PD IEC/TR 62713:2013

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Safety procedures for reduction of risk outside a structure

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colour inside

Safety procedures for reduction of risk outside a structure

Procédures de sécurité pour la réduction des risques à l'extérieur d'une structure

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SAFETY PROCEDURES FOR REDUCTION OF RISK OUTSIDE A STRUCTURE

FOREWORD

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IEC/TR 62713, which is a technical report, has been prepared by IEC technical committee 81: Lightning protection.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
81/427/DTR	81/429/RVC

Full information on the voting for the approval of this technical report can be found in the report on voting indicated in the above table.

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The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
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INTRODUCTION

IEC/TR 62713, which is a technical report, is informative, with the purpose of giving the lay person, i. e. a non-specialist in lightning protection and a non-medically trained person, appropriate action to reduce risk from lightning to people outside fixed structures, i. e. in a variety of everyday outdoor activities, including immediate action to take in the event of a person being injured by lightning. Part of these precautions includes taking shelter in either a lightning protected structure or an unprotected structure. Any action in the long term to ensure that such structures are suitably protected should be designed by a lightning protection specialist based on the requirements of the appropriate parts of IEC 62305 as listed in the normative references of this report. It is not the purpose of this report to quantify the risk reduction achieved by taking the precautions suggested in it.

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SAFETY PROCEDURES FOR REDUCTION OF RISK OUTSIDE A STRUCTURE

1 Scope

This technical report introduces lightning to the layman, noting the right action in the presence of thunderstorms, as well as protective measures against lightning. It also contributes to the prevention of lightning injuries and damages.

It should be noted that so far there are no means to avoid lightning. However, by following some elementary rules, people can be protected against its deleterious effects.

2 Normative references

None.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
aphasia
inability to express thought in words or inability to understand thought as expressed in spoken or written words or others

3.2
apnoea
cessation of breathing, asphyxia

3.3
arrhythmia
irregularity of the heartbeat

3.4
asystolic
relating to the inability of the heart to empty itself

3.5
ataxia
inability to co-ordinate voluntary movements

3.6
barotrauma
damage to the ears caused by rapid change of pressure

3.7
bradycardia
slowness of the heartbeat

3.8
bronchospasm
sustained involuntary muscular contractions of the windpipe

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