SLOVENSKI STANDARD
SIST EN 61400-12-1:2017/AC:2020

01-marec-2020

Vetrne turbine - 12-1. del: Preskušanje zmogljivosti vetrnih turbin za proizvodnjo električne energije - Popravek AC (IEC 61400-12-1:2017/COR1:2019)

Wind energy generation systems - Part 12-1: Power performance measurement of electricity producing wind turbines (IEC 61400-12-1:2017/COR1:2019)

Windenergieanlagen - Teil 12-1: Messung des Leistungsverhaltens von Windenergieanlagen (IEC 61400-12-1:2017/COR1:2019)

Systèmes de génération d'énergie éolienne - Partie 12-1: Mesures de performance de puissance des éoliennes de production d'électricité (IEC 61400-12-1:2017/COR1:2019)

Ta slovenski standard je istoveten z: **EN 61400-12-1:2017/AC:2019-12**

ICS:

27.180	Vetrne elektrarne	Wind turbine energy systems

SIST EN 61400-12-1:2017/AC:2020 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61400-12-1:2017 /AC:2019-12

December 2019

ICS 27.180

English Version

Wind energy generation systems - Part 12-1: Power performance measurement of electricity producing wind turbines (IEC 61400-12-1:2017/COR1:2019)

Systèmes de génération d'énergie éolienne - Partie 12-1: Mesures de performance de puissance des éoliennes de production d'électricité (IEC 61400-12-1:2017/COR1:2019)

Windenergieanlagen - Teil 12-1: Messung des Leistungsverhaltens von Windenergieanlagen (IEC 61400-12-1:2017/COR1:2019)

This corrigendum becomes effective on 20 December 2019 for incorporation in the English language version of the EN.

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

Ref. No. EN 61400-12-1:2017/AC:2019-12 E

Endorsement notice

The text of the corrigendum IEC 61400-12-1:2017/COR1:2019 was approved by CENELEC as EN 61400-12-1:2017/AC:2019-12 without any modification.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 61400-12-1
Edition 2.0 2017-03

WIND ENERGY GENERATION SYSTEMS –
Part 12-1: Power performance measurements of electricity producing wind turbines

IEC 61400-12-1
Édition 2.0 2017-03

SYSTEMES DE GENERATION D'ENERGIE EOLIENNE –
Partie 12-1: Mesures de performance de puissance des éoliennes de production d'électricité

CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

E.2.3 Basis for the uncertainty assessment

Replace the existing Equation (E.8) by the following new equation:

$$u_{\mathrm{AEP}}^2 = N_{\mathrm{h}}^2\left(\sum_{i=1}^{N} f_i^2\left(s_{\mathrm{P},i}^2 + c_{\mathrm{V},i}^2 s_{\mathrm{SC},i}^2\right) + \left(\sum_{i=1}^{N} f_i \sqrt{u_{\mathrm{P},i}^2 + c_{\mathrm{V},i}^2 u_{\mathrm{V},i}^2 + c_{\mathrm{T},i}^2 u_{\mathrm{T},i}^2 + c_{\mathrm{B},i}^2 u_{\mathrm{B},i}^2 + c_{\mathrm{RH},i}^2 u_{\mathrm{RH},i}^2 + c_{\mathrm{V},i}^2 u_{\mathrm{M},i}^2}\right)^2\right) \quad \text{(E.8)}$$

E.13.10 Combining uncertainties in the wind speed measurement from REWS due to wind veer across the whole rotor $u_{\mathrm{REWS,veer,i}}$

Replace the existing Equation (E.51) by the following new equation:

$$c_{m,i} = \frac{\partial v_{\mathrm{eq},i}}{\partial \varphi_{m,i}} = \sin(\varphi_{m,i})\cos^2(\varphi_{m,i})\frac{A_m}{A}\frac{v_{m,i}^3}{v_{\mathrm{eq},i}^2} \quad \text{(E.51)}$$

I.4 Classification of cup and sonic anemometers

Replace the existing Equation (I.4) by the following new equation:

$$u_{v2\,j} = (0{,}05\ \mathrm{m/s} + 0{,}005 \times U_j) \times k / \sqrt{3} \quad \text{(I.4)}$$