SLOVENSKI STANDARD
kSIST FprEN 50554:2010

01-april-2010

Osnovni standard za terensko ocenjevanje mesta oddajanja v zvezi z izpostavljenostjo ljudi elektromagnetnim sevanjem

Basic standard for the in-situ assessment of a broadcast site related to general public exposure to radio frequency electromagnetic fields

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SIST EN 50554:2011
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ICS:

13.280	Varstvo pred sevanjem	Radiation protection
17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities

kSIST FprEN 50554:2010 **en**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

FINAL DRAFT
FprEN 50554

January 2010

ICS

English version

Basic standard for the in-situ assessment of a broadcast site related to general public exposure to radio frequency electromagnetic fields

To be completed

To be completed

This draft European Standard is submitted to CENELEC members for Unique Acceptance Procedure.
Deadline for CENELEC: 2010-07-02.

It has been drawn up by CLC/TC 106X.

If this draft becomes a European Standard, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CENELEC in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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Draft

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

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Project: 16683 Ref. No. FprEN 50554:2010 E

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Foreword

This draft European Standard was prepared by the Technical Committee CENELEC TC 106X, Electromagnetic fields in the human environment. It is submitted to the Unique Acceptance Procedure.

The following dates are proposed:

– latest date by which the existence of the EN has to be announced at national level	(doa)	dor + 6 months
– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	dor + 12 months
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	dor + 36 months (to be confirmed or modified when voting)

Draft for vote
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1 Scope

This basic standard specifies the method for assessing overall exposure from fixed radio frequency sources at a broadcast site. This assessment may be applied at any time but must be carried out when the exposure situation changes in or around this site.

It plays an essential role in the coordination of different stakeholders, with respect to ensuring EMF exposure compliance in and around a broadcast site especially for equipment installed within the site

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50383, *Basic standard for the calculation and measurement of electromagnetic field strength and SAR related to human exposure from radio base stations and fixed terminal stations for wireless telecommunication systems (110 MHz – 40 GHz)*

EN 50413, *Basic standard on measurement and calculation procedures for human exposure to electric, magnetic and electromagnetic fields (0 Hz – 300 GHz)*

EN 50492, *Basic standard for the in-situ measurement of electromagnetic field strength related to human exposure in the vicinity of base stations*

EN 50496, *Determination of workers' exposure to electromagnetic fields and assessment of risk at a broadcast site*

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3 Terms and definitions

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

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3.1
basic restriction
restrictions on exposure to time-varying electric, magnetic, and electromagnetic fields that are based directly on established health effects. In the frequency range from 30 MHz to 10 GHz, the physical quantity used is the specific absorption rate. Between 10 GHz and 40 GHz, the physical quantity is the power density

3.2
broadcasting service
radiocommunication services in which the transmissions are intended for direct reception by the general public. This service may include sound transmissions, television transmissions or other types of transmission

3.3
broadcast site
site where one or more broadcast transmitters are operated

3.4
controlled area
area in which the operator may decide who is permitted to enter or remain or an area which, due to actual circumstances, the public is prohibited from entering

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