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NSAI Standards

Irish Standard
I.S. EN 50341-2-12:2018

Overhead electrical lines exceeding AC 1 kV - Part 2-12: National Normative Aspects (NNA) for ICELAND (based on EN 50341-1:2012)

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I.S. EN 50341-2-12:2018

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National Foreword

I.S. EN 50341-2-12:2018 is the adopted Irish version of the European Document EN 50341-2-12:2018, Overhead electrical lines exceeding AC 1 kV - Part 2-12: National Normative Aspects (NNA) for ICELAND (based on EN 50341-1:2012)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50341-2-12

December 2018

ICS 29.240.20

English Version

Overhead electrical lines exceeding AC 1 kV - Part 2-12: National Normative Aspects (NNA) for ICELAND (based on EN 50341-1:2012)

This European Standard was approved by CENELEC on 2018-11-26.

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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European Foreword

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

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Staðlaráð Íslands
Þórunnartúni 2
105 Reykjavík
Iceland
Tel. +354 520 7150
Fax +354 520 7171
Web http://www.stadlar.is

2 The Icelandic NC has prepared this Part 2-12 of EN 50341-1:2012 listing the Icelandic National Normative Aspects (NNA), under its sole responsibility, and duly passed it through the CENELEC and CLC/TC 11 procedures.

Note 1: The Icelandic NC also takes sole responsibility for the technically correct co-ordination of this EN 50341-2-12 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 EN 50341-2-12 is normative in Iceland and informative for other countries.

4 This Part 2-12 has to be read in conjunction with EN 50341-1, hereinafter referred to as Part 1. All clause numbers used in this Part 2-12 correspond to those of Part 1. Specific subclauses, which are prefixed “IS”, are to be read as amendments to the relevant text in Part 1. Any necessary clarification regarding the application of Part 2-12 in conjunction with Part 1 shall be referred to the Icelandic NC who will, in co-operation with CLC/TC 11 clarify the requirements.

When no reference is made in Part 2-12 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 2-12 shall be taken into account in Iceland.

However, any boxed value, whether in Part 1 or Part 2-12, shall not be amended in the direction of greater risk in a Project Specification.

6 The national Icelandic standards/regulations related to overhead electrical lines exceeding 1 kV (AC) are listed in subclause 2.1/IS.1.

NOTE All national standards referred to in this Part 2-12 will be replaced by the relevant European Standards as soon as they become available and are declared by the Icelandic NC to be applicable and thus reported to the secretary of CLC/TC 11.

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1 Scope

1.1 General

1.1 **IS.1 Application to new lines**

(snc) This Part 2-12 is only applicable to new overhead transmission lines exceeding 1 kV (AC). If deviations and/or extensions to existing transmission lines are planned, the Icelandic NC shall be informed and will decide case by case whether ÍST EN 50341 is applicable or not.

2 Normative references, definitions and symbols

2.1 Normative references

2.1 **IS.1 National normative laws and government regulations:**

(A-dev)

- Lög nr. 146/1996 um öryggi raforkuvirkja, neysluveitna og raffanga. *Act no. 146/1996 on the Safety of Electrical Installations, Consumer Apparatus and Electrical Materials.*
- Reglugerð um raforkuvirki nr. 678/2009, með áorðnum breytingum. *The Electrical Regulation no. 678/2009, with later changes.*
- Reglugerð um hávaða nr. 724/2008, með áorðnum breytingum. *The Regulation on noise no. 724/2008, with later changes.*

3 Basis of design

3.2 Requirements of overhead lines

3.2.2 Reliability requirements

3.2.2 **IS.1 Reliability requirements**

(snc) Three reliability levels are used for new transmission lines as shown in the following table:

Table 3.2.2/IS.1 Reliability levels

Reliability level	Voltage	Transmission lines
1	≤ 45 kV	Normal lines
	> 45 kV and ≤ 132 kV	Less important lines
2	≤ 45 kV	Very important lines
	> 45 kV and ≤ 132 kV	Normal lines
	> 132 kV and ≤ 400 kV	Less important lines
3	< 220 kV	Very important lines
	≥ 220 kV	Normal lines
Level 3 shall be used in built up or urban areas for lines ≥ 132 kV		

Level of importance shall be defined in Project Specification.

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