|  | The applicant confirms compliance with the requirement set out in para. 3.3.2 of the Basic Criteria. | |  |
|  | Attached to the application is a corresponding list of the marked plastic parts > 25 g. This list also informs about the respective percentage of recycled plastics. | | **Annex P-L 25** |
| **3.4** | **Material Requirements** | |  |
| **3.4.1** | **Material Requirements for the Plastics used in Housings and Housing Parts** | |  |
|  | The applicant confirms compliance with the requirement set out in para. 3.4.1 of the Basic Criteria. | |  |
|  | Attached to the application are the relevant declarations from the plastic manufacturers/suppliers regarding the plastics used. | | **Annex P-M** |
| **3.4.2** | **Use of Biocidal Silver** | |  |
|  | The applicant confirms compliance with the requirement set out in para. 3.4.2 of the Basic Criteria. | |  |
| **3.5** | **Noise Emissions** | |  |
|  | The applicant confirms compliance with the requirement set out in para. 3.5 of the Basic Criteria. | |  |
|  | Attached to the application are the respective pages from the product documents with the relevant passages highlighted. **page** | | **Annex 3** |
|  | **For Computers:** | |  |
|  | The A-weighted sound power levels LWA (1...3) are: | |  |
|  | in idle mode:  dB. | |  |
|  | with the hard disk drive enabled:  dB. | |  |
|  | with the optical drive enabled:  dB. | |  |
|  | Attached to the application is a test report on the acoustics tests required. | | **Annex 5a** |

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| **Paragraph** | **Declarations / Compliance Verifications** | **Please tick where applicable!** |
|  | **For Keyboards:** |  |
|  | The A-weighted sound power level LWAd is  dB. |  |
|  | The device was tested in accordance with ISO/FDIS 7779:2010 in the operating mode as described in Annex C.5 to ECMA-74:2008. |  |
|  | A minimum of three devices was tested in accordance with ISO 9296:1988 and the declared sound power level LWAd was determined in accordance with ISO 9296:1988. |  |
|  | A test report prepared by a testing laboratory accredited according to DIN EN ISO/IEC 17025 and according to ISO/FDIS 7779 for the acoustic tests will be made available. | **Annex 5b** |
| **3.6** | **Product Documents** |  |
|  | The applicant confirms compliance with the requirement set out in para. 3.6 of the Basic Criteria. |  |
|  | Attached to the application are the respective pages from the product documents with the relevant passages highlighted. **page** | **Annex 3** |
|  | The following user information is provided in the product documents: |  |
|  | * Energy consumption (ETEC) in kilowatt hours per year (kWh/a) as well as the power consumption in different operating modes according to para 3.1. **page** |  |
|  | * Instructions on how to set the devices into energy-saving operating modes as well as information on further energy-saving options (e.g. reduction of screen brightness, complete disconnection from the mains). **page** |  |
|  | * If a maximum power value is set for computers in accordance with ENERGY STAR - instead of energy consumption (ETEC) - the measured power values are to be given (in watts): PTEC for workstations and PLONG\_IDLE and POFF for small-scale servers  **page** |  |
|  | * Information on the provision of spare parts according to para. 3.2.1  **page** |  |
|  | * Options for expanding the capacity according to para. 3.2.2. **page** |  |
|  | * Sound power level in all operating modes (provided that the requirements are applicable) according to para. 3.5. **page** |  |
|  | * Instructions for environmentally sound disposal at the end of the life cycle in accordance with the German Elektrogesetz (Electrical and Electronic Equipment  Act) **page** |  |
|  | * Information on manufacturer-operated product take-back programs to allow reuse   **page** |  |
|  | **Additional information to be provided for notebook computers (cf. paragraph 4):** |  |
|  | * Instructions on how to remove and replace the battery/accumulator or battery/accumulator pack according to para. 4.2. **page** |  |
|  | * Indication of nominal capacity, nominal voltage and type designation according to para. 4.4 as well as instructions for decoding if the battery/accumulator displays a coded date of manufacture. **page** |  |
|  | * Indication of the minimum achievable full charge cycles according to para. 4.5 **page** |  |
|  | * Information on the software tools for battery/accumulator status reading and for battery/accumulator protection according to para. 4.6. **page** |  |
|  | * A note advising the user that batteries/accumulators must not be disposed of with the normal household waste but, instead, should be taken to a waste collection facility.   **page** |  |
| **4.** | **Special Requirements for Notebook Computers** |  |
| **4.1** | **Rechargeability** |  |
|  | The applicant confirms compliance with the requirement set out in para. 4.1 of the Basic Criteria. |  |
| **4.2** | **Replaceability** |  |
|  | The applicant confirms compliance with the requirement set out in para. 4.2 of the Basic Criteria. |  |
|  | Attached to the application are the respective pages from the product documents with the relevant passages highlighted. **page** | **Annex 3** |

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| **Paragraph** | **Declarations / Compliance Verifications** | **Please tick where applicable!** |
| **4.3** | **Battery/Accumulator Capacity** |  |
|  | The applicant confirms compliance with the requirement set out in para. 4.3 of the Basic Criteria. |  |
|  | The rated capacity was measured to be: . |  |
|  | Attached to the application is a test report stating that at least three batteries/accumulators were analysed and that all three meet the requirement. | **Annex 6** |
| **4.4** | **Battery/Accumulator Marking** |  |
|  | The applicant confirms compliance with the requirement set out in para. 4.4 of the Basic Criteria. |  |
|  | The battery/accumulator or battery/accumulator pack is marked in accordance with standard EN 61960. |  |
|  | The nominal capacity N is: . |  |
|  | The nominal voltage is: . |  |
|  | The type designation is: . |  |
|  | In addition, the battery/accumulator or battery/accumulator pack provides the information specified in para. 4.4. - information designed to help improve the recycling process. |  |
|  | The following information on the recycling process is provided: . |  |
|  | Attached to the application are the respective pages from the product documents with the relevant passages highlighted. **page** | **Annex 3** |
|  | A photo of the battery/accumulator displaying the above-mentioned details is made available. | **Annex 7** |
| **4.5** | **Battery/Accumulator Durability** |  |
|  | The applicant confirms compliance with the requirement set out in para. 4.5 of the Basic Criteria. |  |
|  | full charge cycles can at least be achieved. |  |
|  | Attached to the application are the respective pages from the product documents with the relevant passages highlighted. **page** | **Annex 3** |
|  | Attached to the application is a report on the battery/accumulator durability test according to Appendix 1: "Determination of Battery/Accumulator Durability". | **Annex 8** |
| **4.6** | **Battery/Accumulator Status and Protection Software** |  |
|  | The applicant confirms compliance with the requirement set out in para. 4.6 of the Basic Criteria. |  |
|  | Attached to the application are the respective pages from the product documents with the relevant passages highlighted. **page** | **Annex 3** |
| **5** | **Special Requirements for Separate Keyboards** |  |
| **5.1** | **Ergonomics** |  |
|  | The ergonomic properties of keyboards for personal computers were tested in accordance with standards DIN EN ISO 9241-400 and DIN EN ISO 9241-410, as amended, and the parameters for full-size keyboards set out therein are met. |  |
|  | The test was performed by:  (Please give the name of the laboratory that performed the test.) |  |

**Annexes to the Contract pursuant to DE-UZ 78**

Please use this form of Annex 1 to the Contract pursuant to DE-UZ 78.

Please attach the following Annexes 2 to 8, P-L25 and P-M to the application documents:

|  |  |
| --- | --- |
| * + Annex 2: | Test reports for determining the energy consumption in accordance with the ENERGY STAR requirements for computers, as amended at the time of filing the application |
| * + Annex 3: | Product documents |
| * + Annex 4: | Instructions for a professional disassembly of the computer |
| * + Annex 5a: | Test report on the computer's noise emissions (form) |
| * + Annex 5b: | Test report on the keyboard's noise emissions |
| * + Annex 6: | Test report on battery/accumulator capacity |
| * + Annex 7: | Photo of the battery/accumulator used |
| * + Annex 8: | Determination of battery/accumulator durability (form) |
| * + Annex P-L 25: | List of the marked plastic parts > 25 g (form) |
| * + Annex P-M: | Declarations from the plastics manufacturers/suppliers on plastic materials (form) |

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| --- | --- | --- |
| Place: |  |  |
| Date: |  |
|  | | (Authorised signature and company stamp) |