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Telecontrol equipment and systems - Part 6-503: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - TASE.2 Services and protocol

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EUROPEAN STANDARD

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NORME EUROPÉENNE

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Telecontrol equipment and systems - Part 6-503: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - TASE.2 Services and protocol (IEC 60870-6-503:2014)

Matériels et systèmes de téléconduite - Partie 6-503:
Protocoles de téléconduite compatibles avec les normes
ISO et les recommandations de l'UIT-T - Services et
protocole TASE.2
(CEI 60870-6-503:2014)

Fernwirkrichtungen und -systeme - Teil 6-503:
Fernwirkprotokolle, die mit ISO-Normen und ITU-T-
Empfehlungen kompatibel sind - TASE.2-Dienste und -
Protokoll
(IEC 60870-6-503:2014)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 57/1453/FDIS, future edition 3 of IEC 60870-6-503, prepared by IEC/TC 57 "Power systems management and associated information exchange" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60870-6-503:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-05-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-08-19

This document supersedes EN 60870-6-503:2002.

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The text of the International Standard IEC 60870-6-503:2014 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60870-6-702	2014	Telecontrol equipment and systems - Part 6-702: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - Functional profile for providing the TASE.2 application service in end systems	EN 60870-6-702	2014
IEC 60870-6-802	2014	Telecontrol equipment and systems - Part 6-802: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - TASE.2 Object models	EN 60870-6-802	2014
IEC 61970-452	2013	Energy management system application program interface (EMS-API) - Part 452: CIM static transmission network model profiles	EN 61970-452	2013
IEC 61970-552	2013	Energy Management System Application Program Interface (EMS-API) - Part 552: CIMXML Model Exchange Format	EN 61970-552	2014
IEC/TS 62351-4	2007	Power systems management and associated information exchange - Data and communications security - Part 4: Profiles including MMS	-	-
ISO 9506-1	2003	Industrial automation systems - Manufacturing Message Specification - Part 1: Service definition	-	-
ISO 9506-2	2003	Industrial automation systems - Manufacturing Message Specification - Part 2: Protocol specification	-	-

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NORME INTERNATIONALE



**Telecontrol equipment and systems –
Part 6-503: Telecontrol protocols compatible with ISO standards and ITU-T
recommendations – TASE.2 Services and protocol**

**Matériels et systèmes de téléconduite –
Partie 6-503: Protocoles de téléconduite compatibles avec les normes ISO
et les recommandations de l'UIT-T – Services et protocole TASE.2**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

TELECONTROL EQUIPMENT AND SYSTEMS –

**Part 6-503: Telecontrol protocols compatible with
ISO standards and ITU-T recommendations –
TASE.2 Services and protocol**

FOREWORD

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International Standard IEC 60870-6-503 has been prepared by IEC technical committee 57: Power systems management and associated information exchange.

This third edition cancels and replaces the second edition published in 2002 and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- the following objects were made informative: Accounts, Programs, Event Enrollment, and Event Condition;
- services associated with the informative objects were made informative;
- the TASE.2 conformance blocks 6, 7, 8, and 9 have been made out-of-scope.

The text of this standard is based on the following documents:

FDIS	Report on voting
57/1453/FDIS	57/1477/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 60870 series, published under the general title *Telecontrol equipment and systems*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
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