Hellenic Accreditation System

Annex C4/**22** to the Certificate No. 28-**7**

SCOPE of ACCREDITATION

of

MATERIALS INDUSTRIAL RESEARCH & TECHNOLOGY CENTER (MIRTEC) S.A.

as a Type A Inspection Body, in line with E.C Directives

Products or Products Family/Intended use	**Procedure/Type of inspection**	**Annexes, Section, Modules, of Directive/ Standards/ Regulations/ In house Procedures**
Lifts 1.Electric lifts 2. Hydraulic lifts	-Final inspection Annex V, Module F	Directive 2014/33/EU J.M.D 39507/167/F.9.2 (G.G 1047/B/13-04-2016) -ELOT EN 81-20:2020 (EBETAM SR-Certlifts – Special Certification & CSA Regulation) (EBETAM CERT-Lifts – Lifts Certification Procedure)
Transportable pressure equipment: pressure receptacles, their valves and other accessories when appropriate, as covered in Chapter 6.2 of the Annexes to Directive 2008/68/EC 1. Transportable refillable welded steel cylinders for liquefied petroleum gas(LPG) Design and construction	-Conformity assessment	Directive 2010/35/EU J.M.D. 12436/706/5-9-2011(G.G. 2039/B/13-9-11) Section I.1 of Annex I, Section II.1 of Annex II to Directive 2008/68/EC J.M.D. 35043/2524/1-9-2010(G.G.1385/B/2-9-2010) J.M.D. 40955/4862/1-9-2010(G.G.2514/B/2013) J.M.D. 200035/2023 (G.G. 4101/ B/23-6-2023) (EBETAM CERT -tped- Inspection Procedure for transportable pressure equipment) -ELOT EN 1442:2017

Products or Products Family/Intended use	**Procedure/Type of inspection**	**Annexes, Section, Modules, of Directive/ Standards/ Regulations/ In house Procedures**
Transportable pressure equipment: pressure receptacles, their valves and other accessories when appropriate, as covered in Chapter 6.2 of the Annexes to Directive 2008/68/EC	-Conformity assessment	Directive 2010/35/EU J.M.D. 12436/706/5-9-2011(G.G. 2039/B/13-9-2011) Section I.1 of Annex I, Section II.1 of Annex II to Directive 2008/68/EC J.M.D. 35043/2524/1-9-2010(G.G.1385/B/2-9-2010) J.M.D. 40955/4862/1-9-2010(G.G.2514/B/2013) J.M.D. 200035/2023 (G.G. 4101/ B/23-6-2023) (EBETAM CERT -tped- Inspection Procedure for transportable pressure equipment)
2. Transportable gas cylinders – Specification for design and construction of refillable transportable seamless steel gas cylinders of water capacities from 0.5 litre up to and including 150 litres		
Part 1: Cylinders made of seamless steel with a Rm value of less than 1100 MPa		-ELOT EN ISO 9809-1:2011 -ELOT EN ISO 9809-1:2019
Part 2: Cylinders made of seamless steel with a Rm value 1100 MPa and above		-ELOT EN ISO 9809-2:2011 -ELOT EN ISO 9809-2:2019
Part 3: Cylinders made of seamless stainless steel with a Rm value of less than 1100 MPa		-ELOT EN ISO 9809-3:2011 -ELOT EN ISO 9809-3:2019
3. Transportable gas cylinders – Refillable welded steel gas cylinders – Design and construction Part 1: Welded steel		-ELOT EN 13322-1:2003 +A1:2006
4. Transportable gas cylinders – Specification for design and construction of refillable transportable seamless aluminum and aluminum alloy gas cylinders of capacity from 0.5 liter up to 150 liters		-ELOT EN ISO 7866:2013+AC:2014
5. Transportable gas cylinders – Non refillable metallic gas cylinders		-ELOT EN ISO 11118:2016
6. LPG equipment and accessories - Transportable refillable welded steel cylinders for LPG – Alternative design and construction		- EN 14140:2014+ AC:2015
7. Transportable refillable brazed steel cylinders for LPG Design and construction		-ELOT EN 12807:2020
8. Transportable refillable welded aluminium cylinders for LPG – Design and construction		-ELOT EN 13110:2013
(cont.)	-Conformity	(cont.)

Products or Products Family/Intended use	**Procedure/Type of inspection**	**Annexes, Section, Modules, of Directive/ Standards/ Regulations/ In house Procedures**
9. Non-refillable metallic gas cartridges for liquefied petroleum gases, with or without a valve, for use with portable appliances – Construction,inspection, testing and marking.	assessment	-ELOT EN 417:2012
10. Transportable gas cylinders. – Cylinder valves: Specification and type testing		-ELOT EN ISO 10297:2015+A1:2017
11. Specifications and testing of LPG – cylinder valves – Self closing		-ELOT EN ISO 14245:2020
12. Specifications and testing of LPG – cylinder valves – Manual function		-ELOT EN ISO 15995:2020
13. Transportable gas cylinders – Cylinder bundles Design, manufacture, identification and testing		-ELOT EN ISO 10961:2020
Transportable pressure equipment: pressure receptacles, their valves and other accessories when appropriate, as covered in Chapter 6.2 of the Annexes to Directive 2008/68/EC	-Reassessment of Conformity	Directive 2010/35/EU Annex III J.M.D. 12436/706/5-9-2011(G.G. 2039/B/13-9-2011) Section I.1 of Annex I,, Section II.1 of Annex II to Directive 2008/68/EC J.M.D. 35043/2524/1-9-2010(G.G.1385/B/2-9-2010) J.M.D. 200035/2023 (G.G. 4101/ B/23-6-2023) (EBETAM CERT -tped- Inspection Procedure for transportable pressure equipment)
Transportable pressure equipment: pressure receptacles, their valves and other accessories when appropriate, as covered in Chapter 6.2 of the Annexes to Directive 2008/68/EC	-Periodic Inspections	Directive 2010/35/EU Annex III J.M.D. 12436/706/5-9-2011(G.G. 2039/B/13-9-2011) Section I.1 of Annex I,, Section II.1 of Annex II to Directive 2008/68/EC J.M.D. 35043/2524/1-9-2010(G.G.1385/B/2-9-2010) J.M.D. 200035/2023 (G.G. 4101/ B/23-6-2023) (EBETAM CERT -tped- Inspection Procedure for transportable pressure equipment)
1.Gas cylinders-Unwelded steel, aluminum alloy gas cylinders and pipes. Periodic inspection and testing		- ELOT EN ISO 18119:2018
(cont.)	-Periodic Inspections	(cont.)

Products or Products Family/Intended use	**Procedure/Type of inspection**	**Annexes, Section, Modules, of Directive/ Standards/ Regulations/ In house Procedures**
2.Gas cylinders- Welded aluminum alloy, steel and stainless steel gas cylinders. Periodic inspection and testing.		- ELOT EN ISO 10460:2018
3.Gas cylinders - Acetylene cylinders - Periodic inspection and maintenance		- ELOT EN ΙΣΟ 10462:2016+A1:2019
4. Transportable gas cylinders – Periodic inspection and testing of composite gas cylinders		- ELOT EN ISO 11623:2016
5. Transportable gas cylinders – Inspection and maintenance of cylinder valves at time of periodic inspection of gas cylinders		- ELOT EN ISO 22434:2011
6. Transportable refillable welded cylinders for liquefied petroleum gas (LPG) –Periodic requalification		- ELOT EN 1440:2016 (exc. C) - ELOT EN 1440:2016+A1:2018+A2:2020 (exc. C.)
7. Κρυογενικά δοχεία-Δοχεία μεταφερόμενα μονωμένα υπό κενόν χωρητικότητας μέχρι και 1000 λίτρα – Μέρος 3: Λειτουργικές απαιτήσεις		- ELOT EN 1251-3:2000
8. Transportable gas cylinders-Bundles of cylinders-Periodic inspection and tests		- ELOT EN 15888:2016
9. Portable Gas Cylinders – Periodic Inspection and Testing of Welded Steel Pressure Drums		- ELOT EN 14876:2008
Transportable pressure equipment: tanks, battery vehicles, multiple-element gas containers (MEGCs), their valves and other accessories when appropriate, as covered in Chapter 6.8 of the Section II.1 of Annex II to Directive 2008/68/EC	-Conformity assessment	Directive 2010/35/EU J.M.D. 12436/706/5-9-2011(G.G. 2039/B/13-9-2011) Section I.1 of Annex I,, Section II.1 of Annex II to Directive 2008/68/EC J.M.D. 35043/2524/1-9-2010(G.G.1385/B/2-9-2010) J.M.D. 200035/2023 (G.G. 4101/ B/23-6-2023) (EBETAM CERT -tped- Inspection Procedure for transportable pressure equipment)
1. LPG equipment and accessories – Welded steel tanks for liquefied petroleum gas (LPG) – Road tankers – Design and manufacture		-ELOT EN 12493:2008 (except Annex C)
2. LPG equipment and accessories – Equipping of LPG road tankers NOTE: Road tankers is to be understood in the meaning of «fixed tanks» and «demountable tanks» as per ADR.		-ELOT EN 12252:2005 + A1:2008
3. Cryogenic vessels –Large	-Conformity	-ELOT EN 13530-2:2002+A1:2004

Products or Products Family/Intended use	**Procedure/Type of inspection**	**Annexes, Section, Modules, of Directive/ Standards/ Regulations/ In house Procedures**
transportable vacuum insulated vessels- Part 2: Design, fabrication, inspection and testing.	assessment	
Transportable pressure equipment: tanks, battery vehicles/wagons, multiple-element gas containers (MEGCs), their valves and other accessories when appropriate, as covered in Chapter 6.8 of the Annexes to Directive 2008/68/EC	-Reassessment of Conformity	Directive 2010/35/EU Annex III J.M.D. 12436/706/5-9-2011(G.G. 2039/B/13-9-2011) Section I.1 of Annex I,, Section II.1 of Annex II to Directive 2008/68/EC J.M.D. 35043/2524/1-9-2010(G.G.1385/B/2-9-2010) J.M.D. 200035/2023 (G.G. 4101/ B/23-6-2023) (EBETAM CERT -tped- Inspection Procedure for transportable pressure equipment)
Transportable pressure equipment: tanks, battery vehicles/wagons, multiple-element gas containers (MEGCs), their valves and other accessories when appropriate, as covered in Chapter 6.8 of the Annexes to Directive 2008/68/EC	-Exceptional Checks -Intermediate Inspections -Periodic Inspections	Directive 2010/35/EU J.M.D. 12436/706/5-9-2011(G.G. 2039/B/13-9-2011) Section I.1 of Annex I,, Section II.1 of Annex II to Directive 2008/68/EC J.M.D. 35043/2524/1-9-2010(G.G.1385/B/2-9-2010) J.M.D. 200035/2023 (G.G. 4101/ B/23-6-2023) (EBETAM CERT -tped- Inspection Procedure for transportable pressure equipment) ELOT EN 12972:2018
Pressure Equipment Category 1, Group 1.1, Subgroup: 1.1.2, 1.1.3 1. Unfired pressure vessels	- Internal Production Control plus Supervised Pressure Equipment Checks at Random Intervals Annex III, Module A2	Directive 2014/68/EU, M.D. oik. 74124/DTVN 1431/2016, (G.G. 2278/B/2016) ELOT EN 13445-1: 2014 ELOT EN 13445-2: 2016 ELOT EN 13445-3: 2017 ELOT EN 13445-4: 2021 ELOT EN 13445-5: 2021 ELOT EN 13445-6: 2014
Pressure Equipment Permanent joints	-Approval of methods for permanent joints.	Directive 2014/68/EU, M.D. oik. 74124/DTVN 1431/2016, (G.G. 2278/B/2016) Annex I, paragraph 3, section 3.1.2 ELOT EN ISO 15614-1:2017:+A1:2019 ELOT EN ISO 15614-2:2005:+AC:2019
Cableway installations designed to carry persons:	-Conformity to type based on Subsystems or Safety components	Directive (EE) 2016/424 ELOT EN 1709:2005

Products or Products Family/Intended use	**Procedure/Type of inspection**	**Annexes, Section, Modules, of Directive/ Standards/ Regulations/ In house Procedures**
Subsystems and safety components.	verification, Annex V Module F -Conformity Based on Unit Verification, Annex VI, Module G	ELOT EN 12927-1:2005 ELOT EN 12927-2:2005 ELOT EN 12927-3:2005 ELOT EN 12927-4:2005 ELOT EN 12927-5:2005 ELOT EN 12927-6:2005 ELOT EN 12927-7:2005 ELOT EN 12927-8:2005 EBETAM CERT- cableways (5.1)
Aerosol Dispensers	-Conformity assessment	Directive 75/324/EEC including amendments. (EBETAM CERT- aerosol – Procedure for certification of aerosol dispensers**)**

**The reference to non-harmonized European Standards, Regulations or Normative Documents with the star mark (*) indicates that only a specific part of the requirements of the above European Standards, Regulations or Normative Documents,*
complements, to the extent that is necessary for the assessment of the compliance of the product, either the harmonized European Standards EN which fulfil essential requirements of European Directives, or the provision of European Directives.

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This Scope of Accreditation replaces the previous one dated **31.08.2022**.
The Accreditation Certificate No. **28-7**, according to ELOT EN ISO/IEC 17020:2012, is valid until **14.09.2025**.

Athens, **12.01.2024**

Christos Nestoras
CEO of ESYD