

# ETSI EN 303 800-3 V1.1.1 (2025-02)



**Environmental Engineering (EE);  
Assessment of material efficiency of  
ICT network infrastructure goods (circular economy);  
Part 3: Server and data storage product availability of  
firmware and of security updates to firmware**

[ETSI EN 303 800-3 V1.1.1 \(2025-02\)](https://standards.iteh.ai/catalog/standards/etsi/ee030d95-d7f6-4128-85b3-ca40d8606752/etsi-en-303-800-3-v1-1-1-2025-02)

<https://standards.iteh.ai/catalog/standards/etsi/ee030d95-d7f6-4128-85b3-ca40d8606752/etsi-en-303-800-3-v1-1-1-2025-02>

---

**Reference**

---

DEN/EE-EEPS47-3

---

---

**Keywords**

---

availability, security

---

**ETSI**

---

650 Route des Lucioles  
F-06921 Sophia Antipolis Cedex - FRANCE

---

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - APE 7112B  
Association à but non lucratif enregistrée à la  
Sous-Préfecture de Grasse (06) N° w061004871

---

**Important notice**

---

The present document can be downloaded from the  
[ETSI Search & Browse Standards](#) application.

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the prevailing version of an ETSI deliverable is the one made publicly available in PDF format on [ETSI deliver](#) repository.

Users should be aware that the present document may be revised or have its status changed,  
this information is available in the [Milestones listing](#).

If you find errors in the present document, please send your comments to  
the relevant service listed under [Committee Support Staff](#).

If you find a security vulnerability in the present document, please report it through our  
[Coordinated Vulnerability Disclosure \(CVD\)](#) program.

---

**Notice of disclaimer & limitation of liability**

---

The information provided in the present deliverable is directed solely to professionals who have the appropriate degree of experience to understand and interpret its content in accordance with generally accepted engineering or other professional standard and applicable regulations.

No recommendation as to products and services or vendors is made or should be implied.  
In no event shall ETSI be held liable for loss of profits or any other incidental or consequential damages.

Any software contained in this deliverable is provided "AS IS" with no warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose and non-infringement of intellectual property rights and ETSI shall not be held liable in any event for any damages whatsoever (including, without limitation, damages for loss of profits, business interruption, loss of information, or any other pecuniary loss) arising out of or related to the use of or inability to use the software.

---

**Copyright Notification**

---

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.

The copyright and the foregoing restriction extend to reproduction in all media.

© ETSI 2025.  
All rights reserved.

# Contents

Intellectual Property Rights .....	4
Foreword.....	4
Modal verbs terminology.....	5
Executive summary .....	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.....	7
3.1 Terms.....	7
3.2 Symbols.....	8
3.3 Abbreviations .....	8
4 Technical requirements specifications .....	9
4.1 Environmental profile.....	9
4.2 Conformance requirements .....	9
4.2.1 Time period of availability .....	9
4.2.2 Skill level .....	9
4.2.3 Distribution .....	10
4.2.4 Verification .....	10
<b>Annex A (informative): Skill levels for firmware deployment .....</b>	<b>11</b>
A.1 Background .....	11
A.1.1 Directive 2009/125/EC - establishing a framework for the setting of ecodesign requirements for energy-related products .....	11
A.1.2 Consumer vs "Business to Business" product .....	11
A.2 Deployment process .....	12
A.2.1 Introduction .....	12
A.2.2 Factors affecting deployment .....	12
A.2.2.1 Interoperability & compatibility .....	12
A.2.2.2 Industry standard technology.....	12
A.2.2.3 Risk of business interruption and data loss.....	12
A.2.2.4 Loss of physical product integrity.....	13
A.2.2.5 Multi-step process.....	13
A.2.2.6 Compromise to product configuration .....	13
A.2.2.7 Transferable expertise .....	13
A.2.2.8 Genuine physical safety risks.....	13
A.3 Conclusion.....	13
History .....	14

# Intellectual Property Rights

## Essential patents

IPRs essential or potentially essential to normative deliverables may have been declared to ETSI. The declarations pertaining to these essential IPRs, if any, are publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: *"Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards"*, which is available from the ETSI Secretariat. Latest updates are available on the [ETSI IPR online database](https://standards.iteh.ai/ipr-online-database).

Pursuant to the ETSI Directives including the ETSI IPR Policy, no investigation regarding the essentiality of IPRs, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

## Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

**DECT™**, **PLUGTESTS™**, **UMTS™** and the ETSI logo are trademarks of ETSI registered for the benefit of its Members. **3GPP™**, **LTE™** and **5G™** logo are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners. **oneM2M™** logo is a trademark of ETSI registered for the benefit of its Members and of the oneM2M Partners. **GSM®** and the GSM logo are trademarks registered and owned by the GSM Association.

# Foreword

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

The present document establishes the means for the verification of compliance with the requirements for the availability of firmware and of security updates to the firmware for servers and data storage products.

The present document is part 3 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:	5 February 2025
Date of latest announcement of this EN (doa):	31 May 2025
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 November 2025
Date of withdrawal of any conflicting National Standard (dow):	30 November 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).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

---

## Executive summary

The present document concerns server and data storage products, it establishes the means for the verification of compliance with the requirements for the availability of firmware and of security updates to the firmware for servers and data storage products.

---

## Introduction

The present document specifies how to make available:

- a) the latest available version of the firmware; and
- b) the latest available security update to firmware,

for a period of eight years, after the placing on the market of the last product of a given product model.

The present document was developed jointly by ETSI TC EE and ITU-T Study Group 5. It is published respectively by ITU and ETSI as Recommendation ITU-T L.ME\_AF [i.5]) and ETSI EN 303 800-3 (the present document), which are technically equivalent.

Document Preview

[ETSI EN 303 800-3 V1.1.1 \(2025-02\)](#)

<https://standards.iteh.ai/catalog/standards/etsi/ee030d95-d7f6-4128-85b3-ca40d8606752/etsi-en-303-800-3-v1-1-1-2025-02>

---

# 1 Scope

The present document specifies how manufacturers of server products and online data storage products make available the latest available firmware version and the security updates to the firmware, to whom these updates are made available to and the skill levels required to install these updates.

The present document covers the servers and online data storage products.

The present document does not cover the following products:

- a) servers intended for embedded applications;
- b) servers classified as small scale servers;
- c) servers with more than four processor sockets;
- d) server appliances;
- e) large servers;
- f) fully fault tolerant servers;
- g) network servers;
- h) small data storage products;
- i) large data storage products;
- j) are used in means of transport for persons or goods [i.3].

The present document covers the latest available firmware version which are system, hardware component or peripheral programming provided with server or storage products, to provide basic instructions for hardware to function inclusive of all applicable programming and hardware updates.

---

## 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.

Referenced documents which are not found to be publicly available in the expected location might be found in the [ETSI docbox](https://standards.ietf.ai/catalog/standards/etsi/ee030d95-d7f6-4128-85b3-ca40d8606752/etsi-en-303-800-3-v1-1-1-2025-02).

**NOTE:** While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

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

Not applicable.