

FEDERALE OVERHEIDSDIENST ECONOMIE,
K.M.O., MIDDENSTAND EN ENERGIE

[C - 2021/40273]

Bureau voor Normalisatie (NBN)
Registratie van Belgische normen

1. Overeenkomstig artikel 26 van het koninklijk besluit van 25 oktober 2004 betreffende de bekrachtiging en de registratie van de door het Bureau voor normalisatie openbaar gemaakte normen, kondigt dit Bureau de registratie aan van de hierna volgende Belgische normen:

NBN EN 1004-1:2020

Mobile access and working towers made of prefabricated elements - Part 1: Materials, dimensions, design loads, safety and performance requirements

vervangt NBN EN 1004:2005 (1e uitgave)

NBN EN 12225:2020

Geosynthetics - Method for determining the microbiological resistance by a soil burial test

vervangt NBN EN 12225:2000 (1e uitgave)

NBN EN 12390-7:2019/AC:2020

Testing hardened concrete - Part 7: Density of hardened concrete

NBN EN 12504-1:2019/AC:2020

Testing concrete in structures - Part 1: Cored specimens - Taking, examining and testing in compression

NBN EN 12715:2020

Execution of special geotechnical work - Grouting

vervangt NBN EN 12715:2000 (1e uitgave)

NBN EN 13210-1:2020

Child care articles - Part 1: Children's harnesses, reins - Safety requirements and test methods

vervangt NBN EN 13210:2004 (1e uitgave)

NBN EN 13210-2:2020

Child care articles - Part 2: Children's harnesses incorporating backpacks and reins - Safety requirements and test methods

vervangt NBN EN 13210:2004 (1e uitgave)

NBN EN 13231-2:2020

Railway applications - Track - Acceptance of works - Part 2: Acceptance of reprofiling rails in plain line, switches, crossings and expansion devices

vervangt NBN EN 13231-3:2012 (2e uitgave)

NBN EN 13451-1:2020

Swimming pool equipment - Part 1: General safety requirements and test methods for equipment installed in pools for public use

vervangt NBN EN 13451-1:2011+A1:2016

NBN EN 13656:2020

Soil, treated biowaste, sludge and waste - Digestion with a hydrochloric (HCl), nitric (HNO₃) and tetrafluoroboric (HBF₄) or hydrofluoric (HF) acid mixture for subsequent determination of elements

vervangt NBN EN 13656:2002 (1e uitgave)

NBN EN 13819-1:2020

Hearing protectors - Testing - Part 1: Physical test methods

vervangt NBN EN 13819-1:2003 (1e uitgave)

NBN EN 13819-2:2020

Hearing protectors - Testing - Part 2: Acoustic test methods

vervangt NBN EN 13819-2:2003 (1e uitgave)

NBN EN 13848-2:2020

Railway applications - Track - Track geometry quality - Part 2:
Measuring systems - Track recording vehicles
vervangt NBN EN 13848-2:2006 (1e uitgave)

NBN EN 13848-6:2014+A1:2020

Railway applications - Track - Track geometry quality - Part 6:
Characterisation of track geometry quality
vervangt NBN EN 13848-6:2014 (1e uitgave)

NBN EN 14112:2020

Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) -
Determination of oxidation stability (accelerated oxidation test)

vervangt NBN EN 14112:2016

NBN EN 15512:2020

Steel static storage systems - Adjustable pallet racking systems -
Principles for structural design
vervangt NBN EN 15512:2009 (1e uitgave)

NBN EN 15571:2020

Machines and plants for mining and tooling of natural stone - Safety -
Requirements for surface-finishing machines

vervangt NBN EN 15571:2015 (1e uitgave)

NBN EN 15655-2:2020

Ductile iron pipes, fittings and accessories - Requirements and test
methods for organic linings of ductile iron pipes and fittings - Part 2:
Thermoplastic Acid Modified Polyolefin (TMPO) lining of pipes

vervangt NBN EN 15655:2009 (1e uitgave)

NBN EN 15684:2020

Building hardware - Mechatronic cylinders - Requirements and test
methods
vervangt NBN EN 15684:2012 (1e uitgave)

NBN EN 16205:2020

Laboratory measurement of walking noise on floors
vervangt NBN EN 16205:2013+A1:2018

NBN EN 16524:2020

Mechanical products - Methodology for reduction of environmental
impacts in product design and development

NBN EN 16564:2020

Machines and plants for mining and tooling of natural stone - Safety
- Requirements for bridge type sawing/milling machines, included
numerical control (NC/CNC) versions

vervangt NBN EN 16564:2015 (1e uitgave)

NBN EN 16977:2020

Thermal insulation products for buildings - Factory made calcium
silicate (CS) products - Specification

NBN EN 17127:2020

Outdoor hydrogen refuelling points dispensing gaseous hydrogen
and incorporating filling protocols
vervangt NBN EN 17127:2018

NBN EN 17230:2020

Information technology - RFID in rail

NBN EN 17397-1:2020

Railway applications - Rail defects - Part 1: Rail defect management

NBN EN 17411:2020

Fertilizers - Determination of perchlorate in mineral fertilizers by liquid chromatography and tandem mass spectrometry detection (LC-MS/MS)

NBN EN 17412-1:2020

Building Information Modelling - Level of Information Need - Part 1: Concepts and principles

NBN EN 17417:2020

Determination of the ultimate biodegradation of plastics materials in an aqueous system under anoxic (denitrifying) conditions - Method by measurement of pressure increase

NBN EN 17419-1:2020

Digital Information Interchange in the Insurance Industry - Transfer of electronic documents - Part 1: Process and Data Model

NBN EN 17423:2020

Energy performance of buildings - Determination and reporting of Primary Energy Factors (PEF) and CO2 emission coefficient - General Principles, Module M1-7

NBN EN 17424:2020

Foodstuffs - Determination of aflatoxins in spices other than paprika by IAC clean-up and HPLC-FLD with post-column derivatization

NBN EN 1824:2020

Road marking materials - Road trials
vervangt NBN EN 1824:2011 (2e uitgave)

NBN EN 1974:2020

Food processing machinery - Slicing machines - Safety and hygiene requirements
vervangt NBN EN 1974+A1:2009 (2e uitgave)

NBN EN 303 135:2020

Coastal Surveillance, Vessel Traffic Services and Harbour Radars (CS/VTS/HR); Harmonised Standard for access to radio spectrum

NBN EN 352-1:2020

Hearing protectors - General requirements - Part 1: Earmuffs

vervangt NBN EN 352-1:2002 (2e uitgave)

NBN EN 352-10:2020

Hearing protectors - Safety requirements - Part 10: Entertainment audio earplugs

NBN EN 352-2:2020

Hearing protectors - General requirements - Part 2: Earplugs

vervangt NBN EN 352-2:2002 (2e uitgave)

NBN EN 352-3:2020

Hearing protectors - General requirements - Part 3: Earmuffs attached to head protection and/or face protection devices

vervangt NBN EN 352-3:2002 (2e uitgave)

NBN EN 352-4:2020

Hearing protectors - Safety requirements - Part 4: Level-dependent earmuffs

vervangt NBN EN 352-4:2001 (1e uitgave), NBN EN 352-4/A1:2006 (1e uitgave)

NBN EN 352-5:2020

Hearing protectors - Safety requirements - Part 5: Active noise reduction earmuffs

vervangt NBN EN 352-5:2003 (1e uitgave), NBN EN 352-5/A1:2006 (1e uitgave)

NBN EN 352-6:2020

Hearing protectors - Safety requirements - Part 6: Earmuffs with safety-related audio input

vervangt NBN EN 352-6:2003 (1e uitgave)

NBN EN 352-7:2020

Hearing protectors - Safety requirements - Part 7: Level-dependent earplugs

vervangt NBN EN 352-7:2003 (1e uitgave)

NBN EN 352-8:2020

Hearing protectors - Safety requirements - Part 8: Entertainment audio earmuffs

vervangt NBN EN 352-8:2008 (1e uitgave)

NBN EN 352-9:2020

Hearing protectors - Safety requirements - Part 9: Earplugs with safety-related audio input

NBN EN 50342-4:2020

Lead-acid starter batteries - Part 4: Dimensions of batteries for heavy vehicles

NBN EN 50397-1:2020

Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV AC and not exceeding 36 kV AC - Part 1: Covered conductors

NBN EN 50699:2020

Recurrent Tests of Electrical Equipment

NBN EN 60436:2020/A11:2020

Electric dishwashers for household use - Methods for measuring the performance

NBN EN 62788-1-4:2016/A1:2020

Measurement procedures for materials used in photovoltaic modules - Part 1-4: Encapsulants - Measurement of optical transmittance and calculation of the solar-weighted photon transmittance, yellowness index, and UV cut-off wavelength

NBN EN 840-1:2020/AC:2020

Mobile waste and recycling containers - Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices - Dimensions and design

NBN EN IEC 60268-16:2020

Sound system equipment - Part 16: Objective rating of speech intelligibility by speech transmission index

NBN EN IEC 60268-22:2020

Sound system equipment - Part 22: Electrical and mechanical measurements on transducers

NBN EN IEC 60603-7:2020

Connectors for electronic equipment - Part 7: Detail specification for 8-way, unshielded, free and fixed connectors

NBN EN IEC 60645-3:2020

Electroacoustics - Audiometric equipment - Part 3: Test signals of short duration

NBN EN IEC 60747-17:2020

Semiconductor devices - Part 17: Magnetic and capacitive coupler for basic and reinforced insulation

NBN EN IEC 60794-6:2020

Optical fibre cables - Part 6: Indoor-outdoor cables - Sectional specification for indoor-outdoor cables

NBN EN IEC 60794-6-10:2020

Optical fibre cables - Part 6-10: Indoor-outdoor cables - Family specification for universal indoor-outdoor cables

NBN EN IEC 60794-6-20:2020

Optical fibre cables - Part 6-20: Indoor-outdoor cables - Family specification for flame retardant outdoor cables

NBN EN IEC 60794-6-30:2020

Optical fibre cables - Part 6-30: Indoor-outdoor cables - Family specification for weatherised indoor cables

NBN EN IEC 60904-1:2020

Photovoltaic devices - Part 1: Measurement of photovoltaic current-voltage characteristics

NBN EN IEC 60904-10:2020

Photovoltaic devices - Part 10: Methods of linear dependence and linearity measurements

NBN EN IEC 60904-9:2020

Photovoltaic devices - Part 9: Classification of solar simulator characteristics

NBN EN IEC 61400-21-1:2019/A11:2020

Wind energy generation systems - Part 21-1: Measurement and assessment of electrical characteristics - Wind turbines

NBN EN IEC 61400-3-1:2019/A11:2020

Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines

NBN EN IEC 61837-2:2018/A1:2020

Surface mounted piezoelectric devices for frequency control and selection - Standard outlines and terminal lead connections - Part 2: Ceramic enclosures

NBN EN IEC 62433-6:2020

EMC IC modelling - Part 6: Models of integrated circuits for pulse immunity behavioural simulation - Conducted pulse immunity modelling (ICIM-CPI)

NBN EN IEC 62566-2:2020

Nuclear power plants - Instrumentation and control systems important to safety - Development of HDL-programmed integrated circuits - Part 2: HDL-programmed integrated circuits for systems performing category B or C functions

NBN EN IEC 62769-100:2020

Field device integration (FDI) - Part 100: Profiles - Generic protocols

NBN EN IEC 62769-115-2:2020

Field device integration (FDI) - Part 115-2: Profiles - Modbus-RTU

NBN EN IEC 63182-2:2020

Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Ring-cores

NBN EN ISO 10477:2020

Dentistry - Polymer-based crown and veneering materials (ISO 10477:2020)

vervangt NBN EN ISO 10477:2018

NBN EN ISO 10874:2012/A1:2020

Resilient, textile and laminate floor coverings - Classification - Amendment 1: Elimination of class 22+ (ISO 10874:2009/Amd 1:2020)

NBN EN ISO 11553-1:2020/A11:2020
Safety of machinery - Laser processing machines - Part 1: Laser safety requirements (ISO 11553-1:2020)

NBN EN ISO 11690-1:2020
Acoustics - Recommended practice for the design of low-noise workplaces containing machinery - Part 1: Noise control strategies (ISO 11690-1:2020)
vervangt NBN EN ISO 11690-1:1997 (1e uitgave)

NBN EN ISO 11690-2:2020
Acoustics - Recommended practice for the design of low-noise workplaces containing machinery - Part 2: Noise control measures (ISO 11690-2:2020)
vervangt NBN EN ISO 11690-2:1997 (1e uitgave)

NBN EN ISO 11691:2020
Acoustics - Measurement of insertion loss of ducted silencers without flow - Laboratory survey method (ISO 11691:2020)
vervangt NBN EN ISO 11691:2009 (2e uitgave)

NBN EN ISO 12004-1:2020
Metallic materials - Determination of forming-limit curves for sheet and strip - Part 1: Measurement and application of forming-limit diagrams in the press shop (ISO 12004-1:2020)
vervangt NBN EN ISO 12004-1:2009 (1e uitgave)

NBN EN ISO 12215-10:2020
Small craft - Hull construction and scantlings - Part 10: Rig loads and rig attachment in sailing craft (ISO 12215-10:2020)

NBN EN ISO 12215-7:2020
Small craft - Hull construction and scantlings - Part 7: Determination of loads for multihulls and of their local scantlings using ISO 12215-5 (ISO 12215-7:2020)

NBN EN ISO 12945-1:2020
Textiles - Determination of fabric propensity to surface pilling, fuzzing or matting - Part 1: Pilling box method (ISO 12945-1:2020)
vervangt NBN EN ISO 12945-1:2001 (1e uitgave)

NBN EN ISO 12945-2:2020
Textiles - Determination of fabric propensity to surface pilling, fuzzing or matting - Part 2: Modified Martindale method (ISO 12945-2:2020)
vervangt NBN EN ISO 12945-2:2000 (1e uitgave)

NBN EN ISO 12945-3:2020
Textiles - Determination of fabric propensity to surface pilling, fuzzing or matting - Part 3: Random tumble pilling method (ISO 12945-3:2020)
vervangt NBN EN ISO 12945-3:2014 (1e uitgave)

NBN EN ISO 12945-4:2020
Textiles - Determination of fabric propensity to surface pilling, fuzzing or matting - Part 4: Assessment of pilling, fuzzing or matting by visual analysis (ISO 12945-4:2020)

NBN EN ISO 12958-1:2020
Geotextiles and geotextile-related products - Determination of water flow capacity in their plane - Part 1: Index test (ISO 12958-1:2020)
vervangt NBN EN ISO 12958:2010 (2e uitgave)

NBN EN ISO 12958-2:2020
Geotextiles and geotextile-related products - Determination of water flow capacity in their plane - Part 2: Performance test (ISO 12958-2:2020)
vervangt NBN EN ISO 12958:2010 (2e uitgave)

NBN EN ISO 12967-1:2020

Health informatics - Service architecture (HISA) - Part 1: Enterprise viewpoint (ISO 12967-1:2020)

vervangt NBN EN ISO 12967-1:2011 (1e uitgave)

NBN EN ISO 12967-2:2020

Health informatics - Service Architecture (HISA) - Part 2: Information viewpoint (ISO 12967-2:2020)

vervangt NBN EN ISO 12967-2:2011 (1e uitgave)

NBN EN ISO 12967-3:2020

Health informatics - Service Architecture (HISA) - Part 3: Computational viewpoint (ISO 12967-3:2020)

vervangt NBN EN ISO 12967-3:2011 (1e uitgave)

NBN EN ISO 12999-1:2020

Acoustics - Determination and application of measurement uncertainties in building acoustics - Part 1: Sound insulation (ISO 12999-1:2020)

vervangt NBN EN ISO 12999-1:2014 (1e uitgave)

NBN EN ISO 13143-1:2020

Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 12813 - Part 1: Test suite structure and test purposes (ISO 13143-1:2020)

vervangt NBN EN ISO 13143-1:2017

NBN EN ISO 15004-1:2020

Ophthalmic instruments - Fundamental requirements and test methods - Part 1: General requirements applicable to all ophthalmic instruments (ISO 15004-1:2020)

vervangt NBN EN ISO 15004-1:2009 (3e uitgave)

NBN EN ISO 15156-1:2020

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 1: General principles for selection of cracking-resistant materials (ISO 15156-1:2020)

vervangt NBN EN ISO 15156-1:2015 (3e uitgave)

NBN EN ISO 15156-2:2020

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 2: Cracking-resistant carbon and low-alloy steels, and the use of cast irons (ISO 15156-2:2020)

vervangt NBN EN ISO 15156-2:2015 (3e uitgave)

NBN EN ISO 15156-3:2020

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys (ISO 15156-3:2020)

vervangt NBN EN ISO 15156-3:2015 (3e uitgave)

NBN EN ISO 15494:2018/A1:2020

Plastics piping systems for industrial applications - Polybutene (PB), polyethylene (PE), polyethylene of raised temperature resistance (PE-RT), crosslinked polyethylene (PE-X), polypropylene (PP) - Metric series for specifications for components and the system - Amendment 1 (ISO 15494:2015/Amd 1:2020)

NBN EN ISO 1942:2020

Dentistry - Vocabulary (ISO 1942:2020)

vervangt NBN EN ISO 1942:2011 (2e uitgave)

NBN EN ISO 19902:2020

Petroleum and natural gas industries - Fixed steel offshore structures (ISO 19902:2020)

vervangt NBN EN ISO 19902:2008 (1e uitgave), NBN EN ISO 19902/A1:2013 (1e uitgave)

NBN EN ISO 20349-1:2017/A1:2020

Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 1: Requirements and test methods for protection against risks in foundries - Amendment 1 (ISO 20349-1:2017/Amd 1:2020)

NBN EN ISO 20349-2:2017/A1:2020

Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 2: Requirements and test methods for protection against risks in welding and allied processes - Amendment 1 (ISO 20349-2:2017/Amd 1:2020)

NBN EN ISO 20888:2020

Dentistry - Vocabulary and designation system for forensic orodental data (ISO 20888:2020)

NBN EN ISO 21597-2:2020

Information container for linked document delivery - Exchange specification - Part 2: Link types (ISO 21597-2:2020)

NBN EN ISO 22065:2020

Workplace air - Gases and vapours - Requirements for evaluation of measuring procedures using pumped samplers (ISO 22065:2020)

vervangt NBN EN ISO 22065:2019

NBN EN ISO 23306:2020

Specification of liquefied natural gas as a fuel for marine applications (ISO 23306:2020)

NBN EN ISO 23753-1:2019/A1:2020

Soil quality - Determination of dehydrogenases activity in soils - Part 1: Method using triphenyltetrazolium chloride (TTC) - Amendment 1 (ISO 23753-1:2019/Amd 1:2020)

NBN EN ISO 23753-2:2019/A1:2020

Soil quality - Determination of dehydrogenases activity in soils - Part 2: Method using iodotetrazolium chloride (INT) - Amendment 1 (ISO 23753-2:2019/Amd 1:2020)

NBN EN ISO 24263:2020

Footwear - Attachment strength of straps, trims and accessories (ISO 24263:2020)

NBN EN ISO 24266:2020

Footwear - Test methods for whole shoe - Flexing durability (ISO 24266:2020)

NBN EN ISO 24267:2020

Footwear - Determination of coefficient of friction for footwear and sole components - Test method (ISO 24267:2020)

NBN EN ISO 80601-2-67:2020

Medical electrical equipment - Part 2-67: Particular requirements for basic safety and essential performance of oxygen-conserving equipment (ISO 80601-2-67:2020)

vervangt NBN EN ISO 18779:2005 (1e uitgave)

NBN EN ISO 80601-2-69:2020

Medical electrical equipment - Part 2-69: Particular requirements for the basic safety and essential performance of oxygen concentrator equipment (ISO 80601-2-69:2020)

vervangt NBN EN ISO 80601-2-69:2014 (1e uitgave)

NBN EN ISO 80601-2-70:2020

Medical electrical equipment - Part 2-70: Particular requirements for the basic safety and essential performance of sleep apnoea breathing therapy equipment (ISO 80601-2-70:2020)

vervangt NBN EN ISO 17510-1:2009 (3e uitgave)

NBN EN ISO 8666:2020

Small craft - Principal data (ISO 8666:2020)

vervangt NBN EN ISO 8666:2018

NBN EN ISO 9454-2:2020
Soft soldering fluxes - Classification and requirements - Part 2:
Performance requirements (ISO 9454-2:2020)
vervangt NBN EN ISO 9454-2:2000 (1e uitgave)

NBN EN ISO 9455-9:2020
Soft soldering fluxes - Test methods - Part 9: Determination of
ammonia content (ISO 9455-9:2020)
vervangt NBN EN ISO 9455-9:1996 (1e uitgave)

NBN EN ISO/ASTM 52941:2020
Additive manufacturing - System performance and reliability -
Acceptance tests for laser metal powder-bed fusion machines for
metallic materials for aerospace application (ISO/ASTM 52941:2020)

NBN EN ISO/IEC 27006:2020
Information technology - Security techniques - Requirements for
bodies providing audit and certification of information security man-
agement systems (ISO/IEC 27006:2015, including Amd 1:2020)

vervangt NBN ISO/IEC 27006:2016, NBN ISO/IEC
27006:2015/A1:2020

NBN ISO 13185-4:2020
Intelligent transport systems — Vehicle interface for provisioning
and support of ITS Services — Part 4: Unified vehicle interface protocol
(UVIP) conformance test specification

NBN ISO 14813-5:2020
Intelligent transport systems — Reference model architecture(s) for
the ITS sector — Part 5: Requirements for architecture description in ITS
standards

NBN ISO 14827-3:2020
Transport information and control systems — Data interfaces be-
tween centres for transport information and control systems — Part 3:
Data interfaces between centres for intelligent transport systems (ITS)
using XML (Profile A)

NBN ISO 17115:2020
Health informatics — Representation of categorical structures of
terminology (CatStructure)

NBN ISO 17438-4:2020
Intelligent transport systems — Indoor navigation for personal and
vehicle ITS station — Part 4: Requirements and specifications for
interface between personal/vehicle and central ITS stations

NBN ISO 17515-3:2020
Intelligent transport systems — Evolved-universal terrestrial radio
access network — Part 3: LTE-V2X

NBN ISO 19127:2020
Geographic information — Geodetic register

NBN ISO 19150-2:2015/A1:2020
Geographic information — Ontology — Part 2: Rules for developing
ontologies in the Web Ontology Language (OWL) — Amendment 1

NBN ISO 19150-4:2020
Geographic information — Ontology — Part 4: Service ontology

NBN ISO 19160-3:2020
Addressing — Part 3: Address data quality

NBN ISO 19161-1:2020
Geographic information — Geodetic references — Part 1: Internatio-
nal terrestrial reference system (ITRS)

NBN ISO 19162:2020
Geographic information — Well-known text representation of coor-
dinate reference systems

NBN ISO 19297-1:2020

Intelligent transport systems — Shareable geospatial databases for ITS applications — Part 1: Framework

NBN ISO 19414:2020

Intelligent transport systems — Service architecture of probe vehicle systems

NBN ISO 20035:2020

Intelligent transport systems — Cooperative adaptive cruise control systems (CACC) — Performance requirements and test procedures

NBN ISO 20524-1:2020

Intelligent transport systems — Geographic Data Files (GDF) GDF5.1 — Part 1: Application independent map data shared between multiple sources

NBN ISO 20900:2020

Intelligent transport systems — Partially automated parking systems (PAPS) — Performance requirements and test procedures

NBN ISO 20901:2020

Intelligent transport systems — Emergency electronic brake light systems (EEBL) — Performance requirements and test procedures

NBN ISO 21202:2020

Intelligent transport systems — Partially automated lane change systems (PALS) — Functional/operational requirements and test procedures

NBN ISO 21219-18:2020

Intelligent transport systems — Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) — Part 18: Traffic flow and prediction application (TPEG2-TFP)

NBN ISO 21219-2:2020

Intelligent transport systems — Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) — Part 2: UML modelling rules (TPEG2-UMR)

NBN ISO 21219-3:2020

Intelligent transport systems — Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) — Part 3: UML to binary conversion rules (TPEG2-UBCR)

NBN ISO 21219-4:2020

Intelligent transport systems — Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) — Part 4: UML to XML conversion rules

NBN ISO 21219-5:2020

Intelligent transport systems — Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) — Part 5: Service framework (TPEG2-SFW)

NBN ISO 21219-6:2020

Intelligent transport systems — Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) — Part 6: Message management container (TPEG2-MMC)

NBN ISO 21899:2020

Biotechnology — Biobanking — General requirements for the validation and verification of processing methods for biological material in biobanks

NBN ISO 22078:2020

Intelligent transport systems — Bicyclist detection and collision mitigation systems (BDCMS) — Performance requirements and test procedures

NBN ISO 2470-1:2020

Paper, board and pulps — Measurement of diffuse blue reflectance factor — Part 1: Indoor daylight conditions (ISO brightness)

NBN ISO 26683-3:2020

Intelligent transport systems — Freight land conveyance content identification and communication — Part 3: Monitoring cargo condition information during transport

NBN ISO 2698:2020

Diesel engines — Clamp-mounted fuel injectors, types 7 and 28

NBN ISO 2901:2020

ISO metric trapezoidal screw threads — Basic and design profiles

NBN ISO 2902:2020

ISO metric trapezoidal screw threads — General plan

NBN ISO 2903:2020

ISO metric trapezoidal screw threads — Tolerances

NBN ISO 29281-1:2020

Intelligent transport systems — Localized communications — Part 1: Fast networking & transport layer protocol (FNTP)

NBN ISO 29281-2:2020

Intelligent transport systems — Localized communications — Part 2: Legacy system support

NBN ISO 37104:2020

Sustainable cities and communities — Transforming our cities — Guidance for practical local implementation of ISO 37101

NBN ISO 37105:2020

Sustainable cities and communities — Descriptive framework for cities and communities

NBN ISO 37106:2020

Sustainable cities and communities — Guidance on establishing smart city operating models for sustainable communities

NBN ISO 37122:2020

Sustainable cities and communities — Indicators for smart cities

NBN ISO 37123:2020

Sustainable cities and communities — Indicators for resilient cities

NBN ISO 4046-1:2020

Paper, board, pulps and related terms — Vocabulary — Part 1: Alphabetical index

NBN ISO 4046-2:2020

Paper, board, pulps and related terms — Vocabulary — Part 2: Pulping terminology

NBN ISO 4046-3:2020

Paper, board, pulps and related terms — Vocabulary — Part 3: Paper-making terminology

NBN ISO 4046-4:2020

Paper, board, pulps and related terms — Vocabulary — Part 4: Paper and board grades and converted products

NBN ISO 4046-5:2020

Paper, board, pulps and related terms — Vocabulary — Part 5: Properties of pulp, paper and board

NBN ISO 4241:2020

Cinematography — Projection film leader (time-based), trailer and cue marks — Specifications

NBN ISO 6624-2:2020

Internal combustion engines — Piston rings — Part 2: Half keystone rings made of cast iron

NBN ISO 6624-4:2020

Internal combustion engines — Piston rings — Part 4: Half keystone rings made of steel

NBN ISO 7304-1:2020

Durum wheat semolina and alimentary pasta — Estimation of cooking quality of alimentary pasta by sensory analysis — Part 1: Reference method

NBN ISO 7503-1:2020

Measurement of radioactivity — Measurement and evaluation of surface contamination — Part 1: General principles

NBN ISO 7503-2:2020

Measurement of radioactivity - Measurement and evaluation of surface contamination — Part 2: Test method using wipe-test samples

NBN ISO 7503-3:2020

Measurement of radioactivity — Measurement and evaluation of surface contamination — Part 3: Apparatus calibration

NBN ISO 9642:2020

Cinematography — Time and control code for 24, 25 and 30 frames per second motion-picture film systems — Specifications

NBN ISO/IEC 10373-7:2020

Cards and security devices for personal identification — Test methods — Part 7: Contactless vicinity objects

NBN ISO/IEC 10779:2020

Information technology — Office equipment — Accessibility guidelines for older persons and persons with disabilities

NBN ISO/IEC 14165-226:2020

Information technology — Fibre channel — Part 226: Single-byte command code sets mapping protocol - 6 (FC-SB-6)

NBN ISO/IEC 14165-246:2020

Information technology — Fibre channel — Part 246: Backbone — 6 (FC-BB-6)

NBN ISO/IEC 14496-14:2020

Information technology — Coding of audio-visual objects — Part 14: MP4 file format

NBN ISO/IEC 15909-1:2020

Systems and software engineering — High-level Petri nets — Part 1: Concepts, definitions and graphical notation

NBN ISO/IEC 15963-1:2020

Information technology — Radio frequency identification for item management — Part 1: Unique identification for RF tags numbering systems

NBN ISO/IEC 15963-2:2020

Information technology — Radio frequency identification for item management — Part 2: Unique identification for RF tags registration procedures

NBN ISO/IEC 17549-2:2020

Information technology — User interface guidelines on menu navigation — Part 2: Navigation with 4-direction devices

NBN ISO/IEC 18046-2:2020

Information technology — Radio frequency identification device performance test methods — Part 2: Test methods for interrogator performance

NBN ISO/IEC 19515:2020

Information technology — Object Management Group Automated Function Points (AFP), 1.0

NBN ISO/IEC 19516:2020

Information technology — Object management group — Interface definition language (IDL) 4.2

NBN ISO/IEC 19566-4:2020

Information technologies — JPEG systems — Part 4: Privacy and security

NBN ISO/IEC 19770-8:2020

Information technology — IT asset management — Part 8: Guidelines for mapping of industry practices to/from the ISO/IEC 19770 family of standards

NBN ISO/IEC 19823-10:2020

Information technology — Conformance test methods for security service crypto suites — Part 10: Crypto suite AES-128

NBN ISO/IEC 20085-2:2020

IT Security techniques — Test tool requirements and test tool calibration methods for use in testing non-invasive attack mitigation techniques in cryptographic modules — Part 2: Test calibration methods and apparatus

NBN ISO/IEC 20547-3:2020

Information technology — Big data reference architecture — Part 3: Reference architecture

NBN ISO/IEC 20933:2020

Information technology — Distributed application platforms and services (DAPS) — Framework for distributed real-time access systems

NBN ISO/IEC 21118:2020

Information technology — Office equipment — Information to be included in specification sheets for data projectors

NBN ISO/IEC 21228:2020

Information technology — Telecommunications and information exchange between systems — Coexistence mechanism for broadband powerline communication technologies

NBN ISO/IEC 21471:2020

Information technology — Automatic identification and data capture techniques — Extended rectangular data matrix (DMRE) bar code symbology specification

NBN ISO/IEC 21972:2020

Information technology — Upper level ontology for smart city indicators

NBN ISO/IEC 22624:2020

Information technology — Cloud computing — Taxonomy based data handling for cloud services

NBN ISO/IEC 23000-19:2020

Information technology — Multimedia application format (MPEG-A) — Part 19: Common media application format (CMAF) for segmented media

NBN ISO/IEC 23001-10:2020

Information technology — MPEG systems technologies — Part 10: Carriage of timed metadata metrics of media in ISO base media file format

NBN ISO/IEC 23001-11:2020
Information technology — MPEG systems technologies — Part 11:
Energy-efficient media consumption (green metadata)

NBN ISO/IEC 23001-13:2020
Information technology — MPEG systems technologies — Part 13:
Media orchestration

NBN ISO/IEC 23001-14:2020
Information technology — MPEG systems technologies — Part 14:
Partial file format

NBN ISO/IEC 23001-15:2020
Information technology — MPEG systems technologies — Part 15:
Carriage of web resources in ISOBMFF

NBN ISO/IEC 23003-5:2020
Information technology — MPEG audio technologies — Part 5:
Uncompressed audio in MPEG-4 file format

NBN ISO/IEC 23005-3:2020
Information technology — Media context and control — Part 3:
Sensory information

NBN ISO/IEC 23005-5:2020
Information technology — Media context and control — Part 5: Data
formats for interaction devices

NBN ISO/IEC 23005-6:2020
Information technology — Media context and control — Part 6:
Common types and tools

NBN ISO/IEC 23005-7:2020
Information technology — Media context and control — Part 7:
Conformance and reference software

NBN ISO/IEC 23008-3:2020
Information technology — High efficiency coding and media delivery
in heterogeneous environments — Part 3: 3D audio

NBN ISO/IEC 23008-9:2020
Information technology — High efficiency coding and media delivery
in heterogeneous environments — Part 9: 3D Audio conformance
testing

NBN ISO/IEC 23009-1:2020
Information technology — Dynamic adaptive streaming over HTTP
(DASH) — Part 1: Media presentation description and segment formats

NBN ISO/IEC 23091-2:2020
Information technology — Coding-independent code points —
Part 2: Video

NBN ISO/IEC 23092-3:2020
Information technology — Genomic information representation —
Part 3: Metadata and application programming interfaces (APIs)

NBN ISO/IEC 23093-1:2020
Information technology — Internet of media things — Part 1:
Architecture

NBN ISO/IEC 23093-2:2020
Information technology — Internet of media things — Part 2:
Discovery and communication API

NBN ISO/IEC 23093-3:2020
Information technology — Internet of media things — Part 3: Media
data formats and APIs

NBN ISO/IEC 23681:2020
Information technology — Self-contained Information Retention
Format (SIRF) Specification

NBN ISO/IEC 23736-1:2020
Information technology — Digital publishing — EPUB 3.0.1 — Part 1:
Overview

NBN ISO/IEC 23736-2:2020
Information technology — Digital publishing — EPUB 3.0.1 — Part 2:
Publications

NBN ISO/IEC 23736-3:2020
Information technology — Digital publishing — EPUB 3.0.1 — Part 3:
Content documents

NBN ISO/IEC 23736-4:2020
Information technology — Digital publishing — EPUB 3.0.1 — Part 4:
Open container format

NBN ISO/IEC 23736-5:2020
Information technology — Digital publishing — EPUB 3.0.1 — Part 5:
Media overlays

NBN ISO/IEC 23736-6:2020
Information technology — Digital publishing — EPUB 3.0.1 — Part 6:
Canonical fragment identifiers

NBN ISO/IEC 24091:2020
Information technology — Power efficiency measurement specifica-
tion for data center storage

NBN ISO/IEC 24760-1:2020
IT Security and Privacy — A framework for identity management —
Part 1: Terminology and concepts

NBN ISO/IEC 24761:2020
Information technology — Security techniques — Authentication
context for biometrics

NBN ISO/IEC 24770-5:2020
Information technology — Real-time locating system (RTLS) device
performance test methods — Part 5: Test methods for chirp spread
spectrum (CSS) air interface

NBN ISO/IEC 24773-1:2020
Software and systems engineering — Certification of software and
systems engineering professionals — Part 1: General requirements

NBN ISO/IEC 24779-5:2020
Information technology — Cross-jurisdictional and societal aspects of
implementation of biometric technologies — Pictograms, icons and
symbols for use with biometric systems — Part 5: Face applications

NBN ISO/IEC 25020:2020
Systems and software engineering — Systems and software Quality
Requirements and Evaluation (SQuaRE) — Quality measurement
framework

NBN ISO/IEC 25030:2020
Systems and software engineering — Systems and software quality
requirements and evaluation (SQuaRE) — Quality requirements
framework

NBN ISO/IEC 26552:2020
Software and systems engineering — Tools and methods for product
line architecture design

NBN ISO/IEC 26560:2020
Software and systems engineering — Tools and methods for product
line product management

NBN ISO/IEC 26561:2020
Software and systems engineering — Methods and tools for product line technical probe

NBN ISO/IEC 26562:2020
Software and systems engineering — Methods and tools for product line transition management

NBN ISO/IEC 27102:2020
Information security management — Guidelines for cyber-insurance

NBN ISO/IEC 29109-5:2020
Information technology — Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 — Part 5: Face image data

NBN ISO/IEC 29110-3-2:2020
Systems and software engineering — Lifecycle profiles for Very Small Entities (VSEs) — Part 3-2: Conformity certification scheme

NBN ISO/IEC 29110-4-1:2020
Systems and software engineering — Lifecycle profiles for Very Small Entities (VSEs) — Part 4-1: Software engineering - Profile specifications: Generic profile group

NBN ISO/IEC 29167-19:2020
Information technology — Automatic identification and data capture techniques — Part 19: Crypto suite RAMON security services for air interface communications

NBN ISO/IEC 29192-2:2020
Information security — Lightweight cryptography — Part 2: Block ciphers

NBN ISO/IEC 29192-7:2020
Information security — Lightweight cryptography — Part 7: Broadcast authentication protocols

NBN ISO/IEC 30071-1:2020
Information technology — Development of user interface accessibility — Part 1: Code of practice for creating accessible ICT products and services

NBN ISO/IEC 30106-4:2020
Information technology — Object oriented BioAPI — Part 4: C++ implementation

NBN ISO/IEC 30113-12:2020
Information technology — User interfaces — Gesture-based interfaces across devices and methods — Part 12: Multi-point gestures for common system actions

NBN ISO/IEC 30113-5:2020
Information technology — User interface — Gesture-based interfaces across devices and methods — Part 5: Gesture Interface Markup Language (GIML)

NBN ISO/IEC 30115:2020
Information technology — Redfish scalable platforms management API specification

NBN ISO/IEC 30118-1:2020
Information technology — Open Connectivity Foundation (OCF) Specification — Part 1: Core specification

NBN ISO/IEC 30118-2:2020
Information technology — Open Connectivity Foundation (OCF) Specification — Part 2: Security specification

NBN ISO/IEC 30118-3:2020

Information technology — Open Connectivity Foundation (OCF) Specification — Part 3: Bridging specification

NBN ISO/IEC 30118-4:2020

Information technology — Open Connectivity Foundation (OCF) Specification — Part 4: Resource type specification

NBN ISO/IEC 30118-5:2020

Information technology — Open Connectivity Foundation (OCF) Specification — Part 5: Smart home device specification

NBN ISO/IEC 30118-6:2020

Information technology — Open Connectivity Foundation (OCF) Specification — Part 6: Resource to AllJoyn interface mapping specification

NBN ISO/IEC 30137-1:2020

Information technology — Use of biometrics in video surveillance systems — Part 1: System design and specification

NBN ISO/IEC 30146:2020

Information technology — Smart city ICT indicators

NBN ISO/IEC 30193:2020

Information technology — Digitally recorded media for information interchange and storage — 120 mm Triple Layer (100,0 Gbytes per disk) BD Rewritable disk

NBN ISO/IEC 33020:2020

Information technology — Process assessment — Process measurement framework for assessment of process capability

NBN ISO/IEC 38506:2020

Information technology — Governance of IT — Application of ISO/IEC 38500 to the governance of IT enabled investments

NBN ISO/IEC 39794-1:2020

Information technology — Extensible biometric data interchange formats — Part 1: Framework

NBN ISO/IEC 39794-4:2020

Information technology — Extensible biometric data interchange formats — Part 4: Finger image data

NBN ISO/IEC 39794-5:2020

Information technology — Extensible biometric data interchange formats — Part 5: Face image data

NBN ISO/IEC/IEEE 15026-1:2020

Systems and software engineering — Systems and software assurance — Part 1: Concepts and vocabulary

NBN ISO/IEC/IEEE 15289:2020

Systems and software engineering — Content of life-cycle information items (documentation)

NBN ISO/IEC/IEEE 16326:2020

Systems and software engineering — Life cycle processes — Project management

NBN ISO/IEC/IEEE 21839:2020

Systems and software engineering — System of systems (SoS) considerations in life cycle stages of a system

NBN ISO/IEC/IEEE 21840:2020

Systems and software engineering — Guidelines for the utilization of ISO/IEC/IEEE 15288 in the context of system of systems (SoS)

NBN ISO/IEC/IEEE 21841:2020

Systems and software engineering — Taxonomy of systems of systems

NBN ISO/IEC/IEEE 24748-7:2020

Systems and software engineering — Life cycle management — Part 7: Application of systems engineering on defense programs

NBN ISO/IEC/IEEE 24748-8:2020

Systems and software engineering — Life cycle management — Part 8: Technical reviews and audits on defense programs

NBN ISO/IEC/IEEE 29148:2020

Systems and software engineering — Life cycle processes — Requirements engineering

NBN ISO/IEC/IEEE 41062:2020

Software engineering — Recommended practice for software acquisition

NBN ISO/IEC/IEEE 42020:2020

Software, systems and enterprise — Architecture processes

NBN ISO/IEC/IEEE 42030:2020

Software, systems and enterprise — Architecture evaluation framework

NBN ISO/IEC/IEEE 8802-1AR:2020

Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks — Part 1AR: Secure device identity

NBN ISO/IEC/IEEE 8802-1CB:2020

Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements — Part 1CB: Frame replication and elimination for reliability

NBN ISO/IEC/IEEE 8802-1CM:2020

Telecommunications and information exchange between information technology systems — Requirements for local and metropolitan area networks — Part 1CM: Time-sensitive networking for fronthaul

NBN ISO/IEEE 11073-10419:2020

Health informatics — Personal health device communication — Part 10419: Device specialization — Insulin pump

2. De normen afgeleid van de Europese normen (EN) zijn in principe beschikbaar in het Engels, het Frans en het Duits; de normen afgeleid van de internationale normen (ISO) zijn in principe beschikbaar in het Engels en in het Frans.

3. Deze normen zijn verkrijgbaar bij het Bureau voor normalisatie, Jozef II-straat 40 bus 6, 1000 Brussel, tegen betaling van hun prijs.

4. De registratie van de volgende Belgische normen wordt ingetrokken:

NBN EN 50041:1995 (1e uitgave)

NBN EN 50047:1995 (1e uitgave)

NBN EN 50239:2000 (1e uitgave)

NBN EN 60137:2010 (3e uitgave)

NBN EN 60793-1-47:2009 (3e uitgave)

NBN EN 60794-1-22:2012 (1e uitgave)

NBN EN 61784-3-2:2010 (2e uitgave)

NBN EN 61784-3-3:2010 (2e uitgave)

NBN EN 62271-110:2013 (3e uitgave)

NBN EN 62439-2:2010 (1e uitgave)

NBN EN 62586-1:2014 (1e uitgave)