Hellenic Accreditation System

Annex C5/**31** to the Certificate No. 28-**7**

SCOPE of ACCREDITATION

of

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

as a type A Inspection Body, in the voluntary sector and/or according to the National Legislative Regulations

Field of Inspection	**Type of Inspection**	**Normative Regulations / Standards / In House Procedures**
Lifts 1.Hydraulic lifts 2. Electric lifts	Periodic inspection	-R.D. 890/1968(G.G 311/A/1968) -M.D 18173/1988(G.G 664/B/1988) -J.M.D. F 9.2 /28425/2008 (G.G 2604 /B/2008) -MIRTEC INSP-LIFTS (Lifts Periodic Inspection Procedures) -ELOT EN 81-2:1999+A3:2010 -ELOT EN 81-2:1999 -ELOT EN 81-2:1990 -ELOT EN 81-1:1999+A3:2010 -ELOT EN 81-1:1999 -ELOT EN 81-1:1988 -ELOT EN 81-20:2014 -ELOT EN 81-20:2020 -ELOT EN 81-80:2004
Installations for the periodic re- inspection of refilled pressure vessels with capacity less than 450 l.	Recommendation for approval of the operating regulation of the re-inspection centers. Supervision of the conduct of the periodic re-inspection by the re-inspection centres	-M.D. 14165/Φ17.4/373/28-7-93 (G.G 673/B/2.9.93)

Field of Inspection	**Type of Inspection**	**Normative Regulations / Standards / In House Procedures**
Lifting equipment	Initial inspection and periodic re- inspection (Type AA, Type A&B)	-M.D. 15085 /593/(G.G 1186/B/25.8.2003) P.D. 70/90 (G.G. 31/A/90) P.D. 377/93 (G.G. 160/A/93) P.D. 18/96 (G.G. 12/A/96) P.D. 395/94 (G.G. 220/A/94) P.D. 89/99 (G.G. 94/A/99) -ELOT EN ISO 9927-1:1994, ELOT EN ISO 4310:1981 -ISO 9373:1989, ISO 11662-1:1995 -F.E.M. 1.001:1998, Part I. -ELOT EN ELOT 1184, ELOT EN ELOT 1242 -MIRTEC INSP- Lifting equipment
General Lifting Equipment 1. Cranes (fixed or mobile) which are in fuction near the sea such as cranes in shipping construction cranes for port services 2. Cranes (fixed or mobile) used in steel industries, foundries or other plants where dangerous materials (such as flammables, explosives, toxics) are transported. 3. Bridge or gantry cranes independently of their lifting capacity.	Initial inspection and periodic re inspection (Type AA, Type A&B) (cont.	A. General standards regarding lifting equipment. -ELOT EN ISO 12100-1, ELOT EN ISO 12100-2 -ELOT EN ISO 13857:2008 -ELOT EN ISO 13850:2006 -ELOT EN 349, ELOT EN 1088 -ELOT 1037:1995+A1:2008 -ELOT EN 982, ELOT EN 983, ELOT EN 954 -DIN 15018-1, -DIN 15030 -ISO 7752-5:1985 -ELOT 1242, ELOT EN 418 -ELOT EN 12644-2:2000 -ELOT EN 12644-3:1997 -VBG 9 (Lifts, Initial and Periodic Inspection) -ELOT EN 13001-1:1997 -ISO 10245-1:1994 -ELOT EN 13135-2:2000
Specific Lifting Equipment 1. Tower cranes for buildings (fixed or mobile)		B.Standards about specific types of lifting equipment, additionally, to the general standards regarding lifting equipment, mentioned above. -ISO 7752-3:1993 -ELOT 1184, -ELOT EN 12999:2002 -ELOT EN 13000:1997 -ISO 7752-2: 1985 -VBG 8 & VBG14 & VBG 9 Initial and periodic inspections (Lifts-Lifting Platforms)

Field of Inspection	Type of Inspection	Normative Regulations / Standards / In House Procedures
Specific Lifting Equipment (cont.)	Initial inspection and periodic re inspection (Type AA, Type A&B) (cont.)	B.Standards about specific types of lifting equipment , additionally, to the general standards regarding lifting equipment mentioned above. -ISO 7752-3:1993 -ELOT 1184, -ELOT EN 12999:2002 -ELOT EN 13000:1997 -ISO 7752-2: 1985 -VBG 8 & VBG14 & VBG 9
2. Devices for the lifting of persons involving a hazard of falling from a vertical height of more than 3m		Initial and periodic inspections (Lifts-Lifting Platforms)
3. Lifting machinery which are: mobile cranes, mobile elevating work platforms, cranes- excavators		
4. Lifting platforms which are elevators for house appliances, lifting equipment on airports, lifts of handicapped people in airplane, mobile elevators of work platforms), concrete pumps, fork lifts.		
5. Cranes for collecting or removing vehicles		
6. Small constructions cranes of up to 250Kg		
7. Elevators which are not self propelled and hydraulic mechanisms with scissors platforms with a lifting capacity of more than two hundred (200) Kgs with the exception of those which are subject to more specific provisions		
8. Vehicles service lifts. Fixed jib cranes and fixed mast cranes independently of their lifting capacity		-ELOT EN 1493:1999
9. Manually controlled lifting cranes with a lifting capacity over 100 kgs.		-ELOT EN 13157+A1:2012
10. Elevators for goods		-ELOT EN 1570
11. Elevating work platforms		-ELOT EN 280

Field of Inspection	**Type of Inspection**	**Normative Regulations / Standards / In House Procedures**
Escalators and walkways.	Initial inspection (Type A and Type A1) Periodic inspection (Type B)	M.D. oik 3562/398/19.3.2013 (G.G. 765/B/3.4.2013) -ELOT EN 115-1:2008+A1:2010 -ELOT EN 115-1:2017 -ELOT EN 115:1995
Refilled pressure vessels with capacity equal to or more than 450 l.	Periodic re-inspection	-M.D. 14165/Φ17.4/373/28.07.93 (G.G. 673 B/2.9.1993)
Cableway installations designed to carry persons.	Periodic inspection	-M.D. T/10.004 (G.G. 1339B/16.10.2002) -MIRTEC INSP – cables (Tourist Elevators inspection procedures)
Cableway installations designed to carry persons:	Initial Inspection	ELOT EN 1709:2005 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)

Field of Inspection	Type of Inspection	Normative Regulations / Standards / In House Procedures
Companies to be recognized for inspection, maintenance and refilling of fire extinguishers	Approval of regulations of operation, periodic surveillance	-G.M.D. 618/43 (G.G. 52B/20.01.2005) -G.M.D. 17230/671 (G.G. 1218B/ 01.09.2005) (the Accreditation solely covers the compliance of the body to those requirements of the above G.M.Ds which are related to technical adequacy) -MIRTEC INSP Surveillance -02 Procedure inspection for the approval of regulation for the operation and for the periodic surveillance of recognized companies undertaking inspections for the maintenance and refilled of extinguishers
Playground equipment	Inspection of technical file, surveillance of production control & certification	-ELOT EN 1176-1:2008, ELOT EN 1176-1:2017, -ELOT EN 1176-2:2008, ELOT EN 1176-2:2017+AC:2019 -ELOT EN 1176-3:2008, ELOT EN 1176-3:2017, -ELOT EN 1176-4:2008, ELOT EN 1176-4:2017+AC:2019 -ELOT EN 1176-5:2008, ELOT EN 1176-5:2019 -ELOT EN 1176-6:2008, ELOT EN 1176-6:2017+AC:2019 -ELOT EN 1176-7:2008, ELOT EN 1176-7:2020 -ELOT EN 14960-1:2019 -ELOT EN 14960-2:2019 -ELOT EN 71-3:2019+A1:2021 -Special Regulation SR- PlaygroundEquipment, 6.0/14.10.2022
External Playgrounds	Initial and periodic inspection	M.D. 28492 /2009 (G.G. 391/B/ 18.05.2009) M.D. 48165 /2009 (G.G. 1690/B/17.8.2009) M.D. 27934/2014 (G.G. 2029/B/25.08.2014) Interpretative Circular 44/2014 (Reg. Nr. 30681/2014) Procedure EBETAM INSP-playground/5.6 -Special Regulation SR- PlaygroundEquipment 6.0/14.10.2022

Field of Inspection	**Type of Inspection**	**Normative Regulations / Standards / In House Procedures**
Internal Playgrounds	Initial, periodic, special and extraordinary inspection	M.D. 43650/ 2019 (G.G. 2213/B/8.6.2019) Procedure EBETAM INSP-playground/5.6 -Special Regulation SR- PlaygroundEquipment 6.0/14.10.2022
Impact attenuating playground surfacing	Initial and periodical inspection	M.D. 28492 (GG 931/B/18.5.2009) M.D. 27934 (GG 2029/B/25.7.2014) J.M.D. 36873 (GG 1364/B/2.8.2007) M.D. 48165/2009 (GG 1690/B/17.8.2009) J.M.D. 43650/2019 (GG 221/B/8.6.2019) J.M.D. 91808/202 (GG 4092/B/23.9.2020) ELOT EN 1176-1:2008 ELOT EN 1176-1:2017 ELOT EN 1177:2008 ELOT EN 1177:2018+AC:2019 -Special Regulation SR- PlaygroundEquipment 6.0/14.10.2022
Portable fire extinguishers	Initial and periodical inspection of conformity	-ELOT EN 3-10
Installation, operation and inspection of steam boilers.	1. First in function (certificate receipt) 2. Recheck (certificate periodic inspection)	- M.D 10735/651(G.G 2656/28.09.2012)
Steel Gas distribution networks with pressure design up to 19 bar	Initial Inspection	- M.D. D3/A/17013/2006 (G.G. 1552/B/24/10/2006) - Procedure EBETAM AE, INSP-NGNET-MPR/5.0
Polyethylene Gas distribution networks with a maximum operating pressure of 4 bar	Initial Inspection	- M.D. D3/A/14715/2006 (G.G 1530/B/19.10.2006) - Procedure EBETAM AE, INSP-NGNET-LPR/5.0
Gas supply pipelines and meters with operating pressure up to 4 bar	Initial Inspection	- M.D D3/A/22925/2006 (G.G. 1810/B/12.12.2006) - Procedure EBETAM AE, INSP-NGNET-EN12007/5.0

Field of Inspection	**Type of Inspection**	**Normative Regulations / Standards / In House Procedures**
Sports facilities equipment	Initial and periodical inspection	ELOT EN 1270 E2:2006 ELOT EN 748 +A1:2018 ELOT EN 1271 E3:2015 ELOT EN 1510 E2:2005 ELOT EN 15312:2007+A1:2010
Gymnastic equipment	Percussion attenuation to mattresses inspection	ELOT EN 913:2018 Procedure INSP-athlequip/5.1/26.6.2020
Pressure Vessels of cargo ships	Periodic inspection	P.D. 164/2006 (GG 173/A/16.8.2006, Article 7) Procedure EBETAM INSP-prv/5.0/13.08.2020

Field of Inspection	Type of Inspection	Normative Regulations / Standards / In House Procedures
Welding	Approval of welding methods	ELOT EN ISO 15614-1:2017/A1:2019, ELOT EN ISO 15614-2:2005, ELOT EN ISO 15614-3:2012, ELOT EN ISO 15614-4:2005, ELOT EN ISO 15614-5:2004, ELOT EN ISO 15614-6:2006, ELOT EN ISO 15614-7:2020, ELOT EN ISO 15614-8:2016, ELOT EN ISO 15614-10:2005, ELOT EN ISO 15614-11:2004, ELOT EN ISO 15614-12:2014, ELOT EN ISO 15614-13:2012, ELOT EN ISO 15614-14:2014, ELOT EN ISO 15609-1:2019, ELOT EN ISO 15609-2:2019, ELOT EN ISO 15609-3:2004, ELOT EN ISO 15609-4:2011, ELOT EN ISO 15609-5:2012, ELOT EN ISO 15609-6:2013, ELOT EN ISO 14555:2017, ELOT EN 13134:2000, ELOT EN ISO 14732:2014, ELOT EN ISO 13585:2012, ELOT EN 13067:2012 ASME IX, API1104, AWS B2.1, AWS D1.1, AWS D1.2, AWS D17.1
	Approval of welders' qualification (inspection of certificates)	ELOT EN ISO 9606-1:2017, ELOT EN ISO 9606-2:2005, ELOT EN ISO 9606-4:1999, ELOT EN ISO 9606-5:1999, ELOT EN ISO 9606-5:2000 ASME IX, API1104, AWS B2.1, AWS D1.1, AWS D1.2, AWS D17.1

Field of Inspection	Type of Inspection	Normative Regulations / Standards / In House Procedures
Tanks for transport of dangerous goods - Service equipment for tanks	Periodic Inspection	ELOT EN 13081+A1:2012 Vapour collection adaptor and coupler ELOT EN 13082+A1:2012 Vapour transfer valve ELOT EN 13083+A1:2014 Adaptor for bottom loading and unloading ELOT EN 13308:2003 Non pressure balanced footvalve ELOT EN 13314:2003 Fill hole cover ELOT EN 13315:2002 Gravity discharge coupler ELOT EN 13317+A1:2008 Manhole cover assembly ELOT EN 14595:2016 Breather device ELOT EN 14596:2005 Emergency pressure relief valve

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This Scope of Accreditation replaces the previous one dated **12.01.2022**.
The Accreditation Certificate No. 28-**7**, according to ELOT EN ISO/IEC 17020:2012, is valid until **14.09.2025**.

Athens, **21.03.2024**

Christos Nestoras
CEO of ESYD