BSI Standards Publication

Overhead electrical lines exceeding AC 1 kV

Part 2-1: National Normative Aspects (NNAs) for Austria (based on EN 50341-1:2012)

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National foreword

This British Standard is the UK implementation of EN 50341-2-1:2022. It supersedes BS EN 50341-2-1:2020, which is withdrawn.

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 committee manager.

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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 Austrian National Committee is identified by the following address:

Austrian Electrotechnical Association
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Eschenbachgasse, 9
A - 1010 Vienna
Austria
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Name of the relevant technical body: TK-L Starkstromfreileitungen und Verlegung von Energiekabeln (Overhead power lines)

2 The Austrian NC and its technical body TK-L “Overhead power lines” of Austrian Electrotechnical Association (OVE) prepared this Part 2-1 of EN 50341, listing the Austrian National Normative Aspects (NNA) under its sole responsibility, and duly passed it through the CENELEC and CLC/TC 11 procedures.

NOTE The Austrian NC also takes sole responsibility for the technically correct co-ordination of this EN 50341-2-1:2020 with EN 50341-1:2012. It performed the necessary checks in the frame of quality assurance/control. However, it is noted that this quality control was made in the framework of the general responsibility of a standards committee under the national laws/regulations.

3 This EN 50431-2-1, hereafter referred to as Part 2-1, is normative in Austria and informative in other countries.

4 This Part 2-1 shall be read in conjunction with EN 50341-1, hereafter referred to as Part 1. All clause numbers used in this NNA correspond to those of Part 1. Specific subclauses, which are prefixed “AT”, shall 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 Austrian NC who will, in co-operation with CLC/TC 11, clarify the requirements.

When 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 Part 2-1 shall be taken into account in Austria.

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

6 The National Austrian standards/regulations related to overhead electrical lines exceeding 1 kV AC are listed in 2.1 of this Part 2-1.

NOTE All national standards referred to in this Part 2-1 will be replaced by the relevant European Standards as soon as they become available and are declared by the austrian NC to be applicable and thus reported to the secretary of CLC/TC 11.

1.1 General

(A-dev) AT.1: A new overhead line is defined as the new construction of the totality of all conductors, their supports together with foundations, earthing grid, insulators, accessories and fittings used for the overground transport of electrical energy between two points A and B.

1.2 Field of application

(A-dev) AT.1: Stranded-conductors or cable structures with telecommunications components carried on the line that do not simultaneously function as earth wires or stranded conductors are subject to the provisions of Annex U.

2 Normative references, definitions and symbols

2.1 Normative references

(A-dev) AT.1: Normative references and other publications

Reference	*Title*
ÖNORM B 1990-1	*Eurocode - Basis of structural design - Part 1: Building construction - National specifications concerning ÖNORM EN 1990 and national supplements*
ÖNORM B 1991-1-4	*Eurocode 1: Actions on structures - Part 1-4: General actions - Wind actions - National specifications concerning ÖNORM EN 1991-1-4 and national supplements*
ÖNORM B 1992-1-1	*Eurocode 2 - Design of concrete structures - Part 1-1: General rules and rules for buildings - National specifications concerning ÖNORM EN 1992-1-1, national comments and national supplements*
ÖNORM B 1997-1-1	*Eurocode 7: Geotechnical design - Part 1: General rules - National specifications concerning ÖNORM EN 1997-1 and national supplements*
ÖNORM B 1997-1-3	*Eurocode 7 - Geotechnical design - Part 1-3: Pile foundations*
ÖNORM E 4007	*Electrical overhead lines; galvanized steel stranded conductors*
ÖNORM E 4101	*Electrical overhead lines; pin insulators type VHD and type VHD-G*
ÖNORM E 4102	*Electrical overhead lines; solid core line post insulators VKSt and VKS*
ÖNORM E 4104	*Electrical overhead lines; ball and socket; coupling dimensions*
ÖNORM E 4125	*Electrical overhead lines; ball and socket; IEC-coupling dimensions*
ÖNORM EN 1090-1	*Execution of steel structures and aluminium structures - Part 1: Assessment and verification of constancy of performance of steel components and aluminium components for structural use*
ÖNORM EN 1090-2	*Execution of steel structures and aluminium structures - Part 2: Technical requirements for steel structures*
ÖNORM EN 12929-1	*Safety requirements for cableway installations designed to carry persons - General requirements - Part 1: Requirements for all installations*
ÖNORM EN 1991-1-4	*Eurocode 1: Actions on structures - Part 1-4: General actions - Wind actions*
ÖNORM EN 1992-1-1	*Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings*
ÖNORM EN 1993-1-1	*Eurocode 3: Design of steel structures - Part 1-1: General rules and rules for buildings*