

<b>STN</b>	<b>Vonkajšie elektrické vedenia so striedavým napätím nad 1 kV Časť 2-2: Národné normatívne hľadiská (NNA) pre BELGICKO (založené na EN 50341-1: 2012)</b>	<b>STN EN 50341-2-2</b>  33 3300
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Overhead electrical lines exceeding AC 1 kV - Part 2-2: National Normative Aspects (NNA) for Belgium (based on EN 50341-1:2012)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

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Overhead electrical lines exceeding AC 1 kV - Part 2-2: National  
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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

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## European foreword

- 1 The Belgian National Committee (NC) is identified by the following address:

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- 2 The Belgian NC has prepared this Part 2-2 (EN 50341-2-2) listing the Belgian National Normative Aspects (NNA), under its sole responsibility, and duly passed it through the CENELEC and CLC/TC11 procedures.

NOTE The Belgian NC also takes sole responsibility for the technically correct co-ordination of this NNA with EN 50341-1. It has performed the necessary checks in the frame of quality assurance/control. However, it is noted that this quality control has been made in the framework of the general responsibility of a standards committee under the national laws/regulations.

- 3 This NNA is normative in Belgium and informative for other countries.

- 4 This NNA has to be read in conjunction with Part 1 (EN 50341-1). All clause numbers used in this NNA correspond to those of Part 1. Specific subclauses, which are prefixed "BE", are to be read as amendments to the relevant text in Part 1. Any necessary clarification regarding the application of this NNA in conjunction with Part 1 shall be referred to the Belgian NC who will, in co-operation with CLC/TC11, clarify the requirements.

Where no reference is made in this NNA to a specific subclause, then Part 1 applies.

- 5 In case of "boxed values" defined in Part 1, amended values (if any), which are defined in this NNA shall be taken into account in Belgium.

However, any boxed value, whether in Part 1 or this NNA, shall not be amended in the direction of greater risk in a Project Specification.

- 6 The national Belgian standards/regulations related to overhead electrical lines exceeding 1 kV (AC) are listed in subclauses 2.1/BE.1 and BE.2.

Only significant extracts and summaries of the Belgian national regulations are presented in the A-deviations. They must be read in conjunction with the Belgian national regulations identified in 2.1/BE.1 which is in any case the relevant document.

NOTE All national standards referred to in this NNA will be replaced by the relevant European Standards as soon as they become available and are declared by the Belgian NC to be applicable and thus reported to the secretary of CLC/TC11.

- 7 Supplementary requirements in this NNA in addition to the part 1 are indicated by preceding the corresponding paragraphs by (snc) or (ncpt).

Paragraphs preceded by (A-dev) are required by national law: i.e. the General Regulations of the Electrical Installations (GREI).

**1 Scope****1.1 General****BE.1 Scope of Part 1 and Part 2-2**

(ncpt) Part 1 and the present Part 2-2 are only applicable to completely new or completely replaced overhead lines between two points, A and B, as well as to new supports on new foundations with nominal voltages above AC 50 kV.

(A-dev) Overhead lines or supports with nominal voltages exceeding AC 1 kV up to and including AC 50 kV are treated as a high voltage of the first category in the General Regulations of the Electrical Installations (GREI) and follow completely the GREI for their dimensioning.

**1.2 Field of application****(ncpt) BE.1 Application to telecommunication equipment**

Part 1 and this NNA apply to telecommunication equipment mounted on the new supports (e.g. dishes, antennas), particularly with respect to wind assumptions.

**2 Normative references, definitions and symbols****2.1 Normative references****(A-dev) BE.1 National regulations**

The General Regulations of the Electrical Installations (GREI) are given by the Belgian Royal Decree of March 1981 (latest issue) which has been published in the Belgian Statute Book of 29 April 1981.

The installations for transmission and distribution of electrical energy are covered in Book 3 after the restructuring of the GREI in 2019. The articles as mentioned in this NNA must therefore be translated to corresponding sections to find the relevant extracts.

**(ncpt) BE.2 National standards**

<b>Reference</b>	<b>Title</b>
NBN B21-602	<i>Poteaux préfabriqués en béton pour supports de lignes aériennes – Spécifications d'application en complément à la NBN EN 12843: Produits préfabriqués en béton – Mâts et poteaux</i>
NBN C34-100	<i>Solid and stranded conductors for overhead lines for power transmission</i>
NBN EN 1090-2	<i>Execution of steel structures and aluminium structures – Part 2: Technical requirements for steel structures</i>
	<i>Hot rolled products of structural steels</i>
NBN EN 10025-1	<i>Part 1: General technical delivery conditions</i>
NBN EN 10025-2	<i>Part 2: Technical delivery conditions for non-alloy structural steels</i>
NBN EN 10025-3	<i>Part 3: Technical delivery conditions for normalized rolled weldable fine grain structural steels</i>
NBN EN 10027-1	<i>Designation systems for steels – Part 1: Steel names</i>
	<i>Structural steel equal and unequal leg angles</i>
NBN EN 10056-1	<i>Part 1: Dimensions</i>
NBN EN 10056-2	<i>Part 2: Tolerances on shape and dimensions</i>



NBN EN 1993-1-6 *Eurocode 3 – Design of steel structures – Part 1-6: Strength and stability of shell structures*

(ncpt) **BE.3 Other publications**

- [1] 1999/519/EC: “*Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)*”, Official Journal of the European Communities L199, 30/07/1999.
- [2] BBRI: “*Guidelines for the application of the Eurocode 7 in Belgium according to NBN EN 1997-1 ANB. Part 1: geotechnical design in the ultimate limit state (ULS) of axially loaded piles based on cone penetration tests (CPT)*”, Belgian Building Research Institute, Report n° 19, 2016.

**2.3 Symbols**

<b>Symbol</b>	<b>Signification</b>	<b>Reference</b>
$C_{prob}$	Probability factor	3.2.2/BE.3
$D_v$	Proximity zone clearance	5.9.1/BE.1
$F_{mob}$	Mobile load	4.9.1/BE.2
$k_t$	Turbulence factor	4.3.4/BE.1
$x$	Upstream distance	4.3.2/BE.3

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**