

**Solar Keymark Scheme rules- Annex P3**  
**Correction file for ISO 9806:2017 to be taken into account when**  
**testing**  
**collectors for Solar Keymark certification**

Date: 2023-05-12	Standard: ISO-9806:2017	SKN_N0444_Annex P3
		Correction file (EN 12975)_R3

MB/NC <sup>1</sup>	Line number (e.g. 17)	Clause/Subclause (e.g. 3.1)	Paragraph/Figure/Table/ (e.g. Table 1)	Type of comment <sup>2</sup>	Comments	Proposed change	Observations of the secretariat	
SKN		5.1	Table 1	GE/TE	The index <sup>1</sup> contains wrong content which shall not considered.  <del>f Half-exposure is required before the test. In case the heat transfer medium is in direct contact with polymeric materials, this test shall be performed at standard stagnation temperature.</del>	The index <sup>1</sup> contains wrong content which shall not considered.  <del>f Half-exposure is required before the test. In case the heat transfer medium is in direct contact with polymeric materials, this test shall be performed at standard stagnation temperature.</del>		
		24.1.2		GE/TE	The text below from Clause 24.1.2 is valid for all test methods and therefore shall be considered as part Clause 24.1.1 General.  If the value for $(\varepsilon/\alpha)$ is known from other measurements, it can be used for the modelling of the extracted power. A corresponding reference shall be given in the test report. Formula (12) allows linking the current parameters to the performance parameters defined in previous versions of this standard.	Move text to Clause 24.1.1 General. This was the intention of the WG1.		
		24.1.3		GE/TE	The text below from Clause 24.1.3 is valid for all test methods and therefore shall be considered as part of Clause 24.1.1 General.  Furthermore the following corrections shall be applied: - For collectors with concentration ration $C_R < 20$ , the use of $\eta_{0,b}$ , $K_{\theta}(\theta_L, \theta_L)$ , $K_{\theta}(\theta_L, \theta_T)$ , $K_d$ , and the coefficients $a_1$ , $a_2$ , and $a_5$ are mandatory and they shall be identified. The parameter $a_8$ maybe set to 0. - For <del>covered</del> non-WISC collectors tested with artificial wind source at a speed between 2 m/s and 4 m/s, the coefficients $a_3$ , $a_4$ , $a_6$ and $a_7$ are set to 0. - For WISC collectors or collectors with a concentration ratio $C_R < 20$ , the parameter $a_8$	The text below from Clause 24.1.3 is valid for all test methods and therefore shall be considered as part of Clause 24.1.1 General.  Furthermore the following corrections shall be applied: - For collectors with concentration ration $C_R < 20$ , the use of $\eta_{0,b}$ , $K_{\theta}(\theta_L, \theta_L)$ , $K_{\theta}(\theta_L, \theta_T)$ , $K_d$ , and the coefficients $a_1$ , $a_2$ , and $a_5$ are mandatory and they shall be identified. The parameter $a_8$ maybe set to 0. - For <del>covered</del> non-WISC collectors tested with artificial wind source at a speed between 2 m/s and 4 m/s, the coefficients $a_3$ , $a_4$ , $a_6$ and $a_7$ are set to 0. - For WISC collectors or collectors with a concentration ratio $C_R < 20$ , the parameter $a_8$ may		
SKN		Annex B4			Athens inclination is 35°	Athens inclination is 25°		

<sup>1</sup> MB = Member body / NC = National Committee (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by \*\*)

<sup>2</sup> Type of comment: ge = general te = technical ed = editorial

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					may be set to 0.	be set to 0.	
		Annex B		TE	Error in Formula	Instead of: $K_d = \frac{1}{W} \sum_{\theta, \gamma=0^\circ}^{90^\circ} K_b(\theta, \gamma) \sin \theta \cos \gamma$ and $W = \sum_{\theta, \gamma=0^\circ}^{90^\circ} \sin \theta \cos \gamma$ should be: $K_d = \frac{1}{W} \sum_{\theta=0^\circ}^{90^\circ} K_b(\theta) \sin \theta \cos \theta$ and $W = \sum_{\theta=0^\circ}^{90^\circ} \sin \theta \cos \theta$	

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