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Accreditation Scope

	<p>BOĞAZIÇI ÜNİVERSİTESİ SABİH TANSAL YÜKSEK AKIM LABORATUVARI Büstyal</p> <p>Accreditation Nr: AB-0479-T Revision Nr: 04 Date: 04.12.2018</p>		
<p>Test TS EN ISO/IEC 17025 AB-0479-T</p>	<p>As a Testing Laboratory</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Address: Boğaziçi Üniversitesi Kuzey Kampüs B Kapısı Bebek 34342 İSTANBUL/TÜRKİYE</p> </td> <td style="width: 50%; vertical-align: top;"> <p>Phone : 0212 359 46 45 Fax : 0212 359 64 15 E-Mail : buyal@boun.edu.tr Website : www.buyal.boun.edu.tr</p> </td> </tr> </table>	<p>Address: Boğaziçi Üniversitesi Kuzey Kampüs B Kapısı Bebek 34342 İSTANBUL/TÜRKİYE</p>	<p>Phone : 0212 359 46 45 Fax : 0212 359 64 15 E-Mail : buyal@boun.edu.tr Website : www.buyal.boun.edu.tr</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Instrument transformers- Current transformers	Short-time current tests I _{rms} =0-100kA / 0-3s Temperature-rise tests 0-6000A Dielectric tests (Power frequency withstand voltage test 0-5kV) Intern-turn overvoltage test	TS EN 61869-1 TS EN 61869-2
Instrument transformers- Voltage transformers	Short-time current tests I _{rms} =0-100kA / 0-3s Temperature-rise tests 0-6000A Dielectric tests (Power frequency withstand voltage test 0-5kV)	TS EN 61869-1 TS EN 61869-3 TS EN 61869-5
Instrument transformers- Electronic current transformers	Short-time current tests I _{rms} =0-100kA / 0-3s Temperature-rise tests 0-6000A Dielectric tests (Power frequency withstand voltage test 0-5kV)	TS EN 60044-8
Low-voltage switchgear and controlgear assemblies	Short-circuit protection and short-circuit withstand strength tests I _{rms} =0-100kA / 0-3s Internal arc tests I _{rms} =0-100kA / 0-3s Temperature-rise tests 0-6000A Dielectric tests (Power frequency withstand voltage test 0-5kV) Protection against electric shock and integrity of protective circuits	TS EN 61439-1 TS EN 61439-2 TS EN 61439-3 TS EN 61439-4 TS EN 61439-5 TS EN 61439-6 IEC/TR 61641

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 <p style="font-size: small; margin-top: 5px;">Test TS EN ISO/IEC 17025 AB-0479-T</p>	<p>BOĞAZIÇI ÜNİVERSİTESİ SABİH TANSAL YÜKSEK AKIM LABORATUVARI Büstyal</p> <p>Accreditation Nr: AB-0479-T Revision Nr: 04 Date: 04.12.2018</p>
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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
High voltage switchgear and controlgear - Alternating current disconnectors and earthing switches	Short-time and peak withstand current tests I _{rms} =0-100kA / 0-3s Temperature-rise tests 0-6000A Measurement of the resistance of main circuits Measurement of the resistance of auxiliary circuits Mechanical endurance tests	TS EN 62271-102 TS EN 62271-1
High voltage switchgear and controlgear - Alternating current switch-fuse combinations	Short-time and peak withstand current tests I _{rms} =0-100kA / 0-3s Temperature-rise tests 0-6000A Measurement of the resistance of main circuits Measurement of the resistance of auxiliary circuits Mechanical endurance tests	TS EN 62271-105 TS EN 62271-1
High voltage switchgear and controlgear - Alternating current current-breakers	Short-time and peak withstand current tests I _{rms} =0-100kA / 0-3s Temperature-rise tests 0-6000A Measurement of the resistance of main circuits Measurement of the resistance of auxiliary circuits Mechanical endurance tests	TS EN 62271-100 TS EN 62271-1
High voltage switchgear and controlgear - AC metal-enclosed switchgear and controlgear for voltages above 1kV and up to and including 52kV	Short-time and peak withstand current tests I _{rms} =0-100kA / 0-3s Temperature-rise tests 0-6000A Measurement of the resistance of main circuits Measurement of the resistance of auxiliary circuits Mechanical endurance tests	TS EN 62271-200 TS EN 62271-1

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Low-voltage fuses	Breaking capacity and breaking-current characterization tests $I_{rms}=0-100kA$ $I_{peak}=245kA$ Temperature-rise and power loss tests 0-6000A Conventional non-fusing and fusing current tests	TS HD 60269-1 TS HD 60269-2
Electrical accessories - Circuit breakers for overcurrent protection for household and similar installations - Circuit-breakers for AC operation	Short circuit tests $I_{rms}=0-100kA$ $I_{peak}=245kA$ Dielectric tests (Power frequency withstand voltage test 0-5kV)	TS 5018-1 EN 60898-1 TS EN 60898-2
Power transformers-Part 5: Ability to withstand short-circuit	Thermal ability to withstand short-circuit, Ability to withstand the dynamic effect of short-circuit	TS EN 60076-5 TS EN 60076-3
Power transformers-Part 6: Reactors	Short-circuit withstand tests $I_{rms}=0-100kA$ / 0-3s Temperature-rise tests 0-6000A Dielectric tests (Power frequency withstand voltage test 0-5kV)	TS EN 60076-6 TS EN 60076-3
Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	Short-circuit tests $I_{rms}=0-100kA$ $I_{peak}=245kA$ Temperature-rise tests 0-6000A Dielectric tests (Power frequency withstand voltage test 0-5kV) Verification of overload releases	TS EN 60947-2 TS EN 60947-1

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units	Short-circuit withstand tests I _{rms} =0-100kA / 0-3s Temperature-rise tests 0-6000A Dielectric tests (Power frequency withstand voltage test 0-5kV)	TS EN 60947-3 TS EN 60947-1
High-voltage fuses - Part 1: Current-limiting fuses	Temperature-rise and power loss tests 0-6000A Time-Current Characterization tests 0-6000A Mechanical characteristic of strikers Waterproof test (ingress of moisture) Thermal shock test	TS EN 60282-1
Compression and mechanical connectors for power cables for rated voltages up to 36 kV	Short-circuit current tests I _{rms} =0-100kA / 0-3s Temperature-rise and cycle tests 0-6000A	TS EN 61238-1
Test methods for accessories for power cables with rated voltages from 6 kV up to 36 kV	Short-circuit current tests I _{rms} =0-100kA / 0-3s Temperature-rise and cycle tests 0-6000A	TS EN 61442 TS IEC 60502-1 TS IEC 60055-1
Tap-changers	Short-circuit current tests I _{rms} =0-100kA / 0-3s Temperature-rise and cycle tests 0-6000A	TS EN 60214-1 TS EN 60214-2

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
Surge arresters	Short-circuit current tests I _{rms} =0-100kA / 0-3s	TS EN 60099-1 TS EN 60099-4 TS EN 60099-5 TS EN 60099-8 TS EN 60099-9
Cable cleats for electrical installations	Short-circuit current tests I _{rms} =0-100kA / 0-3s	TS EN 61914
Live working - Portable equipment for earthing or earthing and short-circuiting	Short-circuit current tests I _{rms} =0-100kA / 0-3s	TS EN 61230
Overhead lines - Requirements and tests for fittings	Short-circuit current tests I _{rms} =0-100kA / 0-3s	TS EN 61284
Short-circuit temperature limits of electric cables with rated voltages above 30 kV	Short circuit current tests I _{rms} =0-100kA / 0-3s	TS IEC 61443+A1
Power cables with extruded insulation and their accessories for rated voltages above 30 kV up to 150 kV-Test methods and requirements	Short circuit current tests I _{rms} =0-100kA / 0-3s Temperature rise/ Heat cycle tests 0-6000A	TS IEC 60840

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Tested Materials / Products	Name of Test	Testing Method (National, International standards, in house methods)
High voltage switchgear and controlgear - Switches for rated voltages above 1 kV up to and including 52 kV	Short-time and peak withstand current tests I _{rms} =0-100kA / 0-3s Temperature-rise tests 0-6000A Measurement of the resistance of main circuits Measurement of the resistance of auxiliary circuits Mechanical endurance tests	TS EN 62271-103 TS EN 62271-1

End of Scope

Orbay EVRENSEVDİ
Deputy Secretary General