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| **Annex 1 to the Contract pursuant to DE-UZ 160**  **Blue Angel Eco-Label for „Routers“** |  | **Please use this  form!** |

Manufacturer/Distributor (Applicant):

Distributor (Label user):

Brand / Trade name:

Product designation:

Integrated DECT station  Yes

No

| **Paragraph** | **Criterion** | **Requirement** | **Confirmation of Compliance** |  | **Compliance Verification** | **Attached Document** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| **3.1.1** | Electric power consumption | **1.)** **Limits** Compliance with the limits of electric power consumption both in “Idle” and “On” state set out in the current version (currently **Version 6**) of the Broadband Equipment Code of Conduct for the Tier of the year of application | Compliance with the requirement is confirmed. |  | Test protocol prepared by a testing laboratory that meets the general requirements for competence of testing and calibration laboratories under DIN EN ISO/IEC 17025 or an equivalent laboratory for measurements on at least three devices in accordance with Appendix A | (Annex 6) |
|  |  |  |  |  |  |  |
|  |  | **2.) Example scenarios** Indication of the average power consumption in the product documents for |  |  | Average electric power consumption, rounded to one decimal place: |  |
|  |  | a. LAN+telephony scenario |  |  | 1. Idle:       W On:       W |  |
|  |  | b. WLAN+telephony scenario |  |  | 1. Idle:       W On:       W |  |
|  |  | c. Telephony scenario |  |  | 1. Idle:       W On:       W |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  | For scenarios a und b please see page(s)        of the product documentation | (Annex 2) |
|  |  |  |  |  |  |  |
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| **3.1.2** | Defined transition time | Automatic fallback function that sets the device to Idle state within no more than 5 minutes | Compliance with the requirement is confirmed. |  | Test protocol prepared by a testing laboratory that meets the general requirements for competence of testing and calibration laboratories under DIN EN ISO/IEC 17025 or an equivalent laboratory for measurements on at least three devices in accordance with Appendix A | (Annex 6) |
|  |  |  |  |  |  |  |
|  |  |  |  |  | Points in time „when the active data transmission“ ends“ and „when the Idle state is reached“ are highlighted;  page(s) |  |
|  |  |  |  |  |  |  |
| **3.1.3** | Power Management | Possibility to disable non-required functions using a software function or a switch and to minimize electric power consumption by means of automatic power management, i.a. | Compliance with the requirement is confirmed. |  | Product documentation providing relevant information, highlighted; page(s) | (Annex 2) |
|  |  |  |  |  | Screenshots of the software function upon first use of the device | (Annex 3) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.1.4** | Integrated  DECT Stations | See DE-UZ 131 „Digital Cordless Phones“ Edition of 2014, paras. 3.2 and 3.3 | Compliance with the requirement is confirmed. |  | See DE-UZ 131 „Digital Cordless Phones“ Edition of 2014, paras. 3.2 and 3.3 | (Annex 9) |
|  |  |  |  |  |  |  |
|  |  |  | Does not apply: router comes without a DECT station |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.2.1** | Warranty | Two-year product warranty at no extra cost | Compliance with the requirement is confirmed. |  | Product documentation providing relevant information, highlighted; page(s) | (Annex 2) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.2.2** | Software Updates | Provision of functional and security-related software updates for at least four years from the time that production ceases, i.a.. | Compliance with the requirement is confirmed. |  | Product documentation providing relevant information, highlighted; page(s) | (Annex 2) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.2.3** | Repair and Spare Parts Availability | Guaranteed repair and spare parts availability for at least four years from the time that production ceases, i.a. | Compliance with the requirement is confirmed. |  | Product documentation providing relevant information, highlighted; page(s) | (Annex 2) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.2.4** | Replaceability of Rechargeable Batteries | Replacement without the need for special tools and without the risk of damage | Compliance with the requirement is confirmed. |  | Product documentation providing relevant information, highlighted; page(s) | (Annex 2) |
|  |  |  |  |  |  |  |
|  |  |  | Does not apply: router does not come with rechargeable batteries |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.2.5** | Replaceability of Hard Disk Drives and Mass Storage Devices | Removal without the risk of damage and without the need for special tools | Compliance with the requirement is confirmed. |  | Product documentation providing relevant information, highlighted; page(s) | (Annex 2) |
|  |  |  |  |  |  |  |
|  |  |  |  |  | Link to the online video: |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.2.6** | Data Deletion | Possibility to completely and securely delete all personal data without the help of pay software | Compliance with the requirement is confirmed. |  | Product documentation providing relevant information, highlighted; page(s) | (Annex 2) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.2.7** | Take Back | Cost-free take back either personally or by shipment, forwarding to reuse or recycling in accordance with ElektroG | Compliance with the requirement is confirmed. |  | Product documentation providing relevant information, highlighted; page(s) | (Annex 2) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.3.1** | Recycling Strategy | Low-effort separation of significant material fractions, recyclability of at least 90 % of the mass of plastics and metals | Compliance with the requirement is confirmed. |  | Electronic accessibility of the recycling strategy: | (Annex 6) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.3.2** | Design optimised for Recycling | Dismantling can be done by specialist companies by the use of commonly available tools | Compliance with the requirement is confirmed. |  | Recycling strategy along with relevant information, highlighted; page(s) | (Annex 6) |
|  |  | *„6. The number of screws used to fasten main components such as housing, printed circuit board(s) and heatsinks should not exceed six each (exceptions must be technically justified).“* |  |  | Reasons for requesting a technical exception, if use is made of the exception | (Annex 6) |
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| **3.3.3** | Material Selection | Only the plastic types ABS, PC, HIPS, PE and PP are approved for the individual plastic parts. Furthermore, the use of plastic composites of PC and ABS is permissible, provided that these consist of post-consumer recycled materials.  The plastic housings must be recyclable by material. | Compliance with the requirement is confirmed. |  | List of the plastics used for plastic parts > 25 g specifying the percentage of recycled plastics | (Annex P-L 25) |
|  |  |  |  |  | Recycling strategy along with relevant information, highlighted; page(s) | (Annex 6) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.3.4** | Material Requirements for Plastics and Plastic Housing Parts | Exclusion of the substances listed | Compliance with the requirement is confirmed. |  | Declaration(s) from the plastic manufacturers confirming that the banned substances have not been added to the plastics and giving the chemical designation of the flame retardants used, including CAS No. and H statements (which is not older than 6 months when first applying for the Blue Angel) | (Annex(es) P-M) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.4** | Electromagnetic Radiation | Compliance with the limit of 0.60 W /kg for the specific absorption rate (SAR) | Compliance with the requirement is confirmed. |  | Measurement protocol according to DIN EN 62209-2 prepared by a testing laboratory affiliated with a body notified according to the German law on the placing of radio equipment on the market(Radio Equipment Act - Funkanlagengesetz – FuAG) | (Annex 8) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3.5** | User Information | Short guide on paper enclosed with the device,  Operating Instructions available | Compliance with the requirement is confirmed. |  | **Please give below the page numbers relating to the information provided in the Short Guide** | (Annex 4) |
|  |  |  |  |  |  |  |
|  |  | Information on the radio transmitter | Compliance with the requirement is confirmed. |  | **Please give below the page numbers relating to the information provided in the Short Guide** | (Annex 4) |
|  |  |  |  |  |  | (Annex 5) |
|  |  |  | Does not apply: router does not come with a radio transmitter |  |  |  |
|  |  |  |  |  |  |  |

**Page Numbers relating to the information provided in the Short Guide (Paragraph 3.5 - User Information):**

* Instructions for analogously displaying the status of the operating states of the router or individual interfaces on the device (e.g. LED displays)

page

* Instructions for digitally displaying the status of the operating states of the router or individual interfaces on the user interface

page

* Instructions on how to enable or disable radio modules (such as, among others, WLAN, DECT)

page

* Instructions on how to activate the timer function and the transmission power reduction of the WLAN module in order to reduce energy consumption and radiation exposure

page

* Information on electric power consumption (in watts) when in On and in Idle for three example application scenarios.

page

* Instructions for energy efficient use of the router, including instructions for automatic and manual power management as well as for an optimal positioning of the router in a room.

page

* Instructions for battery removal (if any)

page

* Instructions for mass storage module removal (if any)

page

**Page Numbers relating to the information provided in Short Guide and Operating Instructions if the router comes with a radio transmitter  
(Paragraph 3.5 – User Information):**

* Information that the device – due to operating conditions - emits high-frequency electromagnetic fields

page

* Information that exposure to these fields can be reduced by way of precaution if the device is installed in a central place where people usually do not spend much time, i.e. for example, in the hall

page

* Information that the WLAN transmitter can be permanently turned off using a switch on the housing and can be programmed to be turned off using the timer function

page

* Information that the display showing the quality of the wireless connection on the device (e.g. for UMTS/LTE) can help find a technically optimal location for the router

page

**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: Product documentation/Operating Instructions (paras. 3.1.1, 3.1.3, 3.2.1 – 3.2.7 and 3.5)

Annex 3: Documentation of the power management (screenshots, 3.1.3)

Annex 4: Short Guide (3.5)

Annex 5: Operating Instructions (3.5)

Annex 6: Recycling strategy (3.3.1 – 3.3.3) and reasons requesting a technical exception, if any (para. 3.3.2)

Annex P-L 25: List of the plastics used for plastic parts > 25g (3.3.3) (form)

Annex(es) P-M: Declarations from the plastic manufacturers (3.3.4) (form)

Annex 7: Test protocol on electric power consumption and the defined transition time (3.1.1 and 3.1.2)

Annex 8: Measurement protocol on electromagnetic radiation (3.4)

Annex 9: Compliance verifications according to DE-UZ 131, paras. 3.2 and 3.3, if required (3.1.4)

Place:

Date:

Applicant:

(Authorized signature

and company stamp)