

## Scope of Accreditation

 <b>Muayene</b> <b>TS EN ISO/IEC 17020</b> <b>AB-0005-M</b>	<b>TÜRK LOYDU VAKFI</b> <b>İktisadi İşletmesi</b>	
	<b>Accreditation No: AB-0005-M</b> <b>Revision No: 08 Date: 18 July 2011</b>	
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Inspection Field	Inspection Type	Standard / Specification
Products formed from metals - Pipes - Sheets and plates - Castings	Inspection of manufacturing process	API 5L (ISO 3183) EN 10216 series EN 10217 series EN 10219 series BS 534 BS 3601 EN 10208-2 ASTM A 106 EN 1090-2 AWS D 1.1 AWS D 1.2 AWS D 1.5 AWS D 1.6AWS D 1.6
	Material verification and certification	EN 10025 series EN 10028 series ASTM A series ASTM B series ASTM C series
Products formed from metals	Evaluation and approval of welding procedures	EN ISO 15614 series EN ISO 15609 series EN 13134 EN 1090-2 ASME Sec. IX ASTM A 488 API 1104 AWS D 1.1 AWS D 1.2 AWS D 1.5 AWS D 1.6 ISO 14555
Polymer and Composite Products	Fabrication inspection	DIN 16961 EN 12201 EN 13476 AWWA C-950
Pipe Lines	Site inspection of pipe lines manufacturing	ASME B31.1 ASME B31.3 ASME B31.8 API 1104

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Boilers and Pressure Vessels	Verification of design Inspection of manufacturing process	TRD AD 2000 Code ASME Sec.VIII Div.1 EN 286-1 EN 1442 EN 12493 EN 12542 EN 12953 series EN 13445 series EN 13530 series
	Periodic inspections	Worker's Health and Work Safety Regulation
Storage Tanks Vertical Cylindrical Tanks	Verification of design Inspection of manufacturing process	API 620 API 650
	Periodic inspections	API 653
Storage Tanks -Vertical Tanks -Horizontal Tanks -Cylindrical Tanks Vessel Tanks	Conducting technical measurements to prepare calibration tables	ISO 7507 ISO 12917-1,2 API 2555 API 2556 API 2552 Calibration of the Tanks of Vessels (71/349/AT) API MPMS 2.8A C2 API MPMS 2.2A API MPMS 2.2B API MPMS 2 Sec.8
Non-Destructive Inspection	Evaluation and approval of radiographic films	ASTM III Vol 03.03 AD 2000 Code TRD ASME Sec.V API 5L EN 1435 ISO 5817 ASTM E 446, ASME Sec. VIII, ASME B 31.1, ASME B 31.3, ASME 31.8, API 1104, EN 12517-1

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	Inspection, approval and evaluation of test results the method of Ultrasonic test (UT), phased array	ASME Sec V, ASME Sec. VIII, ASME B 31.1, ASME B 31.3, API 5L, API 1104, AWS D 1.1, AD 2000 Code HP 5/3, AWS D1.1, AWS D1.5, ISO 5817, EN 10160, EN 10228-3, ASTM A 435, ISO 11666, ISO 17640, ISO 23279
	Inspection, approval and evaluation of test results of penetrant test (PT)	ASME Sec V, ASME Sec. VIII, ASME B 31.1, ASME B 31.3, ASME 31.8, API 5L, API 1104, AD 2000 Code 5/3, EN 571-1, ISO 23277, EN 10228-2, AWS D1.1, AWS D1.5, ISO 5817
	Inspection, approval and evaluation of test results of magnetic particle test (MT, MPI)	ASME Sec V, ASME Sec. VIII, ASME B 31.1, ASME B 31.3, API 5L, API 1104, AD 2000 Code HP 5/3, ISO 17638, ISO 23278, EN 1369, TS EN 10228-1, AWS D1.1, AWS D1.5, ISO 5817
	Visual test (VT)	ASME Sec. V, ASME Sec. VIII, ASME B 31.1, ASME B 31.3, API 5L, API 1104, AD 2000 Code HP 5/3, ISO 5817, EN 970, AWS D1.1, AWS D1.5
Fire Protection Systems	Approval of projects	ISO 14520 series EN 12845 NFPA series Regulation on Fire Protection in Buildings
	Inspection of fire protection systems	EN 671 series EN 12845 NFPA series
Fire Detection and Fire Alarm Systems	Periodic inspections	TS CEN/TS 54-14 Regulation on Fire Protection in Buildings
Containers	Inspection of manufacturing process and approval of CSC	CSC Convention Türk Loydu Rules EN 12079-1 ISO 1496 series

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	Periodic inspections	CSC Convention
<p>New Building and Conversion of Ships</p> <p>Ships in Service</p> <p>Ship's Material and Equipment</p>	<p>Control and approval of calculation and plans. New building initial surveys for class and statutory certificates</p> <p>Initial, periodical and renewal surveys/audits for class and statutory certificates</p> <p>Type inspection and approval Design control and approval Product inspection and approval</p>	<p>Türk Loydu Rules Türk Loydu Rules Flag State Regulations IMO Conventions - SOLAS 74 - MARPOL 73/78 - ICLL1966 - ICTM1969 - COLREG 1972 - SFV 1977 - AFS 2001 - BWM 2004 IMO Resolutions IMO Codes IMO Circulars IMO Guidelines ILO Conventions and Standarts IACS Resolutions (UR, PR, UI) IMO Res A 739 (18) IMO Res A 789 (19)</p>
Gaseous and Liquid Bulk Products (Crude Oil and Petroleum Products, Chemicals)	Inspections of marine vessels and shore tanks before and after loading/discharge/transferring between ghips and inspecting product quantity and quality controls	API MPMS Div.12 HM28-HM29 Türk Loydu Rules
Lifting and Transporting Machinery	Approval of projects	FEM 1, 4, 5, 9 series ISO/TR 16880 Türk Loydu Rules

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	Inspections of manufacturing process	FEM 1, 4, 5, 9 series BS 446 BS 5744 BS 7121 Series ASME 30 Series BS 5777 BS 5778 BS 2830 BS 5974 BS 2573-2 BS 4898 BS 2853 API 2C/2D
	Periodic inspections  Periodic Inspection	Worker's Health and Work Safety Regulation
Earthing and lightning protection systems	Verification of earthing measurement Periodic controls	-Regulation on earthing systems at electrical facilities
Low voltage electrical switchboards	Product inspection and approval	EN 61439-1 Turk Loydu Rules
Low voltage/High voltage Transformers	Product inspection and approval	IEC 60076- 1 IEC 60076- 2 IEC 60076- 3 IEC 60076- 4 IEC 60076- 5 Turk Loydu Rules
Electrical cables	Product inspection and approval Type inspection and approval	IEC 60502-1 IEC 60502-2 Turk Loydu Rules

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Food and Feed Industry Food producers, food contact materials producers, feed producers, catering services, hotels, cafes and restaurants, canteens, food retail outlets, shops and food wholesalers, water suppliers, food storage, transportation and distribution services, food ingredients producers, fish and fishery products producers	Hygiene and sanitation controls	5996 Law on Veterinary Services Phytosanitary Food and Feed, regulations related with this law for food production and sales places Turkish Food Codex Regulation and product/reference communiques
Simple Pressure Vessels	EC Type Examination EC Verification EC Declaration of Conformity	87/404/EEC Directive Article 10 87/404/EEC Directive Article 11 87/404/EEC Directive Article 12, 13, 14
Pressure Equipment	Evaluation and Approval of Permanent Joining Procedures Evaluation and Approval of Permanent Joining Personnel  Internal Manufacturing Checks with Monitoring of the Final Assessment (Module A1)  EC Type Examination (Module-B)  EC Design Examination (Module-B1)  EC Conformity to Type (Module-C1)  EC Product Verification (Module-F)  EC Unit Verification (Module-G)	97/23/EC Directive Annex I - 3.1.2          97/23/EC Directive Annex -III

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Transportable Pressure Equipment	Internal Manufacturing Checks with Monitoring of the Final Assessment (Module A1) EC Type Examination (Module-B) EC Design Examination (Module-B1) Conformity to Type (Module-C1) Product Verification (Module-F)  Conformity Reassessment Procedure  Periodic Inspection of Products (Module 1)	99/36/EC Directive Annex - IV - Part I     99/36/EC Directive Annex - IV -Part II  99/36/EC Directive Annex -IV- Part III
New Hot Water Boilers	EC Type Examination (Module-B) EC Conformity to Type (Module-C)	92/42/EC Directive Annex III 92/42/EC Directive Annex IV
Appliances Burning Gaseous Fuels	EC Declaration of Conformity to Type EC Verification EC Unit Verification	90/396/EC Directive Ek-II.2 90/396/EC Directive Ek-II.5 90/396/EC Directive Ek-II.6
Life Saving Appliances Marine Pollution Prevention Fire Protection	EC Type Examination (Module B)  EC Product Verification (Module F) EC Unit Verification (Module G)	Directive 96/98/EC Article 10.1.(i) , Annex-B  Directive 96/98/EC Article 10.1.(i) (d), Annex-B  Directive 96/98/EC Article 10.3, Annex-B
Recreational Craft Directive [Article 1.1 (a) (i) and (ii)]	Internal Production Control Plus Tests (Module Aa) EC Type Examination (Module B)  EC Product Verification (Module F)  EC Unit Verification (Module G)  Post Construction Assessment	Directive 94/25/EC as amended Directive 2003/44/EC Annex-VI Directive 94/25/EC as amended Directive 2003/44/EC Annex-VII Directive 94/25/EC as amended Directive 2003/44/EC Annex-X Directive 94/25/EC as amended Directive 2003/44/EC Annex-XI Directive 94/25/EC as amended Directive 2003/44/EC Article 8.1
Recreational Craft Directive [Article 1.1 (a) (iii)]	EC Type Examination (Module B)  EC Product Verification (Module F)  EC Unit Verification (Module G)  Post Construction Assessment	Directive 94/25/EC as amended Directive 2003/44/EC Annex-VII Directive 94/25/EC as amended Directive 2003/44/EC Annex-X Directive 94/25/EC as amended Directive 2003/44/EC Annex-XI Directive 94/25/EC as amended Directive 2003/44/EC Article 8.1

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Recreational Craft Directive [Article 1.1 (b) (i) and (ii)]	EC Type Examination (Module B) EC Product Verification (Module F) EC Unit Verification (Module G) Post Construction Assessment	Directive 94/25/EC as amended Directive 2003/44/EC Annex-VII Directive 94/25/EC as amended Directive 2003/44/EC Annex-X Directive 94/25/EC as amended Directive 2003/44/EC Annex-XI Directive 94/25/EC as amended Directive 2003/44/EC Article 8.1
Recreational Craft Directive [Article 1.1 (c) (i),(ii),(iii) and (iv)]	Internal Production Control Plus Tests (Module Aa) EC Product Verification (Module F) Post Construction Assessment	Directive 94/25/EC as amended Directive 2003/44/EC Annex-VI Directive 94/25/EC as amended Directive 2003/44/EC Annex-X Directive 94/25/EC as amended Directive 2003/44/EC Article 8.1

End of Scope

**H.İrfan AKSOY**  
Deputy Secretary General