**Data Centre (DC) – collection of basic data Date :**

**Purpose of request:**

[ ]  Request for certification of data centre site according to CIS model „EN 50600 - Design“

[ ]  Surveillance audit or recertification according to model „EN 50600 – Design“

[ ]  Stage Review (not part of certification) according to model „EN 50600 – Design“

[ ]  Other basic data update for an already certified data centre site

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| **General organizational data** |
| Applicant / Requester (organization):      The requester owns the DC site with its DC basic infrastructure: yes [ ]  [ ]  no(Note: A certificate is issued exclusively in the name of the owner for the DC site) |
| Name of the organization that owns the DC site:      | Corporate structure:      |
| ZIP:       | City:       | Address:       |
| Affiliated company of group:       | NACE:       |
| Audit contact person:       |
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| **Data centre site in scope – general information and current phase in life cycle** |
| Unique identifier of DC site (name):       |
| ZIP:      | City:      | Address:       |
| Current phase in the life cycle of the DC site:[ ]  At planning stage (not built yet)[ ]  In operation – partial expansion of DC basic infrastructure[ ]  In operation – full expansion of DC basic infrastructure[ ]  In operation – modification or renovation is being planned (for modification: also check partial or full expansion) | Additional information for phase „at planning stage“ and „modification or renovation is being planned”:[ ]  Design planning is ready[ ]  Approval planning is ready[ ]  Execution planning is ready |
| If DC site is in phase “in operation” – date of initial start-up:       |
| If DC site is in phase “at planning stage” – date of planned commissioning:       |

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| **Purpose of the DC site (multiple choices are possible):**  |
| **Enterprise data centre**: DC site that is operated by an enterprise which has the purpose of the delivery and management of services to its employees and customers (incl. enterprise group). | [ ]  |
| **Co-location data centre:** Data centre site in which multiple customers locate their own network(s), servers and storage equipment. | [ ]  |
| **Co-hosting data centre:** Data centre site in which multiple customers are provided with access to network(s), servers and storage equipment on which they operate their own services/applications. | [ ]  |
| **Network operator data centre:** data centre site that has the primary purpose of the delivery and management of broadband services to the operators customers. | [ ]  |

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| **Data centre site – contact person** |
| 1. Name:
 | Function:       |

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| **Computer room space in scope – basic data****Note: The computer rooms listed here form the pivot point for assessing the data centre site (possibly other existing computer rooms, server rooms etc. at the DC site are expressly not included in the scope. A identifiable unique name or number for each room is absolutely necessary.** |
| Computer rooms in scopeRoom name or room number 🡪  | Room 1      | Room 2 (possibly)      | Room 3(possibly)      | Room 4(possibly)      | Room 5(possibly)      | Room 6(possibly)      | Total |
| Square meters (m2): |       |       |       |       |       |       |       |
| Dimensioned number of possible IT cabinets in the room (pcs): |       |       |       |       |       |       |       |
| Dimensioned maximum cooling capacity per IT cabinet (kW): |       |       |       |       |       |       | N/A |
| Alternatively: Dimensioned maximum cooling capacity per square meter (kW): |       |       |       |       |       |       | N/A |
| This results in an overall dimensioned net IT load in the room for cooling[[1]](#footnote-1) (kW): |       |       |       |       |       |       |       |
| Current total energy consumption of the so-called „protected sockets“ (= powered via UPS) in the computer room (kVA)[[2]](#footnote-2) |       |       |       |       |       |       |       |
| Cold aisle containment (yes / no) |       |       |       |       |       |       | N/A |

Together with the functional area "computer room" defined as the pivot point, the following functional areas are also in scope of the conformity assessment on compliance with the design principles of the standard “EN 50600 – Design”:

* Building incl. outdoor area at the site and the defined protection zones;
* Power supply and power distribution;
* Environmental control (air conditioning);
* Telecommunications cabling infrastructure (passive components);
* Security systems for physical and environmental security.

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| **Technical availability class** |
| **Designedavailability class for the DC site** **(single choice) 🡪** | **Availability Class 1(low)**[x]  | **Availability Class 2(medium)**[ ]  | **Availability Class 3(high)**[ ]  | **Availability Class 4(very high)**[ ]  |
| Conceptual design principals (high level) for the defined availability classes in the areas of:* Power supply and power distribution
* Environmental control (air conditioning)
* Telecommunications cabling infrastructure

 **🡪** | * Planned maintenance can require the IT-load to be shut-down, no fault tolerance at all;
* Single source(N), fed by a single path
	+ power
	+ cooling
	+ external IT-net-work service;
* Sinlge path (N);
* No redundancies (N) for functional components;
* Low resilience because there are no redundancies.
 | * Routine planned maintenance of certain redundant functional components will not require the IT-load to be shut-down;
* Redundant source(N+1), fed by a single path
	+ power
	+ cooling
	+ external IT-net-work service;
* Single path (N);
* Redundancies (N+1) for certain functional components;
* Medium resilience because N+1 redundancies on component level but only single path and no accommodation of redundant components in separate fire compartments.
 | * The complete DC basic infrastructure (components and paths) can be maintained concurrently to the ongoing IT operations (any maintenance activity will not require the IT-load to be shut down);
* Redundant source(N+1), fed by redundant paths
	+ power
	+ cooling
	+ external IT-network service;
* Redundant paths(N+1);
* Redundancies (N+1) for functional components;
* High resilience because N+1 redundancies on component level and redundant paths. Maybe accommodation of some but not all redundant components and paths in separate fire compartments.
 | * The complete DC basic infrastructure (components and paths) can be maintained concurrently to the ongoing IT operations (any maintenance activity will not require the IT-load to be shut down), 2N fault tolerant design on system level (N+N);
* Multiple source(2N), fed by multiple paths
	+ power
	+ cooling
	+ external IT-network service);
* Multiple paths (2N);
* Redundancies (2N / N+N) for functional components and paths;
* Very high resilience because 2N / N+N redundancies on system level with system separation and accommodation of all redundant systems and components incl. paths in separate fire compartments.
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| **Energy Efficiency Enablement** |
| **Designed level for energy efficiency enablement****(single choice) 🡪**  | **Level 1**[ ]  | **Level 2**[ ]  | **Level 3**[ ]  |
| Conceptual design principles (high level) for the defined levels of energy efficiency enablement: | A measurement regime providing simple global information for the data centre site as whole. | A measurement regime provides detailed information for specific facilities and infrastructures within the data centre site. | A measurement regime provides granular data for systems within the spaces and pathways of the data centre site. |

Note: CIS audits in the area of design principles according to the "EN 50600 - Design" model are based on:

* Local inspections of the data centre site (DC sites that are already in operation);
* Review of site reports, risk analyses and permits/notices according to the requirements of EN 50600 standard;
* Review of planning documentation/execution documentation for the DC site and its DC basic infrastructure in the course of interviews;
* Review of acceptance documentation and declarations of conformity to referenced standards from installation companies for the DC site in the course of interviews;
* Review of evidence/records for the redundancy/failover tests carried out in the course of DC basic infrastructure commissioning (in reference to the needed availability class);
* Review of the evidence/records of required maintenance for the DC basic infrastructure in the course of interviews.

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| Phone number to receive a password by SMS, in case of secure/encrypted transfer of documents such as audit report: |       |

**Additional documents that will be part of the contract if an order is placed:**

* General Terms and Conditions, document d007e ([Download](https://www.cis-cert.com/wp-content/uploads/d007e-terms-and-conditions-sc.pdf))

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|       |  |       |
| City, Date |  | Authorized signature |

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| **Please complete and sign the form and send it to CIS:**  |  | **CIS** -Certification & InformationSecurity Services GmbH |
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1. Calculation: „dimensioned net IT load“ = „dimensioned number of possible IT cabinets“ x „dimensioned cooling capacity per IT cabinet“
 or „area in square meters“ x „dimensioned maximum cooling capacity per square meter“ [↑](#footnote-ref-1)
2. Only for data center sites that are already in operation [↑](#footnote-ref-2)