



SLOVAK NATIONAL ACCREDITATION SERVICE

Karloveská 63, 840 00 Bratislava 4, Slovak Republic

CERTIFICATE OF ACCREDITATION

No. I-029

**The Slovak National Accreditation Service based on the decision
No. 226/5446/2015/2 dated 02.02.2015 certifies that**

EKO-TERM SERVIS s.r.o.

Inspection body

Napájadlá 11/2743, 040 12 Košice

ID No.: 31 695 671

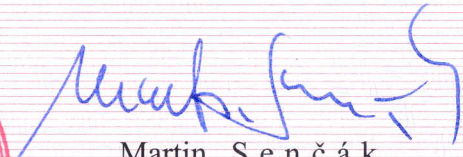
is competent to carry out inspection of compliance of automated measuring systems of emission pollutants from stationary sources of pollution in the ambient air and related references and condition parameters of waste gases (AMS-E); inspection of compliance of automated measuring systems in greenhouse gas emissions and emission measuring systems inspection within the accreditation scope delineated in the annex to this certificate. The Annex is an integral part of Certificate of Accreditation.

*The accredited body gives evidence of competence to perform the accredited activity impartially and trustworthily as **inspection body type A** by meeting the requirements of the **ISO/IEC 17020:2012** Standard.*

Accreditation granted on 02.02.2015 is valid until 10.10.2018.

Bratislava 02.02.2015




Martin Senčák
Director

Accreditation scope

Name of the accredited subject: **EKO-TERM SERVIS s r.o.**
Inspection body
 Napájadlá 11/2743, 040 12 Košice

Item no.	Subject of Inspection	Type of inspection and scope of requirements	Inspection methods and procedures
1	Automated systems measuring pollutant emissions from stationary sources of pollution in ambient air and related reference and state exhaust gases (AMS-E)		
1.1	AMS-E - general		
1.1.1		<p>Comprehensive assessment of conformity of documentation, installation, operation, evaluation and reporting of results, with the requirements of legal regulations and permits of government authorities for purposes of official proceedings</p> <p>Section 15(1h) of Act no. 137/2010 Coll. as amended by Act no. 318/2012 Coll., Section 14(3c) and 14(4 c) of the Decree of MoE SR no. 411/2012 Coll. and the respective annexes to the Decree of MoE SR no. 410/2012 Coll. as amended by Decree of MoE SR no. 270/2014 Coll., Section 15(1-5 and 9-11) of the Decree of MoE SR no. 411/2012 Coll.</p>	<p>SMEP-09-IPP (according to regulations specified in scope of the requirements) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)</i></p>
1.1.2		<p>Assessment and inspection of overall compliance of appropriateness and validity of reports, protocols, certificates or other relevant documents on the results of eligible AMS-E tests/or calibrations with regulatory requirements and permits from the government authorities for the purposes of official proceedings.</p> <p>Section 20(8 and 9) of Act no. 137/2010 Coll. as amended by Act no. 318/2012 Coll., Section 9 of the Decree of MoE SR no. 60/2011 Coll., Chapter 9 and Annex F STN EN 15259</p>	<p>SMEP-09-IPP (according to regulations specified in scope of the requirements) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)</i></p>
1.1.3		<p>Assessment and inspection of compliance of specific tests for the evaluation of the suitability of the measurement procedure based on comparison with a required measurement uncertainty</p> <p>Section 15(6) of Decree of the MoE SR no. 411/2012 Coll., Section 7(5) of Decree of the MoE SR no. 411/2012 Coll., Annex no. 8 Part III of Decree of the MoE SR no. 410/2012 Coll. as amended by Decree of MoE SR no. 270/2014 Coll., chapters 6 and 7 STN EN ISO 14956</p>	<p>SMEP-09-IPP (according to regulations specified in scope of the requirements) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)</i></p>
1.1.4		<p>Assessment and inspection of compliance of tests of intra-laboratory validation of alternative methodology/substantial changes of standardized methodology based on comparison with the reference method</p> <p>Section 15(7) of Decree of the MoE SR no. 411/2012 Coll., Section 7(5) of Decree of the MoE SR3 no. 411/2012 Coll., chapters 4 and 5 STN P CEN/TS 14793</p>	<p>SMEP-09-IPP (according to regulations specified in scope of the requirements) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)</i></p>



Item no.	Subject of Inspection	Type of inspection and scope of requirements	Inspection methods and procedures
1.1.5		Assessment and inspection of compliance with the general requirements for documentation, installation, calibration, functional testing - validation, quality control (QAL2, AST) and continuous quality assurance during operation (QAL3). Section 7(5) and Section 14 of Decree no. 411/2012 Coll., Chapter 5 STN EN 14181	SMEP-09-IPP (according to regulations specified in scope of the requirements) (Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air as amended by Act no. 318/2012 Coll.)
1.1.6		Assessment and inspection of compliance of documentation/installation with the general technical requirements for sampling. Section 15(2a) of Decree of the MoE SR no. 411/2012 Coll., Section 7(5) of Decree of the MoE SR no. 411/2012 Coll., chapter 8.4/8 STN EN 15259, chapter 5/6, 7.3 and 8 STN ISO 10396	SMEP-09-IPP (according to regulations specified in scope of the requirements) (Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air as amended by Act no. 318/2012 Coll.)
1.1.7		Assessment and inspection of compliance with the general standardized working characteristics and other normative requirements for measuring devices (analysers) before installing AMS-E (QAL1). Section 7(5) and Section 15(8) of Decree of the MoE SR no. 411/2012 Coll., Chapters 5-7/9-15 STN EN 15267-3	SMEP-09-IPP (according to regulations specified in scope of the requirements) (Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)
1.2	AMS-E - particular pollutants		
1.2.1	AMS-E sulphur dioxide (SO ₂)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7(5a-p and 5r-t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., Chapters 1 and 5/Annex A and B STN ISO 7935, Chapters 1 to 7/8 STN ISO 11042-2	SMEP-09-IPP (Annex A and B STN ISO 7935) (Chapter 8 STN ISO 11042-2) (Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)
1.2.2	AMS-E nitrogen oxides (NO _x) - nitric oxide (NO) and nitrogen dioxide (NO ₂)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7 (5a-t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., Chapters 5 to 7 STN EN 14792, Chapters 4 and 5 STN EN ISO 10849, Chapters 1 to 7 STN ISO 11042-2	SMEP-09-IPP (Chapters 8 to 13 STN EN 14792) (Chapters 6 and Annexes A and B STN ISO 10849) (Chapter 8 STN ISO 11042-2) (Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air as amended by Act no. 318/2012 Coll.)
1.2.3	AMS-E carbon monoxide (CO)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7(5a-p and 5r-t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., Chapters 5 to 7 STN EN 15058, Chapters 6 and 7 STN ISO 12039, Chapter 1 to 7 STN ISO 11042-2	SMEP-09-IPP (Chapters 8 to 13 STN EN 15058) (Chapters 8 and 9 STN EN ISO 12039) (Chapter 8 STN ISO 11042-2) (Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)
1.2.4	AMS-E organic substances in the form of gases and vapours, expressed as total organic carbon (TOC)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7(5a-p and 5r-t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., STN EN 12619, chapters 1 to 7 STN ISO 11042-2	SMEP-09-IPP (STN EN 12619 STN ISO 11042-2) (Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)
1.2.5	AMS-E mercury and its compounds, expressed as Hg	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7(5a, b and d – t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., chapters 4 to 6 STN EN 14884	SMEP-09-IPP (Chapters 7 to 9 STN EN 14884 and STN EN 14181) (Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)



Item no.	Subject of Inspection	Type of inspection and scope of requirements	Inspection methods and procedures
1.2.6	AMS-E fluorine and its gaseous compounds expressed as HF	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7(5a, b and d – t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll. Specific inspection requirements are applied according to approval to install the AMS-E, approved documentation or an approved alternative methodology of the relevant continuous measurement	SMEP-09-IPP (STN EN 15267-3, STN EN 14181) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)</i>
1.2.7	AMS-E gaseous inorganic chlorine compounds, expressed as HCl	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7(5a, b and d – t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., Specific inspection requirements are applied according to approval to install the AMS-E, approved documentation or an approved alternative methodology of the relevant continuous measurement	SMEP-09-IPP (STN EN 15267-3, STN EN 14181) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)</i>
1.2.8	AMS-E hydrogen sulphide (H ₂ S)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7(5a, b and d – t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., Specific inspection requirements are applied according to approval to install the AMS-E, approved documentation or an approved alternative methodology of the relevant continuous measurement	SMEP-09-IPP (STN EN 15267-3, STN EN 14181) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)</i>
1.2.9	AMS-E ammonia and its gaseous compounds (NH ₃)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7(5a, b and d – t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., Specific inspection requirements are applied according to approval to install the AMS-E, approved documentation or an approved alternative methodology of the relevant continuous measurement	SMEP-09-IPP (STN EN 15267-3, STN EN 14181) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)</i>
1.2.10	AMS-E particulate pollutants (PP)	inspection of compliance with specific normative work characteristics and other normative requirements before installing (QAL1) and with specific requirements for the installation, calibration, functional testing - validation, quality control (QAL2, AST) and with specific requirements for continuous quality assurance during operation (QAL3). Parallel measurements with manual gravimetric SRM Section 7(5a, b, d – p, r – t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., Chapter 5 STN EN 13284-2, STN EN ISO 16911-2, STN ISO 11042-2	SMEP-09-IPP (Chapters 7 to 9 STN EN 13284-2) (STN ISO 10155, STN EN ISO 16911-2) (Chapter 8 STN ISO 11042-2) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)</i>
1.3	AMS-E related reference and functions of state of waste gases		
1.3.1	oxygen (volumetric proportion of the waste gas)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7(5a – l, o, r – t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., Chapters 5 to 7 STN EN 14789, Chapters 6 and 7 STN EN ISO 12039, Chapter 1 to 7 STN ISO 11042-2	SMEP-09-IPP (Chapters 8 to 13 STN EN 14789) (Chapters 8 and 9 STN EN ISO 12039) (Chapter 8 STN ISO 11042-2) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)</i>



Item no.	Subject of Inspection	Type of inspection and scope of requirements	Inspection methods and procedures
1.3.2	humidity (mass or volumetric proportion in the waste gas)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7(5a, b and d – l, o, r – t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., Specific inspection requirements are applied according to approval to install the AMS-E, approved documentation or an approved alternative methodology of the relevant continuous measurement	SMEP-09-IPP (STN EN 14790, RdSchr. d. BMU IG 12-45053/5) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air as amended by Act no. 318/2012 Coll.)</i>
1.3.3	exhaust gas velocity/flow rate	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Section 7(5a – l, n, o, r – t) and Section 14 of the Decree of MoE SR no. 411/2012 Coll., chapters 4 and 5 STN EN 14164	SMEP-09-IPP (STN EN ISO 16911-2) <i>(Methodology for legitimate technical activities under Section 20(1d1) of the Act no. 137/2010 Coll. on air, as amended by Act no. 318/2012 Coll.)</i>
2	Automated measuring systems of greenhouse gas emissions and emission measurement systems		
2.1	nitrous oxide (N ₂ O)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. STN EN ISO 21258	SMEP-09-IPP (STN EN 15267-3 STN EN 14181 STN EN ISO 21258)
2.2	carbon dioxide (CO ₂)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. (STN ISO 12039)	SMEP-09-IPP (STN EN 15267-3 STN EN 14181 STN ISO 12039)
2.3	sulphur dioxide (SO ₂)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Chapters 5 to 7 STN EN 14792, Chapters 4 and 5 STN EN ISO 10849, Chapters 1 to 7 STN ISO 11042-2,	SMEP-09-IPP (STN EN 15267-3 STN EN 14181) (Annex A and B STN ISO 7935) (Chapter 8 STN ISO 11042-2)
2.4	nitrogen oxides (NO _x) - nitric oxide (NO) and nitrogen dioxide (NO ₂)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Chapters 5 to 7 STN EN 14792, Chapters 4 and 5 STN ISO 10849, Chapters 1 to 7 STN ISO 11042-2,	SMEP-09-IPP (STN EN 15267-3 STN EN 14181) (Chapters 8 to 13 STN EN 14792) (Chapters 6 and Annexes and B STN ISO 10849) (Chapter 8 STN ISO 11042-2)
2.5	carbon monoxide (CO)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. Chapters 5 to 7 STN EN 15058, Chapters 6 and 7 STN ISO 12039, Chapters 1 to 7 STN ISO 11042-2	SMEP-09-IPP (STN EN 15267-3 STN EN 14181) (Chapters 8 to 13 STN EN 15058) (Chapters 8 and 9 STN ISO 12039) (Chapters 8 STN ISO 11042-2)
2.6	organic substances in the form of gases and vapours, expressed as total organic carbon (TOC)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. STN EN 12619, Chapter 1 to 7 STN ISO 11042-2	SMEP-09-IPP (STN EN 15267-3 STN EN 14181) (STN EN 12619, STN ISO 11042-2)
2.7	fluorine and its gaseous compounds expressed as HF	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. STN EN 15267-3, STN EN 14181	SMEP-09-IPP (STN EN 15267-3, STN EN 14181)
2.8	gaseous inorganic chlorine compounds, expressed as HCl	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. STN EN 15267-3, STN EN 14181	SMEP-09-IPP (STN EN 15267-3, STN EN 14181)
2.9	hydrogen sulphide (H ₂ S)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. STN EN 15267-3, STN EN 14181	SMEP-09-IPP (STN EN 15267-3, STN EN 14181)
2.10	ammonia and its gaseous compounds (NH ₃)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. STN EN 15267-3, STN EN 14181	SMEP-09-IPP (STN EN 15267-3, STN EN 14181)
2.11	hydrogen cyanide (HCN)	Inspection of specific requirements for QAL1, QAL2, AST and QAL3. STN EN 15267-3, STN EN 14181	SMEP-09-IPP (STN EN 15267-3, STN EN 14181)

