

International Classification for Standards

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ÉDITIONS

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1- GENERALITIES. TERMINOLOGY. STANDARDIZATION. DOCUMENTATION

01.020 Terminology (principles and coordination)

01.040 Vocabularies

- 01.040.01 Generalities. Terminology. Standardization. Documentation (Vocabularies)
- 01.040.03 Services. Company organization, management and quality. Administration. Transport. Sociology. (Vocabularies)
- 01.040.07 Natural and applied sciences (Vocabularies)
- 01.040.11 Health care technology (Vocabularies)
- 01.040.13 Environment. Health protection. Safety (Vocabularies)
- 01.040.17 Metrology and measurement. Physical phenomena (Vocabularies)
- 01.040.19 Testing (Vocabularies)
- 01.040.21 Mechanical systems and components for general use (Vocabularies)
- 01.040.23 Fluid systems and components for general use (Vocabularies)
- 01.040.25 Manufacturing engineering (Vocabularies)
- 01.040.27 Energy and heat transfer engineering (Vocabularies)
- 01.040.29 Electrical engineering (Vocabularies)
- 01.040.31 Electronics (Vocabularies)
- 01.040.33 Telecommunications. Audio and video engineering (Vocabularies)
- 01.040.35 Information technology (Vocabularies)
- 01.040.37 Image technology (Vocabularies)
- 01.040.39 Precision mechanics. Jewellery (Vocabularies)
- 01.040.43 Road vehicle engineering (Vocabularies)
- 01.040.45 Railway engineering (Vocabularies)
- 01.040.47 Shipbuilding and marine structures (Vocabularies)
- 01.040.49 Aircraft and space vehicle engineering (Vocabularies)
- 01.040.53 Materials handling equipment (Vocabularies)
- 01.040.55 Packaging and distribution of goods (Vocabularies)
- 01.040.59 Textile and leather technology (Vocabularies)
- 01.040.61 Clothing industry (Vocabularies)
- 01.040.65 Agriculture (Vocabularies)
- 01.040.67 Food technology (Vocabularies)
- 01.040.71 Chemical technology (Vocabularies)
- 01.040.73 Mining and minerals (Vocabularies)
- 01.040.75 Petroleum and related technologies (Vocabularies)
- 01.040.77 Metallurgy (Vocabularies)
- 01.040.79 Wood technology (Vocabularies)
- 01.040.81 Glass and ceramics industries (Vocabularies)
- 01.040.83 Rubber and plastics industries (Vocabularies)
- 01.040.85 Paper technology (Vocabularies)
- 01.040.87 Paint and colour industries (Vocabularies)
- 01.040.91 Construction materials and building (Vocabularies)
- 01.040.93 Civil engineering (Vocabularies)
- 01.040.95 Military Affairs. Military engineering. Weapons (Vocabularies)
- 01.040.97 Domestic and commercial equipment. Entertainment. Sports (Vocabularies)

01.060 Quantities and units

01.070 Colour coding

01.075 Character symbols

01.080 Graphical symbols

- 01.080.01 Graphical symbols in general
- 01.080.10 Public information symbols. Signs. Plates. Labels
- 01.080.20 Graphical symbols for use on specific equipment
- 01.080.30 Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
- 01.080.40 Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation
- 01.080.50 Graphical symbols for use on information technology and telecommunications technical drawings and in relevant technical product documentation
- 01.080.99 Other graphical symbols

01.100 Technical drawings

- 01.100.01 Technical drawings in general
- 01.100.20 Mechanical engineering drawings

- 01.100.25 Electrical and electronics engineering drawings
- 01.100.27 Technical drawings for telecommunications and information technology fields
- 01.100.30 Construction drawings
- 01.100.40 Drawing equipment
- 01.100.99 Other standards related to technical drawings
- 01.110 **Technical product documentation**
- 01.120 **Standardization. General rules**
- 01.140 **Information sciences. Publishing**
- 01.140.10 Writing and transliteration
- 01.140.20 Information sciences
- 01.140.30 Documents in administration, commerce and industry
- 01.140.40 Publishing

3- SERVICES. COMPANY ORGANIZATION. MANAGEMENT AND QUALITY. ADMINISTRATION. TRANSPORT. SOCIOLOGY

- 03.020 **Sociology. Demography**
- 03.040 **Labour. Employment**
- 03.060 **Finances. Banking. Monetary systems. Insurance**
- 03.080 **Services**
- 03.080.01 Services in general
- 03.080.10 Maintenance services. Facilities management
- 03.080.20 Services for companies
- 03.080.30 Services for consumers
- 03.080.99 Other services
- 03.100 **Company organization and management. Management systems**
- 03.100.01 Company organization and management in general
- 03.100.02 Governance and ethics
- 03.100.10 Purchasing. Procurement. Logistics
- 03.100.20 Trade. Commercial function. Marketing
- 03.100.30 Management of human resources
- 03.100.40 Research and development
- 03.100.50 Production. Production management
- 03.100.60 Accountancy
- 03.100.70 Management systems
- 03.100.99 Other standards related to company organization and management
- 03.120 **Quality**
- 03.120.01 Quality in general
- 03.120.10 Quality management and quality assurance
- 03.120.20 Product and company certification. Conformity assessment
- 03.120.30 Application of statistical methods
- 03.120.99 Other standards related to quality
- 03.140 **Patents. Intellectual property**
- 03.160 **Law. Administration**
- 03.180 **Education**
- 03.200 **Leisure. Tourism**
- 03.200.01 Leisure and tourism in general
- 03.200.10 Adventure tourism
- 03.200.99 Other standards relating to leisure and tourism
- 03.220 **Transport**
- 03.220.01 Transport in general
- 03.220.20 Road transport
- 03.220.30 Transport by rail
- 03.220.40 Transport by water
- 03.220.50 Air transport
- 03.220.99 Other forms of transport
- 03.240 **Postal services**

7- NATURAL AND APPLIED SCIENCES

- 07.020 **Mathematics**
- 07.030 **Physics. Chemistry**
- 07.040 **Astronomy. Geodesy. Geography**
- 07.060 **Geology. Meteorology. Hydrology**
- 07.080 **Biology. Botany. Zoology**
- 07.100 **Microbiology**
 - 07.100.01 Microbiology in general
 - 07.100.10 Medical microbiology
 - 07.100.20 Microbiology of water
 - 07.100.30 Food microbiology
 - 07.100.40 Cosmetics microbiology
 - 07.100.99 Other standards related to microbiology
- 07.120 **Nanotechnologies**
- 07.140 **Forensic science**

11- HEALTH CARE TECHNOLOGY

- 11.020 **Medical sciences and health care facilities in general**
 - 11.020.01 Quality and environmental management in health care
 - 11.020.10 Health care services in general
 - 11.020.20 Medical science
 - 11.020.99 Other standards related to health care in general
- 11.040 **Medical equipment**
 - 11.040.01 Medical equipment in general
 - 11.040.10 Anaesthetic, respiratory and reanimation equipment
 - 11.040.20 Transfusion, infusion and injection equipment
 - 11.040.25 Syringes, needles and catheters
 - 11.040.30 Surgical instruments and materials
 - 11.040.40 Implants for surgery, prosthetics and orthotics
 - 11.040.50 Radiographic equipment
 - 11.040.55 Diagnostic equipment
 - 11.040.60 Therapy equipment
 - 11.040.70 Ophthalmic equipment
 - 11.040.99 Other medical equipment
- 11.060 **Dentistry**
 - 11.060.01 Dentistry in general
 - 11.060.10 Dental materials
 - 11.060.15 Dental implants
 - 11.060.20 Dental equipment
 - 11.060.25 Dental instruments
- 11.080 **Sterilization and disinfection**
 - 11.080.01 Sterilization and disinfection in general
 - 11.080.10 Sterilizing equipment
 - 11.080.20 Disinfectants and antiseptics
 - 11.080.30 Sterilized packaging
 - 11.080.99 Other standards related to sterilization and disinfection
- 11.100 **Laboratory medicine**
 - 11.100.01 Laboratory medicine in general
 - 11.100.10 In vitro diagnostic test systems
 - 11.100.20 Biological evaluation of medical devices
 - 11.100.30 Analysis of blood and urine
 - 11.100.99 Other standards related to laboratory medicine
- 11.120 **Pharmaceutics**
 - 11.120.01 Pharmaceutics in general
 - 11.120.10 Medicaments
 - 11.120.20 Wound dressings and compresses
 - 11.120.99 Other standards related to pharmaceutics
- 11.140 **Hospital equipment**

- 11.160 **First aid**
- 11.180 **Aids for disabled or handicapped persons**
 - 11.180.01 Aids for disabled and handicapped persons in general
 - 11.180.10 Aids and adaptation for moving
 - 11.180.15 Aids for deaf and hearing impaired people
 - 11.180.20 Aids for incontinence and ostomy
 - 11.180.30 Aids for blind or partially sighted people
 - 11.180.40 Aids for drinking and eating
 - 11.180.99 Other standards related to aids for disabled and handicapped people
- 11.200 **Birth control. Mechanical contraceptives**
- 11.220 **Veterinary medicine**

13- ENVIRONMENT. HEALTH PROTECTION. SAFETY

- 13.020 **Environmental protection**
 - 13.020.01 Environment and environmental protection in general
 - 13.020.10 Environmental management
 - 13.020.20 Environmental economics. Sustainability
 - 13.020.30 Environmental impact assessment
 - 13.020.40 Pollution, pollution control and conservation
 - 13.020.50 Ecolabelling
 - 13.020.55 Biobased products
 - 13.020.60 Product life-cycles
 - 13.020.70 Environmental projects
 - 13.020.99 Other standards related to environmental protection
- 13.030 **Wastes**
 - 13.030.01 Wastes in general
 - 13.030.10 Solid wastes
 - 13.030.20 Liquid wastes. Sludge
 - 13.030.30 Special wastes
 - 13.030.40 Installations and equipment for waste disposal and treatment
 - 13.030.50 Recycling
 - 13.030.99 Other standards related to wastes
- 13.040 **Air quality**
 - 13.040.01 Air quality in general
 - 13.040.20 Ambient atmospheres
 - 13.040.30 Workplace atmospheres
 - 13.040.35 Cleanrooms and associated controlled environments
 - 13.040.40 Stationary source emissions
 - 13.040.50 Transport exhaust emissions
 - 13.040.99 Other standards related to air quality
- 13.060 **Water quality**
 - 13.060.01 Water quality in general
 - 13.060.10 Water of natural resources
 - 13.060.20 Drinking water
 - 13.060.25 Water for industrial use
 - 13.060.30 Sewage water
 - 13.060.45 Examination of water in general
 - 13.060.50 Examination of water for chemical substances
 - 13.060.60 Examination of physical properties of water
 - 13.060.70 Examination of biological properties of water
 - 13.060.99 Other standards related to water quality
- 13.080 **Soil quality. Pedology**
 - 13.080.01 Soil quality and pedology in general
 - 13.080.05 Examination of soils in general
 - 13.080.10 Chemical characteristics of soils
 - 13.080.20 Physical properties of soils
 - 13.080.30 Biological properties of soils
 - 13.080.40 Hydrological properties of soils
 - 13.080.99 Other standards related to soil quality
- 13.100 **Occupational safety. Industrial hygiene**
- 13.110 **Safety of machinery**

- 13.120 **Domestic safety**
- 13.140 **Noise with respect to human beings**
- 13.160 **Vibration and shock with respect to human beings**
- 13.180 **Ergonomics**
- 13.200 **Accident and disaster control**
- 13.220 **Protection against fire**
 - 13.220.01 Protection against fire in general
 - 13.220.10 Fire-fighting
 - 13.220.20 Fire protection
 - 13.220.40 Ignitability and burning behaviour of materials and products
 - 13.220.50 Fire-resistance of building materials and elements
 - 13.220.99 Other standards related to protection against fire
- 13.230 **Explosion protection**
- 13.240 **Protection against excessive pressure**
- 13.260 **Protection against electric shock. Live working**
- 13.280 **Radiation protection**
- 13.300 **Protection against dangerous goods**
- 13.310 **Protection against crime**
- 13.320 **Alarm and warning systems**
- 13.340 **Protective equipment**
 - 13.340.01 Protective equipment in general
 - 13.340.10 Protective clothing
 - 13.340.20 Head protective equipment
 - 13.340.30 Respiratory protective devices
 - 13.340.40 Hand and arm protection
 - 13.340.50 Leg and foot protection
 - 13.340.60 Protection against falling and slipping
 - 13.340.70 Lifejackets, buoyancy aids and flotation devices
 - 13.340.99 Other protective equipment

17- METROLOGY AND MEASUREMENT. PHYSICAL PHENOMENA

- 17.020 **Metrology and measurement in general**
- 17.040 **Linear and angular measurements**
 - 17.040.01 Linear and angular measurements in general
 - 17.040.10 Limits and fits
 - 17.040.20 Properties of surfaces
 - 17.040.30 Measuring instruments
 - 17.040.40 Geometrical Product Specification (GPS)
 - 17.040.99 Other standards related to linear and angular measurements
- 17.060 **Measurement of volume, mass, density, viscosity**
- 17.080 **Measurement of time, velocity, acceleration, angular velocity**
- 17.100 **Measurement of force, weight and pressure**
- 17.120 **Measurement of fluid flow**
 - 17.120.01 Measurement of fluid flow in general
 - 17.120.10 Flow in closed conduits
 - 17.120.20 Flow in open channels
- 17.140 **Acoustics and acoustic measurements**
 - 17.140.01 Acoustic measurements and noise abatement in general
 - 17.140.20 Noise emitted by machines and equipment
 - 17.140.30 Noise emitted by means of transport
 - 17.140.50 Electroacoustics
 - 17.140.99 Other standards related to acoustics
- 17.160 **Vibrations, shock and vibration measurements**
- 17.180 **Optics and optical measurements**
 - 17.180.01 Optics and optical measurements in general
 - 17.180.20 Colours and measurement of light
 - 17.180.30 Optical measuring instruments
 - 17.180.99 Other standards related to optics and optical measurements
- 17.200 **Thermodynamics and temperature measurements**
 - 17.200.01 Thermodynamics in general
 - 17.200.10 Heat. Calorimetry

- 17.200.20 Temperature-measuring instruments
- 17.200.99 Other standards related to thermodynamics
- 17.220 **Electricity. Magnetism. Electrical and magnetic measurements**
- 17.220.01 Electricity. Magnetism. General aspects
- 17.220.20 Measurement of electrical and magnetic quantities
- 17.220.99 Other standards related to electricity and magnetism
- 17.240 **Radiation measurements**

19- TESTING

- 19.020 **Test conditions and procedures in general**
- 19.040 **Environmental testing**
- 19.060 **Mechanical testing**
- 19.080 **Electrical and electronic testing**
- 19.100 **Non-destructive testing**
- 19.120 **Particle size analysis. Sieving**

21- MECHANICAL SYSTEMS AND COMPONENTS FOR GENERAL USE

- 21.020 **Characteristics and design of machines, apparatus, equipment**
- 21.040 **Screw threads**
 - 21.040.01 Screw threads in general
 - 21.040.10 Metric screw threads
 - 21.040.20 Inch screw threads
 - 21.040.30 Special screw threads
- 21.060 **Fasteners**
 - 21.060.01 Fasteners in general
 - 21.060.10 Bolts, screws, studs
 - 21.060.20 Nuts
 - 21.060.30 Washers, locking elements
 - 21.060.40 Rivets
 - 21.060.50 Pins, nails
 - 21.060.60 Rings, bushes, sleeves, collars
 - 21.060.70 Clamps and staples
 - 21.060.99 Other fasteners
- 21.080 **Hinges, eyelets and other articulated joints**
- 21.100 **Bearings**
 - 21.100.01 Bearings in general
 - 21.100.10 Plain bearings
 - 21.100.20 Rolling bearings
- 21.120 **Shafts and couplings**
 - 21.120.01 Shafts and couplings in general
 - 21.120.10 Shafts
 - 21.120.20 Couplings
 - 21.120.30 Keys and keyways, splines
 - 21.120.40 Balancing and balancing machines
 - 21.120.99 Other standards related to shafts and couplings
- 21.140 **Seals, glands**
- 21.160 **Springs**
- 21.180 **Housings, enclosures, other machine parts**
- 21.200 **Gears**
- 21.220 **Flexible drives and transmissions**
 - 21.220.01 Flexible drives and transmissions in general
 - 21.220.10 Belt drives and their components
 - 21.220.20 Cable or rope drives and their components
 - 21.220.30 Chain drives and their components
 - 21.220.99 Other flexible drives and transmissions
- 21.240 **Rotary-reciprocating mechanisms and their parts**
- 21.260 **Lubrication systems**

23- FLUID SYSTEMS AND COMPONENTS FOR GENERAL USE

- 23.020 **Fluid storage devices**
 - 23.020.01 Fluid storage devices in general
 - 23.020.10 Stationary containers and tanks
 - 23.020.20 Vessels and containers mounted on vehicles
 - 23.020.30 Pressure vessels
 - 23.020.35 Gas cylinders
 - 23.020.40 Cryogenic vessels
 - 23.020.99 Other fluid storage devices
- 23.040 **Pipeline components and pipelines**
 - 23.040.01 Pipeline components and pipelines in general
 - 23.040.03 Pipelines and its parts for external water conveyance systems
 - 23.040.05 Pipelines and its parts for external sewage systems
 - 23.040.07 Pipelines and its parts for district heat
 - 23.040.10 Iron and steel pipes
 - 23.040.15 Non-ferrous metal pipes
 - 23.040.20 Plastics pipes
 - 23.040.40 Metal fittings
 - 23.040.45 Plastics fittings
 - 23.040.50 Pipes and fittings of other materials
 - 23.040.60 Flanges, couplings and joints
 - 23.040.70 Hoses and hose assemblies
 - 23.040.80 Seals for pipe and hose assemblies
 - 23.040.99 Other pipeline components
- 23.060 **Valves**
 - 23.060.01 Valves in general
 - 23.060.10 Globe valves
 - 23.060.20 Ball and plug valves
 - 23.060.30 Gate valves
 - 23.060.40 Pressure regulators
 - 23.060.50 Check valves
 - 23.060.99 Other valves
- 23.080 **Pumps**
- 23.100 **Fluid power systems**
 - 23.100.01 Fluid power systems in general
 - 23.100.10 Pumps and motors
 - 23.100.20 Cylinders
 - 23.100.40 Piping and couplings
 - 23.100.50 Control components
 - 23.100.60 Filters, seals and contamination of fluids
 - 23.100.99 Other fluid power system components
- 23.120 **Ventilators. Fans. Air-conditioners**
- 23.140 **Compressors and pneumatic machines**
- 23.160 **Vacuum technology**

25- MANUFACTURING ENGINEERING

- 25.020 **Manufacturing forming processes**
- 25.030 **Additive manufacturing**
- 25.040 **Industrial automation systems**
 - 25.040.01 Industrial automation systems in general
 - 25.040.10 Machining centres
 - 25.040.20 Numerically controlled machines
 - 25.040.30 Industrial robots. Manipulators
 - 25.040.40 Industrial process measurement and control
 - 25.040.99 Other industrial automation systems
- 25.060 **Machine tool systems**
 - 25.060.01 Machine tool systems in general
 - 25.060.10 Modular units and other devices

25.060.20	Dividing and tool-workpiece holding devices
25.060.99	Other machine tool systems
25.080	Machine tools
25.080.01	Machine tools in general
25.080.10	Lathes
25.080.20	Boring and milling machines
25.080.25	Planing machines
25.080.30	Broaching machines
25.080.40	Drilling machines
25.080.50	Grinding and polishing machines
25.080.60	Sawing machines
25.080.99	Other machine tools
25.100	Cutting tools
25.100.01	Cutting tools in general
25.100.10	Turning tools
25.100.20	Milling tools
25.100.25	Tools for planing and broaching machines
25.100.30	Drills, countersinks, reamers
25.100.40	Saws
25.100.50	Taps and threading dies
25.100.60	Files
25.100.70	Abrasives
25.100.99	Other cutting tools
25.120	Chipless working equipment
25.120.01	Chipless working equipment in general
25.120.10	Forging equipment. Presses. Shears
25.120.20	Rolling, extruding and drawing equipment
25.120.30	Moulding equipment
25.120.40	Electrochemical machines
25.120.99	Other chipless working equipment
25.140	Hand-held tools
25.140.01	Hand-held tools in general
25.140.10	Pneumatic tools
25.140.20	Electric tools
25.140.30	Hand-operated tools
25.140.99	Other hand-held tools
25.160	Welding, brazing and soldering
25.160.01	Welding, brazing and soldering in general
25.160.10	Welding processes
25.160.20	Welding consumables
25.160.30	Welding equipment
25.160.40	Welded joints and welds
25.160.50	Brazing and soldering
25.180	Industrial furnaces
25.180.01	Industrial furnaces in general
25.180.10	Electric furnaces
25.180.20	Fuel furnaces
25.200	Heat treatment
25.220	Surface treatment and coating
25.220.01	Surface treatment and coating in general
25.220.10	Surface preparation
25.220.20	Surface treatment
25.220.40	Metallic coatings
25.220.50	Enamels
25.220.60	Organic coatings
25.220.99	Other treatments and coatings

27- ENERGY AND HEAT TRANSFER ENGINEERING

27.010	Energy and heat transfer engineering in general
27.015	Energy efficiency. Energy conservation in general
27.020	Internal combustion engines

- 27.040 **Gas and steam turbines. Steam engines**
- 27.060 **Burners. Boilers**
- 27.060.01 Burners and boilers in general
- 27.060.10 Liquid and solid fuel burners
- 27.060.20 Gas fuel burners
- 27.060.30 Boilers and heat exchangers
- 27.070 **Fuel cells**
- 27.075 **Hydrogen technologies**
- 27.080 **Heat pumps**
- 27.100 **Power stations in general**
- 27.120 **Nuclear energy engineering**
- 27.120.01 Nuclear energy in general
- 27.120.10 Reactor engineering
- 27.120.20 Nuclear power plants. Safety
- 27.120.30 Fissile materials and nuclear fuel technology
- 27.120.99 Other standards related to nuclear energy
- 27.140 **Hydraulic energy engineering**
- 27.160 **Solar energy engineering**
- 27.180 **Wind turbine energy systems**
- 27.190 **Biological sources and alternative sources of energy**
- 27.200 **Refrigerating technology**
- 27.220 **Heat recovery. Thermal insulation**

29- ELECTRICAL ENGINEERING

- 29.020 **Electrical engineering in general**
- 29.030 **Magnetic materials**
- 29.035 **Insulating materials**
- 29.035.01 Insulating materials in general
- 29.035.10 Paper and board insulating materials
- 29.035.20 Plastics and rubber insulating materials
- 29.035.30 Glass and ceramic insulating materials
- 29.035.50 Mica based materials
- 29.035.60 Varnished fabrics
- 29.035.99 Other insulating materials
- 29.040 **Insulating fluids**
- 29.040.01 Insulating fluids in general
- 29.040.10 Insulating oils
- 29.040.20 Insulating gases
- 29.040.99 Other insulating fluids
- 29.045 **Semiconducting materials**
- 29.050 **Superconductivity and conducting materials**
- 29.060 **Electrical wires and cables**
- 29.060.01 Electrical wires and cables in general
- 29.060.10 Wires
- 29.060.20 Cables
- 29.080 **Insulation**
- 29.080.01 Electrical insulation in general
- 29.080.10 Insulators
- 29.080.20 Bushings
- 29.080.30 Insulation systems
- 29.080.99 Other standards related to insulation
- 29.100 **Components for electrical equipment**
- 29.100.01 Components for electrical equipment in general
- 29.100.10 Magnetic components
- 29.100.20 Electric and electromechanical components
- 29.100.99 Other components for electrical equipment
- 29.120 **Electrical accessories**
- 29.120.01 Electrical accessories in general
- 29.120.10 Conduits for electrical purposes
- 29.120.20 Connecting devices
- 29.120.30 Plugs, socket-outlets, couplers

- 29.120.40 Switches
- 29.120.50 Fuses and other overcurrent protection devices
- 29.120.70 Relays
- 29.120.99 Other electrical accessories
- 29.130 **Switchgear and controlgear**
- 29.130.01 Switchgear and controlgear in general
- 29.130.10 High voltage switchgear and controlgear
- 29.130.20 Low voltage switchgear and controlgear
- 29.130.99 Other switchgear and controlgear
- 29.140 **Lamps and related equipment**
- 29.140.01 Lamps in general
- 29.140.10 Lamp caps and holders
- 29.140.20 Incandescent lamps
- 29.140.30 Fluorescent lamps. Discharge lamps
- 29.140.40 Luminaires
- 29.140.50 Lighting installation systems
- 29.140.99 Other standards related to lamps
- 29.160 **Rotating machinery**
- 29.160.01 Rotating machinery in general
- 29.160.10 Components for rotating machines
- 29.160.20 Generators
- 29.160.30 Motors
- 29.160.40 Generating sets
- 29.160.99 Other standards related to rotating machinery
- 29.180 **Transformers. Reactors**
- 29.200 **Rectifiers. Converters. Stabilized power supply**
- 29.220 **Galvanic cells and batteries**
- 29.220.01 Galvanic cells and batteries in general
- 29.220.10 Primary cells and batteries
- 29.220.20 Acid secondary cells and batteries
- 29.220.30 Alkaline secondary cells and batteries
- 29.220.99 Other cells and batteries
- 29.240 **Power transmission and distribution networks**
- 29.240.01 Power transmission and distribution networks in general
- 29.240.10 Substations. Surge arresters
- 29.240.20 Power transmission and distribution lines
- 29.240.30 Control equipment for electric power systems
- 29.240.99 Other equipment related to power transmission and distribution networks
- 29.260 **Electrical equipment for working in special conditions**
- 29.260.01 Electrical equipment for working in special conditions in general
- 29.260.10 Electrical installations for outdoor use
- 29.260.20 Electrical apparatus for explosive atmospheres
- 29.260.99 Other electrical equipment for working in special conditions
- 29.280 **Electric traction equipment**

31- ELECTRONICS

- 31.020 **Electronic components in general**
- 31.040 **Resistors**
- 31.040.01 Resistors in general
- 31.040.10 Fixed resistors
- 31.040.20 Potentiometers, variable resistors
- 31.040.30 Thermistors
- 31.040.99 Other resistors
- 31.060 **Capacitors**
- 31.060.01 Capacitors in general
- 31.060.10 Fixed capacitors
- 31.060.20 Ceramic and mica capacitors
- 31.060.30 Paper and plastics capacitors
- 31.060.40 Tantalum electrolytic capacitors
- 31.060.50 Aluminium electrolytic capacitors
- 31.060.60 Variable capacitors

- 31.060.70 Power capacitors
- 31.060.99 Other capacitors
- 31.080 **Semiconductor devices**
- 31.080.01 Semiconductor devices in general
- 31.080.10 Diodes
- 31.080.20 Thyristors
- 31.080.30 Transistors
- 31.080.99 Other semiconductor devices
- 31.100 **Electronic tubes**
- 31.120 **Electronic display devices**
- 31.140 **Piezoelectric devices**
- 31.160 **Electric filters**
- 31.180 **Printed circuits and boards**
- 31.190 **Electronic component assemblies**
- 31.200 **Integrated circuits. Microelectronics**
- 31.220 **Electromechanical components for electronic and telecommunications equipment**
- 31.220.01 Electromechanical components in general
- 31.220.10 Plug-and-socket devices. Connectors
- 31.220.20 Switches
- 31.220.99 Other electromechanical components
- 31.240 **Mechanical structures for electronic equipment**
- 31.260 **Optoelectronics. Laser equipment**

33- TELECOMMUNICATIONS. AUDIO AND VIDEO ENGINEERING

- 33.020 **Telecommunications in general**
- 33.030 **Telecommunication services. Applications**
- 33.040 **Telecommunication systems**
- 33.040.01 Telecommunication systems in general
- 33.040.20 Transmission systems
- 33.040.30 Switching and signalling systems
- 33.040.35 Telephone networks
- 33.040.40 Data communication networks
- 33.040.50 Lines, connections and circuits
- 33.040.60 Powerline telecommunications
- 33.040.99 Other equipment for telecommunication systems
- 33.050 **Telecommunication terminal equipment**
- 33.050.01 Telecommunication terminal equipment in general
- 33.050.10 Telephone equipment
- 33.050.20 Paging equipment
- 33.050.30 Equipment for telex, teletext, telefax
- 33.050.99 Other telecommunication terminal equipment
- 33.060 **Radiocommunications**
- 33.060.01 Radiocommunications in general
- 33.060.20 Receiving and transmitting equipment
- 33.060.30 Radio relay and fixed satellite communications systems
- 33.060.40 Cabled distribution systems
- 33.060.99 Other equipment for radiocommunications
- 33.070 **Mobile services**
- 33.070.01 Mobile services in general
- 33.070.10 Terrestrial Trunked Radio (TETRA)
- 33.070.20 Paging systems
- 33.070.30 Digital Enhanced Cordless Telecommunications (DECT)
- 33.070.40 Satellite
- 33.070.50 Global System for Mobile Communication (GSM)
- 33.070.99 Other mobile services
- 33.080 **Integrated Services Digital Network (ISDN)**
- 33.100 **Electromagnetic compatibility (EMC)**
- 33.100.01 Electromagnetic compatibility in general
- 33.100.10 Emission
- 33.100.20 Immunity
- 33.100.99 Other aspects related to EMC

- 33.120 **Components and accessories for telecommunications equipment**
- 33.120.01 Components and accessories in general
- 33.120.10 Coaxial cables. Waveguides
- 33.120.20 Wires and symmetrical cables
- 33.120.30 RF connectors
- 33.120.40 Aerials
- 33.120.99 Other components and accessories
- 33.140 **Special measuring equipment for use in telecommunications**
- 33.160 **Audio, video and audiovisual engineering**
- 33.160.01 Audio, video and audiovisual systems in general
- 33.160.10 Amplifiers
- 33.160.20 Radio receivers
- 33.160.25 Television receivers
- 33.160.30 Audio systems
- 33.160.40 Video systems
- 33.160.50 Accessories
- 33.160.60 Multimedia systems and teleconferencing equipment
- 33.160.99 Other audio, video and audiovisual equipment
- 33.170 **Television and radio broadcasting**
- 33.180 **Fibre optic communications**
- 33.180.01 Fibre optic systems in general
- 33.180.10 Fibres and cables
- 33.180.20 Fibre optic interconnecting devices
- 33.180.30 Optic amplifiers
- 33.180.99 Other fibre optic equipment
- 33.200 **Telecontrol. Telemetry**

35- INFORMATION TECHNOLOGY

- 35.020 **Information technology (IT) in general**
- 35.030 **IT Security**
- 35.040 **Information coding**
- 35.040.01 Information coding in general
- 35.040.10 Coding of character sets
- 35.040.30 Coding of graphical and photographic information
- 35.040.40 Coding of audio, video, multimedia and hypermedia information
- 35.040.50 Automatic identification and data capture techniques
- 35.040.99 Other standards related to information coding
- 35.060 **Languages used in information technology**
- 35.080 **Software**
- 35.100 **Open systems interconnection (OSI)**
- 35.100.01 Open systems interconnection in general
- 35.100.05 Multilayer applications
- 35.100.10 Physical layer
- 35.100.20 Data link layer
- 35.100.30 Network layer
- 35.100.40 Transport layer
- 35.100.50 Session layer
- 35.100.60 Presentation layer
- 35.100.70 Application layer
- 35.110 **Networking**
- 35.140 **Computer graphics**
- 35.160 **Microprocessor systems**
- 35.180 **IT terminal and other peripheral equipment**
- 35.200 **Interface and interconnection equipment**
- 35.210 **Cloud computing**
- 35.220 **Data storage devices**
- 35.220.01 Data storage devices in general
- 35.220.10 Paper cards and tapes
- 35.220.20 Magnetic storage devices in general
- 35.220.21 Magnetic disks
- 35.220.22 Magnetic tapes

- 35.220.23 Cassettes and cartridges for magnetic tapes
- 35.220.30 Optical storage devices
- 35.220.99 Other data storage devices
- 35.240 **Applications of information technology**
- 35.240.01 Application of information technology in general
- 35.240.10 Computer-aided design (CAD)
- 35.240.15 Identification cards. Chip cards. Biometrics
- 35.240.20 IT applications in office work
- 35.240.30 IT applications in information, documentation and publishing
- 35.240.40 IT applications in banking
- 35.240.50 IT applications in industry
- 35.240.60 IT applications in transport
- 35.240.63 IT applications in trade
- 35.240.67 IT applications in building and construction industry
- 35.240.68 IT applications in agriculture
- 35.240.69 IT applications in postal services
- 35.240.70 IT applications in science
- 35.240.80 IT applications in health care technology
- 35.240.90 IT applications in education
- 35.240.95 Internet applications
- 35.240.99 IT applications in other fields
- 35.260 **Office machines**

37- IMAGE TECHNOLOGY

- 37.020 **Optical equipment**
- 37.040 **Photography**
- 37.040.01 Photography in general
- 37.040.10 Photographic equipment. Projectors
- 37.040.20 Photographic paper, films and plates. Cartridges
- 37.040.25 Radiographic films
- 37.040.30 Photographic chemicals
- 37.040.99 Other standards related to photography
- 37.060 **Cinematography**
- 37.060.01 Cinematography in general
- 37.060.10 Motion picture equipment
- 37.060.20 Motion picture films. Cartridges
- 37.060.99 Other standards related to cinematography
- 37.080 **Document imaging applications**
- 37.100 **Graphic technology**
- 37.100.01 Graphic technology in general
- 37.100.10 Reproduction equipment
- 37.100.20 Materials for graphic technology
- 37.100.99 Other standards related to graphic technology

39- PRECISION MECHANICS. JEWELLERY

- 39.020 **Precision mechanics**
- 39.040 **Horology**
- 39.040.01 Horology in general
- 39.040.10 Watches
- 39.040.20 Clocks
- 39.040.99 Other time-measuring instruments
- 39.060 **Jewellery**

43- ROAD VEHICLES ENGINEERING

- 43.020 **Road vehicles in general**
- 43.040 **Road vehicle systems**
 - 43.040.01 Road vehicle systems in general
 - 43.040.10 Electrical and electronic equipment
 - 43.040.15 Car informatics. On board computer systems
 - 43.040.20 Lighting, signalling and warning devices
 - 43.040.30 Indicating and control devices
 - 43.040.40 Braking systems
 - 43.040.50 Transmissions, suspensions
 - 43.040.60 Bodies and body components
 - 43.040.65 Glazing and wiper systems
 - 43.040.70 Couplings
 - 43.040.80 Crash protection and restraint systems
 - 43.040.99 Other road vehicle systems
- 43.060 **Internal combustion engines for road vehicles**
 - 43.060.01 Internal combustion engines for road vehicles in general
 - 43.060.10 Engine block and internal components
 - 43.060.20 Pressure charging and air/exhaust gas ducting systems
 - 43.060.30 Cooling systems. Lubricating systems
 - 43.060.40 Fuel systems
 - 43.060.50 Electrical and electronic equipment. Control systems
 - 43.060.99 Other components and systems of internal combustion engines
- 43.080 **Commercial vehicles**
 - 43.080.01 Commercial vehicles in general
 - 43.080.10 Trucks and trailers
 - 43.080.20 Buses
 - 43.080.99 Other commercial vehicles
- 43.100 **Passenger cars. Caravans and light trailers**
- 43.120 **Electric road vehicles**
- 43.140 **Motorcycles and mopeds**
- 43.150 **Cycles**
- 43.160 **Special purpose vehicles**
- 43.180 **Diagnostic, maintenance and test equipment**

45- RAILWAY ENGINEERING

- 45.020 **Railway engineering in general**
- 45.040 **Materials and components for railway engineering**
- 45.060 **Railway rolling stock**
 - 45.060.01 Railway rolling stock in general
 - 45.060.10 Tractive stock
 - 45.060.20 Trailing stock
- 45.080 **Rails and railway components**
- 45.100 **Cableway equipment**
- 45.120 **Equipment for railway/cableway construction and maintenance**
- 45.140 **Metro, tram and light rail equipment**

47- SHIPBUILDING AND MARINE STRUCTURES

- 47.020 **Shipbuilding and marine structures in general**
 - 47.020.01 General standards related to shipbuilding and marine structures
 - 47.020.05 Materials and components for shipbuilding
 - 47.020.10 Hulls and their structure elements
 - 47.020.20 Marine engines and propulsion systems
 - 47.020.30 Piping systems
 - 47.020.40 Lifting and cargo handling equipment
 - 47.020.50 Deck equipment and installations

- 47.020.60 Electrical equipment of ships and of marine structures
- 47.020.70 Navigation and control equipment
- 47.020.80 Accommodation spaces
- 47.020.85 Cargo spaces
- 47.020.90 Marine ventilation, air conditioning and heating systems
- 47.020.99 Other standards related to shipbuilding and marine structures
- 47.040 **Seagoing vessels**
- 47.060 **Inland navigation vessels**
- 47.080 **Small craft**

49- AIRCRAFT AND SPACE VEHICLE ENGINEERING

- 49.020 **Aircraft and space vehicles in general**
- 49.025 **Materials for aerospace construction**
 - 49.025.01 Materials for aerospace construction in general
 - 49.025.05 Ferrous alloys in general
 - 49.025.10 Steels
 - 49.025.15 Non-ferrous alloys in general
 - 49.025.20 Aluminium
 - 49.025.30 Titanium
 - 49.025.40 Rubber and plastics
 - 49.025.50 Adhesives
 - 49.025.60 Textiles
 - 49.025.99 Other materials
- 49.030 **Fasteners for aerospace construction**
 - 49.030.01 Fasteners in general
 - 49.030.10 Screw threads
 - 49.030.20 Bolts, screws, studs
 - 49.030.30 Nuts
 - 49.030.40 Pins, nails
 - 49.030.50 Washers and other locking elements
 - 49.030.60 Rivets
 - 49.030.99 Other fasteners
- 49.035 **Components for aerospace construction**
- 49.040 **Coatings and related processes used in aerospace industry**
- 49.045 **Structure and structure elements**
- 49.050 **Aerospace engines and propulsion systems**
- 49.060 **Aerospace electric equipment and systems**
- 49.080 **Aerospace fluid systems and components**
- 49.090 **On-board equipment and instruments**
- 49.095 **Passenger and cabin equipment**
- 49.100 **Ground service and maintenance equipment**
- 49.120 **Cargo equipment**
- 49.140 **Space systems and operations**

53- MATERIALS HANDLING EQUIPMENT

- 53.020 **Lifting equipment**
 - 53.020.01 Lifting appliances in general
 - 53.020.20 Cranes
 - 53.020.30 Accessories for lifting equipment
 - 53.020.99 Other lifting equipment
- 53.040 **Continuous handling equipment**
 - 53.040.01 Continuous handling equipment in general
 - 53.040.10 Conveyors
 - 53.040.20 Components for conveyors
 - 53.040.30 Pneumatic transport and its components
 - 53.040.99 Other continuous handling equipment
- 53.060 **Industrial trucks**
- 53.080 **Storage equipment**

- 53.100 **Earth-moving machinery**
- 53.120 **Equipment for manual handling**

55- PACKAGING AND DISTRIBUTION OF GOODS

- 55.020 **Packaging and distribution of goods in general**
- 55.040 **Packaging materials and accessories**
- 55.060 **Spools. Bobbins**
- 55.080 **Sacks. Bags**
- 55.100 **Bottles. Pots. Jars**
- 55.120 **Cans. Tins. Tubes**
- 55.130 **Aerosol containers**
- 55.140 **Barrels. Drums. Canisters**
- 55.160 **Cases. Boxes. Crates**
- 55.180 **Freight distribution of goods**
 - 55.180.01 Freight distribution of goods in general
 - 55.180.10 General purpose containers
 - 55.180.20 General purpose pallets
 - 55.180.30 Air mode containers, pallets and nets
 - 55.180.40 Complete, filled transport packages
 - 55.180.99 Other standards related to freight distribution of goods
- 55.200 **Packaging machinery**
- 55.220 **Storing. Warehousing**
- 55.230 **Distribution and vending machines**

59- TEXTILE AND LEATHER TECHNOLOGY

- 59.020 **Processes of the textile industry**
- 59.040 **Textile auxiliary materials**
- 59.060 **Textile fibres**
 - 59.060.01 Textile fibres in general
 - 59.060.10 Natural fibres
 - 59.060.20 Man-made fibres
 - 59.060.30 Mineral and metal fibres
 - 59.060.99 Other textile fibres
- 59.080 **Products of the textile industry**
 - 59.080.01 Textiles in general
 - 59.080.20 Yarns
 - 59.080.30 Textile fabrics
 - 59.080.40 Coated fabrics
 - 59.080.50 Ropes
 - 59.080.70 Geotextiles
 - 59.080.80 Smart textiles
 - 59.080.99 Other products of the textile industry
- 59.100 **Materials for the reinforcement of composites**
 - 59.100.01 Materials for the reinforcement of composites in general
 - 59.100.10 Textile glass materials
 - 59.100.20 Carbon materials
 - 59.100.30 Aramide materials
 - 59.100.99 Other materials for the reinforcement of composites
- 59.120 **Textile machinery**
 - 59.120.01 Textile machinery in general
 - 59.120.10 Spinning, twisting and texturing machines
 - 59.120.20 Winding machines and equipment
 - 59.120.30 Looms. Weaving machines
 - 59.120.40 Knitting machines
 - 59.120.50 Dyeing and finishing equipment
 - 59.120.99 Other textile machinery
- 59.140 **Leather technology**
 - 59.140.01 Leather technology in general

59.140.10	Processes and auxiliary materials
59.140.20	Raw skins, hides and pelts
59.140.30	Leather and furs
59.140.35	Leather products
59.140.40	Machines and equipment for leather and fur production
59.140.99	Other standards related to leather technology

61- CLOTHING INDUSTRY

61.020	Clothes
61.040	Headgear. Clothing accessories. Fastening of clothing
61.060	Footwear
61.080	Sewing machines and other equipment for the clothing industry

65- AGRICULTURE

65.020	Farming and forestry
65.020.01	Farming and forestry in general
65.020.20	Plant growing
65.020.30	Animal husbandry and breeding
65.020.40	Landscaping and silviculture
65.020.99	Other standards related to farming and forestry
65.040	Farm buildings, structures and installations
65.040.01	Farm buildings and installations in general
65.040.10	Livestock buildings, installations and equipment
65.040.20	Buildings and installations for processing and storage of agricultural produce
65.040.30	Greenhouses and other installations
65.040.99	Other standards related to farm buildings and installations
65.060	Agricultural machines, implements and equipment
65.060.01	Agricultural machines and equipment in general
65.060.10	Agricultural tractors and trailed vehicles
65.060.20	Soil-working equipment
65.060.25	Equipment for storage, preparation and distribution of fertilizers
65.060.30	Sowing and planting equipment
65.060.35	Irrigation and drainage equipment
65.060.40	Plant care equipment
65.060.50	Harvesting equipment
65.060.60	Viticultural and wine-making equipment
65.060.70	Horticultural equipment
65.060.80	Forestry equipment
65.060.99	Other agricultural machines and equipment
65.080	Fertilizers
65.100	Pesticides and other agrochemicals
65.100.01	Pesticides and other agrochemicals in general
65.100.10	Insecticides
65.100.20	Herbicides
65.100.30	Fungicides
65.100.99	Other pesticides and agrochemicals
65.120	Animal feeding stuffs
65.140	Beekeeping
65.145	Hunting
65.150	Fishing and fish breeding
65.160	Tobacco, tobacco products and related equipment

67- FOOD TECHNOLOGY

- 67.020 **Processes in the food industry**
- 67.040 **Food products in general**
- 67.050 **General methods of tests and analysis for food products**
- 67.060 **Cereals, pulses and derived products**
- 67.080 **Fruits. Vegetables**
 - 67.080.01 Fruits, vegetables and derived products in general
 - 67.080.10 Fruits and derived products
 - 67.080.20 Vegetables and derived products
- 67.100 **Milk and milk products**
 - 67.100.01 Milk and milk products in general
 - 67.100.10 Milk and processed milk products
 - 67.100.20 Butter
 - 67.100.30 Cheese
 - 67.100.40 Ice cream and ice confectionery
 - 67.100.99 Other milk products
- 67.120 **Meat, meat products and other animal produce**
 - 67.120.01 Animal produce in general
 - 67.120.10 Meat and meat products
 - 67.120.20 Poultry and eggs
 - 67.120.30 Fish and fishery products
 - 67.120.99 Other animal produce
- 67.140 **Tea. Coffee. Cocoa**
 - 67.140.10 Tea
 - 67.140.20 Coffee and coffee substitutes
 - 67.140.30 Cocoa
- 67.160 **Beverages**
 - 67.160.01 Beverages in general
 - 67.160.10 Alcoholic beverages
 - 67.160.20 Non-alcoholic beverages
- 67.180 **Sugar. Sugar products. Starch**
 - 67.180.10 Sugar and sugar products
 - 67.180.20 Starch and derived products
- 67.190 **Chocolate**
- 67.200 **Edible oils and fats. Oilseeds**
 - 67.200.10 Animal and vegetable fats and oils
 - 67.200.20 Oilseeds
- 67.220 **Spices and condiments. Food additives**
 - 67.220.10 Spices and condiments
 - 67.220.20 Food additives
- 67.230 **Prepackaged and prepared foods**
- 67.240 **Sensory analysis**
- 67.250 **Materials and articles in contact with foodstuffs**
- 67.260 **Plants and equipment for the food industry**

71- CHEMICAL TECHNOLOGY

- 71.020 **Production in the chemical industry**
- 71.040 **Analytical chemistry**
 - 71.040.01 Analytical chemistry in general
 - 71.040.10 Chemical laboratories. Laboratory equipment
 - 71.040.20 Laboratory ware and related apparatus
 - 71.040.30 Chemical reagents
 - 71.040.40 Chemical analysis
 - 71.040.50 Physicochemical methods of analysis
 - 71.040.99 Other standards related to analytical chemistry
- 71.060 **Inorganic chemicals**
 - 71.060.01 Inorganic chemicals in general
 - 71.060.10 Chemical elements

71.060.20	Oxides
71.060.30	Acids
71.060.40	Bases
71.060.50	Salts
71.060.99	Other inorganic chemicals
71.080	Organic chemicals
71.080.01	Organic chemicals in general
71.080.10	Aliphatic hydrocarbons
71.080.15	Aromatic hydrocarbons
71.080.20	Halogenated hydrocarbons
71.080.30	Organic nitrogen compounds
71.080.40	Organic acids
71.080.50	Anhydrides
71.080.60	Alcohols. Ethers
71.080.70	Esters
71.080.80	Aldehydes and ketones
71.080.90	Phenols
71.080.99	Other organic chemicals
71.100	Products of the chemical industry
71.100.01	Products of the chemical industry in general
71.100.10	Materials for aluminium production
71.100.20	Gases for industrial application
71.100.30	Explosives. Pyrotechnics and fireworks
71.100.35	Chemicals for industrial and domestic disinfection purposes
71.100.40	Surface active agents
71.100.45	Refrigerants and antifreezes
71.100.50	Wood-protecting chemicals
71.100.55	Silicones
71.100.60	Essential oils
71.100.70	Cosmetics. Toiletries
71.100.80	Chemicals for purification of water
71.100.99	Other products of the chemical industry
71.120	Equipment for the chemical industry
71.120.01	Equipment for the chemical industry in general
71.120.10	Reaction vessels and their components
71.120.20	Columns
71.120.30	Heat exchangers
71.120.99	Other equipment for the chemical industry

73- MINING AND MINERALS

73.020	Mining and quarrying
73.040	Coals
73.060	Metalliferous minerals and their concentrates
73.060.01	Metalliferous minerals in general
73.060.10	Iron ores
73.060.20	Manganese ores
73.060.30	Chromium ores
73.060.40	Aluminium ores
73.060.99	Other metalliferous minerals
73.080	Non-metalliferous minerals
73.100	Mining equipment
73.100.01	Mining equipment in general
73.100.10	Tunnelling and tubing equipment
73.100.20	Ventilation, air-conditioning and illumination equipment
73.100.30	Equipment for drilling and mine excavation
73.100.40	Haulage and hoisting equipment
73.100.99	Other mining equipment
73.120	Equipment for processing of minerals

75- PETROLEUM AND RELATED TECHNOLOGIES

- 75.020 **Extraction and processing of petroleum and natural gas**
- 75.040 **Crude petroleum**
- 75.060 **Natural gas**
- 75.080 **Petroleum products in general**
- 75.100 **Lubricants, industrial oils and related products**
- 75.120 **Hydraulic fluids**
- 75.140 **Waxes, bituminous materials and other petroleum products**
- 75.160 **Fuels**
 - 75.160.01 Fuels in general
 - 75.160.10 Solid fuels
 - 75.160.20 Liquid fuels
 - 75.160.30 Gaseous fuels
 - 75.160.40 Biofuels
- 75.180 **Equipment for petroleum and natural gas industries**
 - 75.180.01 Equipment for petroleum and natural gas industries in general
 - 75.180.10 Exploratory, drilling and extraction equipment
 - 75.180.20 Processing equipment
 - 75.180.30 Volumetric equipment and measurements
 - 75.180.99 Other equipment for petroleum and natural gas industries
- 75.200 **Petroleum products and natural gas handling equipment**

77- METALLURGY

- 77.020 **Production of metals**
- 77.040 **Testing of metals**
 - 77.040.01 Testing of metals in general
 - 77.040.10 Mechanical testing of metals
 - 77.040.20 Non-destructive testing of metals
 - 77.040.30 Chemical analysis of metals
 - 77.040.99 Other methods of testing of metals
- 77.060 **Corrosion of metals**
- 77.080 **Ferrous metals**
 - 77.080.01 Ferrous metals in general
 - 77.080.10 Irons
 - 77.080.20 Steels
- 77.100 **Ferroalloys**
- 77.120 **Non-ferrous metals**
 - 77.120.01 Non-ferrous metals in general
 - 77.120.10 Aluminium and aluminium alloys
 - 77.120.20 Magnesium and magnesium alloys
 - 77.120.30 Copper and copper alloys
 - 77.120.40 Nickel, chromium and their alloys
 - 77.120.50 Titanium and titanium alloys
 - 77.120.60 Lead, zinc, tin and their alloys
 - 77.120.70 Cadmium, cobalt and their alloys
 - 77.120.99 Other non-ferrous metals and their alloys
- 77.140 **Iron and steel products**
 - 77.140.01 Iron and steel products in general
 - 77.140.10 Heat-treatable steels
 - 77.140.15 Steels for reinforcement of concrete
 - 77.140.20 Stainless steels
 - 77.140.25 Spring steels
 - 77.140.30 Steels for pressure purposes
 - 77.140.35 Tool steels
 - 77.140.40 Steels with special magnetic properties
 - 77.140.45 Non-alloyed steels
 - 77.140.50 Flat steel products and semi-products
 - 77.140.60 Steel bars and rods

77.140.65	Steel wire, wire ropes and link chains
77.140.70	Steel profiles
77.140.75	Steel pipes and tubes for specific use
77.140.80	Iron and steel castings
77.140.85	Iron and steel forgings
77.140.99	Other iron and steel products
77.150	Products of non-ferrous metals
77.150.01	Products of non-ferrous metals in general
77.150.10	Aluminium products
77.150.20	Magnesium products
77.150.30	Copper products
77.150.40	Nickel and chromium products
77.150.50	Titanium products
77.150.60	Lead, zinc and tin products
77.150.70	Cadmium and cobalt products
77.150.99	Other products of non-ferrous metals
77.160	Powder metallurgy
77.180	Equipment for the metallurgical industry

79- WOOD TECHNOLOGY

79.020	Wood technology processes
79.040	Wood, sawlogs and sawn timber
79.060	Wood-based panels
79.060.01	Wood-based panels in general
79.060.10	Plywood
79.060.20	Fibre and particle boards
79.060.99	Other wood-based panels
79.080	Semi-manufactures of timber
79.100	Cork and cork products
79.120	Woodworking equipment
79.120.01	Woodworking equipment in general
79.120.10	Woodworking machines
79.120.20	Woodworking tools
79.120.99	Other woodworking equipment

81- GLASS AND CERAMICS INDUSTRIES

81.020	Processes in the glass and ceramics industries
81.040	Glass
81.040.01	Glass in general
81.040.10	Raw materials and raw glass
81.040.20	Glass in building
81.040.30	Glass products
81.060	Ceramics
81.060.01	Ceramics in general
81.060.10	Raw materials
81.060.20	Ceramic products
81.060.30	Advanced ceramics
81.060.99	Other standards related to ceramics
81.080	Refractories
81.100	Equipment for the glass and ceramics industries

83- RUBBER AND PLASTIC INDUSTRIES

- 83.020 **Manufacturing processes in the rubber and plastics industries**
- 83.040 **Raw materials for rubber and plastics**
 - 83.040.01 Raw materials for rubber and plastics in general
 - 83.040.10 Latex and raw rubber
 - 83.040.20 Rubber compounding ingredients
 - 83.040.30 Auxiliary materials and additives for plastics
- 83.060 **Rubber**
- 83.080 **Plastics**
 - 83.080.01 Plastics in general
 - 83.080.10 Thermosetting materials
 - 83.080.20 Thermoplastic materials
- 83.100 **Cellular materials**
- 83.120 **Reinforced plastics**
- 83.140 **Rubber and plastics products**
 - 83.140.01 Rubber and plastics products in general
 - 83.140.10 Films and sheets
 - 83.140.20 Laminated sheets
 - 83.140.30 Plastics pipes and fittings for non fluid use
 - 83.140.40 Hoses
 - 83.140.50 Seals
 - 83.140.99 Other rubber and plastics products
- 83.160 **Tyres**
 - 83.160.01 Tyres in general
 - 83.160.10 Road vehicle tyres
 - 83.160.20 Aircraft tyres
 - 83.160.30 Tyres for agricultural machinery
 - 83.160.99 Other tyres
- 83.180 **Adhesives**
- 83.200 **Equipment for the rubber and plastics industries**

85- PAPER TECHNOLOGY

- 85.020 **Paper production processes**
- 85.040 **Pulps**
- 85.060 **Paper and board**
- 85.080 **Paper products**
 - 85.080.01 Paper products in general
 - 85.080.10 Office paper
 - 85.080.20 Tissue paper
 - 85.080.30 Cardboard
 - 85.080.99 Other paper products
- 85.100 **Equipment for the paper industry**

87- PAINT AND COLOUR INDUSTRIES

- 87.020 **Paint coating processes**
- 87.040 **Paints and varnishes**
- 87.060 **Paint ingredients**
 - 87.060.01 Paint ingredients in general
 - 87.060.10 Pigments and extenders
 - 87.060.20 Binders
 - 87.060.30 Solvents
 - 87.060.99 Other paint ingredients
- 87.080 **Inks. Printing inks**
- 87.100 **Paint coating equipment**

91- CONSTRUCTION MATERIALS AND BUILDING

- 91.010 **Construction industry**
- 91.010.01 Construction industry in general
- 91.010.10 Legal aspects
- 91.010.20 Contractual aspects
- 91.010.30 Technical aspects
- 91.010.99 Other aspects
- 91.020 **Physical planning. Town planning**
- 91.040 **Buildings**
- 91.040.01 Buildings in general
- 91.040.10 Public buildings
- 91.040.20 Buildings for commerce and industry
- 91.040.30 Residential buildings
- 91.040.99 Other buildings
- 91.060 **Elements of buildings**
- 91.060.01 Elements of buildings in general
- 91.060.10 Walls. Partitions. Façades
- 91.060.20 Roofs
- 91.060.30 Ceilings. Floors. Stairs
- 91.060.40 Chimneys, shafts, ducts
- 91.060.50 Doors and windows
- 91.060.99 Other elements of buildings
- 91.080 **Structures of buildings**
- 91.080.01 Structures of buildings in general
- 91.080.10 Metal structures
- 91.080.13 Steel structures
- 91.080.17 Aluminium structures
- 91.080.20 Timber structures
- 91.080.30 Masonry
- 91.080.40 Concrete structures
- 91.080.99 Other structures
- 91.090 **External structures**
- 91.100 **Construction materials**
- 91.100.01 Construction materials in general
- 91.100.10 Cement. Gypsum. Lime. Mortar
- 91.100.15 Mineral materials and products
- 91.100.23 Ceramic tiles
- 91.100.25 Terracotta building products
- 91.100.30 Concrete and concrete products
- 91.100.40 Products in fibre-reinforced cement
- 91.100.50 Binders. Sealing materials
- 91.100.60 Thermal and sound insulating materials
- 91.100.99 Other construction materials
- 91.120 **Protection of and in buildings**
- 91.120.01 Protection of and in buildings in general
- 91.120.10 Thermal insulation of buildings
- 91.120.20 Acoustics in building. Sound insulation
- 91.120.25 Seismic and vibration protection
- 91.120.30 Waterproofing
- 91.120.40 Lightning protection
- 91.120.99 Other standards related to protection of and in buildings
- 91.140 **Installations in buildings**
- 91.140.01 Installations in buildings in general
- 91.140.10 Central heating systems
- 91.140.30 Ventilation and air-conditioning systems
- 91.140.40 Gas supply systems
- 91.140.50 Electricity supply systems
- 91.140.60 Water supply systems
- 91.140.65 Water heating equipment
- 91.140.70 Sanitary installations
- 91.140.80 Drainage systems

- 91.140.90 Lifts. Escalators
- 91.140.99 Other installations in buildings
- 91.160 **Lighting**
- 91.160.01 Lighting in general
- 91.160.10 Interior lighting
- 91.160.20 Exterior building lighting
- 91.180 **Interior finishing**
- 91.190 **Building accessories**
- 91.200 **Construction technology**
- 91.220 **Construction equipment**

93- CIVIL ENGINEERING

- 93.010 **Civil engineering in general**
- 93.020 **Earthworks. Excavations. Foundation construction. Underground works**
- 93.025 **External water conveyance systems**
- 93.030 **External sewage systems**
- 93.040 **Bridge construction**
- 93.060 **Tunnel construction**
- 93.080 **Road engineering**
- 93.080.01 Road engineering in general
- 93.080.10 Road construction
- 93.080.20 Road construction materials
- 93.080.30 Road equipment and installations
- 93.080.40 Street lighting and related equipment
- 93.080.99 Other standards related to road engineering
- 93.100 **Construction of railways**
- 93.110 **Construction of ropeway**
- 93.120 **Construction of airports**
- 93.140 **Construction of waterways, ports and dykes**
- 93.160 **Hydraulic construction**

95- MILITARY AFFAIRS. MILITARY ENGINEERING. WEAPONS

- 95.020 **Military in general**
- 95.040 **Military engineering**
- 95.060 **Weapons**

97- DOMESTIC AND COMMERCIAL EQUIPMENT. ENTERTAINMENT. SPORTS

- 97.020 **Home economics in general**
- 97.030 **Domestic electrical appliances in general**
- 97.040 **Kitchen equipment**
- 97.040.01 Kitchen equipment in general
- 97.040.10 Kitchen furniture
- 97.040.20 Cooking ranges, working tables, ovens and similar appliances
- 97.040.30 Domestic refrigerating appliances
- 97.040.40 Dishwashers
- 97.040.50 Small kitchen appliances
- 97.040.60 Cookware, cutlery and flatware
- 97.040.99 Other kitchen equipment
- 97.060 **Laundry appliances**
- 97.080 **Cleaning appliances**
- 97.100 **Domestic, commercial and industrial heating appliances**
- 97.100.01 Heating appliances in general
- 97.100.10 Electric heaters
- 97.100.20 Gas heaters
- 97.100.30 Solid fuel heaters

- 97.100.40 Liquid fuel heaters
- 97.100.99 Heaters using other sources of energy
- 97.120 **Automatic controls for household use**
- 97.130 **Shop fittings**
- 97.130.01 Shop fittings in general
- 97.130.10 Shelving
- 97.130.20 Commercial refrigerating appliances
- 97.130.30 Trolleys for supermarket purposes
- 97.130.99 Other shop fittings
- 97.140 **Furniture**
- 97.145 **Ladders**
- 97.150 **Floor coverings**
- 97.160 **Home textiles. Linen**
- 97.170 **Body care equipment**
- 97.180 **Miscellaneous domestic and commercial equipment**
- 97.190 **Equipment for children**
- 97.195 **Items of art and handicrafts. Cultural property and heritage**
- 97.200 **Equipment for entertainment**
- 97.200.01 Equipment for entertainment in general
- 97.200.10 Theatre, stage and studio equipment
- 97.200.20 Musical instruments
- 97.200.30 Camping equipment and camp-sites
- 97.200.40 Playgrounds
- 97.200.50 Toys
- 97.200.99 Other equipment for entertainment
- 97.220 **Sports equipment and facilities**
- 97.220.01 Sports equipment and facilities in general
- 97.220.10 Sports facilities
- 97.220.20 Winter sports equipment
- 97.220.30 Indoor sports equipment
- 97.220.40 Outdoor and water sports equipment
- 97.220.99 Other sports equipment and facilities