DIN 66399

...the new Standard for top-security Storage of Information on Paper and modern Data Carriers

For decades, the destruction of Data Carriers was governed by the standard DIN 32757-1:1995-01, which applied exclusively to paper.

With the rapid spread of digital Data Carriers and growing demands for information security, a revision became necessary. The new DIN 66399 takes full account of the current situation, and will supersede the old data protection standard DIN 32757.

DIN 66399 is structured as follows...

Part 1: Principles and Definitions

This part defines the relevant terms and specifies the protection categories and security levels.

Part 2: Requirements for Equipment for Destruction of Data Carriers

This part sets out the requirements for equipment used for the safe destruction of Data Carriers.

The new principles were drafted by the Information Technology and selected IT Applications Standards Committee (MA) of the German Institute for Standardisation (DIN), which summarises them as follows:

"Safe disposal in this context means that Data Carriers containing protected information must be destroyed in such a way as to render the reproduction of that information either impossible or as difficult as possible."

Expectations and Feasibility

From conventional file shredding to the destruction of state-of-the-art data carriers, the intimus® product range has solutions for all Security Levels > Storage Media and > Protection Categories.

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The information in this flyer is based on the brochure published by the Information Technology and selected IT Applications Standards Committee (MA) of the German Institute for Standardisation (DIN), dated August 2011.

Information Security concerns us all!

...the new Standard for safe Destruction and Disposal of Data Carriers containing confidential, personal and/or sensitive Data.
### Overview of Class “P”: Information Representation original Size (Paper, Film, Printing Forms, etc.)

<table>
<thead>
<tr>
<th>DIN</th>
<th>DIN 66399 Classification of Data Carriers according to DIN 66399</th>
<th>Protection class</th>
<th>DIN 66399 Classification of Data Carriers in each way</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>... that the data on it can be reproduced without special tools or skills but not without certain amount of time and effort.</td>
<td>P</td>
<td>Requisite for Data Carriers containing general data which needs to be rendered illegible.</td>
</tr>
<tr>
<td>2</td>
<td>... that the data on it can be reproduced with tools and only with a certain degree of effort.</td>
<td>P-2</td>
<td>Requisite for Data Carriers containing internal data which needs to be rendered illegible.</td>
</tr>
<tr>
<td>3</td>
<td>... that the data on it can only be reproduced with considerable effort (personal, legal, time).</td>
<td>P-3</td>
<td>Requisite for Data Carriers containing sensitive and confidential data which needs to be rendered illegible.</td>
</tr>
<tr>
<td>4</td>
<td>... that the data on it is not only to be reproduced using non-commercially available or specially designed devices.</td>
<td>P-4</td>
<td>Requisite for Data Carriers containing sensitive and confidential data which needs to be rendered illegible.</td>
</tr>
<tr>
<td>5</td>
<td>... that the data on it is not only to be reproduced given the current level of knowledge of science and technology.</td>
<td>P-5</td>
<td>Requisite for Data Carriers containing data which needs to be kept secret. If exceptionally high security standards are required.</td>
</tr>
<tr>
<td>6</td>
<td>... that the data on it is not impossible to reproduce given the current level of knowledge of science and technology.</td>
<td>P-6</td>
<td>Requisite for Data Carriers containing data which needs to be kept secret. If exceptionally high security standards are required.</td>
</tr>
</tbody>
</table>

**Security level:**

- **C1:** Data carrier destruction + Classification of the effect required to reproduce information.
- **C2:** Data carrier destruction + The effect required to reproduce information + Protection implant.
- **C3:** Data carrier destruction + Effect required to reproduce information + Protection implant.

**Security class:**

- **S4:** The effect to reproduce information is impossible given the current level of knowledge of science and technology.
- **S3:** The effect to reproduce information is unlikely to be reproduced given the current level of knowledge of science and technology.
- **S2:** The effect to reproduce information can only be reproduced using non-commercially available or specially designed devices.
- **S1:** The effect to reproduce information can be reproduced without special tools or skills but not given the current level of knowledge of science and technology.

**Permissible Inferences:**

- **P:** Information will be deemed to be no longer required.
- **O:** Information which is no longer required.

**Destruction:**

- **D:** Destruction of Data Carriers in such a way that the data on them is no longer reproduced. 
- **T:** Destruction in monitored premises [DIN EN 50131:2010-02].

**Destruction of Data Carriers according to DIN 66399**

<table>
<thead>
<tr>
<th>DIN 66399</th>
<th>Classification of Data Carriers</th>
<th>Particle class</th>
<th>Permissible Inferences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Material particle area max. 3.800 mm² or strip width max. 10 mm or strip length unlimited</td>
<td>10% of the material area</td>
<td>Not defined</td>
</tr>
<tr>
<td>2</td>
<td>Material particle area max. 3.000 mm² or strip width max. 10 mm or strip length unlimited</td>
<td>10% of the material area</td>
<td>Not defined</td>
</tr>
<tr>
<td>3</td>
<td>Material particle area max. 2.000 mm² or strip width max. 10 mm or strip length unlimited</td>
<td>10% of the material area</td>
<td>Not defined</td>
</tr>
<tr>
<td>4</td>
<td>Material particle area max. 1.000 mm² or strip width max. 10 mm or strip length unlimited</td>
<td>10% of the material area</td>
<td>Not defined</td>
</tr>
<tr>
<td>5</td>
<td>Material particle area max. 30 mm² or strip width max. 10 mm or strip length unlimited</td>
<td>10% of the material area</td>
<td>Not defined</td>
</tr>
<tr>
<td>6</td>
<td>Material particle area max. 100 mm² or strip width max. 10 mm or strip length unlimited</td>
<td>10% of the material area</td>
<td>Not defined</td>
</tr>
<tr>
<td>7</td>
<td>Material particle area max. 300 mm² or strip width max. 10 mm or strip length unlimited</td>
<td>10% of the material area</td>
<td>Not defined</td>
</tr>
<tr>
<td>8</td>
<td>Material particle area max. 1,000 mm² or strip width max. 10 mm or strip length unlimited</td>
<td>10% of the material area</td>
<td>Not defined</td>
</tr>
<tr>
<td>9</td>
<td>Material particle area max. 30,000 mm² or strip width max. 10 mm or strip length unlimited</td>
<td>10% of the material area</td>
<td>Not defined</td>
</tr>
</tbody>
</table>

**Information Representation:**

- **P:** Paper, Film, Printing Forms, etc.
- **O:** Original Size

**Object containing data:**

- **O:** (typical Data Carriers are paper, film, plastic, foil, metal, magnetic, electronic media, etc.).

**Destruction:**

- **D:** Dissolution or incineration, destruction or annihilation of Data Carriers, generally by shredding, cutting, incineration, or by whatever means are necessary to render the reproduction of the stored data impossible or impossible.

**Permissible Inferences:**

- **P:** Information will be deemed to be no longer required.
- **O:** Information which is no longer required.

**Destruction of Data Carriers:**

- **D:** Destruction of Data Carriers in such a way that the data on them is no longer reproduced. 
- **T:** Destruction in monitored premises [DIN EN 50131:2010-02].

**Destruction in monitored premises [DIN EN 50131:2010-02]:**

- **P:** Protection against unauthorized access.
- **O:** Protection against unauthorized access.

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