

کمیته ملی برق و الکترونیک ایران  
Iranian National Electrotechnical Committee



نشست ترمیم ساختار کمیته فنی

INEC TC 121 متناظر با IEC TC 121

**“Switchgear and controlgear and their assemblies for low  
voltage”**

«وسایل قطع و وصل و فرمان و ملحقات آن ها برای ولتاژ پایین»

مکان: جلسه مجازی (سامانه جلسات آنلاین سازمان)

۱۳۹۹/۰۳/۳۱

« بسمه تعالی »

کمیته ملی برق و الکترونیک ایران (INEC)

دستور کار: نشست ترمیم ساختار کمیته فنی INEC TC 121

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ردیف	ساعت	موضوع
۱	۱۰:۰۰ الی ۱۰:۰۵	تلاوت قرآن مجید
۲	۱۰:۲۰ الی ۱۰:۰۵	خوشامدگویی
۳	۱۰:۲۰ الی ۱۰:۳۰	الف- اهداف، وظایف، ساختار و فعالیت های سازمان بین المللی الکتروتکنیک (IEC) و کمیته ملی برق و الکترونیک ایران (INEC) ب- ساختار و فعالیت های کمیته فنی IEC TC 121
۴	۱۰:۳۰ الی ۱۱:۵۵	انتخاب هیات رئیسه
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## **TC 121**

# **Switchgear and controlgear and their assemblies for low voltage**

## **Scope of TC 121**

### **Scope:**

To prepare international standards for low-voltage switchgear and controlgear equipment for industrial, commercial and similar use rated below or equal to 1 kV a.c. and 1,5 kV d.c, electromechanical as well as semiconductor (solid state) equipment. The scope includes open and enclosed separate items of equipment as well as assemblies which are the combinations of items of equipment into complete functional units.

### **Officers of TC 121**

- **Chairman: Mr Karl Hiereth (DE)**
- **Secretary: Mr Eric Bettega (FR)**
- **Assistant Secretary: Mr Michaël LAHEURTE (FR)**
- **Secretariat: France**
- **Participating countries: 25**
- **Observer Countries: 19**

### **Structure of TC 121**

<b>Label</b>	<b>Title</b>
<b>Subcommittees</b>	
SC 121A	Low-voltage switchgear and controlgear
SC 121B	Low-voltage switchgear and controlgear assemblies
<b>Working Groups</b>	
WG 1	Energy Efficiency
WG 2	Environmental aspects for Low-Voltage Switchgear and Controlgear and their assemblies.

## Members of TC 121

Country	Country Code	P/O Status	IEC Membership
Argentina	AR	O-Member	Full Member
Austria	AT	P-Member	Full Member
Belgium	BE	P-Member	Full Member
Bulgaria	BG	O-Member	Full Member
Brazil	BR	O-Member	Full Member
Canada	CA	P-Member	Full Member
Switzerland	CH	P-Member	Full Member
China	CN	P-Member	Full Member
Czech Republic	CZ	P-Member	Full Member
Germany	DE	P-Member	Full Member
Denmark	DK	P-Member	Full Member
Egypt	EG	P-Member	Full Member
Spain	ES	P-Member	Full Member
Finland	FI	P-Member	Full Member
France	FR	P-Member	Full Member
United Kingdom	GB	P-Member	Full Member
Greece	GR	O-Member	Full Member
Croatia	HR	O-Member	Full Member
Hungary	HU	O-Member	Full Member
Indonesia	ID	P-Member	Full Member
Ireland	IE	P-Member	Full Member
India	IN	P-Member	Full Member
Iran	IR	O-Member	Full Member
Italy	IT	P-Member	Full Member
Japan	JP	P-Member	Full Member
Korea, Republic of	KR	P-Member	Full Member
Mexico	MX	O-Member	Full Member
Malaysia	MY	O-Member	Full Member
Netherlands	NL	P-Member	Full Member
Norway	NO	O-Member	Full Member
New Zealand	NZ	O-Member	Full Member
Poland	PL	P-Member	Full Member
Portugal	PT	O-Member	Full Member
Romania	RO	O-Member	Full Member
Russian Federation	RU	P-Member	Full Member
Saudi Arabia	SA	O-Member	Full Member
Sweden	SE	P-Member	Full Member
Singapore	SG	O-Member	Full Member
Slovenia	SI	O-Member	Full Member
Slovakia	SK	O-Member	Full Member
Turkey	TR	O-Member	Full Member
United States of America	US	P-Member	Full Member
South Africa	ZA	P-Member	Full Member

## TC 121 Liaisons

Internal IEC Liaison	
TC 22	Power electronic systems and equipment
SC 23K	Electrical Energy Efficiency products
SC 32B	Low-voltage fuses
TC 111	Environmental standardization for electrical and electronic products and systems

## SC 121A

### Low-voltage switchgear and controlgear

#### SC 121A Scope

To prepare international standards for low-voltage switchgear and controlgear equipment for industrial, commercial and similar use rated below or equal to 1 kV a.c. and 1,5 kV d.c.. The scope includes open and enclosed separate items of equipment as well as combinations of items of equipment into complete functional units, electromechanical as well as semiconductor (solid state) equipment.

#### Group Safety Function:

Connecting devices, either as separate entities or as integral parts of an end product for connecting external electrical supply conductors, for use with conductor cross-sections above 35 mm<sup>2</sup> up to and including 300 mm<sup>2</sup>.

#### SC 121A Officers:

- ❖ **Chairman:** Mr Karl Hiereth (DE)
- ❖ **Secretary:** Mr Eric Bettega (FR)
- ❖ **Secretariat:** France
- ❖ **Participating countries:** 31
- ❖ **Observer countries:** 20

#### SC 121A Structure

Label	Title
<b>Working Groups</b>	
WG 1	Insulation coordination
WG 2	Contactors, starters and similar equipment
WG 3	Control switches

WG 10	Constructional requirements and environmental aspects
WG 17	Product data and properties for information exchange
WG 19	Internal arc-fault detection and combined mitigation devices
<b>Project Teams</b>	
PT 60947-7-5	Low-voltage switchgear and controlgear - Part 7-5: Ancillary equipment - Terminal blocks for aluminium conductors
<b>Maintenance Teams</b>	
MT 5	General rules
MT 6	Switches, disconnectors and similar equipment
MT 7	EMC, wireless communication and built-in electronics
MT 8	Terminal blocks and clamping units
MT 9	Circuit-breakers
MT 18	Transfer switching equipment (TSE)
MT 20	Controllers for drivers of stationary fire pumps
<b>Joint Working Groups</b>	
JWG 22	Atmospheric and altitude correction Managed by TC 42
<b>Advisory Groups</b>	
AG 4	Advisory Group of SC 121A

## **SC 121A Liaisons**

<b>Committee</b>	<b>Description</b>
<b>Internal IEC Liaison</b>	
TC 2	Rotating machinery
TC 3	Documentation, graphical symbols and representations of technical information
SC 3C	Graphical symbols for use on equipment
SC 3D	Classes, Properties and Identification of products - Common Data Dictionary (CDD)
TC 18	Electrical installations of ships and of mobile and fixed offshore units
SC 22G	Adjustable speed electric drive systems incorporating semiconductor power converters
SC 22H	Uninterruptible power systems (UPS)
TC 31	Equipment for explosive atmospheres
SC 32B	Low-voltage fuses
SC 32C	Miniature fuses
SC 34C	Auxiliaries for lamps
TC 44	Safety of machinery - Electrotechnical aspects
TC 64	Electrical installations and protection against electric shock

TC 65	Industrial-process measurement, control and automation
SC 65C	Industrial networks
SC 65E	Devices and integration in enterprise systems
TC 77	Electromagnetic compatibility
SC 77A	EMC - Low frequency phenomena
TC 82	Solar photovoltaic energy systems
TC 85	Measuring equipment for electrical and electromagnetic quantities
TC 89	Fire hazard testing
TC 94	All-or-nothing electrical relays
TC 109	Insulation co-ordination for low-voltage equipment
TC 112	Evaluation and qualification of electrical insulating materials and systems
SC 121B	Low-voltage switchgear and controlgear assemblies
CIS/B	Interference relating to industrial, scientific and medical radio-frequency apparatus, to other (heavy) industrial equipment, to overhead power lines, to high voltage equipment and to electric traction
ISO/IEC JTC 1/SC 27	Information security, cybersecurity and privacy protection

Working Groups	Description	Organization
<b>Liaison C</b>		
WG 17	Product data and properties for information exchange	eClass e.V

## **SC 121B**

### **Low-voltage switchgear and controlgear assemblies**

#### **SC 121B Scope**

To prepare international standards covering assemblies which are combinations of one or more pieces of low-voltage switchgear and controlgear equipment, not exceeding 1 kV a.c. or 1,5 kV d.c. together with associated control and/or power equipment, measuring, signalling, protective, regulating equipment, etc.

#### **SC 121B Officers**

- ❖ **Chairman: Mr Adam Tennant (GB)**
- ❖ **Secretary: Mr André Kling (DE)**
- ❖ **Secretariat: Germany**
- ❖ **Participating countries: 29**
- ❖ **Observer countries: 22**

## SC 121B Structure

Label	Title
<b>Project Teams</b>	
PT 63107	Low-voltage switchgear and controlgear assemblies – Integration of arc fault mitigation systems
PT 63290	General technical requirements for intelligent assemblies
<b>Maintenance Teams</b>	
MT 2	Maintenance of IEC 61439-1, IEC 61439-2, IEC/TR 61439-0, IEC/TR 60890 and IEC/TR 61641
MT 3	Maintenance of IEC 61439-6
MT 4	Maintenance of IEC 61439-3
MT 5	Maintenance of IEC 61439-4
MT 6	Maintenance of IEC 62208
MT 7	Maintenance of IEC 61439-5
MT 8	Maintenance of IEC 61439-7 Ed.1

## SC 121B Liaisons

Committee	Description
SC 17C	Assemblies
TC 44	Safety of machinery - Electrotechnical aspects
TC 64	Electrical installations and protection against electric shock
TC 69	Electrical power/energy transfer systems for electrically propelled road vehicles and industrial trucks
TC 82	Solar photovoltaic energy systems



SC 121A	Low-voltage switchgear and controlgear
CIS/B	Interference relating to industrial, scientific and medical radio-frequency apparatus, to other (heavy) industrial equipment, to overhead power lines, to high voltage equipment and to electric traction

## Publications by IEC TC 121 and SCs

Reference	Edition	Date	Title	Language
IEC TR 63196:2020	Edition 1.0	2020-01-28	Switchgear and controlgear and their assemblies for low-voltage - Energy efficiency	EN
IEC 60715:2017	Edition 2.0	2017-07-28	Dimensions of low-voltage switchgear and controlgear - Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories	EN-FR
IEC 60947:2020 SER	Edition 1.0	2020-04-22	Low-voltage switchgear and controlgear - ALL PARTS	EN-FR
IEC 60947-1:2020	Edition 6.0	2020-04-22	Low-voltage switchgear and controlgear - Part 1: General rules	EN-FR
IEC 60947-2:2016+AMD1:2019 CSV	Edition 5.1	2019-07-08	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	EN-FR
IEC 60947-2:2016+AMD1:2019 CSV/COR1:2019	Edition 5.1	2019-10-11	Corrigendum 1 - Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	EN-FR
IEC 60947-2:2016 RLV	Edition 5.0	2016-06-07	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	EN
IEC 60947-2:2016	Edition 5.0	2016-06-07	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	EN-FR, ES
IEC 60947-2:2016/COR1:2016	Edition 5.0	2016-11-18	Corrigendum 1 - Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	EN-FR
IEC 60947-2:2016/AMD1:2019	Edition 5.0	2019-07-08	Amendment 1 - Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	EN-FR
IEC 60947-3:2020	Edition 4.0	2020-04-22	Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units	EN-FR

Reference	Edition	Date	Title	Language
IEC 60947-4-1:2018	Edition 4.0	2018-10-25	Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters	EN-FR
IEC 60947-4-1:2018 RLV	Edition 4.0	2018-10-25	Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters	EN
IEC 60947-4-1:2018/ISH1:2020	Edition 4.0	2020-03-13	Interpretation sheet 1 - Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters	EN-FR
IEC 60947-4-1:2018/COR1:2020	Edition 4.0	2020-04-22	Corrigendum 1 - Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters	EN-FR
IEC 60947-4-2:2011	Edition 3.0	2011-05-18	Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters	EN-FR, ES
IEC 60947-4-2:2011/COR1:2012	Edition 3.0	2012-07-25	Corrigendum 1 - Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters	EN-FR
IEC 60947-4-3:2014	Edition 2.0	2014-05-07	Low-voltage switchgear and controlgear - Part 4-3: Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads	EN-FR, ES
IEC 60947-5-1:2016 RLV	Edition 4.0	2016-05-25	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	EN
IEC 60947-5-1:2016	Edition 4.0	2016-05-25	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	EN-FR, ES

Reference	Edition	Date	Title	Language
IEC 60947-5-1:2016/COR1:2016	Edition 4.0	2016-07-15	Corrigendum 1 - Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	EN-FR
IEC 60947-5-1:2016/COR2:2020	Edition 4.0	2020-04-22	Corrigendum 2 - Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	EN-FR
IEC 60947-5-2:2019	Edition 4.0	2019-10-18	Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches	EN-FR
IEC 60947-5-3:2013	Edition 2.0	2013-08-06	Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDb)	EN-FR, ES
IEC 60947-5-4:2002+AMD1:2019 CSV	Edition 2.1	2019-05-22	Low-voltage switchgear and controlgear - Part 5-4: Control circuit devices and switching elements - Method of assessing the performance of low-energy contacts - Special tests	EN-FR
IEC 60947-5-4:2002	Edition 2.0	2002-10-15	Low-voltage switchgear and controlgear - Part 5-4: Control circuit devices and switching elements - Method of assessing the performance of low-energy contacts - Special tests	EN-FR, ES
IEC 60947-5-4:2002/AMD1:2019	Edition 2.0	2019-05-22	Amendment 1 - Low-voltage switchgear and controlgear - Part 5-4: Control circuit devices and switching elements - Method of assessing the performance of low-energy contacts - Special tests	EN-FR
IEC 60947-5-5:1997+AMD1:2005+AMD2:2016 CSV	Edition 1.2	2016-02-29	Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	EN-FR

Reference	Edition	Date	Title	Language
IEC 60947-5-5:1997+AMD1:2005 CSV	Edition 1.1	2005-04-06	Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	EN-FR
IEC 60947-5-5:1997	Edition 1.0	1997-11-26	Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	EN-FR, ES
IEC 60947-5-5:1997/AMD1:2005	Edition 1.0	2005-01-17	Amendment 1 - Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	EN-FR, ES
IEC 60947-5-5:1997/AMD1:2005/COR1:2007	Edition 1.0	2007-07-25	Corrigendum 1 - Amendment 1 - Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	EN-FR
IEC 60947-5-5:1997/AMD2:2016	Edition 1.0	2016-02-29	Amendment 2 - Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	EN-FR, ES
IEC 60947-5-6:1999	Edition 1.0	1999-12-17	Low-voltage switchgear and controlgear - Part 5-6: Control circuit devices and switching elements - DC interface for proximity sensors and switching amplifiers (NAMUR)	EN-FR, ES
IEC 60947-5-7:2003	Edition 1.0	2003-06-11	Low-voltage switchgear and controlgear - Part 5-7: Control circuit devices and switching elements - Requirements for proximity devices with analogue output	EN-FR, ES
IEC 60947-5-8:2006	Edition 1.0	2006-10-11	Low-voltage switchgear and controlgear - Part 5-8: Control circuit devices and switching elements - Three-position enabling switches	EN-FR, ES

Reference	Edition	Date	Title	Language
IEC 60947-5-9:2006	Edition 1.0	2006-12-08	Low-voltage switchgear and controlgear - Part 5-9: Control circuit devices and switching elements - Flow rate switches	EN-FR, ES
IEC 60947-6-1:2005+AMD1:2013 CSV	Edition 2.1	2013-12-13	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment	EN-FR
IEC 60947-6-1:2005	Edition 2.0	2005-08-31	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment	EN-FR, ES
IEC 60947-6-1:2005/AMD1:2013	Edition 2.0	2013-12-13	Amendment 1 - Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment	EN-FR, ES
IEC 60947-6-2:2002+AMD1:2007 CSV	Edition 2.1	2007-03-30	Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment - Control and protective switching devices (or equipment) (CPS)	EN-FR
IEC 60947-6-2:2002	Edition 2.0	2002-10-18	Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment - Control and protective switching devices (or equipment) (CPS)	EN-FR, ES
IEC 60947-6-2:2002/AMD1:2007	Edition 2.0	2007-01-24	Amendment 1 - Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment - Control and protective switching devices (or equipment) (CPS)	EN-FR, ES
IEC 60947-7-1:2009	Edition 3.0	2009-04-20	Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors	EN-FR, ES
IEC 60947-7-2:2009	Edition 3.0	2009-04-20	Low-voltage switchgear and controlgear - Part 7-2: Ancillary equipment - Protective conductor terminal blocks for copper conductors	EN-FR, ES
IEC 60947-7-3:2009	Edition 2.0	2009-04-20	Low-voltage switchgear and controlgear - Part 7-3: Ancillary equipment - Safety requirements for fuse terminal blocks	EN-FR, ES
IEC 60947-7-4:2019	Edition 2.0	2019-01-18	Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors	EN-FR

Reference	Edition	Date	Title	Language
IEC 60947-7-4:2019 RLV	Edition 2.0	2019-01-18	Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors	EN
IEC 60947-8:2003+AMD1:2006+AMD2:2011 CSV	Edition 1.2	2011-10-18	Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines	EN-FR
IEC 60947-8:2003+AMD1:2006 CSV	Edition 1.1	2006-11-24	Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines	EN-FR, EN, FR
IEC 60947-8:2003	Edition 1.0	2003-05-27	Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines	EN-FR, ES
IEC 60947-8:2003/AMD1:2006	Edition 1.0	2006-09-25	Amendment 1 - Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines	EN-FR, EN, FR, ES
IEC 60947-8:2003/AMD2:2011	Edition 1.0	2011-05-18	Amendment 2 - Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines	EN-FR, ES
IEC 60947-9-1:2019	Edition 1.0	2019-01-16	Low-voltage switchgear and controlgear - Part 9-1: Active arc-fault mitigation systems - Arc quenching devices	EN-FR
IEC 60999-2:2003	Edition 2.0	2003-05-09	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units - Part 2: Particular requirements for clamping units for conductors above 35 mm <sup>2</sup> up to 300 mm <sup>2</sup> (included)	EN-FR, ES
IEC 61095:2009	Edition 2.0	2009-02-05	Electromechanical contactors for household and similar purposes	EN-FR, ES
IEC TR 61912-1:2007	Edition 1.0	2007-08-23	Low-voltage switchgear and controlgear - Overcurrent protective devices - Part 1: Application of short-circuit ratings	EN-FR

Reference	Edition	Date	Title	Language
IEC TR 61912-2:2009	Edition 1.0	2009-05-13	Low-voltage switchgear and controlgear - Over-current protective devices - Part 2: Selectivity under over-current conditions	EN
IEC 61915-1:2007	Edition 1.0	2007-11-27	Low-voltage switchgear and controlgear - Device profiles for networked industrial devices - Part 1: General rules for the development of device profiles	EN-FR
IEC 61915-2:2011	Edition 1.0	2011-10-20	Low-voltage switchgear and controlgear - Device profiles for networked industrial devices - Part 2: Root device profiles for starters and similar equipment	EN-FR
IEC 61915-2:2011/COR1:2012	Edition 1.0	2012-07-27	Corrigendum 1 - Low-voltage switchgear and controlgear - Device profiles for networked industrial devices - Part 2: Root device profiles for starters and similar equipment	EN-FR
IEC 62026-1:2019 RLV	Edition 3.0	2019-05-09	Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 1: General rules	EN
IEC 62026-1:2019	Edition 3.0	2019-05-09	Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 1: General rules	EN-FR, ES
IEC 62026-2:2008+AMD1:2019 CSV	Edition 2.1	2019-07-10	Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 2: Actuator sensor interface (AS-i)	EN-FR
IEC 62026-2:2008	Edition 2.0	2008-01-29	Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 2: Actuator sensor interface (AS-i)	EN-FR, EN
IEC 62026-2:2008/AMD1:2019	Edition 2.0	2019-07-10	Amendment 1 - Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 2: Actuator sensor interface (AS-i)	EN-FR
IEC 62026-3:2014	Edition 3.0	2014-08-22	Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 3: DeviceNet	EN-FR
IEC 62026-3:2014/COR1:2015	Edition 3.0	2015-03-05	Corrigendum 1 - Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 3: DeviceNet	EN-FR

Reference	Edition	Date	Title	Language
IEC 62026-3:2014/COR2:2019	Edition 3.0	2019-10-29	Corrigendum 2 - Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 3: DeviceNet	EN-FR
IEC 62026-7:2010	Edition 1.0	2010-12-09	Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 7: CompoNet	EN-FR
IEC 62091:2007	Edition 1.0	2007-01-24	Low-voltage switchgear and controlgear - Controllers for drivers of stationary fire pumps	EN-FR
IEC 62626-1:2014	Edition 1.0	2014-02-14	Low-voltage switchgear and controlgear enclosed equipment - Part 1: Enclosed switch-disconnectors outside the scope of IEC 60947-3 to provide isolation during repair and maintenance work	EN-FR
IEC 62683-1:2017	Edition 1.0	2017-07-12	Low-voltage switchgear and controlgear - Product data and properties for information exchange - Part 1: Catalogue data	EN-FR
IEC TR 63054:2017	Edition 1.0	2017-07-26	Low-voltage switchgear and controlgear - Fire risk analysis and risk reduction measures	EN
IEC TR 63201:2019	Edition 1.0	2019-05-24	Low-voltage switchgear and controlgear - Guidance for the development of embedded software	EN
IEC TS 63208:2020	Edition 1.0	2020-03-25	Low-voltage switchgear and controlgear - Security aspects	EN
IEC TR 63216:2019	Edition 1.0	2019-10-22	Low-voltage switchgear and controlgear - Electromagnetic compatibility assessment for switchgear and controlgear and their assemblies	EN
IEC TR 60890:2014	Edition 2.0	2014-05-07	A method of temperature-rise verification of low-voltage switchgear and controlgear assemblies by calculation	EN-FR
IEC TR 61439-0:2013	Edition 2.0	2013-04-29	Low-voltage switchgear and controlgear assemblies - Part 0: Guidance to specifying assemblies	EN
IEC 61439-1:2020	Edition 3.0	2020-05-05	Low-voltage switchgear and controlgear assemblies - Part 1: General rules	EN-FR
IEC 61439-1:2020 RLV	Edition 3.0	2020-05-05	Low-voltage switchgear and controlgear assemblies - Part 1: General rules	EN



Reference	Edition	Date	Title	Language
IEC 61439-2:2011	Edition 2.0	2011-08-19	Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies	EN-FR, ES
IEC 61439-3:2012	Edition 1.0	2012-02-16	Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO)	EN-FR, ES
IEC 61439-3:2012/COR1:2013	Edition 1.0	2013-09-11	Corrigendum 1 - Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO)	EN-FR
IEC 61439-3:2012/COR2:2019	Edition 1.0	2019-03-20	Corrigendum 2 - Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO)	EN-FR
IEC 61439-4:2012	Edition 1.0	2012-11-15	Low-voltage switchgear and controlgear assemblies - Part 4: Particular requirements for assemblies for construction sites (ACS)	EN-FR, ES
IEC 61439-5:2014	Edition 2.0	2014-08-25	Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks	EN-FR, ES
IEC 61439-5:2014/COR1:2015	Edition 2.0	2015-03-05	Corrigendum 1 - Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks	EN-FR
IEC 61439-6:2012	Edition 1.0	2012-05-23	Low-voltage switchgear and controlgear assemblies - Part 6: Busbar trunking systems (busways)	EN-FR, ES
IEC 61439-7:2018	Edition 1.0	2018-12-06	Low-voltage switchgear and controlgear assemblies - Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations	EN-FR

Reference	Edition	Date	Title	Language
IEC 61439-7:2018/COR1:2019	Edition 1.0	2019-08-27	Corrigendum 1 - Low-voltage switchgear and controlgear assemblies - Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations	EN-FR
IEC TR 61641:2014	Edition 3.0	2014-09-09	Enclosed low-voltage switchgear and controlgear assemblies - Guide for testing under conditions of arcing due to internal fault	EN-FR
IEC 62208:2011	Edition 2.0	2011-08-19	Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements	EN-FR, ES
IEC TS 63107:2020	Edition 1.0	2020-04-28	Integration of internal arc-fault mitigation systems in power switchgear and controlgear assemblies (PSC - Assemblies) according to IEC 61439-2	EN-FR

## Number of Projects and Publications:

TC	Numer of publications	Number of projects
TC 121	1	1
SC 121A	76	10
SC 121A	17	4

استانداردهای ملی تدوین شده و در دست تدوین مرتبط با این کمیته فنی در پایگاه اینترنتی سازمان ملی استاندارد ایران به آدرس [www.isiri.gov.ir](http://www.isiri.gov.ir) موجود است.