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Komunikacijska omrežja in sistemi za avtomatizacijo porabe električne energije - 7-420. del: Osnovna komunikacijska struktura - Porazdeljeni energijski viri in logična vozlišča avtomatizacije distribucije

Communication networks and systems for power utility automation - Part 7-420: Basic communication structure - Distributed energy resources and distribution automation logical nodes

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Communication networks and systems for power utility
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Distributed energy resources and distribution automation logical
nodes
(IEC 61850-7-420:2021)

Réseaux et systèmes de communication pour
l'automatisation des systèmes électriques - Partie 7-420:
Structure de communication de base - Ressources
énergétiques décentralisées et nœuds logiques
d'automatisation de la distribution
(IEC 61850-7-420:2021)

Kommunikationsnetze und -systeme für die
Automatisierung in der elektrischen Energieversorgung -
Teil 7-420: Grundlegende Kommunikationsstruktur-verteilte
Energieerzeuger und und logische Knoten der
Verteilungsautomation
(IEC 61850-7-420:2021)

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European Committee for Electrotechnical Standardization
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61850-7-420:2021 (E)**European foreword**

The text of document 57/2392/FDIS, future edition 2 of IEC 61850-7-420, 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 IEC 61850-7-420:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-08-17 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-11-17 document have to be withdrawn

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The text of the International Standard IEC 61850-7-420:2021 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61400-25-2 NOTE Harmonized as EN 61400-25-2

IEC 61850-7-410 NOTE Harmonized as EN 61850-7-410

IEC 62933 (series) NOTE Harmonized as EN IEC 62933 (series)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where 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 61557-12	2018	Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 12: Power metering and monitoring devices (PMD)	FprEN 61557-12 ¹	2018
IEC/TS 61850-2	-	Communication networks and systems for power utility automation - Part 2: Glossary	-	-
IEC 61850-7-2	2010	Communication networks and systems for power utility automation - Part 7-2: Basic information and communication structure - Abstract communication service intervanace (ACSI)	EN 61850-7-2	2010
/AMD1	2020		/A1	2020
IEC 61850-7-3	2010	Communication networks and systems for power utility automation - Part 7-3: Basic communication structure - Common data classes	EN 61850-7-3	2011
/AMD1	2020		/A1	2020
IEC 61850-7-4	2010	Communication networks and systems for power utility automation - Part 7-4: Basic communication structure - Compatible logical node classes and data object classes	EN 61850-7-4	2010
/AMD1	2020		/A1	2020
IEC/TS 62786	-	Distributed energy resources connection with the grid	-	-

¹ At draft stage.

EN IEC 61850-7-420:2021 (E)

IEEE 1547	2018	IEEE Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces	-	-
ISO 4217	-	Codes for the representation of currencies and funds	-	-
		Requirements for generating plants to be connected in parallel with distribution networks	EN 50549	series

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iTeh STANDARD

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Part 7-420: Basic communication structure – Distributed energy resources and
distribution automation logical nodes**

**Réseaux et systèmes de communication pour l'automatisation des systèmes
électriques –**

**Partie 7-420: Structure de communication de base – Ressources énergétiques
décentralisées et nœuds logiques d'automatisation de la distribution**

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