

EUROPEAN STANDARD

EN 50341-2-6

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2017

ICS 29.240.20

English Version

**Overhead electrical lines exceeding AC 1 kV - Part 2-6:
National Normative Aspects (NNA) for SPAIN
(based on EN 50341-1:2012)**

Lignes électriques aériennes dépassant 1 kV en courant
alternatif - Partie 2-13: Aspects normatifs nationaux
(NNA) pour l'ESPAGNE (basé sur l'EN 50341-1:2012)

This European Standard was approved by CENELEC on 2017-02-01.

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Europäisches Komitee für Elektrotechnische Normung

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European foreword

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

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Name of the relevant technical body: AEN/CTN 207/SC 7-11 “Líneas eléctricas aéreas” (Overhead power lines)

- 2 The Spanish NC and its technical body AEN/CTN 207/SC 7-11 “Overhead power lines” has prepared this Part 2-6 of EN 50341, listing the Spanish National Normative Aspects (NNA) under its sole responsibility, and duly passed it through the CENELEC and CLC/TC 11 procedures.

NOTE: The Spanish NC also takes sole responsibility for the technically correct co-ordination of this EN 50341-2-6 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 Part 2-6 is normative in Spain and informative in other countries.

- 4 This document shall be read in conjunction with Part 1 (EN 50341-1). All clause numbers used in this NNA correspond to those of Part 1. Specific sub-clauses that are prefixed “ES”, are to be read as amendments to the relevant text in Part 1. Any necessary clarification regarding the application of this combined NNA in conjunction with Part 1 shall be referred to the Spanish NC who will, in co-operation with CLC/TC 11, clarify the requirements.

When no reference is made in this NNA to a specific sub-clause, 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 Spain.

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

- 6 The national Spanish standards/regulations related to overhead electrical lines exceeding 1 kV A.C. are listed in sub-clause 2.1/ES.1 and ES.2.

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 Spanish NC to be applicable and thus reported to the secretary of CLC/TC 11.

- 7 The Spanish NC declares, in accordance with sub-clause 4.1 of Part 1, that “Approach 3” shall be used in Spain to establish numerical values of actions.

1 Scope

1.1 General

(ncpt) ES.1 General

This NNA is applicable to any new line between two points, A and B, its modifications and extensions.

1.2 Field of application

(A-dev) ES.1 RD 223/2008, ITC-LAT 08, sub-clause 6.3.2

The design and construction of overhead lines with covered conductors and voltages greater than 45 kV shall respect the same electrical clearances as of overhead lines with bare conductors of the same voltage.

2 Normative references, definitions and symbols

2.1 Normative references

(A-dev) ES.1 National normative regulations

Royal Decree (RD) 223/2008, of 15th February 2008, approving the Regulation on technical and safety conditions for high voltage electrical lines and its Supplementary Technical Instructions ITC-LAT 01 to 09

Royal Decree (RD) 337/2014, of 9th May 2014, approving the Regulation on technical and safety conditions for high voltage power installations and its Supplementary Technical Instructions ITC-RAT 01 to 23

Royal Decree (RD) 614/2001, of 8th June 2001, establishing the minimum health and safety requirements for the protection of workers against the electrical risk

Royal Decree (RD) 1955/2000, of 1st December 2000, regulating the activities of transmission, distribution, marketing and supply of electrical energy and the procedures for the authorization of installations

(ncpt) ES.2 National normative standards

UNE 207016 *"HV and HVH type concrete poles for overhead electrical lines"*

UNE 207017 *"Lattice steel towers for distribution overhead electrical lines"*

UNE 207018 *"Plate metallic supports for overhead electrical lines"*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN