

ETSI EN 303 800-5 V1.1.1 (2024-11)



**Environmental Engineering (EE);
Assessment of material efficiency of ICT network
infrastructure goods (circular economy);
Part 5: Server and data storage product disassembly and
disassembly instruction**

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Contents

Intellectual Property Rights	4
Foreword.....	4
Modal verbs terminology.....	5
Introduction	5
1 Scope	6
2 References	6
2.1 Normative references	6
2.2 Informative references.....	7
3 Definition of terms, symbols and abbreviations.....	8
3.1 Terms.....	8
3.2 Symbols.....	9
3.3 Abbreviations	9
4 Assessment of ability to disassemble	10
4.1 Scope of the assessment	10
4.2 Provision of instructions on disassembly operations.....	11
4.2.1 Instruction content and availability.....	11
4.3 Ensuring joining, fastening and sealing techniques do not prevent disassembly for repair or reuse purposes.....	11
Annex A (informative): Identified considerations for servers and storage products	13
A.1 Scope	13
A.2 Future proofness and Next-level subassembly	13
A.3 Traceability.....	14
A.4 Registration of repairers	14
A.5 Exemptions.....	14
History	16

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Foreword

This European Standard (EN) has been produced by ETSI Technical Committee Environmental Engineering (EE).

The present document is part 5 of a multi-part deliverable covering Environmental Engineering (EE); Assessment of material efficiency of ICT network infrastructure goods (circular economy), as identified below:

Part 2: "Server and data storage product secure data deletion functionality";

Part 3: "Server and data storage product availability of firmware and of security updates to firmware";

Part 5: "Server and data storage product disassembly and disassembly instruction".

NOTE: Part 1 and Part 4 have been cancelled as their intended content is already covered by other standards.

National transposition dates

Date of adoption of this EN:	11 November 2024
Date of latest announcement of this EN (doa):	28 February 2025
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 August 2025
Date of withdrawal of any conflicting National Standard (dow):	31 August 2025

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

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Introduction

The present document contains methods to assess the ability to disassemble certain key parts of servers and data storage products and the provision of information on these disassembly operations. The present document places a special emphasis on aspects relevant to the circular economy, such as fostering durability and reparability, in particular by third parties (such as spare parts repairers and maintenance).

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1 Scope

The present document specifies methods to measure the ability of the following products to be disassembled:

- 1) servers;
- 2) data storage equipment.

The present document covers:

- i) The ability to disassemble, with particular regard to assessing that joining, fastening or sealing techniques do not prevent the disassembly for repair or reuse purposes.
- ii) The provision of instructions on the disassembly operations, including the type of operation, the type and number of fastening technique(s) to be unlocked and the tool(s) required.

The following products are out of scope of the present document:

- servers intended for embedded applications;
- servers classified as small-scale servers in terms of Regulation (EU) No 617/2013 [i.4];
- servers with more than four processor sockets;
- server appliances;
- large servers;
- fully fault tolerant servers;
- network servers;
- small data storage products;
- large data storage products.

The decision whether a product should be repaired, reused or upgraded, is out of scope. It is dependent on a range of factors including the various environmental aspects and other relevant considerations, such as safety and health, technical requirements for functionality, quality and performance of the server or storage product.

NOTE: See Directive 2009/125/EC [i.1].

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are necessary for the application of the present document.

Not applicable.