GLOBAL TECHNOLOGY LABORATORY









For Technology
Improvement

GLOBAL
TECHNOLOGY
LABORATORY





ABOUT US

Our company, which was established as Foreign Trade, Logistics and International investment planning and consultancy within the Atak Group of Companies in 1995, ,went through a restructuring in 2010 and expanded its fields of activity by adding certification services such as System Certification, Product Certification, International Inspection and Inspection Transactions.
GCN TURK has international accreditations and authorizations both with itself and with its solution partnerships. It serves its customers in accordance with the principles of reliable, objective, impartial and confidentiality principles.
With its network, GCN TURK is able to carry out all its activities by providing uninterrupted service to its customers in many parts of the world.
GCN TURK provides services in defense, aviation, space, automotive, telecommunications, marine, metal and machinery, metallurgy, energy, textile, consumer products, industrial products, medical device and energy sectors and certification, test and inspection processes and technology and R&D services in many sectors.
GCN TURK with the number NB2729 has been appointed by the European Union as a Notified Body within the scope of the 2014/33/EU lift regulation.

Our Service Areas

- Lift and Security Components
- Lighting Products
- Marine Equipment
- Earthquake Tests
- Electrical Appliances
- Electrical and Electronic Products
- Personal Protective Equipment
- Machinery and Industrial Products
- Medical Devices
- Automotive
- Measurement Control Devices
- Defense industry
- Telecommunications and Radio Communication Equipment
- Space and Aviation



TÜRKAK Test TS EN ISO/IEC 17025 AB-1272-T
TÜRKAK Muayene TS EN ISO/IEC 17020 AB-0125-M
TÜRKAK Kalite Yönetim Sistemi TS EN ISO/IEC 17021 AB- 0024-YS
TÜRKAK Ürün TS EN ISO/IEC 17065 AB-0106-U
CE 2729

Space and Aviation



GTL is an independent test laboratory providing materials testing, product conformity testing and R&D services for the Global Aerospace industry.
We work collaboratively with all aerospace industries and supply chain partners to develop better products. It works to save time and cost and to minimize the risk associated with the products.
GTL provides services in the aviation and space sector with its personnel. It provides environmental testing and custom testing services.

Defense



GTL is a test institution that performs the necessary tests for the products to reach the desired level in the defense industry.
GTL's talents cover all vehicle design, integration, testing and certification.
It meticulously carries out the whole process from conceptual design to the final product, controls and tests all risks and requirements that may occur during the process.

Marine



GTL is the locomotive company in testing and certification that can perform all safety tests for marine equipment.

GTL offers its experience to companies operating in the field of marine electronics in identifying and solving technical problems of electronic devices and radio transmitters.

In addition to its experience in testing marine electronics, GTL is the laboratory that stands out in the realization of tests required for the certification of marine equipment.

Medical Device



GTL provides test accuracy in medical devices by providing accurate and reliable results.
Our experts are experienced at every stage of medical device testing, from test protocol development and prototype feasibility trials to CE and other regulatory testing.

As a comprehensive medical device testing laboratory, all your testing needs; mechanical, electrical, material characterization, EMC testing and medical device directive safety tests can be done by our laboratory.

Machine



GTL is the laboratory specialized in testing mechanical products, investigating mechanical safety issues and solving problems.

It evaluates all the safety and performance tests required for machines within the framework of machinery directives and European Union legislation, and the entire process from design to prototype to mass production, for the development of machinery, within the scope of international regulations and standards.

Elevator and Equipment



GTL is one of the few laboratories in the world that can perform all tests for elevators and safety components. As a notified body (NoBo), it certifies elevators and safety components according to EU legislation.

Within the scope of safety components, brakes, speed limiters, bumpers, door locks, electrical and electronic equipment, and all mechanical components carry out market controls with first type tests.

Lighting Products



GTL, our extensive testing capabilities cover all luminaires. We have the ability to test any lighting product, from simple table lamps to advanced street lamps or emergency lamps.

GTL follows the change in the fixture industry. We are fully equipped to test everything from LED bulbs to new and innovative LED luminaires.

Telecommunication



GTL carries out the necessary design, prototype and final product controls of telecommunication, radio communication, fiber optic systems and subsystems, as well as type tests and necessary R&D processes for these productsTelekomünikasyon

Telecordia GR-1221-CORE for passive fiber optic component reliability
Telecordia GR-468-CORE for optoelectronic systems
Telecordia GR-49-CORE for outdoor network interface devices
Telecordia GR-63-CORE for network switching systems (NEBS) Telecordia GR-326-CORE for fiber optic connectors
Telecordia GR-487-CORE for enclosures
Telecordia GR-1209-CORE for possive fiber optic components

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Products	Test	Testing Method	Procedure	Category	Information
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Vibration Test	MIL STD 810H 514.8	1	4	US Highway Truck Vibration Exposure
			1	4	Composite Two-Wheeled trailer Vibration Exposure
			1	4	Composite wheeled Vehicle Vibration Exposure Vibration Exposure
			2	5	Truck/trailer -Loose Cargo
			1	7	Aircraft -Jet
			1	8	Aircraft -Propeller
			1	9	Aircraft- Helicopter
			1	10	Watercraft Marine Vehicles
			1	11	Railroad-Train
			1	12	Fixed Wing Aircraft- Jet Aircraft
			1	13	Fixed Wing Aircraft- Propeller Aircraft
			1	14	Rotary Wing Aircraft - Helicopter
			4	15	Aircraft Stores - Asembled, Jet Aircraft
			1	16	Aircraft Stores - Material , Jet aircraft
			1 or 4	17	Aircraft stores -asembled material propeller aircraft
			1 oe 3	20	Ground Vehicles - Ground Mobile
			1	21	Watercraft Marine Vehicles
			1	22	Engines Turbines Engines
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Vibration Test	MIL STD 810G Rv.01 514.7	1	4	US Highway Truck Vibration Exposure
			1	4	Composite Two-Wheeled trailer Vibration Exposure
			1	4	Composite wheeled Vehicle Vibration Exposure Vibration Exposure
			2	5	Truck/trailer -Loose Cargo
			1	7	Aircraft -Jet
			1	8	Aircraft -Propeller
			1	9	Aircraft- Helicopter
			1	10	Watercraft Marine Vehicles
			1	11	Railroad-Train
			1	12	Fixed wing Aircraft- Jet Aircraft
			1	13	Fixed wing aircraft- propeller aircraft
			1	14	Rotary wing aircraft - helicopter
			4	15	Aircraft stores - asembled, jet aircraft
			1	16	Aircraft Stores - Material , Jet aircraft
			1 or 4	17	Aircraft stores -asembled material propeller aircraft
			1 oe 3	20	Ground Vehicles - Ground Mobile
			1	21	Watercraft Marine Vehicles
			1	22	Engines Turbines Engines
			1	24	All material-Minimum İntegrity Test
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Vibration Test	MIL STD 810G 514.6	1	4	US Highway Truck Vibration Exposure
			1	4	Composite Two-Wheeled trailer Vibration Exposure
			1	4	Composite wheeled Vehicle Vibration Exposure Vibration Exposure
			2	5	Truck/trailer -Loose Cargo
			1	7	Aircraft -Jet
			1	8	Aircraft -Propeller
			1	9	Aircraft- Helicopter
			1	10	Watercraft Marine Vehicles
			1	11	Railroad-Train
			1	12	Fixed wing Aircraft- Jet Aircraft
			1	13	Fixed wing aircraft- propeller aircraft
			1	14	Rotary wing aircraft - helicopter
			4	15	Aircraft stores - asembled, jet aircraft
			1	16	Aircraft Stores - Material , Jet aircraft
			1 or 4	17	Aircraft stores -asembled material propeller aircraft
			1 oe 3	20	Ground Vehicles - Ground Mobile
			1	21	Watercraft Marine Vehicles
			1	22	Engines Turbines Engines
			1	24	All material-Minimum İntegrity Test

Products	Test	Testing Method	Procedure	Category	Information
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Vibration Test	MIL STD 810F 514.5	1	4	US Highway Truck Vibration Exposure
			1	4	Composite Two-Wheeled trailer Vibration Exposure
			1	4	Composite wheeled Vehicle Vibration Exposure Vibration Exposure
			2	5	Truck/trailer -Loose Cargo
			1	7	Aircraft -Jet
			1	8	Aircraft -Propeller
			1	9	Aircraft- Helicopter
			1	10	Watercraft Marine Vehicles
			1	11	Railroad-Train
			1	12	Fixed wing Aircraft- Jet Aircraft
			1	13	Fixed wing aircraft- propeller aircraft
			1	14	Rotary wing aircraft - helicopter
			4	15	Aircraft stores - asembled, jet aircraft
			1	16	Aircraft Stores - Material , Jet aircraft
			1 or 4	17	Aircraft stores -asembled material propeller aircraft
			1 oe 3	20	Ground Vehicles - Ground Mobile
			1	21	Watercraft Marine Vehicles
			1	22	Engines Turbines Engines
			1	24	All material-Minimum İntegrity Test
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Vibration Test	RTCA/DO-160G Section 8.0	S		Fixed-Wing - Standard Vibration Test
			H		Fixed - Wing - High-Level, Short Duration Vibration Test
			Z		Fixed - Wing - High-Level, Short Duration Vibration Test
			R		Fixed - Wing - Robust Vibration Test
			R		Helicopter - Robust Vibration Test
			U		Helicopter - Robust Vibration Test
			U2		Helicopter - Robust Vibration Test
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Vibration Test	NATO AECTP Method 401 Transportation	3	Vehicle	Tactical Missiles
			Mt.. 406	Vehicle	Wheeled Transport
			Mt. 408	Vehicle	Restrained large assemblies, shelters
			1 or 2 or 3	Aircraft	Jet
			1 or 2 or 3	Aircraft	Propeller
			1 or 2 or 3	Aircraft	Helicopter
			1 or 2 or 3	Ship	Surface Ship
			1 or 2 or 3	Ship	Subsurface Ship
			1 or 2 or 3	Train	Railroad
		NATO AECTP Method 401 Mission Induced	3	Vehicle	Tactical Wheeled
			3	Vehicle	Two Wheel Trailer
			3	Vehicle	Tracked
			1 or 2 or 3	Aircraft	Jet
			1 or 2 or 3	Aircraft	Propeller
			1 or 2 or 3	Aircraft	Helicopter
			1 or 2 or 3	Aircraft Stores	Jet
			1 or 2 or 3	Aircraft Stores	Jet
			1 or 2 or 3	Aircraft Stores	Propeller
			1 or 2 or 3	Aircraft Stores	Helicopter
			1 or 2 or 3 or 4	Missiles	Tactical Missiles
			1 or 2 or 3	Engines	Turbine Engines
		NATO AECTP Method 401 Integrity	1 or 2 or 3	All	Minimum Integrity
		NATO AECTP Method 406 Loose Cargo	1 or 2		
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Vibration Test	MIL STD 167-1			

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Products	Test	Testing Method	Procedure	Category	Information
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Vibration Test	Sin	EN 60068-2-6		Tests Fc: Vibration (sinusoidal)
		Random	EN 60068-2-64		Test Fh: Vibration, broadband random and guidance
		Cold/Vibration/Altitute	EN 60068-2-50		Test Z/AFc: Combined cold/vibration (sinusoidal) tests for both heat- dissipating and non- heat- dissipating specimens
		Hot/Vibration/Altitute	EN 60068-2-51		Tests Z/BFc: Combined dry heat/vibration (sinusoidal) tests for both heat-dissipating and non-heat-dissipating specimens
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Shock Test	MIL STD 810H 516.8	1		Operational Shock
			2		Material to Be Packeged
			4		Transit Drop
			6		Bench Handling
		MIL STD 810G Rv.01 516.7	1		Operational Shock
			2		Material to Be Packeged
			4		Transit Drop
			6		Bench Handling
		MIL STD 810G 516.6	1		Operational Shock
			2		Material to Be Packeged
			4		Transit Drop
			6		Bench Handling
		MIL STD 810F 516.5	1		Operational Shock
			2		Material to Be Packeged
			4		Transit Drop
			6		Bench Handling
		RTCA/DO-160G Section 7.0		A	Equipment tested for standard operational shocks.
				B	Equipment tested for standard operational shock and crash safety.
				D	Equipment tested for low-frequency operational shock.
				E	Equipment tested for low-frequency operational shock and Low frequency crash safety.
		Shock	EN 60068-2-27		Test Ea and guidance: Shock
		Bump	EN 60068-2-29		Test Eb and guidance: Bump
		Temp/Vib/Hum/Shock	EN 60068-2-53		Combined climatic (temperature/humidity) and dynamic (vibration/shock) tests
		Rough Handling	EN 60068-2-31		Rough handling shocks, primarily for equipment-type specimens
		NATO AECTP Method 403	Figure 1 or 2 or 3		Classical Waveform Shock
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Thermal Shock	MIL STD 810H Method 503.7			
		MIL STD 810G Rv.01 Method 503.6			
		MIL STD 810G Method 503.5			
		MIL STD 810F Method 503.4			
		NATO AECTP 300 Method 304			
		EN 60068-2-14			
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Climatic Sequence	EN 60068-2-61			
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Solar Radiation	MIL STD 810H Method 505.7	1		Cycling
			2		Steady State
		MIL STD 810G Rv.01 Method 505.6	1		Cycling
			2		Steady State
		MIL STD 810G Method 505.5	1		Cycling
			2		Steady State
		MIL STD 810F Method 505.4	1		Cycling
			2		Steady State
		NATO AECTP 300 Method 305			
		EN 60068-2-5			
		EN ISO 4892-1			
		EN ISO 4892-2			

Products	Test	Testing Method	Procedure	Category	Information
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	High Temperature	MIL STD 810H Method 501.7			
		MIL STD 810G Rv.01 Method 501.6			
		MIL STD 810G Method 501.5			
		MIL STD 810F Method 501.4			
		RTCA/DO-160G Section 4			Temperature and Altitude
		RTCA/DO-160G Section 5			Temperature Variation
		NATO AECTP 300 Method 302			
		EN 60068-2-2			
		EN 60068-2-30			
		EN 60068-2-78			
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Low Temperature	MIL STD 810H Method 502.7			
		MIL STD 810G Rv.01 Method 502.6			
		MIL STD 810G Method 502.5			
		MIL STD 810F Method 502.4			
		RTCA/DO-160G Section 4			
		RTCA/DO-160G Section 5			
		NATO AECTP 300 Method 303			
		EN 60068-2-14			
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Humidity	MIL STD 810H Method 507.7			
		MIL STD 810G Rv.01 Method 507.6			
		MIL STD 810G Method 507.5			
		MIL STD 810F Method 507.4			
		RTCA/DO-160G Section 6			
		NATO AECTP 300 Method 306			Humid Heat
		EN 60068-2-14			
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Degrees of Protection	MIL STD 810H Method 510.7	1		Blowing Dust
			2		Blowing Sand
		MIL STD 810H Method 506.7	1		Rain and Blowing Rain
			2		Exaggerated
			3		Drip
		MIL STD 810H Method 512.7	1		İmmersion
			2		Fording
		MIL STD 810G Rv.01 Method 510.6	1		Blowing Dust
			2		Blowing Sand
		MIL STD 810G Rv.01 Method 506.6	1		Rain and Blowing Rain
			2		Exaggerated
			3		Drip
		MIL STD 810G Rv.01 Method 512.6	1		Immersion
			2		Fording
		MIL STD 810G Method 510.5	1		Blowing Dust
			2		Blowing Sand
		MIL STD 810G Method 506.5	1		Rain and Blowing Rain
			2		Exaggerated
			3		Drip

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Products	Test	Testing Method	Procedure	Category	Information
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Degrees of Protection	MIL STD 810G Method 512.5	1		Immersion
			2		Fording
		MIL STD 810F Method 510.4	1		Blowing Dust
			2		Blowing Sand
		MIL STD 810F Method 506.4	1		Rain and Blowing Rain
			2		Exaggerated
			3		Drip
		MIL STD 810F Method 512.4	1		Immersion
			2		Fording
		RTCA/DO 160G	Section 12	D	Sand
			Section 12	S	Dust
			Section 10		Waterproofness
		NATO AECTP 300 Method 313			Sand
		NATO AECTP 300 Method 313			Dust
		NATO AECTP 300 Method 307			Immersion
		NATO AECTP 300 Method 310			RAIN/WATERTIGHTNESS
		EN 60529	IP	Solid	X1,X2,X2,X4,X5,X6
			IP	Liquid	X1,X2,X2,X4,X5,X6,X7,X8
Torpidos and Subsystems		MIL T 18404			
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products		EN 62262	IK		1,2,3,4,5,10,20,20,100,200
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Salt Fog/Mist Corrosion Test	MIL STD 810H Method 509.7			
		MIL STD 810G Rv.01 Method 509.6			
		MIL STD 810G Method 509.5			
		MIL STD 810F Method 509.4			
		RTCA/DO 160G	Section 14		
		NATO AECTP 300 Method 309			Salt Fog
		EN 60068-2-11			
		EN 60068-2-52			
		ASTM B117			
		ISO 9227			
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Icing / Freezing /Thaw	MIL STD 810H Method 521.5			
		MIL STD 810G Rv.01 Method 521.4			
		MIL STD 810G Method 521.3			
		MIL STD 810F Method 509.4			
		RTCA/DO 160G	Section 24		
		NATO AECTP 300 Method 315			Freeze/Thaw
		NATO AECTP 300 Method 311			Icing

Products	Test	Testing Method	Procedure	Category	Information
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Heat / Humidity Vibration and Altitude	MIL STD 810H Method 520.5			
		MIL STD 810G Rv.01 Method 520.4			
		MIL STD 810G Method 520.3			
		MIL STD 810F Method 520.2			
		RTCA/DO 160G			
		NATO AECTP 300 Method 318			Vibration/Temperature/Humidity/Altitude
		EN 60068-2-53			
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Altitute	MIL STD 810H Method 500.6			Low Pressure
		MIL STD 810G Rv.01 Method 500.6			Low Pressure
		MIL STD 810G Method 500.5			Low Pressure
		MIL STD 810F Method 500.4			Low Pressure
		RTCA/DO 160G			
		NATO AECTP 300 Method 312			Low Pressure
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Earthquake	IEC 721-2-6			
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Contamination by Fluids	MIL STD 810H Method 504.3			Contamination by Fluids
		MIL STD 810G Rv.01 Method 504.2			Contamination by Fluids
		MIL STD 810G Method 504.1			Contamination by Fluids
		MIL STD 810F Method 504			Contamination by Fluids
		RTCA/DO -160G Section 11.0			Fluid Susceptibility
		NATO AECTP 300 Method 314			Contamination by Fluids
		EN 60068-2-74			Contamination by Fluids
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Fungus	MIL STD 810G Rv.01 Method 508.7			Fungus
		RTCA/DO- 160G Section 13.0			Fungus Resistance
		NATO AECTP 300 Method 308			Mould Growth
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products		EN 60947-1			Low-voltage swichgear and controlgear
		EN 60947-5-1			Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices
		EN 60947-4-1			Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters
		EN 60950-1 EN 62368-1			Audio/video, information and communication technology equipment - Part 1: Safety requirements
		EN 60601-1			Medical electrical equipment, part 1: General requirements for safety, 1. collateral standard safety requirements for medical electrical systems
		EN 60598-1			Luminaires - Part 1: General requirements and tests
		EN 60598-2-1			Luminaires-Part 2: Particular Requirements-Section One: Fixed General Purpose Luminaires
		EN 61010-1			Safety requirements for electrical equipment for measurement, control and laboratory use-Part 1:General requirements
		EN 60204-1			Safety of machinery - Electrical equipment of machines - Part 1: General requirements
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Products	Test	Testing Method	Procedure	Category	Information
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products		EN 60335-1			Safety of household and similar electrical appliances - Part 1: General requirements
		EN 62208			Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements
		EN 60945-1			Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results
Mechanical, Electrical, Electronic Systems and SubSystems, Military Equipments Other Civilian Products	Fire & Flammability Test	EN 60695-11-5			Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidanc
		EN 60695-2-11			Fire hazard testing- Part 2-11: Glowing/Hot-Wire Based Test Methods; Glow-Wire Flammablty Test Method for end products
		EN 60695-10-12			Low-voltage swichgear and controlgear
		RTCA/DO- 160G Section 26.0	A		
			B		
			C		
		ISO 2685			
Lifejackets		IMO Res. MSC.81(70)			
Lifebuoys		IMO Res. MSC.81(70)			
Position-indicating lights for life-saving appliances		IMO Res. MSC.81(70) EN 60945			
Embarkation Ladder		IMO Res.MSC.81(70) ISO 5489			
Pilot Ladder		IMO Res. A.1045(27) ISO 799			
Personal Protective Equipment – Protectors		EN 149			Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking
		EN 140			Respiratory protective devices-Half masks and quarter masks - Requirements, testing, marking
		EN 136			Respiratory protective devices-Full face masks-Requirements, testing, marking
		EN 1146			Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus incorporating a hood for escape - Requirements, testing, marking
		EN 23269-1			Ships and marine technology — Breathing apparatus for ships — Part 1: Emergency escape breathing devices (EEBD) for shipboard use
		EN 23269-2			Ships and marine technology — Breathing apparatus for ships — Part 2: Self-contained breathing apparatus for shipboard firefighters
		EN 12941			Respiratory protective devices - Powered filtering devices incorporating a helmet or a hood - Requirements, testing, marking
		EN 143			Respiratory protective devices-Particle filters-requirements, testing marking
Protective Clothing		ISO 13982-2			Protective clothing for use against solid particulates - Part 2: Test method of determination of inward leakage of aerosols of fine particles into suits
		EN 14605			Protective clothing against liquid chemicals - Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])
		EN ISO 17491-3			Protective clothing - Test methods for clothing providing protection against chemicals - Part 3: Determination of resistance to penetration by a jet of liquid (jet test)
		EN ISO 17491-4			Protective clothing - Test methods for clothing providing protection against chemicals - Part 4: Determination of resistance to penetration by a spray of liquid (spray test)
Transportation & Packing		EN 60068-2-55			Çevre şartlarına dayanıklılık deneyleri - Bölüm 2-55: Deneyler - Deney Ee ve kılavuz - Sıçrama dahil gevşek kargo deneyleri
United Nations		UN-D 1400			
ISTA - İnternational Safety Transportation Association		Procedure 1A - 1B-1C-1D-1E-1G-1H Procedure 2A -2B -2C Procedure 3A - 3B -3F -3K Procedure 4AB Procedure 7D - 7E			

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