



TURKISH ACCREDITATION AGENCY

## ACCREDITATION CERTIFICATE

As a Testing Laboratory

### ROKETSAN ROKET SANAYİ VE TİCARET ANONİM ŞİRKETİ

Central Address: KEMALPAŞA MAH. ŞEHİT YÜZBAŞI ADEM KUTLU CAD. ROKETSAN NO:21 AA ELMADAĞ Ankara / Türkiye

is accredited in accordance with TS EN ISO/IEC 17025:2017 standard within the scope given in Annex following the assessment conducted by TURKAK.

**Accreditation Number : AB-0548-T**

**Accreditation Date : 09.01.2013**

**Revision Date / Number : 04.09.2024 / 06**


This certificate shall remain in force until **07.05.2025**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2017**, related regulations and requirements.

Gülden Banu Müderrisoğlu  
Secretary General



Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Agreement (MRA) in the scope of ISO/IEC 17025.



*This document has been signed by Gülden Banu Müderrisoğlu with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.*

 <p>Türk TS EN ISO/IEC 17025 AB-0548-T</p>	<b>ROKETSAN ROKET SANAYİ VE TİCARET ANONİM ŞİRKETİ</b>	
	Accreditation Nr: AB-0548-T Revision Nr: 06 Date: 04.09.2024	
<b>Testing Laboratory</b>		
Address : KEMALPAŞA MAH. ŞEHİT YÜZBAŞI ADEM KUTLU CAD. ROKETSAN NO:21 AA ELMADAĞ Ankara / Türkiye	Phone : +90 312 860 5500 Fax : - Email : meryem.tutuncu@roketsan.com.tr Website : www.roketsan.com.tr	

5000 Ballistics and Explosives		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Mechanical, Electrical, Electronic Systems and Subsystems	501.5 High Temperature  2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature: -70°C /+150°C , Humidity: %2 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C , Humidity: %0,00 - %100, Pressure: 20 - 1100 mbar 1500 mm x 4000 mm x 1500 mm (Width x Length x Height) , Temperature: -75°C /+180°C , Humidity: %5 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -80°C /+180°C , Humidity: %10 - %98	MIL STD 810 G (501.5 (PRO I,II,III))
Mechanical, Electrical, Electronic Systems and Subsystems	503.5 Temperature Shock  2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature: -70°C /+150°C , Humidity: %2 - %98  1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C , Humidity: %0,00 - %100, Pressure: 20 - 1100 mbar 1500 mm x 4000 mm x 1500 mm (Width x Length x Height) , Temperature: -75°C /+180°C , Humidity: %5 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -80°C /+180°C , Humidity: %10 - %98	MIL STD 810 G (503.5(I-A,1-B,1-C,1-D))
Mechanical, Electrical, Electronic Systems and Subsystems	506.5 Rain  2250 mm x 8200 mm x 2500 mm (Width x Length x Height)	MIL STD 810 G (506.5(PRO II,III))
Mechanical, Electrical, Electronic Systems and Subsystems	502.5 Low Temperature  2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature: -70°C /+150°C , Humidity: %2 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C , Humidity: %0,00 - %100, Pressure: 20 - 1100 mbar 1500 mm x 4000 mm x 1500 mm (Width x Length x Height) , Temperature: -75°C /+180°C , Humidity: %5 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -80°C /+180°C , Humidity: %10 - %98	MIL STD 810 G 502.5 (PRO I,II,III)
Mechanical, Electrical, Electronic Systems and Subsystems	507.5 Humidity  2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature: -70°C /+150°C , Humidity: %2 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C , Humidity: %0,00 - %100, Pressure: 20 - 1100 mbar 1500 mm x 4000 mm x 1500 mm (Width x Length x Height) , Temperature: -75°C /+180°C , Humidity: %5 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -80°C /+180°C , Humidity: %10 - %98	MIL STD 810 G 507.5 (PRO I,II)
Mechanical, Electrical, Electronic Systems and Subsystems	509.5 Salt Fog  700 mm x 1700 mm x 800 mm (Width x Length x Height) 1650 mm x 6000 mm x 1550 mm (Width x Length x Height)	MIL STD 810 G (509.5)





## Accreditation Scope

 TÜRKAK  Test TS EN ISO/IEC 17025 AB-0548-T	<b>ROKETSAN ROKET SANAYİ VE TİCARET ANONİM ŞİRKETİ</b> Accreditation Nr: AB-0548-T Revision Nr: 06 Date: 04.09.2024	
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Mechanical, Electrical, Electronic Systems and Subsystems	Mechanical Vibrations Of Shipboard Equipment Vibration device table size: 2,0 m x 2,0 m x 0,8 m (Width x Length x Height)	MIL-STD-167-1 MIL-STD-167-1A T ype 2 - Internal Excited
Mechanical, Electrical, Electronic Systems and Subsystems	Mechanical Shock (Electrodynamic Shaker) Mechanical shock device table size: 950 cm x 1150 cm (Width x Length) Vibration device table size: 2,0 m x 2,0 m x 0,8 m (Width x Length x Height)	MIL-STD-810G Metot 516.6 Procedure I - Functional Shock
Mechanical/Electric/ Electronic Systems and Sub Systems	Mechanical Vibrations Of Shipboard Equipment Vibration device table size: 2,0 m x 2,0 m x 0,8 m (Width x Length x Height)	MIL-STD-167-1 MIL-STD-167-1A Type1- Environmental Vibration
Mechanical, Electrical, Electronic Systems and Subsystems	500.5 Low Pressure (Altitude) 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C. ; : %0,00 - %100, Pressure: 20 - 1100 mbar	MIL STD 810 G 500.5 (PRO I,II)
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	514.5 Vibration Vibration device table size: 1,2 m x 1,2 m x 0,8 m (Width x Length x Height) Vibration device table size: 2,0 m x 2,0 m x 0,8 m (Width x Length x Height)	MIL-STD-810F Method 514.5 Vibration <u>Manufacture/Maintenance</u> Category 1 - Manufacturing / Maintenance Processes (*) Category 2 - Shipping and Handling (*) Category 3 - Environmental Stress Screening (*) <u>Transportation</u> Category 4 - Truck / trailer / tracked - restrained cargo (**) Category 7 - Aircraft - jet Category 8 - Aircraft - propeller Category 9 - Aircraft - helicopter (**) Category 10 - Ship - surface ship (**) Category 11 - Railroad - train (**) <u>Operational</u> Category 12 - Fixed wing aircraft - jet aircraft Category 13- Fixed wing aircraft - propeller aircraft Category 14 - Rotary wing aircraft - helicopter (**) Category 16 - Aircraft stores - materiel, jet aircraft Category 17 - Aircraft stores - assembled/materiel, propeller aircraft Category 18 - Aircraft stores - assembled / materiel, helicopter (**) Category 19 - Missiles - Tactical missiles (free flight) Category 20 - Ground vehicles - ground mobile Category 21 - W atercraft - marine vehicles (**) (*) No defined test profile. Designer/Client test profile shall be used in accordance with the standard requirements set out by the manufacturer. (**) Technical restrictions or limitations related to the test item changes permitted by the standard are available.
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	514.5 Vibration Vibration device table size: 1,2 m x 1,2 m x 0,8 m (Width x Length x Height) Vibration device table size: 2,0 m x 2,0 m x 0,8 m (Width x Length x Height)	MIL-STD-810F Method 514.5 Vibration <u>Operational</u> Category 15 - Aircraft stores - assembled, jet aircraft (*) Category 22 Turbine Engines Category 23 Personnel (*) <u>Supplemental</u> Category 24 Minimum Integrity Category 25 All V ehicles - cantilevered external material (*) (*) No defined test profile. Designer/Client test profile shall be used in accordance with the standard requirements set out by the manufacturer.




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Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<p>514.6 Vibration</p> <p>Vibration device table size: 1,2 m x 1,2 m x 0,8 m (Width x Length x Height) Vibration device table size: 2,0 m x 2,0 m x 0,8 m (Width x Length x Height)</p>	<p>MIL-STD-810G Method 514.6 Vibration <u>Manufacture/Maintenance</u> Category 1 - Manufacturing / Maintenance Processes (*) Category 2 - Shipping and Handling (*) Category 3 - Environmental Stress Screening (*) <u>Transportation</u> Category 4 - Truck / trailer / tracked - restrained cargo (**) Category 7 - Aircraft - jet Category 8 - Aircraft - propeller Category 9 - Aircraft - helicopter (**) Category 10 - Ship - surface ship (**) Category 11 - Railroad - train (**) <u>Operational</u> Category 12 - Fixed wing aircraft - jet aircraft Category 13- Fixed wing aircraft - propeller aircraft Category 14 - Rotary wing aircraft - helicopter (**) Category 16 - Aircraft stores - materiel, jet aircraft Category 17 - Aircraft stores - assembled/materiel, propeller aircraft Category 18 - Aircraft stores - assembled / materiel, helicopter (**) Category 19 - Missiles - Tactical missiles (free flight) Category 20 - Ground vehicles - ground mobile Category 21 - W atercraft - marine vehicles (**)</p> <p>(*) No defined test profile. Designer/Client test profile shall be used in accordance with the standard requirements set out by the manufacturer. (**)Technical restrictions or limitations related to the test item changes permitted by the standard are available.</p>
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<p>514.6 Vibration</p> <p>Vibration device table size: 1,2 m x 1,2 m x 0,8 m (Width x Length x Height) Vibration device table size: 2,0 m x 2,0 m x 0,8 m (Width x Length x Height)</p>	<p>MIL-STD-810G Method 514.6 Vibration <u>Operational</u> Category 15 - Aircraft stores - assembled, jet aircraft (*) Category 22 Turbine Engines Category 23 Personnel (*) <u>Supplemental</u> Category 24 Minimum Integrity Category 25 All V ehicles - cantilevered external material (*)</p> <p>(*) No defined test profile. Designer/Client test profile shall be used in accordance with the standard requirements set out by the manufacturer.</p>
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<p>Extreme Temperature</p> <p>2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature: -70°C /+150°C , Humidity: %2 - %98 1980 mm x 6950 mm x 2420 mm (Width x Length x Height) , Temperature: -75°C /+100°C , Humidity: %20 - %95 1500 mm x 3000 mm x 1500 mm (Width x Length x Height) , Temperature: -75°C /+100°C 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C , Humidity: %0,00 - %100, Pressure: 20 - 1100 mbar 1500 mm x 4000 mm x 1500 mm (Width x Length x Height) , Temperature: -75°C /+180°C , Humidity: %5 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -80°C /+180°C , Humidity: %10 - %98</p>	<p>MIL-STD-331C Test C6 Extreme Temperature</p>
Mechanical, Electrical, Electronic Systems and Subsystems	<p>500.5 Low Pressure (Altitude)</p> <p>1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C , Humidity: %0,00 - %100, Pressure: 20 - 1100 mbar</p>	<p>MIL-STD-810F Metot 500.4 Procedure I - Storage/Air Transport. Procedure II - Operation/Air Carriage.</p>




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Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>Temperature and Humidity Test</b> 2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature: -70°C /+150°C , Humidity: %2 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C , Humidity: %0,00 - %100, Pressure: 20 - 1100 mbar 1500 mm x 4000 mm x 1500 mm (Width x Length x Height) , Temperature: -75°C /+180°C , Humidity: %5 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -80°C /+180°C , Humidity: %10 - %98	MIL-STD-331C Test C1 Temperature and Humidity
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>Tactical Vibration Test</b> Vibration device table size: 2,0 m x 2,0 m x 0,8 m (Width x Length x Height)	MIL-STD-331C Test B3 Tactical Vibration
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>Transport Vibration Test</b> Vibration device table size: 2,0 m x 2,0 m x 0,8 m (Width x Length x Height)	MIL-STD-331C Test B1.2.2.1 Secured cargo test.
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>521.3 Snow Icing Test</b> 2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature: -70°C /+150°C , Humidity: %2 - %98	MIL-STD-810F Metot 521.2 Procedure - Ice Accretion
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>521.3 Snow Icing Test</b> 2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature: -70°C /+150°C , Humidity: %2 - %98	MIL STD 810 G (521.3)
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>506.5 Rain</b> 2250 mm x 8200 mm x 2500 mm (Width x Length x Height)	MIL-STD-810F Metot 506.4 Procedure II - Exaggerated Procedure III - Drip.
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>509.5 Salt Fog</b> 700 mm x 1700 mm x 800 mm (Width x Length x Height) 1650 mm x 6000 mm x 1550 mm (Width x Length x Height)	MIL-STD-810F Metot 509.4
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>Mechanical Shock (Electrodynamic Shaker)</b> Mechanical shock device table size: 950 cm x 1150 cm (Width x Length) Vibration device table size: 2,0 m x 2,0 m x 0,8 m (Width x Length x Height)	MIL-STD-810F Metot 516.5 Procedure I - Functional Shock.
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>507.5 Humidity</b> 2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature: -70°C /+150°C , Humidity: %2 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C , Humidity: %0,00 - %100, Pressure: 20 - 1100 mbar 1500 mm x 4000 mm x 1500 mm (Width x Length x Height) , Temperature: -75°C /+180°C , Humidity: %5 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -80°C /+180°C , Humidity: %10 - %98	MIL-STD-810F Metot 507.4 Procedure I (Induced cycles B1, B2, or B3, followed by natural cycles B1, B2, or B3) Procedure II - Aggravated



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Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>502.5 Low Temperature</b>  2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature: -70°C /+150°C , Humidity: %2 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C , Humidity: %0,00 - %100, Pressure: 20 - 1100 mbar 1500 mm x 4000 mm x 1500 mm (Width x Length x Height) , Temperature: -75°C /+180°C , Humidity: %5 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -80°C /+180°C , Humidity: %10 - %98	MIL-STD-810F Metot 502.4 Procedure I - Storage. Procedure II - Operation. Procedure III - Manipulation.
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>501.5 High Temperature</b>  2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature:-70°C /+150°C , Humidity: %2 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C , Humidity: %0,00 - %100, Pressure: 20 - 1100 mbar 1500 mm x 4000 mm x 1500 mm (Width x Length x Height) , Temperature:-75°C /+180°C , Humidity: %5 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -80°C /+180°C , Humidity: %10 - %98	MIL-STD-810F Metot 501.4 Procedure I - Storage. Procedure II - Operation. Procedure III - Tactical-Standby to Operational.
Rocket / Missile Systems, Rocket and Missile Subparts and Other Civilian Products	<b>503.5 Temperature Shock</b>  2000 mm x 8000 mm x 2500 mm (Width x Length x Height) , Temperature:-70°C /+150°C , Humidity: %2 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -70°C /+125°C , Humidity: %0,00 - %100, Pressure: 20 - 1100 mbar 1500 mm x 4000 mm x 1500 mm (Width x Length x Height) , Temperature:-75°C /+180°C , Humidity: %5 - %98 1000 mm x 1500 mm x 1000 mm (Width x Length x Height) , Temperature: -80°C /+180°C , Humidity: %10 - %98	MIL-STD-810F Metot 503.4 Procedure I-A One-way shock(s) from constant extreme temperature Procedure I-B Single cycle shock from constant extreme temperature Procedure I-C Multi-cycle shocks from constant extreme temperature Procedure I-D Shocks to or from controlled ambient temperature

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