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**BS EN 50341-2-19:2015**



**BSI Standards Publication**

# **Overhead electrical lines exceeding AC 1 kV**

Part 2-19: National Normative Aspects (NNA)  
for CZECH REPUBLIC

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This British Standard is the UK implementation of EN 50341-2-19:2015.

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
CH	Swiss National Committee	BS EN 50341-2-3
DE	German National Committee	BS EN 50341-2-4
DK	Danish National Committee	BS EN 50341-2-5
ES	Spanish National Committee	BS EN 50341-2-6
FI	Finnish National Committee	BS EN 50341-2-7
FR	French National Committee	BS EN 50341-2-8
GB	British National Committee	BS EN 50341-2-9
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
IT	Italian National Committee	BS EN 50341-2-13
LU	Luxemburg National Committee	No NNA available
NL	Nederland's National Committee	BS EN 50341-2-15
NO	Norwegian National Committee	BS EN 50341-2-16
PT	Portuguese National Committee	BS EN 50341-2-17
SE	Swedish National Committee	BS EN 50341-2-18
CZ	Czech National Committee	BS EN 50341-2-19:2015
EE	Estonian National Committee	BS EN 50341-2-20:2015
SI	Slovak National Committee	BS EN 50341-2-21
PL	Polish National Committee	BS EN 50341-2-22

BS EN 50423-3:2005 and BS EN 50341-3:2001 will be withdrawn upon publication of the rest of the series.

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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## EUROPÄISCHE NORM

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Overhead electrical lines exceeding AC 1 kV - Part 2-19:  
National Normative Aspects (NNA) for CZECH REPUBLIC  
(based on EN 50341-1:2012)

This European Standard was approved by CENELEC on 2015-04-07.

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, 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: Avenue Marnix 17, B-1000 Brussels**

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1. The Czech National Committee (NC) is identified by the following address :  
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Gorazdova 24, P.O.Box 49 tel: ++420 224 907 111  
128 01 PRAHA 2 fax: ++420 221 802 301  
Czech Republic
2. The Czech National Committee has prepared this Part 2–19 (EN 50341-2-19) listing the Czech National Normative Aspects (NNA) under its sole responsibility and duly passed this document through the CENELEC and CLC/TC11 procedures.  
  
NOTE The Czech National Committee also takes sole responsibility for the technically correct co-ordination of this EN 50341-2-19 with EN 50341-1. It has performed the necessary checks in the frame of quality assurance/control. However, it is noted that this quality assurance/control has been made in the framework of the general responsibility of The Czech National Committee under the national laws/regulations.
3. This EN 50341-2-19 is normative in the Czech Republic and informative for other countries.
4. This EN 50341-2-19 has to be read in conjunction with EN 50341-1, hereinafter referred as Part 1. All clause numbers used in Part 2–19 correspond to those of Part 1. Specific subclauses which are prefixed CZ are to be read as amendments to the relevant text in Part 1. Any necessary clarification regarding the application of Part 2–19 in conjunction with Part 1 shall be referred to the Czech Office for Standards, Metrology and Testing that will, in co-operation with CLC/TC11, clarify the requirements. When no reference is made in Part 2–19 to a specific subclause, then Part 1 applies.
5. In the case of “boxed values“ defined in Part 1, amended values (if any) which are defined in Part 2–19 shall be taken into account in the Czech Republic.  
  
However, any “boxed values” whether in Part 1 or Part 2-19, shall not be amended in direction of greater risk in the Project Specification.
6. The national Czech standards/regulations, regarding overhead lines exceeding 1 kV AC, are listed in 2.1/CZ.2 and 2.1/CZ.3.

NOTE All national standards referred to in this Part 2–19 will be replaced by the relevant European Standards as soon as they become available and are declared by the Czech Office for Standards, Metrology and Testing to be applicable and thus reported to the secretary of CLC/TC11.



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## **1.1 General**

### **(ncpt) CZ.1 New overhead line**

The new overhead line is considered a brand new electric overhead line with nominal voltage exceeding 1 kV AC, between the points A and B.

The new branch line of the existing overhead line shall be considered a new overhead line except for a junction support for which the specific requirements shall be defined in the Project Specification.

The extent of application of this standard in respect of reconstruction, relaying and extension of existing overhead lines shall be determined in the Project Specification. Simultaneously, the Project Specification shall determine, which of the previous national standards shall be used and to what extent they shall be used for the project in question.

## **1.2 Field of application**

### **(ncpt) CZ.1 Field of application**

The requirements of this standard shall be adopted, where applicable (e.g. requirements on loads, external clearances, etc.), for telecommunication cables as well.

In case of overhead line under the design stage, parties concerned shall agree the extent of the application of this standard.

Overhead line under construction may be completed according to standards valid during the design stage of the line. The parties concerned shall agree any possible application of certain clauses of this standard.

### **(ncpt) CZ.2 Installation of telecommunication equipment on supports**

Provisions of this standard also apply to the telecommunication equipment and devices (aerials, dish antennas, etc.) which are installed on individual supports of overhead power lines, especially in terms of wind and ice loads on such installed equipment. Design and installation has to respect requirements of the utility operating the line in question. The design of such telecommunication equipment has to incorporate such technical solutions and such precautions, which shall allow safe access and maintenance of both a power line and telecommunication equipment, and which shall provide protection of persons performing repairs or maintenance of the power line and/or telecommunication equipment against electric shock and protection of telecommunication equipment and attached installations against the influence of the power line (short-circuits, switching and lightning overvoltages etc.).

## **2 Normative references, definitions and symbols**

### **2.1 Normative references**

#### **(ncpt) CZ.1 General**

National laws, Government regulations and other binding regulations are included in following 2.1/CZ.2. International and national standards quoted in EN 50341-2-19 and not included in 2.1 EN 50341-1 are included in 2.1/CZ.3.

The set of standards included in 2.1 EN 50341-1 under a common title of Eurocodes is valid in the Czech Republic including the Czech National Application documents related to relevant standards, unless EN 50341-1 and/or these Czech National Normative Aspects (EN 50341-2-19) specify otherwise.

NOTE Some EN, IEC, ISO and CISPR International Standards and publications implemented as Czech National Standards – ČSN EN, ČSN IEC, ČSN ISO and ČSN CISPR – include informative notes and informative annexes useful in the Czech Republic.