

## **Teme noi de lucru CLC in perioada 01.01.2025 - 31.01.2025**

### **ASRO/CT 4 Tracțiune electrică**

#### **prEN IEC 63615**

Railway applications - Fixed installations - Power scada (Supervisory Control and Data Acquisition System) for management of electric traction power supply system

### **ASRO/CT 5 Materiale și fluide electroizolante**

#### **prEN IEC 60216-4**

Electrical insulating materials - Thermal endurance properties - Part 4: Ageing ovens

#### **prEN IEC 60674-3-1**

Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Biaxially oriented polypropylene (PP) films for capacitors

#### **prEN IEC 60684-3-216**

Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 216: Heat-shrinkable, flame-retarded, limited-fire-hazard sleeving

#### **prEN IEC 60819-2**

Non-cellulosic papers for electrical purposes - Part 2: Methods of test

#### **prEN IEC 61033**

Test methods for the determination of bond strength of impregnating agents to an enameled wire substrate

### **ASRO/CT 11 Aparate electrice mici**

#### **EN IEC 61535:2024/prA1**

Installation couplers intended for permanent connection in fixed installations

#### **EN IEC 61535:2024/prA1 (Frag 1)**

Installation couplers intended for permanent connection in fixed installations

#### **EN IEC 61535:2024/prA1 (Frag 2)**

Installation couplers intended for permanent connection in fixed installations

#### **prEN IEC 62423**

Type f and type b residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses

### **ASRO/CT 17 Dispozitive cu semiconductoare**

**prEN 50765**

EN 5XXXXX Cybersecurity requirements for microprocessors and microcontrollers with security-related functionalities.

**prEN 50766**

Cybersecurity requirements for secure microprocessors and microcontrollers with or without application environment or operating system

**prEN IEC 61967-1**

Integrated circuits - Measurement of electromagnetic emissions - Part 1: General conditions and definitions

**prEN IEC 62132-1**

Integrated circuits - Measurement of electromagnetic immunity - Part 1: General conditions and definitions

**prEN IEC 63551-5**

Semiconductor devices - Detection modules of autonomous land vehicle - Part 5: Testing methods of performance for ultrasonic modules

**prEN IEC 63551-6**

Semiconductor devices - Detection modules of autonomous land vehicle - Part 6: Testing methods of performance for visual imaging modules

**prEN IEC 63567-4**

Semiconductor devices - Performance evaluation of semiconductor processing components and inspection equipment - Part 4: Evaluation methods for dimensional accuracy of laser dicing process

**ASRO/CT 19 Condiții, clasificare, încercări de mediu; Aspectele de mediu pentru sistemele și produsele electrice și electronice****prEN IEC 60068-2-64**

Environmental testing - Part 2-64: Tests - Test fh: Vibration, broadband random and guidance

**EN IEC 60721-3-4:2019/prA1**

Classification of environmental conditions - Part 3-4: Classification of groups of environmental parameters and their severities - Stationary use at non-weatherprotected locations

**ASRO/CT 26 Electroacustica și ultrasunete****prEN IEC 60118-0**

Electroacoustics - Hearing aids - Part 0: Measurement of the performance characteristics of hearing aids

**prEN IEC 60942**

Electroacoustics - Sound calibrators

## **ASRO/CT 27 Sisteme de alarmă**

### **prEN IEC 60839-7-X**

Alarm and electronic security systems - Part 7-x: Message formats and protocols for serial data interfaces in alarm transmission systems - Requirements for common protocol for alarm transmission using the internet protocol (to be confirmed)

## **ASRO/CT 31 Încălzire electrică industrială**

### **prEN IEC 60683**

Industrial electroheating equipment - Test methods for submerged-arc furnaces

## **ASRO/CT 35 Sisteme de conversie în energie electrică a energiei solare, energiei eoliene și a energiei valurilor și mareelor**

### **prEN IEC 61400-30**

Wind energy generation systems - Part 30: Safety of wind turbine generators - General principles for design

### **prEN IEC 61724-1**

Photovoltaic system performance - Part 1: Monitoring

### **prEN IEC 62716**

Photovoltaic (PV) modules - Ammonia corrosion testing

## **ASRO/CT 36 Electronică de putere, condensatoare de putere, condensatoare și rezistoare pentru echipamente electronice**

### **prEN IEC 60115-1**

Fixed resistors for use in electronic equipment - Part 1: Generic specification

### **prEN IEC 60384-1**

Fixed capacitors for use in electronic equipment - Part 1: Generic specification

### **prEN IEC 60384-11**

Fixed capacitors for use in electronic equipment - Part 11: Sectional specification - Fixed polyethylene-terephthalate film dielectric metal foil DC capacitors

### **prEN IEC 60384-2**

Fixed capacitors for use in electronic equipment - Part 2: Sectional specification - Fixed metallized polyethylene terephthalate film dielectric DC capacitors

### **prEN IEC 62909-3**

Bi-directional grid connected power converters - Part 3: EMC requirements and test methods

## **ASRO/CT 131**

## **Corpuri de iluminat**

**prEN IEC 63116**

Lighting systems - General requirements

**ASRO/CT 133            Turbine hidraulice și cu abur****prEN IEC 62364**

Hydraulic machines - Guidelines for dealing with hydro-abrasive erosion in kaplan, francis and pelton turbines

**ASRO/CT 138            Fibre optice****EN IEC 61754-4:2022/prA1**

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4: Type SC connector family

**EN IEC 61754-6:2022/prA1**

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 6: Type MU connector family

**ASRO/CT 140            Managementul sistemului electroenergetic, schimb de informații și telecomunicații asociate****prEN IEC 60870-2-1**

Telecontrol equipment and systems - Part 2-1: Operating conditions - Power supply and electromagnetic compatibility

**ASRO/CT 159            Cabluri electrice****EN IEC 61442:2024/prA1**

Test methods for accessories for power cables with rated voltages from 6 kv ( $U_m = 7,2$  kV) up to 30 kv ( $U_m = 36$  kV)

**ASRO/CT 164            Echipamente pentru măsurarea energiei electrice și controlul sarcinii****prEN IEC 62056-8-5**

Electricity metering data exchange - The DLMS/COSEM suite - Part 8-5: Communication profile for g3-PLC and g3-hybrid neighbourhood area networks

**ASRO/CT 166            Aparataj de măsurare a mărimilor electrice fundamentale****prEN IEC 61557-12**

Electrical safety in low voltage distribution systems up to 1 000 v AC and 1 500 v DC - Equipment for testing, measuring or monitoring of protective measures - Part 12: Power metering and monitoring devices (PMD)

**prEN IEC 61557-12-2**

Electrical safety in low voltage distribution systems up to 1 000 v AC and 1 500 v DC -  
Equipment for testing, measuring or monitoring of protective measures - Part 12-2: Functional  
test procedure for PMD and epmf

**ASRO/CT 173            Terminologie, simboluri și unități în electrotehnică****prEN IEC 81346-8**

Industrial systems, installations and equipment and industrial products -- Structuring principles  
and reference designation -- Part 8: Properties

**ASRO/CT 193            Tehnologia asamblării componentelor electronice****prEN IEC 61189-3-720**

Test methods for electrical materials, printed boards and other interconnection structures and  
assemblies - Part 3-720: Test methods for interconnection structures (circuit boards) -  
Transmission loss test method for high frequency multilayer circuit boards

**prEN IEC 61189-5-501**

Test methods for electrical materials, printed boards and other interconnection structures and  
assemblies - Part 5-501: General test methods for materials and assemblies - Surface insulation  
resistance (SIR) testing of solder fluxes

**prEN IEC 61190-1-3**

Attachment materials for electronic assembly - Part 1-3: Requirements for electronic grade  
solder alloys and fluxed and non-fluxed solid solder for electronic soldering applications

**prEN IEC 61249-2-55**

Materials for printed boards and other interconnecting structures - Part 2-55: Reinforced base  
materials clad and unclad - Non-halogenated modified or unmodified resin system, woven e-  
glass laminate sheets of defined dissipation factor (less than 0,005 at 10 GHz) and flammability  
(vertical burning test), copper-clad for high speed applications

**ASRO/CT 207            Interconexiunea echipamentelor pentru tehnologia informației****prEN IEC 63402-2-1**

Energy efficiency systems - Smart grid - Customer energy management systems - Interface  
between the energy management gateway and bem / CEM - Data model and messaging

**ASRO/CT 238            Performanțe și comenzi automate ale aparatelor de uz casnic și  
utilizare similară****EN IEC 60730-1:2024/prA1 (Frag 4)**

**prEN IEC 60496**

Methods for measuring the performance of electric warming plates for household and similar purposes

**prEN IEC 60704-2-7**

Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-7: Particular requirements for fans

**prEN IEC 60704-2-8**

Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-8: Particular requirements for electric shavers, hair clippers or trimmers

**prEN IEC 62301/prAA**

Household electrical appliances - Measurement of standby power

**ASRO/CT 239****Securitatea aparatelor electrocasnice și similare****prEN 50416**

Household and similar electrical appliances - Safety - Particular requirements for commercial electric conveyor dishwashing machines

**ASRO/CT 333****Vehicule electrice destinate circulației pe drumurile publice, cărucioare electrice industriale și echipamente electrice asociate****prEN IEC 63119-3**

Information exchange for electric vehicle charging roaming service - Part 3: Message structure

**ASRO/CT 375****Sisteme și echipamente audio, video și multimedia****prEN IEC 63207**

Measurement methods of blue light characteristics and related optical performance for visual display terminals