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BSI Standards Publication

Overhead electrical lines exceeding AC 1 kV

Part 2-24: National Normative Aspects (NNA) for
Romania (based on EN 50341-1:2012)

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National foreword

This British Standard is the UK implementation of EN 50341-2-24:2019.

This standard, together with the following list of National Normative Aspect standards, supersedes BS EN 50423-3:2005 and BS EN 50341-3:2001.

Country Code	Origin	Ref
AT	Austrian National Committee	BS EN 50341-2-1
BE	Belgian National Committee	BS EN 50341-2-2:2019
CH	Swiss National Committee	BS EN 50341-2-3
DE	German National Committee	BS EN 50341-2-4:2019
DK	Danish National Committee	BS EN 50341-2-5:2017
ES	Spanish National Committee	BS EN 50341-2-6:2017
FI	Finnish National Committee	BS EN 50341-2-7:2015
FR	French National Committee	BS EN 50341-2-8:2017
GB	British National Committee	BS EN 50341-2-9:2017+A1:2018
GR	Greek National Committee	BS EN 50341-2-10
IE	Irish National Committee	BS EN 50341-2-11
IS	Iceland National Committee	BS EN 50341-2-12:2018
IT	Italian National Committee	BS EN 50341-2-13:2017+A1:2017
LU	Luxemburg National Committee	No NNA available
NL	Nederland's National Committee	BS EN 50341-2-15:2019
NO	Norwegian National Committee	BS EN 50341-2-16:2016
PT	Portuguese National Committee	BS EN 50341-2-17
SE	Swedish National Committee	BS EN 50341-2-18:2016
CZ	Czech National Committee	BS EN 50341-2-19:2015
EE	Estonian National Committee	BS EN 50341-2-20:2018
PL	Polish National Committee	BS EN 50341-2-22:2016
SI	Slovak National Committee	BS EN 50341-2-23:2016
RO	Romanian National Committee	BS EN 50341-2-24:2019

BS EN 50423-3:2005 and BS EN 50341-3:2001 will be withdrawn upon publication of the rest of the series.

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The UK participation in its preparation was entrusted to Technical Committee PEL/11, Overhead Lines.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

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EUROPÄISCHE NORM

February 2019

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English Version

Overhead electrical lines exceeding AC 1 kV - Part 2-24:
National Normative Aspects (NNA) for Romania (based on EN
50341-1:2012)

This European Standard was approved by CENELEC on 2018-11-22.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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1. The Romanian National Committee (NC) is identified by the following address:

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Name of the relevant technical body: Romanian Technical Committee no 165 "*Overhead electrical lines*" (ASRO/CT 165 - *Linii electrice aeriene*);
Attention: Secretary of ASRO/CT 165 – Standardisation Division

2. The Romanian NC has prepared the present EN 50341-2-24 (Part-2-24), listing the Romanian National Normative Aspects under its sole responsibility and duly passed this document through the CENELEC and CLC/TC 11 procedures.

NOTE The Romanian NC takes full responsibility for the satisfactory technically correct co-ordination of the present EN 50341-2-24 with EN 50341-1:2012. Any quality control/assurance checks necessary have been performed. However, it should be noted that such quality control/assurance has been performed under the general responsibility of the Romanian NC pursuant to national laws and regulations.

3. Part-2-24 is normative in Romania and informative for the other countries.
4. Part-2-24 shall be read in conjunction with EN 50341-1:2012 (Part 1). All clause numbers used in the present Part-2-24 correspond to the numbering in Part 1. Specific sub-clauses that are prefixed "RO" shall be read as amendments to the relevant text in Part 1. All requests for clarification relating to the application of Part-2-24 in relation to Part 1 shall be sent to the Romanian NC who will, in co-operation with CLC/TC 11, clarify the requirements.

Where no reference is made in this Part-2-24 to a specific sub-clause, then Part 1 shall apply.

5. For the "boxed values" defined in Part 1, any amended values, which are defined in Part-2-24, shall be taken into consideration in Romania. However, any boxed value, whether in Part 1 or in Part-2-24, shall not be amended in the direction of greater risk in a Project Specification.
6. The Romanian regulations and standards relating to the overhead electrical lines exceeding A.C. 1 kV, which are specifically used in the present Part 2-24, are listed in the sub-clauses 2.1/RO.2.1.1 to 2.1/RO.2.1.4.

NOTE All national standards referred to in the present Part-2-24 will be replaced by the related European Standards as they become available and are declared applicable by the Romanian NC and therefore reported to the secretariat of CLC/TC 11.

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0 Introduction

0.7 Language

(ncpt) RO.1 Language

This standard is published in English and Romanian languages.

1 Scope

1.1 General

1.1 RO.1 General

(ncpt) This Part 2-24 gives the requirements for planning, design and construction of overhead electrical lines with nominal voltages exceeding A.C. 1 kV operating at 50 Hz frequency.

The present Part 2-24 is not applicable for existing overhead electrical lines unless specifically required by Project Specification. The power installations of overhead lines, that are in different stages of design or construction, can be finalised in conformity with the standards in force at project beginning.

For the application of this standard for specific requirements relating to modernization, increasing safety and transport capacity of existing overhead lines, reference shall be specified in the Project Specification. At the same time, the correlation between relevant regulations and associated standards shall be established in the Project Specifications.

The extension of existing electrical lines is considered as new overhead lines, except the junction points that shall be detailed in the Project Specifications.

1.2 Field of application

1.2 RO.1 Overhead electrical lines with insulated conductors

(ncpt) This Part 2-24 is applicable for the design and construction of overhead electrical lines with insulated conductors where the internal and external clearances can be smaller than those specified in Part 1 (SR EN 50341-1:2013).

2 Normative references, definitions and symbols

2.1 Normative references

2.1 RO.1 Application of normative references in Part 1

(A-dev) The normative references in Part 1 (SR EN 50341-1:2013) are applicable, unless otherwise specified in this Part 2-24. In Romania, for purpose of Part 2-24, the Eurocodes series given in sub-clause 2.1 of Part 1, that are adopted as national standards, shall mandatory apply.

2.1 RO.2 References to Romanian national laws, regulations and standards

(A-dev) The following national acts and normative documents contain provisions for planning, design, construction and mounting of the overhead electrical lines. These national acts and normative documents (technical regulations, standards and codes of practice) are referred to in the text in such way that some or all their content constitute requirements of this Part 2-24 and are indispensable for its application. At the time of publication, the editions indicated were valid.

Having in view that all normative documents are subject to revision, the parties to agreements based on this standard shall investigate the possibility of using the latest edition of referenced documents.