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Codes, Standards & ITER Documents used for the Structural Design, Construction & Testing of ITER Components

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Codes, Standards & ITER Documents used for the Structural Design, Construction & Testing of ITER Components

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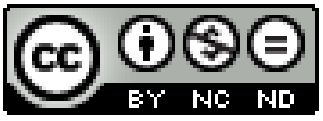

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1 Purpose

The purpose of this document is to list the Codes, Standards & Documents used for the structural design, construction & testing of the ITER components.

2 Scope

This list covers the structural design, construction & testing of the components. Functional requirements and other fields of engineering such as electrical are excluded (covered by ITER Electrical Design Handbook Codes & Standards in this example).

This list reflects the current view when issued. It is subject to changes, especially for components whose design, manufacturing or testing is not finalized.

Access to this list does not guaranty access to the documents listed. This ITER Technical Report contains references to internal documents identified as “ITER Document” and accessible in the ITER Document Management system. If you need access to a specific ITER document referenced in this report, please contact us at ITR.support@iter.org and your request will be considered, on a case-by-case basis, and in light of applicable ITER regulations.

3 List by Component / System

3.1 Access Control and Security Systems

Access Control and Security Systems	
IEC 60880-2:2000	Software for computers important to safety for nuclear power plants - Part 2: Software aspects of defence against common cause failures, use of software tools and of pre-developed software
IEC 61226	Nuclear Power Plants - Instrumentation and Control Systems Important to Safety - Classification of Instrumentation and Control Functions
IEC 61503	Nuclear power plants: Instrumentation - Methods and criteria for electromagnetic interference testing
IEC 61513:2001	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems
EN 14846:2008	Building hardware - Locks and latches - Electromechanically operated locks and striking plates - Requirements and test methods
EN 1300:2004	Secure storage units - Classification for high security locks according to their resistance to unauthorized opening
EN 179:2008	Building hardware - Emergency exit devices operated by a lever handle or push pad - Requirements and test methods
EN 12209:2003	Building hardware - Locks and latches - Mechanically operated locks, latches and locking plates - Requirements and test methods
EN 13633	Building hardware - Electrically controlled panic exit systems for use on escape routes - Requirements and test methods
EN 13637	Building hardware - Electrically controlled exit systems for use on escape routes - Requirements and test methods
EN 12978:2003	Industrial, commercial and garage doors and gates - Safety devices for power operated doors and gates - Requirements and test methods

Access Control and Security Systems	
CEN/TR 15894	Building hardware - Door fittings for use by children, elderly and disabled people in domestic and public buildings - A guide for specifiers
EN 12600	Classification of Resistance of Glazing to Impact
EN 12209	Building hardware - Locks and latches - Mechanically operated locks, latches and locking plates - Requirements and test methods
EN 1143-1:2005	Secure storage units - Requirements, classification and methods of test for resistance to burglary - Part 1: Safes, ATM safes, strongroom doors and strongrooms
EN 1125:2008	Building hardware - Panic exit devices operated by a horizontal bar - Requirements and test
EN 1627	Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification

3.2 Blanket System

Blanket System	
EN ISO 17636-1:2010	Non-destructive testing of welds - Radiographic testing - Part 1: X-and Gamma-ray techniques with film
EN ISO 3834-1:2005	Quality requirements for fusion welding of metallic materials Part 1: Criteria for the selection of the appropriate level of quality requirements
EN ISO 22825	Non-destructive testing - Ultrasonic testing - Testing of welds in austenitic steel and nickel-based alloys
EN ISO 15614-1+A2:2012	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
EN ISO 17655:2003	Destructive tests on welds in metallic materials - Method for taking samples for delta ferrite measurement
EN ISO 3834-2:2005	Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements
EN ISO 17640-1:2010	Non-destructive testing - Ultrasonic examination - Part 1: General principles
EN ISO 15614-13:2012	Specification and qualification of welding procedures for metallic materials - Welding procedure test -Part 13: upset resistance butt and flash welding
EN ISO 3834-5:2015	Quality requirements for fusion welding of metallic materials - Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, 3834-3 or ISO 3834-4
EN ISO 13919-1:1996	Welding. Electrons and laser beam welded joints. Guidance on quality levels for imperfections - Part 1: steel
EN ISO 17639:2013	Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds
EN ISO 3452-3:2013	Non-destructive testing. Penetrant testing.Part 3: Reference test blocks
EN ISO 9606-1:2013	Qualification test of welders - Fusion welding - Part1: Steels

Blanket System	
EN ISO 17635	Non-destructive examination of welds. General rules for metallic materials
EN ISO 9712:2012	Non-destructive testing - Qualification and certification of NDT personnel
EN ISO 3452-2:2013	Non-destructive testing. Penetrant testing - Part 2: Testing of penetrant materials
EN ISO 15614-11:2002	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 11: electron and laser beam welding
EN ISO 17637	Non-destructive examination of fusion welds - Visual examination
EN ISO 14732:2013	Welding Personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN ISO 3452-1:2013	Non-destructive testing. Penetrant testing - Part 1: General principles
EN ISO 15607:2009	Specification and qualification of welding procedures for metallic materials - General rules
EN ISO 6520-1:2007	Welding and allied processes. Classification of geometric imperfections in metallic materials. Fusion welding
EN ISO 15609	Specification and qualification of welding procedures for metallic materials - Welding procedure specification
EN ISO 15614-7	Specification and qualification of welding procedures for metallic materials - Welding procedure test -Part 7: overlay welding
EN ISO 15608:2008	Welding - Guidelines for a metallic materials grouping system
EN ISO 5817:2014	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
ISO 22825:2012	Non-destructive testing - Ultrasonic testing - Testing of welds in austenitic steel and nickel-based alloys
EN 13445-3/A1	Unfired pressure vessels - Part 3: Design

Blanket System	
EN 13445-5:2014	Unfired pressure vessels - Part 5: Inspection and testing
EN 1708-1:2010	Welding - Basic welded joint details in steel - Part 1: Pressurized components
EN 13445-1:2014/A1:2014	Unfired pressure vessels - Part 1: General
EN 10052	Vocabulary of heat treatment terms for ferrous products
EN 13445-2:2014	Unfired pressure vessels - Part 2: Materials
EN 14532-1:2004	Welding consumables - Test methods and quality requirements Part 1: Primary methods and conformity assessment of consumables for steel, nickel and nickel alloys
EN 1011-3:2000/A1:2003	Welding - Recommendations for welding of metallic materials - Part 3: Arc welding of stainless steels
EN 1011-7:2004	Welding - Recommendations for welding of metallic materials - Part 3: Electron beam welding
EN 13445-4	Unfired pressure vessels - Part 4: Fabrication
EN 14532-2:2004	Welding consumables - Test methods and quality requirements Part 2: Supplementary methods and conformity assessment of consumables for steel, nickel and nickel alloys
EN 1011-6:2005	Welding - Recommendation for welding of metallic materials - Part 6: Laser beam welding
EN ISO 3452-1	Non-destructive testing. Penetrant testing - Part 1: General principles
EN ISO 15614-13	Specification and qualification of welding procedures for metallic materials - Welding procedure test -Part 13: upset resistance butt and flash welding
EN ISO 17655	Destructive tests on welds in metallic materials - Method for taking samples for delta ferrite measurement
EN ISO 17640-1	Non-destructive testing - Ultrasonic examination - Part 1: General principles

Blanket System	
EN ISO 17639	Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds
EN ISO 17636-1	Non-destructive testing of welds - Radiographic testing - Part 1: X-and Gamma-ray techniques with film
EN ISO 13919-1	Welding. Electrons and laser beam welded joints. Guidance on quality levels for imperfections - Part 1: steel
EN ISO 4136	Destructive tests on welds in metallic materials - Transverse tensile test
EN ISO 14732	Welding Personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN ISO 9712	Non-destructive testing - Qualification and certification of NDT personnel
EN ISO 9606-1	Qualification test of welders - Fusion welding - Part1: Steels
EN ISO 9015-2	Micro hardness test
EN ISO 15608	Welding - Guidelines for a metallic materials grouping system
EN ISO 6520-1	Welding and allied processes. Classification of geometric imperfections in metallic materials. Fusion welding
EN ISO 3834-1	Quality requirements for fusion welding of metallic materials - Part 1: Criteria for the selection of the appropriate level of quality requirements
EN ISO 5173	Destructive tests on welds in metallic materials - Bend tests
EN ISO 5817	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
EN ISO 3452-3	Non-destructive testing. Penetrant testing.Part 3: Reference test blocks
EN ISO 15614-1	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys

Blanket System	
EN ISO 3834-5	Quality requirements for fusion welding of metallic materials - Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, 3834-3 or ISO 3834-4
EN ISO 3834-2	Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements
EN ISO 3452-2	Non-destructive testing. Penetrant testing - Part 2: Testing of penetrant materials
EN ISO 15614-11	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 11: electron and laser beam welding
ISO 23277	Non-destructive testing of welds - Penetrant testing - Acceptance levels
ISO 22825	Non-destructive testing - Ultrasonic testing - Testing of welds in austenitic steel and nickel-based alloys
EN ISO 15607	Specification and qualification of welding procedures for metallic materials - General rules
EN 1011-3	Welding - Recommendations for welding of metallic materials - Part 3: Arc welding of stainless steels
EN 14532-1	Welding consumables - Test methods and quality requirements - Part 1: Primary methods and conformity assessment of consumables for steel, nickel and nickel alloys
EN 1011-6	Welding - Recommendation for welding of metallic materials - Part 6: Laser beam welding
EN 1011-7	Welding - Recommendations for welding of metallic materials - Part 3: Electron beam welding
EN 1708-1	Welding - Basic welded joint details in steel - Part 1: Pressurized components
EN 14532-2	Welding consumables - Test methods and quality requirements - Part 2: Supplementary methods and conformity assessment of consumables for steel, nickel and nickel alloys

Blanket System	
EN 5817	Acceptance criteria of Macroscopic examination
EN ISO 8249	Welding - Determination of Ferrite Number (FN) in austenitic and duplex ferritic-austenitic Cr-Ni stainless steel weld metals
EN ISO 6892-2:2011	Metallic materials - Tensile testing - Part 2: Method of test at elevated temperature
EN ISO 6892-1:2009	Metallic materials - Tensile testing - Part 1: Method of test at room temperature
ISO 261	ISO general purpose metric screw threads. General plan
ISO 2768-1	General tolerances - Part 1: Tolerances for linear and angular dimensions without individual tolerance indications
ISO 2768-2	General tolerances - Part 2: Geometrical tolerances for features without individual tolerance indications
ISO 262:	ISO general purpose metric screw threads - Selected sizes for screws, bolts and nuts
ISO 965-1	ISO general purpose metric screw threads - Tolerances - Part 1: Principles and basic data
ISO 965-2	ISO general purpose metric screw threads - Tolerances - Limits of sizes for general purpose external and internal screw threads. Medium quality
ITER Document	ITER Vacuum Handbook
ASTM A370	Test Methods and Definitions for Mechanical Testing of Steel Products
ASTM E384	Vickers Hardness
ASME BPVC Sec. III	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components
ASME BPVC Sec. V	ASME Boiler and Pressure Vessel Code (BPVC) - Section V - Non-destructive examination
ASTM E340	Standard Test Method for Macroetching Metals and Alloys

Blanket System	
ASTM A962/A962M	Standard Specification for Common Requirements for Steel Fasteners or Fastener Materials, or Both, Intended for Use at Any Temperature from Cryogenic to the Creep Range
ASTM B637-06	Precipitation hardening treatment
EN 1418	Welding personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN 13445-1:2009	Unfired pressure vessels - Part 1: General
EN 1321	Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds
EN 13445-2:2009	Unfired pressure vessels - Part 2: Materials
EN 13018	Non-destructive testing - Visual testing - General principles
EN 13445-5:2009	Unfired pressure vessels - Part 5: Inspection and testing
EN 13445-3:2009	Unfired pressure vessels - Part 3: Design
EN 970	Non-destructive examination of fusion welds. Visual examination
EN 12062	Non-destructive examination of welds. General rules for metallic materials
EN 583-1	Non-destructive testing - Ultrasonic examination - Part 1: General principles
EN 571-1	Non-destructive testing - Penetrant testing - Part 1: General principles
EN 10204	Metallic products. Type of inspection documents
EN 13445-4:2009	Unfired pressure vessels - Part 4: Fabrication
EN 287-1	Qualification test of welders - Fusion welding - Part 1: Steels
EN 1435	Non-destructive testing of welds - Radiographic testing of welded joints
not given	not given

Blanket System	
not given	Welding Journal, 76(1): 24-s to 37-s, 1997
not given	Welding Journal, 61(11): 352-s to 361-s, 1982
EN ISO 15607:2003	Specification and qualification of welding procedures for metallic materials - General rules
EN ISO 15613:2004	Specification and qualification of welding procedures for metallic materials - Qualification based on pre-production welding test
EN ISO 17637:2016	Non-destructive examination of fusion welds - Visual examination
EN ISO 13185:2001+A1:2003	Non-destructive testing - Leak testing - Tracer gas method;
EN ISO 544:2011	Welding consumables - Technical delivery conditions for filler materials and fluxes - Type of product, dimensions, tolerances and markings
EN ISO 15609-1:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding
EN ISO/IEC 17020:2012	Conformity assessment - Requirements for the operation of various types of bodies performing inspection
EN ISO 14731:2006	Welding coordination - Tasks and responsibilities
EN ISO 17636-1:2013	Non-destructive testing of welds - Radiographic testing - Part 1: X-and Gamma-ray techniques with film
EN ISO 15614-1:2017+A1:2019	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
EN ISO 17635:2016	Non-destructive examination of welds. General rules for metallic materials
EN ISO 8249:2000	Welding - Determination of Ferrite Number (FN) in austenitic and duplex ferritic-austenitic Cr-Ni stainless steel weld metals
EN ISO 15609-3:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 3: Electron beam welding

Blanket System	
ISO 15609-4:2009	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 4: laser beam welding
ISO 17025:2005+AC1:2006	General requirements for the competence of testing and calibration laboratories
ISO/IEC 17024:2012	Conformity assessment - General requirements for bodies operating certification of persons
EN 13480-1:2017	Metallic industrial piping - Part 1: General
DIN 25410:2012	Nuclear facilities - Surface cleanliness of components
EN 13480-3:2017	Metallic industrial piping - Part 3: Design and calculation
EN 13480-4:2017	Metallic industrial piping - Part 4: Fabrication and installation
EN 13480-5:2017	Metallic industrial piping - Part 5: Inspection and testing
CEN ISO/TR 15608:2013	Welding - Guidelines for a metallic material grouping system
NF EN 10204:2005	Metallic products. Type of inspection documents
RCC-MR	Rules for design and construction of fast breeder liquid metal cooled reactors
Technical Specifications	not given
PED requirements	not given
ESPN	not given
ITER Document	Electrical Design Handbook (EDH)
ITER Document	Material Properties Handbook (MPH)
ITER Document	ITER Materials Properties Handbook, Introduction, baseline 2009
ITER Document	Plant Control Design Handbook
ITER Document	In-vessel Components, SDC-IC
ITER Document	ITER Remote Handling Code of Practice

Blanket System	
ITER Document	Codes and Standards for ITER Mechanical Components
EN 10216-5	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 13445	Unfired pressure vessels

3.3 Cable Tray Infrastructure

Cable Tray Infrastructure	
RCC-E 2012	Design and construction rules for electrical equipment of nuclear islands
Eurocode 3 (EC3) (EN 1993)	Eurocode 3 - Design of steel structures
IEC 61000-5-2:1997	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines - Section 2: Earthing and cabling
IEEE 422:1986	Guide for the Design and Installation of Cable Systems in Power Generating Stations
IEEE 384:2008	IEEE Standard Criteria for Independence of Class 1E Equipment and Circuits
IEC 61386:2008	Conduit systems for cable management
IEC 61537:2006	Cable management - Cable tray systems and cable ladder systems
ITER Document	IO Cabling rules
ITER Document	IO Cable Trays Handbook
ITER Document	Plant Control Design Handbook for Nuclear control systems
ITER Document	ITER Seismic Nuclear Safety Approach
ITER Document	EDH Part 3: Codes & Standards
ITER Document	Cable Trays CAD manual
ITER Document	Plant Control Design Handbook
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)
NF C 13-200	High voltage electrical installations for electrical energy production sites, industrial, commercial and agricultural sites
ITER Document	ITER Fire Safety Approach
NF C 15-100	Low-Voltage electrical installations

Cable Tray Infrastructure	
ANSI/AISC N690-1994	Specification for Safety-Related Steel Structures for Nuclear Facilities
NF P92-507 (2004)	Fire safety/Building - Interior fitting materials

3.4 Central Interlock System

Central Interlock System	
IAEA NS-G-1.3:2006	IAEA Safety Guide - Instrumentation and Control Systems Important to Safety in Nuclear Power Plants
IEC 61000-4-3:1995	Electromagnetic compatibility (EMC) - Part 4-3: testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test
IEC 60965:1989	Nuclear power plants - Control rooms - Supplementary control room for reactor shutdown without access to the main control room
IEC 61000-4-6:1996	Electromagnetic compatibility (EMC) - Part 4-6: testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
IEC 61000-4-2:1995	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
IEC 61000-4-4:1995	Electromagnetic compatibility (EMC) - Part 4-4: testing and measurement techniques - Electrical fast transient/burst immunity test
IEC 60964:1989	Nuclear power plants - Control rooms - Design
IEC 61000-4-5:1995	Electromagnetic compatibility (EMC) - Part 4-5: testing and measurement techniques - Surge immunity test
IEC 61000-4-1:2000	Electromagnetic compatibility (EMC) - Part 4-1: Testing and measurement techniques - Overview of IEC 61000-4 series
IEC 61508:1998	Functional safety of electrical/electronic/programmable electronic safety-related systems
NF C 32-070:2001	Insulated cables and flexible cords for installations - Classification tests on cables and cords with respect to their behaviour to fire

3.5 Central Safety System

Central Safety System	
IEC 60780:1998	Nuclear power plants - Electrical equipment of the safety system - Qualification
IEC 60980:1989	Recommended practices for seismic qualification of electrical equipment of the safety system for nuclear generating stations
IEC 60987:2007	Nuclear power plants - Instrumentation and control important to safety - Hardware design requirements for computer-based systems
IEC 61000-4-9:2000	Electromagnetic compatibility (EMC) - Part 4-9: Testing and measurement techniques - Impulse magnetic field immunity test
IEC 61000-4-8:2009	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
IEC 60880:2006	Nuclear power plants - Instrumentation and control systems important to safety - Software aspects for computer-based systems performing category A functions
IEC 61000-6-2:2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
IEC 61226:2009	Nuclear Power Plants - Instrumentation and Control Systems Important to Safety - Classification of Instrumentation and Control Functions
IEC 60965:2016	Nuclear power plants - Control rooms - Supplementary control room for reactor shutdown without access to the main control room
IEC 61000-4-10:2000	Electromagnetic compatibility (EMC) - Part 4-10: Testing and measurement techniques - Damped oscillatory magnetic field immunity test
IEC 61227:2008	Nuclear power plants - Control rooms - Operator controls
IEC 61000-4-1:2006	Electromagnetic compatibility (EMC) - Part 4-1: Testing and measurement techniques - Overview of IEC 61000-4 series
IEC 60709:2004	Nuclear power plants - Instrumentation, control and electrical power systems important to safety - Separation
IEC 60964:2009	Nuclear power plants - Control rooms - Design

Central Safety System	
IEC 62645:2016	Nuclear power plants - Instrumentation and control systems - Requirements for security programs for computer-based systems
IEC 61839:2000	Nuclear Power Plants - Design of Control rooms - Functional analysis and assignment
IEC 62340:2007	Nuclear Power Plants - Instrumentation and control systems important to Safety- Requirements for coping with Common Cause Failure (CCF)
IEC 61508:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems
IEC 61500:2009	Nuclear power plants - Instrumentation and control important to safety - Data communication in systems performing category A functions
IEC 62241:2004	Nuclear Power Plants - Main Control Room- Alarm Functions and Presentation
IEC 61513:2011	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems
IEC 61511:2017	Functional safety - Safety instrumented systems for the process industry sector
IEC 61772:2009	Nuclear power plants - Control rooms - Application of visual display units (VDUs)
IEC 62138:2004	Nuclear power plants. Instrumentation and control for systems important to safety - Software aspects for computer-based systems performing category B and C functions
IEC 61771:1995	Nuclear Power Plants - Main Control Room- Verification and Validation of design

3.6 CODAC

CODAC	
PD 6611	Ventilation for building - Symbols and terminology
NUREG 0700 rev.2:2002	Human system interface design review guidelines
NUREG 0711 rev.2:2004	Human factors engineering program review model
IAEA NS-G-2.2:2000	IAEA Safety Guide - Operational limits and conditions and operating procedures for nuclear power plants
IEC 15288	Systems engineering System life cycle processes
IEC 1513	Important to safety: General requirements for computer based systems
IEC 11801:2017	Information technology - Generic cabling for customer premises
IEC 60050	International Electro technical Vocabulary
HIC++:4:2013	High integrity C++ coding standard
IAEA NS G13	IAEA Safety Guide - Instrumentation and control systems important to safety in nuclear power plants
IAEA 50 SG D9	IAEA Safety Guide - Design aspects of radiation protection for nuclear power plants
IEC 60269	Low-voltage fuses
IEC 60068-2-5	Simulated solar radiation at ground level
IEC 60038:1997	IEC standard voltages (Power supply for I&C cubicles)
IEC 60265	High voltage switches
IEC 60147	Essential ratings and characteristics of semiconductor devices and general principles of measuring methods (See also IEC 60747/8/9)
IEC 60204-1:2016	Safety of machinery - Electrical equipment of machines - Part 1: General requirements
IEC 60146	Semiconductor converters

CODAC	
IEC 60129	Alternating current disconnectors and earthing switches
IEC 60137	Insulated bushings for alternating voltages above 1 000 V
IEC 60255	Measuring relays and protection equipment
IEC 60232	General characteristics of nuclear reactor instrumentation
IEC 60231-1967	General principles of nuclear reactor instrumentation
IEC 60228:2004	Conductors of insulated cables
IEC 61025:2006	Fault tree analysis (FTA)
IEC 61000-6-4:2018	Electromagnetic compatibility (EMC) - Part 6-4: generic standards - Emission standard for industrial environments
IEC 60332-1:2004	Tests on electric and optical fibre cables under fire conditions - Part 1: Test for vertical flame propagation for a single insulated wire or cable
IEC 60880 - Rev.2.0-2006	Nuclear power plants - Instrumentation and control systems important to safety - Software aspects for computer-based systems performing category A functions
IEC 61227:2008	Nuclear power plants - Control rooms - Operator controls
IEC 60332-3:2018	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 60747	Semiconductor devices
IEC 61000	Electromagnetic compatibility (EMC)
IEC 60331:1970	Tests for electric cables under fire conditions - Circuit integrity
IEC 61158	Industrial communication networks - Fieldbus specifications
IEC 61227-1993	Nuclear power plants - Control rooms-operator controls
IEC 60757:1983	Code for designation of colors
IEC 60417:2002	Graphical symbols for use on equipment

CODAC	
IEC 60754-2:2011	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 60748	Semiconductor devices - Integrated circuits
IEC 61000-6-2:2016	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
IEC 60754-1:2011	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content
IEC 61034:2005	Measurement of smoke density of cables burning under defined conditions
IEC 61131:2003	Programmable controllers - Multi language programming environment
IEC 60544	Guide for determining the effects of ionizing radiation on insulating materials
IEC 60544-1:2013	Radiation interaction
IEC 60544-2:2012	Procedures for irradiation and test
IEC 60964:1989	Nuclear power plants - Control rooms - Design
IEC 60544-4:2003	Classification system for service in radiation environments
IEC 60529	Degrees of protection provided by enclosures (IP code)
IEC 60964:2018	Nuclear power plants - Control rooms - Design
IEC 60965:2016	Nuclear power plants - Control rooms - Supplementary control room for reactor shutdown without access to the main control room
IEC 60880-2	Software for computers important to safety for nuclear power plants - Part 2: Software aspects of defence against common cause failures, use of software tools and of pre-developed software
IEC 60617	Graphical symbols for diagrams
IEC 60549	High voltage fuses for external protection of shunt power capacitors
IEC 60965:1989	Nuclear power plants - Control rooms - Supplementary control room for reactor shutdown without access to the main control room

CODAC	
IEC 60654	Industrial process measurement and control equipment -Operating conditions (All parts)
IEC 60593	Internal fuses and internal overpressure disconnectors for shunt capacitors
ISO 10007:2017	Quality Management - Guidelines for configuration management
ISO 10628	Diagrams for the chemical and petrochemical industry - Part 1: Specification of diagrams
IEC 62439	Industrial communication networks - High availability automation networks
ISO 10218	Robots and robotic devices - Safety requirements for industrial robots
IEC 61918:2018	Industrial communication networks - Installation of communication networks in industrial premises
IEC 62262:2002	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)
IEC 62247:2003	Review of the application of 60964
IEC 62241:2007	Nuclear Power Plants - Main Control Room- Alarm Functions and Presentation
IEC 62241:2004	Nuclear Power Plants - Main Control Room- Alarm Functions and Presentation
IEC 62402:2007	Obsolescence management - Application guide
IEC 61963-2005	Comparison of 60964 with similar standards
IEC 987	Programmed digital computers important to safety for nuclear power plants
ISA-5.1:2017	Instrumentation symbols and identification
IEC 61918	Industrial communication networks - Installation of communication networks in industrial premises
IEC TR 61000-5-2:1997	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines - Section 2: Earthing and cabling

CODAC	
IEC 61839:2000	Nuclear Power Plants - Design of Control rooms - Functional analysis and assignment
IEEE 1012:2004	IEEE Standard for Software Verification and Validation
IEEE 828:2012	Standard for software configuration management plans
IEEE 829:2008	Standard for software and system test documentation
IEC 62645:2014	Nuclear power plants - Instrumentation and control systems - Requirements for security programs for computer-based systems
IEC 61772-1995	Visual display unit (VDU) application to main control room in nuclear plants
ISO 11064	Ergonomic design of control centres
IEC 61360	Standard data element types with associated classification scheme
IEC 61784	Industrial communication networks - Profiles
IEC 61734	Graphical symbols for logic diagrams
IEC 61784-1:2019	Industrial communication network - profiles - Fieldbus Part 1
IEC 61771:1995	Nuclear Power Plants - Main Control Room- Verification and Validation of design
ISO 80000:2009	Quantities and units
IEC 61772:2009	Nuclear power plants - Control rooms - Application of visual display units (VDUs)
ISO/IEC/IEEE 12207:2017	Systems and software engineering - Software life cycle processes
ISO/IEC 90003:2014	Software quality management standard
NF C 01-826:2004	Vocabulary electrotechnique parite 826: installation electriques
ISO/IEC 24702:2009	Information technology - Generic cabling
ISO 9001	Quality management systems - Requirements

CODAC	
ISO/IES 90003	Quality standard
MISRA C:2012	Guidelines for the use of the C language in critical systems
ISO/IEC TR 9294:2005	Guidelines for the management of software documentation
ISO/IEC 2382:2015	Information technology - Vocabulary
ISO/IEC 15288:2015	System engineering - System Life cycle process
NF C 15-100	Low-voltage electrical installations
ISO/IEC 24702	Information technology - Generic cabling
ITER Document	Electrical Design Handbook (EDH)
ISO/IEC 14764:2006	Software engineering - Software life cycle processes - Maintenance
ITER Document	Plant Control Design Handbook
ASTM E662	Standard test method for specific optical density of smoke generated by solid materials
Directive 1973/23/EEC	Electrical equipment designed for use within certain voltage limits
EN 50178:1998	Electronic equipment for use in power installations
EN 50136	Alarm systems and alarm equipments

3.7 Cooling Water

Cooling Water	
ITER Document	ITER Vacuum Handbook
ITER Document	Electrical Design Handbook (EDH)
ITER Document	Plant Control Design Handbook
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part1: Design Criteria
ISO 4427	Plastics piping systems for water supply and for drainage and sewerage under pressure - Polyethylene (PE)
ISO 15547	Plate type heat exchangers
ITER Document	EDH Part 3: Codes & Standards
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)
ITER Document	EDH Guide C: Electrical Installations for EPS Client Systems
ITER Document	EDH Part 1: Introduction
ITER Document	EDH Guide A: Electrical Installations for SSEN Client Systems
ITER Document	EDH Part 2: Terminology & Acronyms
ASME/ANSI B16.25	Pipe, valve, fitting and flange butt weld ends
ASME B73.1M	Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process
ASME B36.10	Welded and seamless wrought steel pipes
ASME BPVC Sec. V	ASME Boiler and Pressure Vessel Code (BPVC) - Section V - Non-destructive examination
API 510	Testing of valves
ASME BPVC Sec. VIII	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels

Cooling Water	
ASME/ANSI B16.34	Valves - Flanged, Threaded, and Welding End
ASME B31.3	Process Piping
ANSI/API 662	Plate-and-Frame Heat Exchangers
ASME PTC	ASME Performance Test Codes
ARI 550/590	Chillers
ASME BPVC Sec. IX	ASME Boiler and Pressure Vessel Code (BPVC) - Section IX - Qualification Standard for Welding, Brazing, and Fusing
CTI manual	CTI manual
CTI standards	Cooling towers
DIN 8074	Polyethylene (PE) pipes - PE 63, PE 80, PE 100, PE-HD - Dimensions

3.8 Cryoplant and distribution

Cryoplant and distribution	
SAMA RC-4	Standards for Platinum RTDs
TEMA "C"	Process Exchangers
not given	not given
prEN 13192:2001	Non destructive testing-Leak test-Calibration of gaseous reference leaks,
prEN 12456	Pressure protection devices for vacuum-insulated cryogenic vessel outer jackets
PrEN 13625:2001	Non destructive testing-Leak test-Guide to the selection of instrumentation for the measurement of gas leakage,
EN ISO 6975	Natural gas - Extended analysis - Gas-chromatographic method
EN ISO 6974-4	Natural gas - Determination of composition with defined uncertainty by gas chromatography - Part 4: determination of nitrogen, carbon dioxide and C1 up to C5 and C6+ hydrocarbons for a laboratory and on-line measuring system using two columns
EN ISO 262	ISO general purpose metric screw threads - Selected sizes for screws, bolts and nuts
EN ISO 6708	Pipework components - Definition and selection of DN (nominal size)
IEC 287	SC 20A: Calculation of the continuous current rating of cables
EN ISO 14731	Welding coordination - Tasks and responsibilities
IEC 331	SC 20C: Fire resisting characteristics of electrical cables
http://www.alpema.org	Alpema Standards
EN 970	Non destructive examination of fusion welds. Visual examination
EN ISO 1127	Stainless steel tubes - Dimensions, tolerances and conventional masses per unit length
IEC 332	SC 20C: Test on electric cables under fire conditions

Cryoplant and distribution	
IEC 183	Guide to the selection of HV cables
EN ISO 13920	Welding - General tolerances for welded constructions
EN ISO 10715	Natural gas - Sampling guidelines
EN ISO 8573-3	Compressed air - Part 3: Test methods for measurement of humidity
EN ISO 6974-3	Natural gas - Determination of composition with defined uncertainty by gas chromatography - Part 3: determination of hydrogen, helium, inert gases and hydrocarbons up to C8 using two packed columns
EN ISO 10806	Pipework - Fittings for corrugated metal hoses
IEC 61034	Measurement of smoke density of cables burning under defined conditions
IEC 60332-3	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 60754-2	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 60754-1	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content
IEC 61000-5-2	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines - Section 2: Earthing and cabling
IEC 60332-1	Tests on electric and optical fibre cables under fire conditions - Part 1: Test for vertical flame propagation for a single insulated wire or cable
ISO 4200	Plain end steel tubes, welded and seamless - General tables of dimensions and masses per unit length
ISO 12100-1	Safety of machinery - basic concepts - general principles for design - Part 1: basic terminology, methodology, chapter 4.8,
IEC 754	Tests on gases involved during combustion of electric cables

Cryoplant and distribution	
ISO 14713	Protecting coating of iron steel structures
ISO 5817	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
ISO 6708	Pipework components - Definition and selection of DN (nominal size)
ISO 17636	Non-destructive testing of welds - Radiographic testing
ISO 4126-7	Safety devices for protection against excessive pressure - Part 7: Common data
ISO 5167	Specification for square-edged orifice plates nozzles and Venturi tubes inserted in circular cross section conduits running full
ISO 5347-17:1993	Methods for the calibration of vibration and shock pick-ups
ISO 12100-2	Safety of machinery - basic concepts - general principles for design - Part. 2 Technical principles
ISO 6718	Concrete - Determination of static modulus of elasticity in compression
ISO 5251	Stainless steel butt-welding fittings
ISO 14731	Welding coordination - Tasks and responsibilities
ISO 5168	Methods of measurement of fluid flow: estimation of uncertainty of a flow rate measurement
ISO 5167-4:2003	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full
ISO 13920	Welding - General tolerances for welded constructions
ISO 7005-1:1992	Metallic flanges
IEC 751	Industrial platinum resistance thermometers and platinum temperature sensors
ISO 3511	Process measurement control functions and instrumentation - Symbolic representation

Cryoplant and distribution	
ISO 10790:1999	Measurement of fluid flow in closed conduits. Guidance to the selection, installation and use of Coriolis meters (mass flow, density and volume flow measurements)
ISO 10438-1	Petroleum, petrochemical and natural gas industries- lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 1: General requirements
ISO 4126-6	Safety devices for protection against excessive pressure - Part 6: Application, selection and installation of bursting disc safety devices
ISO 10806	Pipework - Fittings for corrugated metal hoses
ISO 2954	Mechanical Vibration of Rotating Reciprocating Machinery - Requirements for Instruments for Measuring Vibration Severity
ISO 2715	Liquid hydrocarbons - Volumetric measurement by turbine flowmeter
ISO 17637	Non-destructive Testing of Welds - Visual Testing of Fusion-welded Joints
ISO 2714	Liquid hydrocarbons - Volumetric measurement by displacement meter
ISO 10438-4	Petroleum, petrochemical and natural gas industries - Lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 4: Self-acting gas seal support systems
ISO 10816-1	Mechanical vibration - Evaluation of machines vibration by measurements on non rotating parts - Part 1 General guideline
ISO 1000	International system for units
ISO 10438-3	Petroleum, petrochemical and natural gas industries- lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 3: General purpose oil systems
ISO 10440	Petroleum, petrochemical and natural gas industries - Rotary-type positive displacement compressors

Cryoplant and distribution	
IEC 61518	Mating dimensions between differential pressure (type) measuring instruments and flanged-on shut-off devices up to 413 bar (41,3 MPa)
ISO 10440-1	Petroleum, petrochemical and natural gas industries - Rotary-type positive displacement compressors - Part 1: process compressors
ISO 3530	Vacuum technology - Mass-spectrometer-type leak-detector calibration
ISO 10438-2	Petroleum, petrochemical and natural gas industries- lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 2: Special-purpose oil systems
ISO 3746	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane
ISO 1179	Steel compression couplings for tubes
ISO 21013	Cryogenic vessels - Pressure-relief accessories for cryogenic service
ISO 262:	ISO general purpose metric screw threads - Selected sizes for screws, bolts and nuts
ISO 4126:2004	Safety devices for protection against excessive pressure
ISO 3864	Graphical symbols - Safety colours and safety signs
IEEE 841	Petroleum and Chemical Industry-Premium- Efficiency, Severe-Duty, Totally Enclosed Fan-Cooled (TEFC) Squirrel Cage Induction Motors-Up to and Including 370 Kw
ISO 4126-1	Safety devices for protection against excessive pressure - Part 1: Safety valves
ISO 1609	Vacuum Technology - Flange dimensions
ISO 3461	General principles for the creation of graphical symbols
ISO 4126-2	Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices

Cryoplant and distribution	
ISO 10816-3	Mechanical vibration - Evaluation of machines vibration by measurement on non-rotating parts - Part 3
ISO 1940-1	Mechanical vibration - Balance quality requirements for rotors in a constant (rigid) state - Part 1: specification and verification of balance tolerances
ISO 1106-1:1984	Recommended practice for radiographic examination of fusion welded joints
ISO 4126-3	Safety devices for protection against excessive pressure - Part 3: Safety valves and bursting disc safety devices in combination
ISO 3745	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for anechoic rooms and hemi-anechoic rooms
ISO 3744	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane
ISO 3743	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for small movable sources in reverberant fields
ISO 3742	Acoustics - Determination of sound power levels of noise sources - Precision methods for discrete-frequency and narrow-band sources in reverberation rooms
ISO 4126-4	Safety devices for protection against excessive pressure - Part 4: Pilot operated safety valves
IEC 853	Calculation of the cyclic and emergency current ratings of cables
ISO 4126-5	Safety devices for protection against excessive pressure - Part 5: Controlled safety pressure relief systems (CSPRS)
ISO 3741	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms
ISO 3740	Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards

Cryoplant and distribution	
ISO 1127	Stainless steel tubes - Dimensions, tolerances and conventional masses per unit length
ISO 9951:1993	Measurement of gas flow in closed conduits. Turbine meters
ISO 8423	PVC insulated cables. For electric power and, lighting
ISO 8310	Temperature measurement system
ISO 9001	Quality management systems - Requirements
ISO 9000	Quality management systems - Fundamentals and vocabulary
ISO/NP 12242	Rolling bearings - Instrument precision bearings - Part 2: boundary dimensions, tolerances and characteristics of inch series bearings
ISO/TR 15377:2007	Measurement of fluid flow by means of pressure-differential devices - Guidelines for the specification of orifice plates, nozzles and Venturi tubes beyond the scope of ISO 5167
ISO/NP 14511:2001	Measurement of fluid flow in closed conduits - Thermal mass flow meters
ISO 8573-1	Compressed air - Part 1: Contaminants and purity classes
ANSI S2.19	Balance Quality Requirements of Rigid Motors
API 551	Process Measurement Instrumentation
ASME PTC-10	ASME Performance Test Codes, Axial and Centrifugal Compressors
ASME BPVC Sec. VIII Div. 2 - Edition 2007	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
API 619	Rotary-Type Positive-Displacement Compressors for Petroleum, Petrochemical and Natural Gas Industries
ASME B73.1:2001	Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process
API 541	Form-Wound Squirrel Cage Induction Motors - 250 Horsepower and Larger

Cryoplant and distribution	
ASME B16.34:2004	Valves - Flanged, Threaded and Welding End
API 546	Brushless Synchronous Machines
API 672	Packaged, Integrally Geared Centrifugal Air Compressors for Petroleum, Chemical, and Gas Industry Services
ASME B31.3:2006	Process Piping
ASME B73.2:2003	Specification for Vertical In-Line Centrifugal Pumps for Chemical Process
API 618	Reciprocating compressors
API RP 500	Recommended practice for classification of locations for electrical installations at petroleum facilities classified as Class I, Division 1 and Division 2
API 676	Positive Displacement Pumps—Rotary
API 617	Axial and Centrifugal Compressors and Expander-compressors for petroleum, chemical and gas services
API 614-99	Lube oil systems
API 614	API 614 Fifth Edition
API 613	Gear design and construction - Refer as well to AGMA
API 686	Machinery Installation & Installation Design
EN 13068-3:2001	Non destructive testing- Radioscopic testing,
EN 50446	Straight thermocouple assembly with metal or ceramic protection tube and accessories
EN 837-1	Pressure gauges - Part 1: Bourdon tube pressure gauges - Dimensions, metrology, requirements and testing
EN 288-3	Specification and approval of welding procedures for metallic materials
EN 910	Destructive tests on welds in metallic materials. Bend tests
EN 10028	Flat products made of steel for pressure purposes

Cryoplant and distribution	
EN 13185:2001	Non destructive testing - Leak testing - Tracer gas method
EN 764-7	Pressure Equipment - Part 7: Safety Systems for unfired pressure equipment
CEI 61882	Hazard and operability studies (HAZOP studies) - Application guide
CEI 584	Thermocouples
EN 13445-5:2009	Unfired pressure vessels - Part 5: Inspection and testing
EN 764-Parts1-2-3	Pressure equipment
EN 1418	Welding personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN 10045-1	Metallic materials - Charpy impact test
EN 13371	Cryogenic vessels - Couplings for cryogenic service
EN 1330-8	Non destructive testing-Terminology,
EN 485-3	Aluminum and aluminum alloys -Sheet, strip and plate part 3
EN 473:1993	Non-destructive testing - Qualification and certification of NDT personnel
EN 875	Destructive tests on welds in metallic materials-Impact test
EN 13445-3 V1	Unfired pressure vessels - Part 3: Design
EN 837-2	Pressure gauges - Part 2: Selection and installation recommendations for pressure gauges
EIGA publications 24/08/E	Vacuum Insulated Cryogenic Storage, Tank Systems, Pressure Protection Devices
EJMA 8th Edition	Standards of the Expansion Joint Manufacturers Association
EN 13445:2009	Unfired Pressure Vessels
EN 10002	Metallic materials - Tensile testing - Part 1: Method of test at ambient temperature

Cryoplant and distribution	
EN 837-3	Pressure gauges - Part 3: Diaphragm and capsule pressure gauges - Dimensions, metrology, requirements and testing
EN 895	Destructive tests on welds in metallic materials -Transverse tensile tests,
EN 13275:2000	Pumps for cryogenic service
EN 10204	Metallic products. Type of inspection documents
EN 12163	Copper and copper alloys - Rod for general purposes
EN 10269	Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties
EN 10272	Stainless steel bars for pressure purposes
EN 60534-8-4:2006	Industrial process control valves - Part 8-4: noise considerations - Prediction of noise generated by hydrodynamic flow
EN 60534-9	Industrial process control valves - Part 9: test procedure for response measurements from step inputs
EN 60534-9:2008	Industrial process control valves - Part 9: test procedure for response measurements from step inputs
EN 10273	Hot rolled weldable steel bars for pressure purposes with specified elevated temperature properties
EN 60534-8-2:1993	Industrial process control valves - Part 8: noise considerations. Section 2: laboratory measurement of noise generated by hydrodynamic flow through control valves
EN 60812	Analysis techniques for system reliability - Procedure for failure mode and effects analysis (FMEA)
EN 60534-8-1:2006	Industrial process control valves - Part 8-1: noise considerations - Laboratory measurement of noise generated by aerodynamic flow through control valves
EN 1012-2	Compressors and vacuum pumps - Safety requirements - Part 2: Vacuum pumps

Cryoplant and distribution	
EN 1012-1	Compressors and vacuum pumps - Safety requirements - Part 1: Air compressors
EN 61025	Fault tree analysis (FTA)
EN 1092-1	Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 1: Steel flanges
EN 1092-1:2007	Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 1: Steel flanges
EN 61207-1	Expression of performance of gas analyzers. Part 1: general
EN 12062	Non-destructive examination of welds. General rules for metallic materials
EN 60751	Industrial platinum resistance thermometers and platinum temperature sensors
EN 1251-1:2000	Cryogenic vessels - Transportable vacuum insulated vessels of not more than 1000 litres volume - Part 1: fundamental requirements
EN 60534-1:2005	Industrial process control valves - Part 1: control valve terminology and general considerations
EN 10216	Seamless steel tubes for pressure purposes
EN 60534-2-3:1998	Industrial process control valves - Part 2-3: flow capacity. Test procedures
EN 60534-2-4:2009	Industrial-process control valves - Part 2-4: flow capacity - Inherent flow characteristics and range ability
EN 60534-2-5:2004	Industrial process control valves - Part 2-5: flow capacity - Sizing equations for fluid flow through multistage control valves with interstage recovery
EN 10217	Welded steel tubes for pressure purposes
EN 10222	Steel forgings for pressure purposes
EN 60534-8-3:2001	Industrial process control valves - Part 8-3: noise considerations - Control valves aerodynamic noise prediction method

Cryoplant and distribution	
EN 583-4	Non-destructive testing - Ultrasonic examination - Part 4: Examination for discontinuities perpendicular to the surface
EN 61207-2	Expression of performance of gas analyzers. Part 2: oxygen in gas (utilizing high-temperature electrochemical sensors)
EN 573-3	Aluminium and aluminium alloys. Chemical composition and form of wrought products. Chemical composition - Part 3: Chemical composition and form of products
EN 60534-3-2:2001	Industrial process control valves - Part 3-2: dimensions - Face-to-face dimensions for rotary control valves except butterfly valves
EN 60534-3-3:1999	Industrial process control valves. - Part 3-3: dimensions. End-to-end dimensions for butt-weld, two-way, globe-type, straight pattern control valves
EN 60534-4:2006	Industrial process control valves - Part 4: inspection and routine testing
EN 60534-5	Industrial process control valves - Part 5: marking
EN 60534-6-1:1998	Industrial process control valves - Part 6: mounting details for attachment of positioners to control valves. Section 1: positioner mounting on linear actuators.
EN 60534-6-2:2001	Industrial process control valves - Part 6-2: mounting details for attachment of positioners to control valves - Positioner mounting on rotary actuators
EN 571-1	Non-destructive testing - Penetrant testing - Part 1: General principles
EN 593:2009	Industrial valves - Metallic butterfly valves
EN 60534-2-1:1999	Industrial process control valves - Part 2-1: flow capacity. Sizing equations for fluid flow under installed conditions
EN 1252-1:1998	Cryogenic vessels- Materials- Part I: Toughness requirements for temperatures below -80 C
EN 1252-2	Cryogenic vessels - Materials - Part 2: Toughness requirements for temperatures between -80°C and -20°C

Cryoplant and distribution	
EN 12570:2001	Industrial valves - Method for sizing the operating element
EN 1289	Non destructive testing-Penetrant testing of welds-Acceptance level,
EN 1290	Non-destructive examination of welds. Magnetic particle examination of welds
EN 1291:1998	Non-destructive examination of welds - Magnetic particle testing of welds - Acceptance levels
EN 12517	Non destructive testing of welds-Radiographic testing of welded joints-Acceptance levels,
EN 12516-3:2003	Industrial valves - Shell design strength - Part 3: Experimental method
EN 60534-3-1:2001	Industrial process control valves - Part 3-1: dimensions - Face-to-face dimensions for flanged, two-way, globe-type, straight pattern and centre-to-face dimensions for flanged, two-way, globe-type, angle pattern control valves
EN 10028-7	Flat products made of steels for pressure purposes - Part 7: Stainless steels
EN 10028-4	Flat products made of steel for pressure purposes - Part 4: Nickel alloy steels
EN 736-3:2008	Valves - Terminology - Part 3: definition of terms
EN 626-2	Safety of machinery - Reduction of risk to health from hazardous substances emitted by machinery - Part 2: Methodology leading to verification procedures,
EN 12266-1:2003	Industrial valves - Testing of valves - Part 1: pressure tests, test procedures and acceptance criteria - Mandatory requirements
EN 12266-2:2003	Industrial valves - Testing of valves - Part 2: tests, test procedures and acceptance criteria - Supplementary criteria
EN 61508-5	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 5: examples of methods for the determination of safety integrity levels

Cryoplant and distribution	
EN 61514	Industrial-process control systems - Methods of evaluating the performance of valve positioners with pneumatic outputs
EN 12392	Aluminium and aluminium alloys - Wrought products - Special requirements for products intended for the production of pressure equipment
EN 61514-2	Industrial-process control systems - Part 2: methods of evaluating the performance of intelligent valve positioners with pneumatic outputs
EN 626-1	Safety of machinery - Reduction of risk to health from hazardous substances emitted by machinery - Part 1: Principles and specifications for machinery manufacturers,
EN 12517-1:2006	Non destructive testing of welds-Radiographic testing of welded joints-Acceptance levels,
EN 12464-1	Light and lighting - Lighting of workplaces - Part 1: Indoor work places
EN 764	Pressure Equipment: Terminology, units, definitions,
EN 12464-2	Light and lighting - Lighting of workplaces - Part 2: Outdoor work places
EN 10064	Steel products with improved deformation properties perpendicular to the surface of the product
EN 1251-2:2000	Cryogenic vessels - Transportable vacuum insulated vessels of not more than 1000 litres volume - Part 2: design, fabrication, inspection and testing
EN 1251-3:2000	Cryogenic vessels: transportable insulated vessels of not more than 1000 liters volume - Part 3: Operational requirements
EN 12516-1:2005	Industrial valves - Shell design strength - Part 1: tabulation method for steel valve shells
EN 12516-2:2004	Industrial valves - Shell design strength - Part 2: calculation methods for steel valve shells
EN 12434:2000	Cryogenic vessels - Cryogenic flexible hoses

Cryoplant and distribution	
EN 1626	Cryogenic vessels - Valves for cryogenic service
EN 1998-1	Eurocode 8 - Design of structures for earthquake resistance - Part 1: General rules, seismic actions and rules for buildings
EN 13480-2:2017	Metallic industrial piping - Part 2: Materials
EN 1514-2	Flanges and their joints - Gaskets for PN-designated flanges - Part 2: spiral wound gaskets for use with steel flanges
EN 1514-8	Flanges and their joints - Gaskets for PN-designated flanges - Polymeric O'ring gaskets for grooved flanges
EN 15164	Machines and plants for mining and tooling of natural stone - Safety - Requirements for chain and belt slotting machines
EN 13648-1	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service
EN 15530-3:2002	Cryogenic vessels-Large transportable vacuum insulated vessels: Operational requirements
EN 1652	Copper and copper alloys - Plate, sheet strip and circles for general purposes
EN 15714-1	Industrial valves - Actuators - Part 1: terminology and definitions
EN 15714-2:2009	Industrial valves - Actuators - Part 2: electric actuators for industrial valves - Basic requirements
EN 15714-3:2009	Industrial valves - Actuators - Part 3: pneumatic part-turn actuators for industrial valves - Basic requirements
EN 1435	Non-destructive testing of welds - Radiographic testing of welded joints
EN 15714-4:2009	Industrial valves - Actuators - Part 4: hydraulic part-turn actuators for industrial valves - Basic requirements
EN 19:2002	Industrial valves - Marking of metallic valves
EN 1653	Copper and copper alloys - Plate, sheet strip and circles for boilers, pressure vessels and hot water storage units

Cryoplant and distribution	
EN 286-2:1992	Simple unfired pressure vessels designed to contain air or Nitrogen,
EN 1591-1:2001	Flanges and their joints-Design rules for gasketed circular flange connections
EN 1983:2006	Industrial valves - Steel ball valves
EN 1713:1998	Non destructive examination of welds - Ultrasonic Examination of welded Joints - Acceptance levels
EN 1797-1:1998	Cryogenic vessels - Gas/material compatibility - Part 1: Oxygen compatibility
EN 1626:2008	Cryogenic vessels - Valves for cryogenic service
EN 1779:1999	Non-destructive testing - Leak testing - Criteria for method and technique selection
EN 473	Non-destructive testing - Qualification and certification of NDT personnel
EN 1712:1997	Non destructive examination of welds - Ultrasonic Examination of welded Joints - Acceptance levels
EN 15530-1 + 2:2002	Cryogenic vessels-Large transportable vacuum insulated vessels: Fundamental requirements + Design, fabrication, inspection and testing
EN 1984:2000	Industrial valves - Steel gate valves
EN 1998-4	Eurocode 8 - Design of structures for earthquake resistance - Part 4: Silos, tanks and pipelines
EN 13648-2	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices for cryogenic service
EN 13445-8 V1	Unfired pressure vessels - Part 8: additional requirements for pressure vessels of aluminium and aluminium alloys
EN 13648-3	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 3: Determination of required discharge - Capacity and sizing

Cryoplant and distribution	
EN 1349	Industrial process control valves
EN 175301-803	Detail specification - Rectangular connectors
EN 175301	Detail specification - Rectangular connectors - Flat contacts, 0.8mm thickness, locking screw not detachable
EN 1714:1997	Non-destructive testing of welds - Ultrasonic testing of welded joints
EN 1998-4/NA	UK National Annex to Eurocode 8. Design of structures for earthquake resistance Silos, tanks and pipelines
EN 1503-1:2000	Valves - Materials for bodies, bonnets and covers - Part 1: steels specified in European Standards
EN 1503-2:2000	Valves - Materials for bodies, bonnets and covers - Part 2: steels other than those specified in European Standards
NF EN ISO 14644-5	Cleanrooms and associated controlled environments - Part 5: Operations
NF EN 13458-3	cryogenic vessels - Static Vacuum insulated vessels - Operational requirements
NF EN 12300	Cleanliness for cryogenic service
NF EN 13458-1	cryogenic vessels - Static Vacuum insulated vessels - Fundamental requirements
NF EN 13458-2	cryogenic vessels - Static Vacuum insulated vessels - Design, Fabrication, Inspection and testing
NF X 08-100	Colours - Rigid piping - Identification of fluides with conventional colours
NF EN 736-1:1995	Valves - Terminology - Part 1: definition of types of valves
NF EN 736-2:1997	Valves - Terminology - Part 2: definition of components of valves
NF EN ISO 14644-1	Cleanrooms and associated controlled environments - Part 1: classification of air cleanliness by particle concentration

Cryoplant and distribution	
NF EN ISO 14644-3	Cleanrooms and associated controlled environments - Part 3: test methods
NF EN ISO 14644-7	Cleanrooms and associated controlled environments - Part 7: Separative devices (clean air hoods, gloveboxes, isolators and mini-environments)
NF EN ISO 14644-8	Cleanrooms and associated controlled environments - Part 8: Assessment of air cleanliness by chemical concentration (ACC)
NF EN ISO 14644-6	Cleanrooms and associated controlled environments - Part 6: vocabulary
NF EN ISO 14644-2	Cleanrooms and associated controlled environments - Part 2: monitoring to provide evidence of cleanroom performance related to air cleanliness by particle concentration
NF EN ISO 14644-4	Cleanrooms and associated controlled environments - Part 4: design, construction and start-up
ISO 10380:2003	Pipework - Corrugated metal hoses and hose assemblies
ISO 262:1999	ISO general purpose metric screw threads - Selected sizes for screws, bolts and nuts
ISO 5817:2007	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
ISO 14731:2007	Welding coordination - Tasks and responsibilities
ISO 10806:2004	Pipework - Fittings for corrugated metal hoses
ISO 4200:1991	Plain end steel tubes, welded and seamless - General tables of dimensions and masses per unit length
ISO 1127:1992	Stainless steel tubes - Dimensions, tolerances and conventional masses per unit length
ISO 17637:2003	Non-destructive Testing of Welds - Visual Testing of Fusion-welded Joints
ISO 13920:1996	Welding - General tolerances for welded constructions
ISO 5251:1981	Stainless steel butt-welding fittings

Cryoplant and distribution	
ISO 6708:1995	Pipework components - Definition and selection of DN (nominal size)
ISO 17636:2003	Non-destructive testing of welds - Radiographic testing
ISO KF DN 25	not given
ISO KF DN 45	not given
ISO 9712	Non-destructive testing - Qualification and certification of NDT personnel
ISO 9001:2000	Quality management systems - Requirements
ISO 9712:2005	Non-destructive testing - Qualification and certification of NDT personnel
ASME B31.3:2008	Process Piping
EJMA	Standards of the expansion joint manufacturers association
EN 12434	Cryogenic vessels - Cryogenic flexible houses
EN 10216-5:2004	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 14585-1	Corrugated metal hose assemblies for pressure applications - Part 1: Requirements
EN 14585-1:2006	Corrugated metal hose assemblies for pressure applications - Part 1: Requirements
EN 12300:1998/A1:2006	Cryogenic vessels - Cleanliness for cryogenic service
EN 13480:2002	Metallic industrial piping
EN 10217-7:2005	Welded steel tubes for pressure purposes
EN 10217-7	Welded steel tubes for pressure purposes
EN 13648:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service
EN 1252-2:2001	Cryogenic vessels - Materials - Part 2: Toughness requirements for temperatures between -80°C and -20°C

Cryoplant and distribution	
EN 1418:1998	Welding personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN 10204:2004	Metallic products. Type of inspection documents
EN 10216-5	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
IEC 60534-6-1	Industrial-process control valves - Part 6: Mounting details for attachment of positioners to control valves - Section 1: Positioner mounting on linear actuators
ISO 23208:2005	Cryogenic vessels: Cleanliness for cryogenic service
ISO 1609:1986	Vacuum technology - Flange dimensions
ISO 4126	Safety devices for protection against excessive pressure
EN 764-7:2002	Pressure Equipment - Part 7: Safety Systems for unfired pressure equipment
EN 13709	Industrial valves - Steel globe and globe stop and check valves
EN 12266-2	Industrial valves - Testing of valves - Part 2: tests, test procedures and acceptance criteria - Supplementary criteria
EN 10220	Seamless and welded steel tubes - Dimensions and masses per unit length
EN 15714-3	Industrial valves - Actuators - Part 3: pneumatic part-turn actuators for industrial valves - Basic requirements
EN 12266-1	Industrial valves - Testing of valves - Part 1: pressure tests, test procedures and acceptance criteria - Mandatory requirements
EN 12266-2:2002	Industrial valves - Testing of valves - Part 2: tests, test procedures and acceptance criteria - Supplementary criteria
EN 1514-2:2005	Flanges and their joints - Gaskets for PN-designated flanges - Part 2: spiral wound gaskets for use with steel flanges
EN 13709:2002	Industrial valves - Steel globe and globe stop and check valves

Cryoplant and distribution	
EN 10220:2003	Seamless and welded steel tubes - Dimensions and masses per unit length
EN 473:2008	Non-destructive testing - Qualification and certification of NDT personnel
EN 13648	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service
IEC 61513	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems
ITER Document	Electrical Design Handbook (EDH)
ITER Document	Plant Control Design Handbook
ITER Document	ITER Vacuum Handbook
ASME B31.3:2010	Process Piping
EN 13458-3:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 3: Operational requirements
EN 13648-3:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 3: Determination of required discharge - Capacity and sizing
EN 13648-2:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices for cryogenic service
EN 13458-1:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 1: Fundamental requirements
EN 14197-1:2002	Cryogenic vessels - Static non-vacuum insulated vessels - Part 1: Fundamental requirements
EN 13458-2:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing
EN 13371:2001	Cryogenic vessels - Couplings for cryogenic service
EN 14197-3:2002	Cryogenic vessels - Static non-vacuum insulated vessels - Part 3: Operational requirements

Cryoplant and distribution	
EN 13648-1:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service
EN 1797:2001	Cryogenic vessels - Gas/material compatibility
EN 1626:1999	Cryogenic vessels - Valves for cryogenic service
NF C 13-000	Power installations exceeding 1 kV a.c
ITER Document	Summary list of titles and references harmonised standards under Directive 97/23/EC for Pressure equipment
ASME B31.3/EJMA	Process Piping
ASME B73.1M	Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process
ASME B73.2M	Specification for Vertical In-Line Centrifugal Pumps for Chemical Process
ASME B31.3	Process Piping
ASME B16.34	Valves - Flanged, Threaded and Welding End
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
APSAD	Assemblée Plénière des Sociétés d'Assurances Dommages) rules R7 (fire detection) and R13 (fire-extinguishing
EN 14197-2:2003	Cryogenic vessels - Static non-vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing
EN 14197-3:2004	Cryogenic vessels - Static non-vacuum insulated vessels - Part 3: Operational requirements
EN 13648-1:2008	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service
EN 13458-3:2003	Cryogenic vessels - Static vacuum insulated vessels - Part 3: Operational requirements
EN 14197-1:2003	Cryogenic vessels - Static non-vacuum insulated vessels - Part 1: Fundamental requirements

Cryoplant and distribution	
NF C 17-300	Conditions of use of liquid dielectrics. First part: fire risks

3.9 Cryostat

Cryostat	
Eurocode 8 (EC8) (EN 1998)	Design of structures for earthquake resistance
EN ISO 12085:1998	Geometrical Product Specification (GPS). Surface Texture: Profile Method. Motif Parameters. (ISO 12085:1996)
EN ISO 3650:2000	Geometrical Product Specification (GPS). Length Standards. Gauge Blocks (ISO 3650:1998)
EN ISO 5458:1999	Geometrical Product Specifications (GPS) - Geometrical Tolerancing - Positional Tolerancing (ISO 5458:1998)
EN ISO 14253-1:1999	Geometrical Product Specifications (GPS). Inspection by Measurement of Work Pieces and Measuring Equipment. Part 1: Decision Rules for Proving Conformance or Non-Conformance With Specifications (ISO 14253-1:1998)
EN ISO 14660-1:2000	Geometrical Product Specifications (GPS) - Geometrical Features-Part 1: General Terms And Definitions. (ISO 14660-1:1999)
ISO 12857	Field Procedure for determining accuracy of Surveying Instruments
ASTM A480/A480M-03c	Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip
ASTM A240/A240M-04	Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and For General Applications
ASTM A342-04	Test Method for Permeability of feebly magnetic Materials
ASTM A370-05	Test Methods and Definitions for Mechanical Testing of Steel Products
ASME BPVC Sec. VIII Div. 2 - Edition 2007	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME BPVC Sec. IX - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section IX - Qualification Standard for Welding, Brazing, and Fusing
ASME B31.3	Process Piping

Cryostat	
ASTM E45-05(2005)	Standard Test Methods for Determining the Inclusion Content of Steel
ASME BPVC Sec. V - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section V - Non-destructive examination
ASME B31.3:2010	Process Piping
ASTM E112-96(2004)e2	Standard Test Methods for Determining Average Grain Size
ASME BPVC Sec. II - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section II - Materials
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME BPVC Sec. VIII Div. 2 - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
EN 10204:2004	Metallic products. Type of inspection documents
EN 20286-1:1996	ISO System of Limits and Fits. Part 1: Bases of Tolerances, Deviations and Fits. (ISO 286-1:1988)
EN 20286-2:1996	ISO System of Limits and Fits. Part 2: Tables of Standard Tolerance Grades and Limit Deviations for Holes and Shafts. (ISO 286-2:1988)
EN 1998-1	Eurocode 8 - Design of structures for earthquake resistance - Part 1: General rules, seismic actions and rules for buildings
EJMA	Standards of the Expansion Joint Manufacturers Association
NF EN 1993	Eurocode 3 - design of steel structures
RCC-MR	Rules for design and construction of fast breeder liquid metal cooled reactors
ITER Document	EDH Part 3: Codes & Standards
ITER Document	Plant Control Design Handbook
ITER Document	Tritium Handbook

Cryostat	
ITER Document	ITER Vacuum Handbook
ITER Document	Codes and Standards for ITER Mechanical Components
ASME BPVC Sec. VIII Div. 1	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 1
ASME BPVC Sec. III Div. 1	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components, Division 1
ASME BPVC Sec. VIII Div. 2 - Edition 2013	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME B31.1	Power Piping

3.10 Diagnostic Neutral Beam

Diagnostic Neutral Beam	
EN ISO 14122	Safety of machinery - Permanent means of access to machinery
EN ISO 12100	Safety of machinery - General principles for design - Risk assessment and risk reduction
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	SRD-53-01, -02, -03 (NBH&CD) from DOORS
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)
ITER Document	EDH Part 3: Codes & Standards
ITER Document	EDH Part 2: Terminology & Acronyms
ITER Document	EDH Part 1: Introduction
ITER Document	EDH Part 5: Earthing and Lightning Protection
ITER Document	ITER Vacuum Handbook
ITER Document	NF C 15-100 - Low-voltage electrical installations - EN
NF C 15-100	Low-voltage electrical installations
EN 1993	Eurocode 3 - Design of Steel Structures
EN 13155	Cranes - Safety - Non-fixed load lifting attachments
Directive 2006/42/EC	Machinery
EN 1570-1	Safety requirements for lifting tables
EN 1990	Eurocode 0 - Basis of design
IEC 60060-2	High-voltage test techniques - Part 2: measuring systems
IEC 60071	Insulation co-ordination
IEC 60068-1	Environmental testing - Part 1: general and guidance
IEC 60060-1	High-voltage test techniques - Part 1: general definitions and test requirements

Diagnostic Neutral Beam	
IEC 60183	Guide to the selection of high-voltage cables
IEC 60502-1	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) - Part 1: Cables for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV)
IEC 60480	Guidelines for the checking and treatment of sulphur hexafluoride (SF6) taken from electrical equipment and specification for its re-use
IEC 60376	Specification of technical grade sulphur hexafluoride (SF6) for use in electrical equipment
Italian Raccolta VSR 2003	not given
JIS G 3448 2:2004	Light gauge stainless steel tubes for ordinary piping
JIS Z 3261	Silver Brazing Filler Metals
ASME B31.3:2010	Process Piping
ASME BPVC Sec. VIII Div. 2 - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASTM F15-04(2009)	Standard Specification For Iron-Nickel-Cobalt Sealing Alloy
RCC-MRx 2018	Design and Construction Rules for mechanical components of nuclear installations: high-temperature, research and fusion reactors
RCC-MR 2007	Rules for design and construction of fast breeder liquid metal cooled reactors
EN ISO 14732	Welding Personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN ISO 9606-1	Qualification test of welders - Fusion welding - Part1: Steels
EN ISO 15614-1	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys

Diagnostic Neutral Beam	
EN ISO 8785:1999	Geometrical Product Specification (GPS) - Surface imperfections - Terms, definitions and parameters
ISO 15614	Specification and qualification of welding procedures for metallic materials - Welding procedure test
ISO 4287:2000	Geometrical Product Specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters
ITER Document	Chemical composition and impurity requirements for materials
ITER Document	Tritium Handbook
ITER Document	In-vessel Components, SDC-IC
ASME B31.3	Process Piping
ASTM E45	Standard Test Methods for Determining the Inclusion Content of Steel
EN 10204	Metallic products. Type of inspection documents
EN 10168	Steel products - Inspection documents - List of information and description
EN 10222-5	Steel forgings for pressure purposes - Part 5: Martensitic, austenitic and austenitic-ferritic stainless steels
EN 10088-2	Stainless steels - Part 2: Technical delivery conditions for corrosion-resistant steel sheet and strip for general use
EN ISO 9606-4	Qualification testing of welders - Fusion welding - Part 1: Nickel and Nickel alloys
EN 10216-5	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 10217-1	Welded steel tubes for pressure purposes - Technical delivery conditions - Part 1: electric welded and submerged arc welded non-alloy steel tubes with specified room temperature properties
TS 61463	Bushings - Seismic qualification

Diagnostic Neutral Beam	
IEC 60146-2	Semiconductor converters - Part 2: Self-commutated semiconductor converters including direct d.c. converters
IEC 60146-6	Semiconductor converters Part 6: Application guide for the protection of semiconductor converters against overcurrent by fuses
IEC 60282-1	High-voltage fuses - Part 1: Current-limiting fuses
IEC 60146-3	Semiconductor converters - Part 3: Semiconductor direct d.c. converters (d.c. chopper converters)
IEC 60146-1-1/AMD1	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specifications of basic requirements
IEC 60287-1-1	Electric cables - Calculation of the current rating - Current rating equations (100% load factor) and calculation of losses - General
IEC 60146-1-3	Semiconductor converters - General requirements and line commutated converters - Part 1-3: Transformer and reactors
IEC 60146-1-2	Semiconductor converters - General requirements and line commutated converters - Part 1-2: Application guide
IEC 60191-5	Mechanical standardization of semiconductor devices - Part 5: Recommendations applying to integrated circuit packages using tape automated bonding (TAB)
IEC 60168	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1000V
IEC 60044-2	Instrument transformers - Part 2: inductive voltage transformers
IEC 60269-1	Low-voltage fuses - Part 1: General requirements
IEC 60099-5	Surge arresters - Part 5: Selection and application recommendations
IEC 60265	High voltage switches
IEC 60115-4	Fixed resistors for use in electronic equipment; part 4: sectional specification: fixed power resistors

Diagnostic Neutral Beam	
IEC 60099-4	Surge arresters - Part 4: Metal-oxide surge arresters without gaps for a.c. systems
IEC 60099-1/AMD1	Surge arresters - Part 1: Non-linear resistor type gapped arresters for a.c. systems - Amendment 1
IEC 60191-4	Mechanical standardization of semiconductor devices - Part 4: Coding system and classification into forms of package outlines for semiconductor device packages
IEC 60137	Insulated bushings for alternating voltages above 1 000 V
IEC 60191-2	Mechanical standardization of semiconductor devices - Part 2: Dimensions
IEC 60255-5	Electrical Relays - Part 5: Insulation coordination for measuring relays and protection equipment - Requirements and tests
IEC 60191-1	Mechanical standardization of semiconductor devices - Part 1: Preparation of drawings of semiconductor devices
IEC 60044-1	Instrument transformers - Part 1: current transformers
IEC 60270	High-voltage test techniques - Partial discharge measurements
IEC 60076	Power transformers
IEC 60099-1	Surge arresters - Part 1: Non-linear resistor type gapped surge arresters for a.c. systems
IEC 60269-4	Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices
IEC 60146-1-1	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specifications of basic requirements
IEC 60191-3	Mechanical standardization of semiconductor devices - Part 3: General rules for the preparation of outline drawings of integrated circuits
IEC 60191-6	Mechanical standardization of semiconductor devices - Part 6: General rules for the preparation of outline drawings of surface mounted semiconductor device packages

Diagnostic Neutral Beam	
IEC 60931-3	Shunt capacitors of the non-self-healing type for AC power systems having a rated voltage up to and including 1000 V - Part 3: Internal fuses
IEC 60947	Low-voltage switchgear and controlgear
IEC 61000-4	Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques
IEC 61071	Capacitors for power electronics
IEC 60871-3	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V - Part 3: Protection of shunt capacitors and shunt capacitor banks
IEC 61140	Protection against electrical shock - Common aspects for installation and equipment
IEC 60871-1	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V - Part 1: General
IEC 61131	Programmable Controllers
IEC 61010	Safety requirements for electrical equipment for measurement, control, and laboratory use
IEC 60364-1	Low-voltage electrical installations - Part 1: Fundamental principles, assessment of general characteristics, definitions
IEC 60754-2	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 60549	High voltage fuses for external protection of shunt power capacitors
IEC 61083-3	High-voltage test techniques - Part 3: Definitions and requirements for on-site testing
IEC 60617-DB-12M	Graphical symbols for diagram
IEC 60749	Semiconductor devices - Mechanical and climatic test methods
IEC 60700-1	Thyristor valves for high voltage direct current (HVDC) power transmission - Part 1: Electrical testing

Diagnostic Neutral Beam	
IEC 61125	Unused hydrocarbon-based insulating liquids -Test methods for evaluating the oxidation stability
IEC 60748	Semiconductor devices - Integrated circuits
IEC 60529	Degrees of protection provided by enclosures (IP code)
IEC 60300-3-2	Dependability management - Part 3-2: Application guide - Collection of dependability data from the field
IEC 60296	Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear
IEC 60931-2	Shunt power capacitors of the non-self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 2: Ageing test and destruction test
IEC 60300-1	Dependability management - Part 1: Guidance for management and application
IEC 60931-1A/AMD1	Amendment 1 - Shunt power capacitors of the non-self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 1: General - Performance, testing and rating - Safety requirements - Guide for installation and operation
IEC 60300-3-1	Dependability management - Part 3-1: Application guide - Analysis techniques for dependability - Guide on methodology
IEC 60931-1	Shunt power capacitors of the non-self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 1: General - Performance, testing and rating - Safety requirements - Guide for installation and operation
IEC 60310	Converter Transformers
IEC 60871-4	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V - Part 4: internal fuses
IEC 60332	Tests on electric and optical fibre cables under fire conditions
IEC 60331-21	Tests for electric cables under fire conditions - Circuit integrity
IEC 60885	Electrical test methods for electric cables

Diagnostic Neutral Beam	
IEC 61508	Functional safety of electrical/electronic/programmable electronic safety-related systems
IEC 62040	Uninterruptible power systems (UPS)
IEC 61936-1	Power installations exceeding 1 kV a.c. - Part 1: Common rules
IEC 62032	Guide for the application, specification, and testing of phase-shifting transformers
IEC 61378-2	Converter transformers - Part 2: Transformers for HVDC applications
IEC 61975	System tests for high-voltage direct current (HVDC) installations
IEC 61839	Nuclear Power Plants - Design of Control rooms - Functional analysis and assignment
IEC 61640	Rigid high-voltage, gas-insulated transmission lines for rated IEC voltage of 72,5 kV and above
IEC 61378-3	Converter transformers - Part 3: Application guide
IEC 61378-1	Converter transformers - Part 1: Transformers for industrial applications
IEC 62271	High-voltage switchgear and controlgear
IEC 62199	Bushings for d.c. application
IEC 61850	Communication networks and systems in substations
IEC 61803	Determination of power losses in high-voltage direct current (HVDC) converter stations
IEC 61511	Functional safety - Safety instrumented systems for the process industry sector
EN 50136	Alarm systems and alarm equipments
CISPR11amd2	Industrial, scientific and medical (ISM) radio-frequency equipment Electromagnetic disturbance characteristics - Limits and methods of measurement - Amendment 2

Diagnostic Neutral Beam	
CISPR11	Industrial, scientific and medical (ISM) radio-frequency equipment Electromagnetic disturbance characteristics - Limits and methods of measurement
Cigré 276, Task Force B3.02.01:2005	Guide for the preparation of customised “practical SF6 handling instructions”
EN 15614:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
EN 10204:2005	Metallic products. Type of inspection documents
EN ISO 15614-1:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
IEC 60059	IEC standard current ratings
IEC 60185	Current transformers
IEC 60186	Voltage transformers
IEC 60146-4	Semiconductor converters Part 4: Method of specifying the performance and test requirements of uninterruptible power systems
IEC 60050	International Electro technical Vocabulary
IEC 60146-5	Semiconductor converters Part 5: Switches for uninterruptible power systems (UPS switches)
IEC 60129	Alternating current disconnectors and earthing switches
IEC 60060-3	High voltage test techniques - Part 3: definitions and requirements for on-site testing
IEC 60060-4	High-voltage test techniques Part 4: Application guide for measuring devices
IEC 60038	IEC standard voltages
IEC 60289	Reactors

Diagnostic Neutral Beam	
IEC 60331	Tests for electric cables under fire conditions - Circuit integrity
IEC 60502	Power cables with extruded insulation and their accessories for rated voltages from 1 kV up to 30kV
IEC 60694	Common clauses for high voltage switchgear and control gear standards
IEC 60617-DB	Graphical symbols for diagram
IEC 60871-2	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V - Part 2: Endurance testing
IEC 60801	Electromagnetic compatibility for electrical and electronic equipment
IEC 60332-1	Tests on electric and optical fibre cables under fire conditions - Part 1: Test for vertical flame propagation for a single insulated wire or cable
IEC 60831-1/AMD1	Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 1: General - Performance, testing and rating - Safety requirements - Guide for installation and operation. Amendment 1
IEC 60831-2	Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 2: Ageing test, self-healing test and destruction test
IEC 60438	Tests and dimensions for high-voltage DC insulators
IEC 60747	Semiconductor devices
IEC 60726	Dry-type power transformers
IEC 60332-3	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 60332-2	Tests on electric and optical fibre cables under fire conditions - Part 2: Test for vertical flame propagation for a single small insulated wire or cable

Diagnostic Neutral Beam	
IEC 61010-1/COR2	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
BS EN 50136	Alarm systems - Alarm transmission systems and equipment
IEC 61000	Electromagnetic compatibility (EMC)
ITER Document	Plant Control Design Handbook
ITER Document	SRD-53-04 (DNB) from DOORS
ASTM F15	Standard Specification For Iron-Nickel-Cobalt Sealing Alloy
ASTM E112	Standard Test Methods for Determining Average Grain Size
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASTM A456	Standard Specification for Magnetic Particle Examination of Large Crankshaft Forgings
EN 970	Non destructive examination of fusion welds. Visual examination
EN 571-1	Non-destructive testing - Penetrant testing - Part 1: General principles
EN 12167	Copper and copper alloys - Profiles and bars for general purposes
EN 1435	Non-destructive testing of welds - Radiographic testing of welded joints
EN 1290	Non-destructive examination of welds. Magnetic particle examination of welds
EN 1714	Non-destructive testing of welds - Ultrasonic testing of welded joints
No C&S	not given
Related EN standards	not given
not given	6.2.1 - Vacuum system standards and gas handling standards
Eurocode	not given

Diagnostic Neutral Beam	
EN ISO 2320:2008	Helicoils
EN ISO 3269:2002	Fasteners
IEC 61069	Industrial-process measurement and control. Evaluation of system properties for the purpose of system assessment
IEC 61131-2	Programmable controllers - Part 2: Equipment requirements and tests
IEC 61158	Industrial communication networks - Fieldbus specifications
IEC 61131-1	Programmable controllers - Part 1: General information
IEC 61131-3	Programmable controllers - Part 3: Programming languages
IEC 60709	Nuclear power plants - Instrumentation, control and electrical power systems important to safety - Separation
IEEE 61850	Standards applicable to Power Station I&C components
ISA 5.1:1984 (R1992)	Instrumentation Symbols and Identification
IEC 62402	Obsolescence management
IEEE 802.3	Standard for Ethernet based LANs
ISO 62061/ISO 12100	not given
ISO/IEC/IEEE 12207	Software Life Cycle Processes
ASCE/SEI 7-05	Minimum Design Loads for Buildings and Other Structures
ASHRAE 2007 Handbook	Handbook, Section 54, Seismic and wind restraind design
Directive 97/23/EC	Directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment
ASME BPVC Sec. V - Edition 2007	ASME Boiler and Pressure Vessel Code (BPVC) - Section V - Non-destructive examination
ASME B31.3:2008	Process Piping

Diagnostic Neutral Beam	
EN 583-6	Non-destructive testing - Ultrasonic examination - Part 6: Time-of-flight diffraction technique as a method for detection and sizing of discontinuities
EN 10272:2000	Stainless steel bars for pressure purposes
EN 10241:2000	Threaded fittings
EN 583-1	Non-destructive testing - Ultrasonic examination - Part 1: General principles
EN 583-2	Non-destructive testing - Ultrasonic examination - Part 2: Sensitivity and range setting
EN 583-3	Non-destructive testing - Ultrasonic examination - Part 3: Transmission technique
EN 13927:2006	Non-destructive testing - Visual testing - Equipment
EN 583-5	Non-destructive testing - Ultrasonic examination - Part 5: Characterization and sizing of discontinuities
EN 10216-5:2005	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 60034/A1:2002	Rotating electrical machinery
EN 60672-1	Ceramic insulators classification and specifications
EN 60204-1:2006	Safety of machinery - Electrical equipment of machines - Part 1: General requirements
EN 1998-3:2005	Eurocode 8 - Design of structures for earthquake resistance - Part 3: Assessment and retrofitting of buildings
EN 12223:2001	Non-destructive testing - Ultrasonic examination - Specification for calibration block N° 1
EN 60672-3	Ceramic insulators mechanical and electrical characteristics
EN 1998-1:2004	Eurocode 8 - Design of structures for earthquake resistance - Part 1: General rules, seismic actions and rules for buildings

Diagnostic Neutral Beam	
EN 583-4	Non-destructive testing - Ultrasonic examination - Part 4: Examination for discontinuities perpendicular to the surface
EN 10088-1:2005	Stainless steels - Part 1: List of stainless steels
Directive 94/9/EC	Directive 94/9/EC of the European Parliament and the Council of 23 March 1994 on the approximation of the laws of the Member States concerning equipment and protective systems intended for use in potentially explosive atmospheres
EN 10003-1	Brinell hardness tests
EN 61326:1997	Electrical equipment for measurement, control and laboratory use. EMC requirements. General requirements
Directive 2004/108/EC	Electromagnetic Compatibility (EMC)
Directive 2006/95/EC	Harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits
EN 10028:2004	Flat products made of steel for pressure purposes
EN 10088-2:2005	Stainless steels - Part 2: Technical delivery conditions for corrosion-resistant steel sheet and strip for general use
EN 473:2008	Non-destructive testing - Qualification and certification of NDT personnel
EN 13445	Unfired pressure vessels
EN 13480	Metallic industrial piping
EN 13018:2001	Non-destructive testing - Visual testing - General principles
EN 10002-1	Metallic materials - Tensile testing - Part 1: Method of test at ambient temperature
EN 14585-1:2006	Corrugated metal hose assemblies for pressure applications - Part 1: Requirements
EN 61000-6-2:2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments

Diagnostic Neutral Beam	
EN 61000-6-4:2001	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
EN 1012-2	Compressors and vacuum pumps - Safety requirements - Part 2: Vacuum pumps
EN 1012-2:1996	Compressors and vacuum pumps - Safety requirements - Part 2: Vacuum pumps
EN 1330-1:2000	Non-destructive testing - Terminology - List of general terms
EN 1012-1	Compressors and vacuum pumps - Safety requirements - Part 1: Air compressors
EN 14917:2009	Bellows and flexible elements
EN 61010-1:2002	Safety requirements for electrical equipment for measurement, control, and laboratory use
EN 10168:2005	Steel products - Inspection documents - List of information and description
EN 1330-4:2005	Non destructive testing - Terminology - Part 4: Terms used in ultrasonic testing
EN 1330-3:1998	Non-destructive testing - Terminology - Terms used in industrial radiographic testing
EN 1330-2:2000	Non destructive testing - Terminology - Terms common to the non-destructive testing methods
IEC 60099	Surge arresters
IEC 60269	Low-voltage fuses
IEC 60282	High-voltage fuses
IEC 60044	Instrument transformers
IEC 60146	Semiconductor converters
IEC 60060	High-voltage test techniques
IEC 60871	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V

Diagnostic Neutral Beam	
IEC 60931	Shunt power capacitors of the non-self-healing type for a.c. systems having a rated voltage up to and including 1000 V
IEC 60300	Dependability management
IEC/TS 61463	Bushings - Seismic qualification
IEC 61378	Converter transformers
NUREG 1.180:2003	Guidelines for evaluating electromagnetic Radio-frequency interferences in safety related instrumentation and control Systems.: USA Nuclear Regulatory Commission (informative)
RCC-E 2002	Design and construction rules for electrical equipment of nuclear islands
RCC-MR	Rules for design and construction of fast breeder liquid metal cooled reactors
STEP ISO 10303 - AP 233	System Engineering Information Model (draft)
UTE C18-530	Collection of electrical safety requirements for authorized personnel non-electrician worker (B0, H0), electrical executant (b1, h1), maintenance supervisor (BR)
UTE C18-510	Opérations sur les ouvrages et installations électriques et dans un environnement électrique - Prévention du risque électrique
Standard equivalent to ANSI/EIA-748-A-1998	not given
UTE C18-540	Prescriptions de sécurité électrique pour les opérations basse tension sur les installations et les ouvrages hors travaux sous tension
FD X60-000	Maintenance industrielle - Fonctions Maintenance
IEC 60038:2002	IEC standard voltages+ am1+am2
IEC 60196:1965	IEC standard frequencies
IEC 60027	Letter symbols to be used in electrical technology. (All parts)

Diagnostic Neutral Beam	
IEC 60270:2000	High-voltage test techniques - Partial discharge measurements
IEC 60146-1-3:1991	Semiconductor converters - General requirements and line commutated converters - Part 1-3: Transformer and reactors
IAEA NS-G-1.1	IAEA Safety Guide - Software for Computer Based Systems Important to Safety in Nuclear Power Plants
IEC 60146-2:1999	Semiconductor converters - Part 2: Self-commutated semiconductor converters including direct d.c. converters
IAEA SG	IAEA Safety guides series - Quality Assurance for safety in Nuclear Plants and other Nuclear Installations and Safety Guides Q1-Q14
IEC 60146-1-1:1991+A1: 1996	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specifications of basic requirements
IAEA TR No 397	IAEA TR No 397 Quality Assurance For Software Important to Safety
IEC	not given
IEC 60071-1	Insulation co-ordination - Part 1: Definitions, principles and rules
IEC 60071-5	Insulation co-ordination - Part 5: procedures for high-voltage direct current (HVDC) converter stations
IEC 60071-4	Insulation co-ordination - Part 4: Computational guide to insulation co-ordination and modelling of electrical networks
IEC 60073:2002	Basic and safety principles for man-machine interface, marking and identification
IEC 60071-2	Insulation co-ordination - Part 2: Application guidelines
IEC 60099-1amd1	Surge arresters - Part 1: Non-linear resistor type gapped surge arresters for a.c. systems - Amendment 1
IEC 60059:1999	IEC standard current ratings
IEC 60068	Environmental Testing
IEC 61082-2	Preparation of documents used in electro technology - Part 2

Diagnostic Neutral Beam	
IEC 61326	Electrical equipment for measurement, control and laboratory use - EMC requirements
IEC 61082-1	Preparation of documents used in electro technology - Part 1
IEC 60980:1998	Recommended practices for seismic qualification of electrical equipment of the safety system for nuclear generating stations
IEC 61082-6	Preparation of documents used in electro technology - Part 6
IEC 60931-1:1996/AMD1:2002	Amendment 1 - Shunt power capacitors of the non-self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 1: General - Performance, testing and rating - Safety requirements - Guide for installation and operation
IEC 61082-3	Preparation of documents used in electro technology - Part 3
IEC 61082-4	Preparation of documents used in electro technology - Part 4
IEC 60880:2006	Nuclear power plants - Instrumentation and control systems important to safety - Software aspects for computer-based systems performing category A functions
IEC 60812:2006	Analysis techniques for system reliability - Procedure for failure mode and effects analysis (FMEA)
IEC 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: general requirements
IEC 60780:1998	Nuclear power plants - Electrical equipment of the safety system - Qualification
IEC 61025:2006	Fault tree analysis (FTA)
IEC 61014:2003	Programmes for reliability growth
IEC 60772:1983	Electrical penetration assemblies in containment structures for Nuclear power generating stations (Parts)
IEC 60909	Short circuit currents in three phase ac systems Parts 0,TR1, TR2, 3,TR4

Diagnostic Neutral Beam	
IEC 60445:2006	Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals and conductor terminations
IEC 61160:2006 (NF EN 61160)	Design review
IEC 61201	Extra- low voltage (ELV) - Limits values
IEC 61180	High-voltage test techniques for low voltage equipment
IEC 61204	Low voltage power supplies, dc output
IEC 60447:2004	Basic and safety principles for man-machine interface, marking and identification - Actuating principles
IEC 60449:1973	Voltage bands for electrical installations of buildings
IEC 60721	Classification of environmental conditions
IEC 60319:1999	Presentation and specification of reliability data for electronic components
IEC 61226:2005	Nuclear Power Plants - Instrumentation and Control Systems Important to Safety - Classification of Instrumentation and Control Functions
IEC 60364	Low-voltage electrical installations
IEC 61204-3	draft Low voltage power supplies, dc output - Electromagnetic compatibility (EMC) (informative)
IEC 60706	Maintainability of equipment
IEC 60695	Fire hazard testing
IEC 60748	Semiconductor devices - Integrated circuits
IEC 60605	Equipment Reliability testing All Parts
IEC 60633: 1998	Terminology for High Voltage Direct Current (HVDC) transmission
IEC 60654	Industrial process measurement and control equipment -Operating conditions (All parts)

Diagnostic Neutral Beam	
IEC 61513:2001	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems
IEC 62198:2001	Project risk management - Application guidelines
IEC 61360	Standard data element types with associated classification scheme
IEC 61378-1:1997	Converter transformers - Part 1: Transformers for industrial applications
IEC 61355:1997	Classification and designation of documents for plants, systems and equipment
IEC 61709:1996	Electronic components - Reliability - Reference conditions for failure rates and stress models for conversion
IEC 61660-1	Short-circuit currents in d.c. auxiliary installations in power plants and substations - Part 1: Calculation of short-circuit currents
IEC 61968	Application Integration at electric utilities - System interface for distribution management
IEC 61508 (NF EN 61508)	Functional safety of electrical/electronic/programmable electronic safety-related systems
IEC 62023:2000	Structuring of technical information and documentation
IEC 61286:2001	Information technology - Coded graphic character set for use in the preparation of documents used in electro technology and for information interchange
IEC 61378-3:2006	Converter transformers - Part 3: Application guide
IEC 61970	Energy management system application program interface (EMS-API)
IEC 62027:2000	Preparation of parts lists
IEC 61346	Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations
IEC 61660-2	Short-circuit currents in d.c. auxiliary installations in power plants and substations - Part 2: Calculation of effects

Diagnostic Neutral Beam	
IEC 61293:1994	Marking of electrical equipment with ratings related to electrical supply - Safety requirements
IEC 61557	Electrical safety in low voltage distribution systems up to 1000V ac and 150V dc Equipment for testing, measuring or monitoring of protective measures
IEC 61800	Adjustable speed electrical power drive systems
IEC 61936-1:2002	Power installations exceeding 1 kV a.c. - Part 1: Common rules
IEC 62138:2004	Nuclear power plants. Instrumentation and control for systems important to safety - Software aspects for computer-based systems performing category B and C functions
IEC 61378-2:2001	Converter transformers - Part 2: Transformers for HVDC applications
IEC 61639	Direct connection between power transformers and gas-insulated metal-enclosed switchgear for rated voltages of 72.5 kV and above
IEC 62103:2003	Electronic Equipment for use in power installations
IEC 61882	Hazard and operability studies (HAZOP studies) - Application guide
IEC TR 61660-3	Short-circuit currents in d.c. auxiliary installations in power plants and substations - Part 3: Examples of calculations
IEC TR 60919-1	Performance of high-voltage direct current (HVDC) systems with line-commutated converters - Part 1: Steady-state conditions
IEC TR 60919-2	Performance of high-voltage direct current (HVDC) systems with line-commutated converters - Part 2: Faults and switching
IEC TR 60919-3	Performance of high-voltage direct current (HVDC) systems with line-commutated converters - Part 3: Dynamic conditions
IEC TR 61000-5-2	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines - Section 2: Earthing and cabling
IEC TR 61634	Appareillage à haute tension - Utilisation et manipulation de gaz Hexafluorure de soufre (SF6) dans l'appareillage à haute tension

Diagnostic Neutral Beam	
IEEE 1100:2005	IEEE Recommended Practice for Powering and Grounding Electronic Equipment (Emerald book)l
IEC 62308:2006	Equipment reliability - Reliability assessment methods
IEC TR 60146-1-2:1991	Semiconductor converters - General requirements and line commutated converters - Part 1-2: Application guide
IEC TR 61838:2001	Nuclear Power Plants, Instrumentation and control for systems important to safety - Use of probabilistic safety assessment for the classification
IEC TR 62357:2003	Power systems control and associated communications -Reference architecture for objects models, services and protocols
IEC TS 60071-5	Insulation coordination Part 5 Procedures for high voltage direct current (HVDC) converter systems
IEC TS 60146-6:1992	Semiconductor converters - General requirements and line commutated converters - Part 6 Application guide for the protection of semiconductor converters against overcurrent by fuses
IEC DICT:2005	IEC Multilingual Dictionary on CD-ROM - 6th edition
IEC 62347:2006	Guidance on system dependability specifications
IEC 62402:2007	Obsolescence management - Application guide
IEC 62429:2007	Reliability growth - Stress testing for early failures in unique complex systems
IEC 82045	Document management
IEC ISO 81714	Design of graphical symbols for use in the technical documentation of products
IEC PAS 61975	System tests for high-voltage direct current (HVDC) installations
IEC PAS 62001	Guide to the specifications and design evaluation of a.c. filters for HVDC Systems
IEC PAS 62508:2007	Guidance on human factors engineering for system life cycle applications

Diagnostic Neutral Beam	
IEC TS 61000-1-2	Electromagnetic compatibility (EMC) Part1-2 General-Methodology for the achievement of functional safety of electrical and electronic equipment with regard to electromagnetic phenomena
ISO 17666:2003	Space Systems - Risk Management
ILO OSH 2001	Guidelines on occupational Safety and Health Management Systems
ISO /IEC 15504	Information technology. Software process assessment (ISO/SPICE)
ISO /IEC 6592:2000	Information technology - Guidelines for the documentation of computer based application systems
ISO 14001:2004	Environmental Management Systems
IEEE 857-1996	IEEE Recommended Practice for Test Procedures for High-Voltage Direct Current Thyristor Valves
ISO 14617	Graphical symbols for diagrams
IEEE 830-1998	IEEE Recommended Practice for Software Requirements Specifications
ISO 21551:2005	Space systems - Functional and technical specifications
ISO 80000	Quantities and units
IEEE 1124-2003	IEEE Guide for the analysis and definition of DC -Side Harmonic Performance of HVDC Transmission Systems
IEC TS 61000-6-5:2001	Electromagnetic interference (EMC) - Generic standard - Immunity of power station and substation environment
IEEE 1050:2004	IEEE Guide for Instrumentation and Control Equipment Grounding in Generating Stations
IEEE 1240-2000 (R2006)	IEEE Guide for the evaluation of Reliability of HVDC Converter Stations
IEEE 1378-1997	IEEE guide for commissioning High Voltage Direct Current (HVDC) Converter Stations and associated transmission Systems

Diagnostic Neutral Beam	
IEEE 142:2007	IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems (green book)
IEEE 80:2000	IEEE guide for Safety in AC Substation Grounding
IEC 62305:2006	Protection against lightning
IEC 62271-303	High-voltage switchgear and control gear - Part 303: Use and handling of sulphur hexafluoride (SF6)
ISO/IEC 13943	Fire Safety - Vocabulary (ISO TC 92)
NF C 13-200	High voltage electrical installations for electrical energy production sites, industrial, commercial and agricultural sites
ISO/IEC 12207	Information technology - Software life cycle processes
NF C 13-000	Power installations exceeding 1 kV a.c
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part1: Design Criteria
ITER Document	ITER Remote Handling Code of Practice
ITER Document	ATEX - requirements for risk assessment and mitigation
ITER Document	Material Properties Handbook (MPH)
ITER Document	ITER Human Factor Integration Plan
ISO 9001:2000	Quality management systems - Requirements
ITER Document	ITER Tritium Manual
ITER Document	ITER Computer Aided Design Handbook (CAD)
ISO/IEC 14598	Information technology. Product evaluation
ITER Document	ITER Materials Properties Handbook, Introduction, baseline 2009
ISO 9000-3	Quality Management and Quality Assurance Standards - Part 3: Guidelines for the application of ISO 9001 to the Development of Supply and Maintenance of Software
ITER Document	Structural Design Criteria - General Section

Diagnostic Neutral Beam	
ITER Document	Remote Handling Manual (RHM)
ITER Document	Vacuum Design Handbook (VDH)
ITER Document	Radiation Hardness Manual (RAD), Volume II Gamma Radiation
ITER Document	Handbook Organization
ITER Document	Control System Design Handbook (CSH)
ITER Document	Load Specifications (LS)
ITER Document	ITER Electrical Design Handbook (EDH)
ISO/IEC 15228:2002	System engineering - System Life cycle process
ISO/IEC 15289	Systems and software engineering - Content of systems and software life cycle process information products (Documentation)
ISO/IEC 9126	Software engineering Product Quality
ISO/IEC DIS 14102	Information Technologies Evaluation and Selection of Computer-Aided Software Engineering (CASE) Tools
ISO/IEC Guide 2:2004	Standardization and related activities - General vocabulary
Avis ESP:1999	Avis relatif à l'application du décret n° 99-1046 du 13 décembre 1999 relatif aux équipements sous pression
ASME B73.2M	Specification for Vertical In-Line Centrifugal Pumps for Chemical Process
ASME BPVC Sec. III Div. 1	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components, Division 1
ANSI	ANSI Standards
ASME B73.1M	Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process
ANSI/EIA-748-A-1998	Earned Value Management Systems
ASME B16.34	Valves - Flanged, Threaded and Welding End

Diagnostic Neutral Beam	
CISPR 22:1997	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
CISPR 11:2004	Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement
CISPR 11amd 2	Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement - Amendment 2
CISPR 16-1:1993	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1: Radio disturbance and immunity measuring apparatus
CIGRE SC14	Study Committee 14-DC Links, #14-97 (WG 04-21), Protocol for Reporting the Operational Performance of HVDC Transmission Systems.1
CIGRE WGB4	Publications working group B4 (HVDC)
CISPR 11	Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement
RCC-E	Design and construction rules for electrical equipment of nuclear islands
NF EN 13460	Documents for maintenance
NF EN 12973:2000	Value management
NF EN 50110-1	Operation of electrical installations - Part 1: general requirements
NF EN 50110-2	Operation of electrical installations - Part 2: National annexes
NF EN 13306:2001	Maintenance terminology
NF M 64-001	Procedure for qualifications of electric equipment installed in containments for pressurised water reactors and subject to accident conditions

Diagnostic Neutral Beam	
NF EN 61508-6:2001	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 6: guidelines on the application of IEC 61508-2 and IEC 61508-3
NF EN 1325-1:1996	Value management, value analysis, functional analysis vocabulary
NF EN 61508-7:2001	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 7: overview of techniques and measures
NF EN 45510-1:1998	Guide for procurement of power station equipment - Part 1: Common clauses
NF EN 45510-8-1:1998	Guide for procurement of power station equipment - Part 8-1: Control and instrumentation
NF EN 45510-2:1998	Guide for procurement of power station equipment - Part 2: Electrical Equipment - Section 4 High power static converters
NF X60	Maintenance industrielle
NF C 17-300	Conditions of use of liquid dielectrics. First part: fire risks
NF EN 61508-1:2001	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 1: general requirements
NF EN 61508-5:2001	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 5: examples of methods for the determination of safety integrity levels
NF EN 61508-4:2001	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 4: definitions and abbreviations
NF EN 61508-3:2001	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3: software requirements
NF EN 50110-1:2004	Operation of electrical installations - Part 1: general requirements
NF EN 61508-2:2001	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 2: requirements for electrical/electronic/programmable electronic safety-related systems

3.11 Diagnostics

Diagnostics	
not given	Electrical Design Handbook (EDH)
Related EN standards	not given
RCC-MR 2007	Rules for design and construction of fast breeder liquid metal cooled reactors
ITER Document	Plant Control Design Handbook
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME	ASME Codes and Standards
ASME B31.3	Process Piping
ITER Document	ITER Vacuum Handbook
ASME BPVC Sec. VIII	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels
not given	Technical Specification
not given	According to the manufacturer
not given	Electrical Codes and Standards
Standard equivalent to ASME BPVC Sec. VIII Div.2 or RCC-MR 2007	not given
not given	not given
not given	According to manufacturer and code
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)
ITER Document	EDH Part 2: Terminology & Acronyms
ITER Document	Chemical composition and impurity requirements for materials

Diagnostics	
ITER Document	SRD-55 (Diagnostics) from DOORS
ITER Document	EDH Part 5: Earthing and Lightning Protection
ITER Document	EDH Part 1: Introduction
ITER Document	ITER Remote Handling Code of Practice
ITER Document	In-vessel Components, SDC-IC
ITER Document	Tritium Handbook
ITER Document	EDH Part 3: Codes & Standards
RCC-MRx 2012	Design and Construction Rules for mechanical components of nuclear installations: high-temperature, research and fusion reactors
Eurocode 8 (EC8) (EN 1998)	Design of structures for earthquake resistance
Eurocode 3 (EC3) (EN 1993)	Eurocode 3 - Design of steel structures
Eurocode 1 (EC1) (EN 1991)	Actions on structures
Eurocode 0 (EC0) (EN 1990)	Basis of structural design
ITER Document	Operations Handbook
ITER Document	Operations Handbook - 2 Operational States
ITER Document	Electrical Design Handbook (EDH)
ITER Document	Material Properties Handbook (MPH)
EN 1990	Eurocode 0 - Basis of design
EN ISO 15614-1	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys

Diagnostics	
EN ISO 15609-4	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 4: Laser beam welding
EN ISO 9606-1	Qualification test of welders - Fusion welding - Part1: Steels
EN ISO 15614-11	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 11: electron and laser beam welding
EN ISO 15609-3	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 3: Electron beam welding
ISO 14555	Welding - Arc stud welding of metallic materials
ASTM A240-94	Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
ASTM A479/A479M-94	Standard Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels
EN ISO 15609-1	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding
EN 13445-5	Unfired pressure vessels - Part 5: Inspection and testing
EN 13445-4	Unfired pressure vessels - Part 4: Fabrication
EN ISO 9606-4	Qualification testing of welders - Fusion welding - Part 1: Nickel and Nickel alloys
EN 13445-2	Unfired pressure vessels - Part 2: Materials
EN 14532	Welding consumables - Test methods and quality requirements - Part 1: Primary methods and conformity assessment of consumables for steel, nickel and nickel alloys
EN 571-1	Non-destructive testing - Penetrant testing - Part 1: General principles
EN 10204	Metallic products. Type of inspection documents

Diagnostics	
EN ISO 15607	Specification and qualification of welding procedures for metallic materials - General rules
ISO 834	Fire resistance tests - Elements of building construction
EJMA	Standards of the expansion joint manufacturers association
EN 14917	Metal bellows expansion joints for pressure applications
EN 13445	Unfired pressure vessels
EN 13480	Metallic industrial piping
NF C 32-070	Insulated cables and flexible cords for installations - Classification tests on cables and cords with respect to their behaviour to fire
RCC-MRx 2018	Design and Construction Rules for mechanical components of nuclear installations: high-temperature, research and fusion reactors
not given	According to Manufacturer
EN Standards	not given
ITER Document	Instructions for Structural Analyses
ASME BPVC Sec. VIII Div. 2 - Edition 2015	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME BPVC Sec. III - Edition 2015	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components
EJMA 10th Edition	Standards of the Expansion Joint Manufacturers Association
ITER Document	Load Specifications (LS)
not given	Annex B of the Diagnostics
not given	According to Manufacturer, Code and Technical Specifications
not given	According to Manufacturer and Technical Specifications
not given	According to Annex B, section 6

Diagnostics	
ASME BPVC Sec. III	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components
not given	Defined in the Annex B of the Diagnostics
ITER Document	55.B8-Neutron Activation System - PA AnnexB
ITER Document	55.E8 Neutral Particle Analyzer System - PA Annex B
ITER Document	55.G4 Diagnostic Residual Gas Analyzers- PA Annex B
ITER Document	Annex B for 55.E2 H-alpha and Visible Spectroscopy Diagnostic
ITER Document	55.EG VUV Divertor - PA annex B
ITER Document	55.E3 VUV Core Survey - PA annex B
ITER Document	55. F2 - Low Field Side Reflectometry - PA annex B
ITER Document	AnnexB_55ED_XRCS_Survey
not given	Annexes of French Order dated December 12th 2005
ГОСТ 2.004-88	(Russian State Standard) Unified system for design documentation. General requirements for performing design and technological documentation on printing and graphical output devices of computers
ГОСТ 2.309-73	(Russian State Standard) Designations system for design documentation. Designations of surface finish
ГОСТ 2.308-2011	(Russian State Standard) Unified system of design documentation. Representation of limits of forms and surface lay-out on drawings
ГОСТ 2.306-68	(Russian State Standard) Unified system for design documentation. Graphical designations of materials and rules for their representation
ГОСТ 2.305-2008	(Russian State Standard) Unified system for design documentation. Images - appearance, sections, profiles

Diagnostics	
ГОСТ 2.301-68	(Russian State Standard) Unified system for design documentation. Formats
ГОСТ 2.111-2013	(Russian State Standard) Unified system for design documentation. Normocontrol
ГОСТ 2.109-73	(Russian State Standard) Unified system for design documentation. Basic requirements for drawings
ГОСТ 2.105-2019	(Russian State Standard) Unified system for design documentation. General requirements for textual documents
ГОСТ 2.501-2013	(Russian State Standard) Unified system for design documentation. Registration and storage rules
ГОСТ 2.102-2013	(Russian State Standard) Unified system for design documentation. Types and sets of design documentations
ГОСТ 2.307-2011	(Russian State Standard) Unified system of design documentation. Drawing of dimensions and limit deviations
ГОСТ 2.317-2011	(Russian State Standard) Unified system for design documentation. Axonometric projections
ГОСТ 2.104-2006	(Russian State Standard) Unified system for design documentation. Basic inscriptions
ГОСТ 2.503-2013	(Russian State Standard) Unified system of design documentation. Rules of making modifications
IEC 61158-1:2019	Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series
ISO 17635:2016	Non-destructive Testing of Welds - General Rules for Fusion Welds in Metallic Materials
ISO 3369:2006	Impermeable sintered metal materials and hardmetals - Determination of density
ISO 15609-1:2019	Specification and Qualification of Welding Procedures for Metallic Materials - Welding Procedure Specification - Part 1: Arc Welding

Diagnostics	
ISO 15614-1:2017	Specification and qualification of welding procedures for metallic materials Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
ISO 17639:2003	Destructive Tests on Welds in Metallic Materials - Macroscopic and Microscopic Examination of Welds
ISO 6520-2:2013	Welding and allied processes - Classification of geometric imperfections in metallic materials - Part 2: Welding with pressure
ISO 197-1:1983	Copper and Copper alloys - Part 1: Materials
ISO 17672:2016	Brazing - Filler metals
ISO 17640:2018	Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment
ISO 643:2019	Steels Micrographic determination of the apparent grain size
ISO 4499-4:2016	Hardmetals - Metallographic determination of microstructure - Part 4: Characterisation of porosity, carbon defects and eta-phase content
ISO 5817:2014	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
ISO 23277:2015	Non-destructive testing of welds - Penetrant testing - Acceptance levels
ISO 22007-2:2015	Plastics - Determination of thermal conductivity and thermal diffusivity - Part 2: Transient plane heat source (hot disc) method
ISO 6506-1:2014	Metallic materials - Brinell hardness test - Part 1: Test method
ISO 7000:2019	Graphical symbols for use on equipment - Registered symbols
IEC/TR 61000-5-2:199	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines - Section 2: Earthing and cabling

Diagnostics	
ISO 3452-1:2013	Non-destructive testing - Penetrant testing - Part 1: General principles
ISO 3651-2:1998	Determination of resistance to intergranular corrosion of stainless steels - Part 2: Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels - Corrosion test in media containing sulfuric acid
ISO 6947:2019	Welding and allied processes - Welding positions
ISO 6892-2:2018	Metallic materials - Tensile testing - Part 2: Method of test at elevated temperature
ISO 6892-1:2019	Metallic materials - Tensile testing - Part 1: Method of test at room temperature
IEC 61850-3:2013	Communication networks and systems for power utility automation - Part 3: General requirements
ISO 148-1:2016	Metallic materials - Charpy pendulum impact test - Part 1: Test method
ISO 18279:2003	Brazing - Imperfections in brazed joints
ISO/IEC/IEEE 29148:2018	Systems and software engineering - Life cycle processes - Requirements engineering
ITER Document	Procedure for Analyses and Calculations
ITER Document	ITER Procurement Quality Requirements
ITER Document	Order dated 7 February 2012 relating to the general technical regulations applicable to INB - EN
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part1: Design Criteria
ITER Document	System Design Description (DDD) 55.F9 Reflectometry High Field Side
ITER Document	ITER Seismic Nuclear Safety Approach
ITER Document	RFDA Quality Assurance Program edition 5.3 2022

Diagnostics	
ITER Document	Safety Important Functions and Components Classification Criteria and Methodology
ITER Document	Instructions for ITER System Load Specifications
ITER Document	Quality Classification Determination
ITER Document	Heat and Nuclear Load Specifications
ITER Document	55.F9-High Field Side Reflectometry - PA AnnexB
ITER Document	5.5.P1.RF.01 Annex A
ITER Document	SRD-45 (CODAC) from DOORS
ITER Document	MPH Material Properties Handbook
ISO 9712:2012	Non-destructive testing - Qualification and certification of NDT personnel
ANSI/ISA-5.1-2009	Standard for Instrumentation Symbols and Identification
ASTM A479/A479M-19	Standard Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels
ASTM A240/A240M-19	Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
ASME BPVC	ASME Boiler and Pressure Vessel Code (BPVC)
ASTM E1004-17	Standard Test Method for Determining Electrical Conductivity Using the Electromagnetic (Eddy Current) Method
ASTM E228-17	Standard Test Method for Linear Thermal Expansion of Solid Materials With a Push-Rod Dilatometer
ASTM E60-11	Standard Practice for Analysis of Metals, Ores, and Related Materials by Spectrophotometry
ASME BPVC Sec. IX - Edition 2015	ASME Boiler and Pressure Vessel Code (BPVC) - Section IX - Qualification Standard for Welding, Brazing, and Fusing
EN 12799:2000	Brazing. Non-destructive examination of brazed joints

Diagnostics	
EN 10049:2013	Measurement of roughness average Ra and peak count RPc on metallic flat products
EN 60404-15:2012+A1:2017	Magnetic materials. Methods for the determination of the relative magnetic permeability of feebly magnetic materials
EN 13018:2016	Non-destructive testing - Visual testing - General principles
EN 13445-4:2014+A1:2016	Unfired pressure vessels - Part 4: Fabrication
EN 13445-5:2014+A1:2018	Unfired pressure vessels - Part 5: Inspection and testing
EN 10088-3:2014	Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes
EN 13445-2:2014+A3:2018	Unfired pressure vessels - Part 2: Materials
EN 10204:2004	Metallic products. Type of inspection documents
ГОСТ 8.417-2002	(Russian State Standard) State system for ensuring the uniformity of measurements. Units of quantities
ГОСТ 8278-83	(Russian State Standard) Steel roll-formed equal channels. Dimensions
ГОСТ 5267.1-90	(Russian State Standard) Channels. Dimensions
ГОСТ 30893.1-2002 (ISO 2768-1-89)	(Russian State Standard) Basic norms of interchangeability. General tolerances. Limit deviations for linear and angular dimensions without tolerance indications
ГОСТ 2789-73	(Russian State Standard) Surface roughness. Parameters and characteristics
ГОСТ 25347-2013 (ISO 286-2-2010)	(Russian State Standard) Basic norms of interchangeability. Geometrical product specifications. System for tolerances on linear sizes, Series of tolerances, limit deviations for holes and shafts
ГОСТ Р 53089-2008 (ISO 5458:1998)	(Russian State Standard) Basic norms of interchangeability. Geometrical product specifications. Positional tolerancing
ГОСТ 8240-97	(Russian State Standard) Hot-rolled steel channels. Assortment

Diagnostics	
ГОСТ 24643-81	(Russian State Standard) Basic norms of interchangeability. Tolerances of form and position of surfaces. Numerical values
ГОСТ 25346-89 (ISO 286-1-88)	(Russian State Standard) Basic norms of interchangeability. Unified system of tolerances and fits. General, series of tolerances and fundamental deviations
ГОСТ Р 53442-2015 (ISO 1101:2012)	(Russian State Standard) Basic norms of interchangeability. Geometrical product specifications. Tolerances of form, orientation, location and runout
ITER Document	ITER Practice for Windows
Standard equivalent to ASME BPVC Sec. VIII Div.2	not given
not given	Defined in the Annex B of the Diagnostics or Systems

3.12 Divertor

Divertor	
EN ISO 3452-2	Non-destructive testing. Penetrant testing - Part 2: Testing of penetrant materials
EN ISO 3452-3	Non-destructive testing. Penetrant testing.Part 3: Reference test blocks
EN ISO 3834-1	Quality requirements for fusion welding of metallic materials - Part 1: Criteria for the selection of the appropriate level of quality requirements
EN ISO 3834-2	Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements
EN ISO 5817	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
EN ISO 13919-1	Welding. Electrons and laser beam welded joints. Guidance on quality levels for imperfections - Part 1: steel
EN ISO 3834-5	Quality requirements for fusion welding of metallic materials - Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, 3834-3 or ISO 3834-4
EN ISO 6520-1	Welding and allied processes. Classification of geometric imperfections in metallic materials. Fusion welding
EN ISO 15609	Specification and qualification of welding procedures for metallic materials - Welding procedure specification
EN ISO 8249	Welding - Determination of Ferrite Number (FN) in austenitic and duplex ferritic-austenitic Cr-Ni stainless steel weld metals
EN ISO 22825	Non-destructive testing - Ultrasonic testing - Testing of welds in austenitic steel and nickel-based alloys
EN ISO 15614	Specification and qualification of welding procedures for metallic materials - Welding procedure test
EN 13445-5	Unfired pressure vessels - Part 5: Inspection and testing

Divertor	
EN 12062	Non-destructive examination of welds. General rules for metallic materials
EN 970	Non destructive examination of fusion welds. Visual examination
EN 473	Non-destructive testing - Qualification and certification of NDT personnel
EN 1435	Non-destructive testing of welds - Radiographic testing of welded joints
EN 571-1	Non-destructive testing - Penetrant testing - Part 1: General principles
EN 13445-4	Unfired pressure vessels - Part 4: Fabrication
EN ISO 15607	Specification and qualification of welding procedures for metallic materials - General rules
EN 287-1	Qualification test of welders - Fusion welding - Part 1: Steels
EN 583-1	Non-destructive testing - Ultrasonic examination - Part 1: General principles
EN 14532-1	Welding consumables - Test methods and quality requirements - Part 1: Primary methods and conformity assessment of consumables for steel, nickel and nickel alloys
EN 10204	Metallic products. Type of inspection documents
EN 1418	Welding personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN 13445-1	Unfired pressure vessels - Part 1: General
EN 1708-1	Welding - Basic welded joint details in steel - Part 1: Pressurized components
EN 1321	Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds

Divertor	
EN 13445-3	Unfired pressure vessels - Part 3: Design
EN 14532-2	Welding consumables - Test methods and quality requirements - Part 2: Supplementary methods and conformity assessment of consumables for steel, nickel and nickel alloys
EN 13445-2	Unfired pressure vessels - Part 2: Materials
not given	Welding Journal, 76(1): 24-s to 37-s, 1997
not given	Welding Journal, 61(11): 352-s to 361-s, 1982
EN ISO 8249:2000	Welding - Determination of Ferrite Number (FN) in austenitic and duplex ferritic-austenitic Cr-Ni stainless steel weld metals
EN ISO 3834-2:2005	Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements
EN ISO 544:2011	Welding consumables - Technical delivery conditions for filler materials and fluxes - Type of product, dimensions, tolerances and markings
EN ISO 17635:2016	Non-destructive examination of welds. General rules for metallic materials
EN ISO 3834-3:2005	Quality requirements for fusion welding of metallic materials - Part 3: Standard quality requirements
EN ISO 15609-3:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 3: Electron beam welding
EN ISO 3452-1:2013	Non-destructive testing. Penetrant testing - Part 1: General principles
EN ISO/IEC 17020:2012	Conformity assessment - Requirements for the operation of various types of bodies performing inspection
EN ISO 9712:2012	Non-destructive testing - Qualification and certification of NDT personnel

Divertor	
EN ISO 15609-1:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding
EN ISO 9606-1:2013	Qualification test of welders - Fusion welding - Part1: Steels
EN ISO 17655:2003	Destructive tests on welds in metallic materials - Method for taking samples for delta ferrite measurement
EN ISO 5173:2010+A1:2011	Destructive tests on welds in metallic materials - Bend tests
EN ISO 15613:2004	Specification and qualification of welding procedures for metallic materials - Qualification based on pre-production welding test
EN ISO 17639:2013	Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds
EN ISO 17640-1:2010	Non-destructive testing - Ultrasonic examination - Part 1: General principles
EN ISO 17637:2016	Non-destructive examination of fusion welds - Visual examination
EN ISO 9016:2012	Destructive tests on welds in metallic materials - Impact tests - Test specimen location, notch orientation and examination
EN ISO 5817:2014	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
EN ISO 17636-1:2013	Non-destructive testing of welds - Radiographic testing - Part 1: X-and Gamma-ray techniques with film
EN ISO 13919-1:1996	Welding. Electrons and laser beam welded joints. Guidance on quality levels for imperfections - Part 1: steel
EN ISO 15614-1:2004/Amd 1:2008/Amd 2:2012	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys

Divertor	
EN ISO 15607:2003	Specification and qualification of welding procedures for metallic materials - General rules
EN ISO 14732:2013	Welding Personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN ISO 14731:2006	Welding coordination - Tasks and responsibilities
EN ISO 15614-11:2002	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 11: electron and laser beam welding
ISO 2768-2	General tolerances - Part 2: Geometrical tolerances for features without individual tolerance indications
ISO 6520-1:2007	Welding and allied processes - Classification of geometric imperfections in metallic materials - Part 1: Fusion welding
ISO 4136:2012	Destructive tests on welds in metallic materials - Transverse tensile test
ISO 22825:2012	Non-destructive testing - Ultrasonic testing - Testing of welds in austenitic steel and nickel-based alloys
ISO 13185	Room Temperature Helium Leak Test
ISO 2768-1:1989	General tolerances - Part 1: Tolerances for linear and angular dimensions without individual tolerance indications
ISO/IEC 17024:2012	Conformity assessment - General requirements for bodies operating certification of persons
ITER Document	ITER Vacuum Handbook
ASME BPVC Sec. II - Edition 2015	ASME Boiler and Pressure Vessel Code (BPVC) - Section II - Materials
EN 13445-5:2014	Unfired pressure vessels - Part 5: Inspection and testing
CEN ISO/TR 15608:2013	Welding - Guidelines for a metallic material grouping system
DIN 25410:2012	Nuclear facilities - Surface cleanliness of components

Divertor	
EN 14532-2:2004	Welding consumables - Test methods and quality requirements Part 2: Supplementary methods and conformity assessment of consumables for steel, nickel and nickel alloys
EN 10204:2005	Metallic products. Type of inspection documents
EN 1708-1:2010	Welding - Basic welded joint details in steel - Part 1: Pressurized components
EN 13445-2:2014/A1:2016	Unfired pressure vessels - Part 2: Materials
EN 13445-1:2014/A1:2014	Unfired pressure vessels - Part 1: General
EN 1011-3:2000/A1:2003	Welding - Recommendations for welding of metallic materials - Part 3: Arc welding of stainless steels
EN 14532-1:2004	Welding consumables - Test methods and quality requirements Part 1: Primary methods and conformity assessment of consumables for steel, nickel and nickel alloys
EN 1011-1:2009	Welding - Recommendations for welding of metallic materials - Part 1: general guidance for arc welding
EN 13445-4:2014/A1:2016	Unfired pressure vessels - Part 4: Fabrication
EN 10204:2004	Metallic products. Type of inspection documents
EN 13445-3:2014/A1:2015/A2:2016	Unfired pressure vessels - Part 3: Design
EN 13185:2001/A1:2003	Non destructive testing - Leak testing - Tracer gas method
EN 1011-7:2004	Welding - Recommendations for welding of metallic materials - Part 3: Electron beam welding
ITER Document	ITER Remote Handling Code of Practice
ITER Document	Material Properties Handbook (MPH)
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	In-vessel Components, SDC-IC

Divertor	
ITER Document	Electrical Design Handbook (EDH)
ITER Document	Plant Control Design Handbook
ITER materials technical specifications	not given
ASME B36.19M:2004	Stainless Steel Pipes

3.13 Electrical Power Supply and Distribution System

Electrical Power Supply and Distribution System	
not given	not given
IEC 60071-5	Insulation co-ordination - Part 5: procedures for high-voltage direct current (HVDC) converter stations
IEC 60076-3	Power transformers - Part 3: Insulation levels, dielectric tests and external clearances in air
IEC 60071-4	Insulation co-ordination - Part 4: Computational guide to insulation co-ordination and modelling of electrical networks
IEC 60071-2	Insulation co-ordination - Part 2: Application guidelines
IEC 60076-4	Power transformers - Part 4: Guide to the lightning impulse and switching impulse testing - Power transformers and reactors
HD 637 S1	Power installations exceeding 1 kV a.c
IEC 60265-2	High-voltage switches - Part 2: High-voltage switches for rated voltages of 52 kV and above
IEC 60076-2	Power transformers - Part 2: Temperature rise for liquid-immersed transformers
IEC 60076-11	Power transformers - Part 11: Dry-type transformers
IEC 60076-10	Power transformers - Part 10: Determination of sound levels
IEC 60137	Insulated bushings for alternating voltages above 1 000 V
IEC 60076-7	Power transformers - Part 7: Loading guide for mineral-oil-immersed power transformers
IEC 60076-1	Power transformers - Part 1: General
IEC 60076-5	Power Transformers - Part 5: Ability To Withstand Short Circuit
IEC 60068-1	Environmental testing - Part 1: general and guidance
IEC 60068-2-2	Basic environmental testing procedures - Part 2: tests - Test B: dry heat
IEC 60282-2	High-voltage fuses - Part 2: Expulsion fuses

Electrical Power Supply and Distribution System	
IEC 60068-3-3	Environmental testing - Part 3-3: Supporting documentation and guidance - Seismic test methods for equipment
IEC 60068-2-1	Environmental testing - Part 2-1: Tests - Test A: Cold
IEC 60060-1	High-voltage test techniques - Part 1: general definitions and test requirements
IEC 60255	Measuring relays and protection equipment
IEC 60034	Rotating electrical machines
IEC 60044-1	Instrument transformers - Part 1: current transformers
IEC 60044-2	Instrument transformers - Part 2: inductive voltage transformers
IEC 60044-6	Instrument transformers - Part 6: Requirements for protective current transformers for transient performance
IEC 60044-8	Instrument transformers - Part 8: Electronic current transformers
IEC 60060-2	High-voltage test techniques - Part 2: measuring systems
IEC 60282-1	High-voltage fuses - Part 1: Current-limiting fuses
IEC 60055	Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables)
IEC 60099-4	Surge arresters - Part 4: Metal-oxide surge arresters without gaps for a.c. systems
IEC 60068-2-30	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 + 12 h cycle)
IEC 60099-5	Surge arresters - Part 5: Selection and application recommendations
IEC 60099-3	Surge arresters - Part 3: artificial pollution testingof surge arresters
IEC 60099-1	Surge arresters - Part 1: Non-linear resistor type gapped surge arresters for a.c. systems

Electrical Power Supply and Distribution System	
HD 538.2 S1	Three-phase dry-type distribution transformers 50 Hz, from 100 to 2500 kVA, with highest voltage for equipment not exceeding 36 kV - Part 2: Supplementary requirements for transformers with highest voltage for equipment equal to 36 kV
IEC 60079-7	Power transformers - Part 7: Loading guide for mineral-oil-immersed power transformers
IEC 60071-1	Insulation co-ordination - Part 1: Definitions, principles and rules
IEC 60265-1	High-voltage switches - Part 1: Switches for rated voltages above 1 kV and less than 52 kV
IEC 60068-2-57	Environmental testing - Part 2-57: Tests - Test Ff: Vibration - Time-history and sine-beat method
IEC 60068-2-6	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)
IEC 60141	Tests on oil-filled and gas-pressure cables and their accessories
IEC 61140	Protection against electrical shock - Common aspects for installation and equipment
IEC 61000-5	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines
IEC 60529	Degrees of protection provided by enclosures (IP code)
IEC 60507	Artificial pollution tests on high-voltage ceramic and glass insulators to be used on a.c. systems
IEC 61000-4-2	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
IEC 60780	Nuclear power plants - Electrical equipment of the safety system - Qualification
IEC 61249-2-21	Materials for printed boards and other interconnecting structures - Part 2-21: Reinforced base materials, clad and unclad - Non-halogenated epoxide woven E-glass reinforced laminated sheets of defined flammability (vertical burning test), copper-clad

Electrical Power Supply and Distribution System	
IEC 60754-1	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content
IEC 60980	Recommended practices for seismic qualification of electrical equipment of the safety system for nuclear generating stations
IEC 60721-2-1	Classification of environmental conditions - Part 2-1: Environmental conditions appearing in nature - Temperature and humidity
IEC 61000-6-4	Electromagnetic compatibility (EMC) - Part 6-4: generic standards - Emission standard for industrial environments
IEC 60950-1	Information technology equipment - Safety - Part 1: General requirements
IEC 60950	Safety of information technology equipment
IEC 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
IEC 60664-1	Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests
IEC 61000-4-17	Electromagnetic compatibility (EMC) - Part 4-17: Testing and measurement techniques - Ripple on d.c. input power port immunity test
IEC 61056-2	General purpose lead-acide batteries (valve-regulated types) - Part 2: dimensions, terminals, and marking
IEC 60695-11-10	Fire hazard testing - Part 11-10: Test flames - 50 W horizontal and vertical flame test methods
IEC 60695-11-20	Fire hazard testing - Part 11-20: Test flames - 500 W flame test method
IEC 60695-2	Fire hazard testing - Part 2: test methods
IEC 60551	Determination of transformer and reactor sound levels
IEC 60296	Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear
IEC 61056-1	General purpose lead-acid batteries (valve-regulated types) - Part 1: general requirements, functional characteristics - Methods of test

Electrical Power Supply and Distribution System	
IEC 60364	Low-voltage electrical installations
IEC 60404-8-7	Magnetic materials - Part 8-7: Specifications for individual materials - Cold-rolled grain-oriented electrical steel strip and sheet delivered in the fully-processed state
IEC 60896-21	Stationary lead-acid batteries - Part 21: Valve regulated types - Methods of test
IEC 60905	Loading guide for dry-type power transformers
IEC 60815	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions
IEC 60754	Test on gases evolved during combustion of materials from cables
IEC 60479	Effects of current on human beings and livestock
IEC 60896-11	Stationary lead-acid batteries - Part 11: vented types - Genral requirements and methods of tests
IEC 61131-3	Programmable controllers - Part 3: Programming languages
IEC 60439-1	Low-voltage switchgear and controlgear assemblies - Part 1: Type-tested and partially type-tested assemblies
IEC 60470	High-voltage alternating current contactors and contactor-based motor-starters
IEC 62040-1-2	Uninterruptible power systems (UPS) - Part 1-2: general and safety requirements for UPS used in restricted access locations
IEC 62040-2	Uninterruptible power systems (UPS) - Part 2: electromagnetic compatibility (EMC) requirements
IEC 62040-1-1	Uninterruptible power systems (UPS) - Part 1-1: general and safety requirements for UPS used in operator access areas
IEC 61936	Power installations exceeding 1 kV a.c
IEC 61958	High-voltage prefabricated switchgear and controlgear assemblies - Voltage presence indicating systems

Electrical Power Supply and Distribution System	
IEC 62271-301	High-voltage switchgear and controlgear - Part 301: Dimensional standardisation of high-voltage terminals
IEC 62271-102	High-voltage switchgear and controlgear - Part 102: alternating current disconnectors and earthing switches
IEC 62040-3	Uninterruptible power systems (UPS) - Part 3: method of specifying the performance and test requirements
IEC 62271-1	High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear
IEC 62305-3	Protection against lightning - Part 3: Physical damage to structures and life hazard
IEC 62271-100	High-voltage switchgear and control gear - Part 100: High-voltage alternating-current circuitbreakers
IEC 62305-1/C 17-100-1	Protection against lightning - Part 1: General principles
IEC 62271-105	High-voltage switchgear and controlgear - Part 105: Alternating current switch-fuse combinations for rated voltages above 1 kV up to and including 52 kV
IEC 62271-200	High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV
IEC 62271-201	High-voltage switchgear and controlgear - Part 201: AC solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV
IEC 62271-203	High-voltage switchgear and controlgear - Part 203: AC gas-insulated metal-enclosed switchgear for rated voltages above 52 kV
IEC 62271-300	High-voltage switchgear and controlgear - Part 300: Seismic qualification of alternating current circuit-breakers
ISO 14001	Environmental Management Systems
ISO 9001	Quality management systems - Requirements
NF C 13-000	Power installations exceeding 1 kV a.c

Electrical Power Supply and Distribution System	
NF C 13-200	High voltage electrical installations for electrical energy production sites, industrial, commercial and agricultural sites
NF C 15-100	Low-voltage electrical installations
ITER Document	Electrical Design Handbook (EDH)
IEC 60672-3	Ceramic and glass-insulating materials - Part 3: Specifications for individual materials
EN 55022	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
NF C 52-112/NF EN 50464	Three-phase oil-immersed distribution transformers, 50 hz, from 50 to 2500 kVA, with highest voltage for equipment not exceeding 36 kV
NF C 52-100:1990	Power transformers
NF C 28-920	not given
NF EN 60439-1	Low-voltage switchgear and controlgear assemblies - Part 1: type-tested and partially type-tested assemblies
ITER Document	Plant Control Design Handbook for Nuclear control systems
ITER Document	Plant Control Design Handbook
ITER Document	EDH Part 3: Codes & Standards
ITER Document	Codes and Standards for ITER Mechanical Components
NFC 15-100	Installations électriques à basse tension
NFC 13-200	Installations électriques à haute tension règles
IEC 60044-7	Instrument transformers - Part 7: Electronic voltage transformers

Electrical Power Supply and Distribution System	
IEC 60146-1-1	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specifications of basic requirements
IEC 61000-4-8	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
IEC 61000-4-3	Electromagnetic compatibility (EMC) - Part 4-3: testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test
IEC 60502-2	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) - Part 2: Cables for rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)
IEC 60332-1-2	Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame
IEC 60332-3-21	Tests on electric and optical fibre cables under fire conditions - Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A F/R
IEC 60754-2	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 60332-3	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEEE Std. 101	IEEE Guide for the Statistical Analysis of Thermal Life Test Data
IEC 61850-9-2	Communication networks and systems for power utility automation - Part 9-2: Specific communication service mapping (SCSM) - Sampled values over ISO/IEC 8802-3
ITER Document	EDH Part 5: Earthing and Lightning Protection
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)
ITER Document	SRD-41 (Coil Power Supply and Distribution) from DOORS
CISPR 22	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement

Electrical Power Supply and Distribution System	
EN 10204	Metallic products. Type of inspection documents
DOD-STD-1399 S070	Interface standard for shipboard systems - Section 070
RCC-E	Design and construction rules for electrical equipment of nuclear islands
ITER Document	Preliminary Safety Report

3.14 Electron Cyclotron Heating and Current Drive System

Electron Cyclotron Heating and Current Drive System	
PCDH	not given
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	Chemical composition and impurity requirements for materials
ITER Document	Electrical Design Handbook (EDH)
ITER Document	In-vessel Components, SDC-IC
ITER Document	Plant Control Design Handbook
ITER Document	EDH Part 1: Introduction
ITER Document	SRD-52 (ECH&CD) from DOORS
ITER Document	Tritium Handbook
ITER Document	EDH Part 3: Codes & Standards
ITER Document	ITER Vacuum Handbook
ASME B46.1	Surface Texture (Surface Roughness, Waviness, and Lay)
DIN EN ISO 4287	Geometrical Product Specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters
IEEC C95-1-1991	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
ITER Document	MPH Material Properties Handbook
ITER Document	Structural Design Criteria - General Section
EN 55011:2007	Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement
NF C 13-200	High voltage electrical installations for electrical energy production sites, industrial, commercial and agricultural sites

Electron Cyclotron Heating and Current Drive System	
NF C 15-100	Low-voltage electrical installations
Directive 2014/68/EU	Directive 2014/68/UE du parlement européen et du Conseil du 15 mai 2014 relative à l'harmonisation des législations des Etats membres concernant la mise à disposition sur le marché des équipements sous pression
Directive 2004/108/EC	Electromagnetic Compatibility (EMC)
Directive 2006/95/EC	Harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits
Directive 1999/5/EC	Radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity
Décret 2002-775	Décret n°2002-775 du 3 mai 2002 pris en application du 12° de l'article L. 32 du code des postes et télécommunications et relatif aux valeurs limites d'exposition du public aux champs électromagnétiques émis par les équipements utilisés dans les réseaux d
Directive 1999/519/EC	Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)
not given	ESP French Decree on classification and evaluation of the conformity of pressure equipment, 21st December 1999
not given	ESPN French Order concerning nuclear pressure equipment, 12 December 2005
ASME B36.10	Welded and seamless wrought steel pipes
ANSI/ASME B16.25	Pipe, valve, fitting and flange butt weld ends
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME B31.1	Power Piping
EJMA	Standards of the expansion joint manufacturers association
ASME BPVC Sec. IX	ASME Boiler and Pressure Vessel Code (BPVC) - Section IX - Qualification Standard for Welding, Brazing, and Fusing

Electron Cyclotron Heating and Current Drive System	
ASME B36.19	Stainless steel pipes
ASME B31.3	Process Piping
ANSI/ASME B16.34	Valves - flanged, threaded, and welding end
IEC	not given
ITER Document	EDH Guide C: Electrical Installations for EPS Client Systems
ITER Document	EDH Guide A: Electrical Installations for SSEN Client Systems
IEC 60146-1-1	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specifications of basic requirements
IEC 60071-1	Insulation co-ordination - Part 1: Definitions, principles and rules
IEC 60204-11	Safety of machinery - Electrical equipment of machines - Part 11: Requirements for equipment for voltages above 1 000 V AC or 1 500 V DC and not exceeding 36 kV
IEC 60076-11	Power transformers - Part 11: Dry-type transformers
IEC 60287	Electric cables - Calculation of the current rating
IEC 60332-3	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 60332-1	Tests on electric and optical fibre cables under fire conditions - Part 1: Test for vertical flame propagation for a single insulated wire or cable
IEC 60332	Tests on electric and optical fibre cables under fire conditions
IEC 61000-5-7	Electromagnetic compatibility (EMC) - Part 5-7: Installation and mitigation guidelines - Degrees of protection provided by enclosures against electromagnetic disturbances (EM code)
IEC 60502	Power cables with extruded insulation and their accessories for rated voltages from 1 kV up to 30kV

Electron Cyclotron Heating and Current Drive System	
IEC 60332-2	Tests on electric and optical fibre cables under fire conditions - Part 2: Test for vertical flame propagation for a single small insulated wire or cable
IEC 60529	Degrees of protection provided by enclosures (IP code)
IEC 60754	Test on gases evolved during combustion of materials from cables
IEC 61100	Classification of insulating liquids according to fire-point and net calorific value
IEC 60480	Guidelines for the checking and treatment of sulphur hexafluoride (SF6) taken from electrical equipment and specification for its re-use
IEC 61000-4	Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques
IEC 60840	Power cables with extruded insulation and their accessories for rated voltages above 30 kV (Um= 36 kV) up to 150 kV (Um = 170 kV) - Test methods and requirements
IEC 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
IEC 61378	Converter transformers
IEC 61936	Power installations exceeding 1 kV a.c
IEC 62271-200	High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV
IEC 62271	High-voltage switchgear and controlgear
IEC 61800-3	Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods
IEC 61508	Functional safety of electrical/electronic/programmable electronic safety-related systems
IEC 62271-102	High-voltage switchgear and controlgear - Part 102: alternating current disconnectors and earthing switches

Electron Cyclotron Heating and Current Drive System	
ITER Document	SRD-43 (Steady State Electric Power Supply Networks) from DOORS
ITER Document	System Requirements Document SRD 63-15 RF Heating Building
NF C 13-000	Power installations exceeding 1 kV a.c
ITER Document	SRD-41 (Coil Power Supply and Distribution) from DOORS
IEC 61140	Protection against electrical shock - Common aspects for installation and equipment
IEC 60479	Effects of current on human beings and livestock
IEC 62271-1	High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear
Standard equivalent to 2014/30/EU (EMCD)	not given
RCC-MR	Rules for design and construction of fast breeder liquid metal cooled reactors
RCC-MRx	Design and Construction Rules for mechanical components of nuclear installations: high-temperature, research and fusion reactors
ICNIPR (http://www.icnirp.org/)	not given
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part1: Design Criteria
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part 2: Construction
ANSI/AISC 360	Specification for Structural Steel Buildings
ANSI/AISC N690	Specification for Safety-Related Steel Structures for Nuclear Facilities

Electron Cyclotron Heating and Current Drive System	
Directive 2014/35/EU	Harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits
NF C 32-070	Insulated cables and flexible cords for installations - Classification tests on cables and cords with respect to their behaviour to fire

3.15 Fuelling and wall conditioning

Fuelling and wall conditioning	
not given	ITER Tritium Handbook
EN Standards	not given
IEC 60754-2	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 61000	Electromagnetic compatibility (EMC)
IEC 60332-1	Tests on electric and optical fibre cables under fire conditions - Part 1: Test for vertical flame propagation for a single insulated wire or cable
IEC 61034	Measurement of smoke density of cables burning under defined conditions
IEC 60754-1	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content
ITER Document	EDH Part 3: Codes & Standards
ITER Document	ITER Vacuum Handbook
ITER Document	Plant Control Design Handbook
ITER Document	Material Properties Handbook (MPH)
ITER Document	EDH Part 1: Introduction
ITER Document	ITER Fire Safety Approach
ITER Document	Tritium Handbook
ITER Document	Occupational Safety and Health
ITER Document	Plant Control Design Handbook for Nuclear control systems
ITER Document	Electrical Design Handbook (EDH)
EJMA	Standards of the expansion joint manufacturers association
ASME B31.3	Process Piping

Fuelling and wall conditioning	
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME Standard Qualification	not given
ASME B73.1M	Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process
ASME B31.3/EJMA	Process Piping
ASME	ASME Codes and Standards
ASME QME	ASME Standard Qualification of Active Mechanical Equipment used in nuclear power plant
ASME Standard	ASME Qualification of Active Mechanical Equipment used in nuclear power plant
ASME OM	ASME Codes and Standards for Operation and Maintenance of Nuclear Power Plant
ASME B73.2M	Specification for Vertical In-Line Centrifugal Pumps for Chemical Process
ASME B16.34	Valves - Flanged, Threaded and Welding End
EN 1626:1999	Cryogenic vessels - Valves for cryogenic service
EN 13648-3:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 3: Determination of required discharge - Capacity and sizing
EN 13648-2:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices for cryogenic service
EN 1797:2001	Cryogenic vessels - Gas/material compatibility
EN 14197-1:2003	Cryogenic vessels - Static non-vacuum insulated vessels - Part 1: Fundamental requirements
EN 14197-2:2003	Cryogenic vessels - Static non-vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing

Fuelling and wall conditioning	
EN 14197-3:2004	Cryogenic vessels - Static non-vacuum insulated vessels - Part 3: Operational requirements
EN 13648-1:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service
EN 13458-2:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing
EN 12434:2000	Cryogenic vessels - Cryogenic flexible hoses
EN 1252-1:1998	Cryogenic vessels- Materials- Part I: Toughness requirements for temperatures below -80 C
EN 1252-2:2001	Cryogenic vessels - Materials - Part 2: Toughness requirements for temperatures between -80°C and -20°C
EN 13371:2001	Cryogenic vessels - Couplings for cryogenic service
EN 13458-1:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 1: Fundamental requirements
EN 13458-3:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 3: Operational requirements

3.16 General & Miscellaneous

General & Miscellaneous	
ISO 9934-2	Non-destructive testing - Magnetic particle testing - Part 2: detection media
ISO 9606-2	Qualification test of welders-Fusion welding-Part 2: aluminium and aluminium alloys
ISO 9934	Non-destructive testing - Magnetic particle testing
ISO 9934-1	Non-destructive testing - Magnetic particle testing - Part 1: general principles
ISO 9934-3	Non-destructive testing - Magnetic particle testing - Part 3: equipment
NF EN ISO 1127:1996	Stainless steel tubes - Dimensions, tolerances and conventional masses per unit length
NF EN13480	Metallic industrial piping
IEC 60034-2	Rotating electrical machines - Part 2: methods for determining losses and efficiency of rotating electrical machinery from tests (excluding machines for traction vehicles)
IEC 60068-3-3	Environmental testing - Part 3-3: Supporting documentation and guidance - Seismic test methods for equipment
IEC 60146-1-3	Semiconductor converters - General requirements and line commutated converters - Part 1-3: Transformer and reactors
IEC 60146-1-1	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specifications of basic requirements
IEC 60137	Insulated bushings for alternating voltages above 1 000 V
IEC 60099-5	Surge arresters - Part 5: Selection and application recommendations
IEC 60146-2	Semiconductor converters - Part 2: Self-commutated semiconductor converters including direct d.c. converters
IEC 60068-1	Environmental testing - Part 1: general and guidance

General & Miscellaneous	
IEC 60204-1	Safety of machinery - Electrical equipment of machines - Part 1: general requirements
IEC 60183	Guide to the selection of high-voltage cables
IEC 60085	Electrical insulation - Thermal evaluation and designation
IEC 60099-4	Surge arresters - Part 4: Metal-oxide surge arresters without gaps for a.c. systems
IEC 60099-3	Surge arresters - Part 3: artificial pollution testingof surge arresters
IEC 60099-1	Surge arresters - Part 1: Non-linear resistor type gapped surge arresters for a.c. systems
IEC 60068-2-59	Environmental testing-Part 2-57: Tests -Test Ff: Sine-Beat method
IEC 60093	Methods of Test for Volume Resistivity and Surface Resistivity of Solid Electrical Insulating Materials
IEC 60071	Insulation co-ordination
IEC 60068-2-14	Environmental testing-Part 2: Tests -Test N: Change of temperature
IEC 60068-2	Basic environmental testing procedures - Part 2: tests
IEC 60068-2-2	Basic environmental testing procedures - Part 2: tests - Test B: dry heat
IEC 60204-11	Safety of machinery - Electrical equipment of machines - Part 11: Requirements for equipment for voltages above 1 000 V AC or 1 500 V DC and not exceeding 36 kV
IEC 60068-2-30	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 + 12 h cycle)
IEC 60228	Conductors of insulated cables
IEC 60068-2-1	Environmental testing - Part 2-1: Tests - Test A: Cold
IEC 60243	Electrical strength of insulating materials. Test methods
IEC 60068-2-6	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)

General & Miscellaneous	
IEC 60227	Polyvinyl chloride insulated cables of rated voltages UP to and including 450/750 V
IEC 60216-2	Electrical insulating materials - Thermal endurance properties - Part 2: Determination of thermal endurance properties of electrical insulating materials - Choice of test criteria
IEC 60216-1	Electrical insulating materials - Thermal endurance properties - Part 1: Ageing procedures and evaluation of test results
IEC 60216	Electrical insulating materials - Thermal endurance properties
IEC 60231A	General principles of nuclear reactor instrumentation
IEC 60068-2-57	Environmental testing - Part 2-57: Tests - Test Ff: Vibration - Time-history and sine-beat method
IEC 60071-1	Insulation co-ordination - Part 1: Definitions, principles and rules
IEC 60076-5	Power Transformers - Part 5: Ability To Withstand Short Circuit
IEC 60076-3	Power transformers - Part 3: Insulation levels, dielectric tests and external clearances in air
IEC 60076-4	Power transformers - Part 4: Guide to the lightning impulse and switching impulse testing - Power transformers and reactors
IEC 60076-2	Power transformers - Part 2: Temperature rise for liquid-immersed transformers
IEC 60076-7	Power transformers - Part 7: Loading guide for mineral-oil-immersed power transformers
IEC 60076-11	Power transformers - Part 11: Dry-type transformers
IEC 60076-1	Power transformers - Part 1: General
IEC 60073	Coding principles for indicators and actuators
IEC 60076-10	Power transformers - Part 10: Determination of sound levels
IEC 60079-0	Explosive atmospheres - Part 0: equipment - General requirements
IEC 60079-14	Explosive atmospheres - Part 14: electrical installations design, selection and erection

General & Miscellaneous	
IEC 60079-2	Explosive atmospheres - Part 2: equipment protection by pressurized enclosure "p"
IEC 60079-19	Explosive atmospheres - Part 19: equipment repair, overhaul and reclamation
IEC 60079	Electrical apparatus for explosive gas atmospheres
IEC 60079-15	Electrical apparatus for explosive gas atmospheres - Part 15: construction, test and marking of type of protection "n" electrical apparatus
IEC 60079-1	Electrical apparatus for explosive gas atmospheres - Part 1: flameproof enclosures "d"
IEC 60072-3	Dimensions and output series for rotating electrical machines - Part 3: Small built-in motors - Flange numbers
IEC 60071-2	Insulation co-ordination - Part 2: Application guidelines
IEC 60079-7	Power transformers - Part 7: Loading guide for mineral-oil-immersed power transformers
IEC 60081	Tubular fluorescent lamps for general lighting service
IEC 60072-2	Dimensions and output series for rotating electrical machines - Part 2: Frame numbers 355 to 1000 and flange
IEC 60076	Power transformers
IEC 60071-4	Insulation co-ordination - Part 4: Computational guide to insulation co-ordination and modelling of electrical networks
IEC 60071-5	Insulation co-ordination - Part 5: procedures for high-voltage direct current (HVDC) converter stations
IEC 60072	Dimension and output series for rotating electrical machines
IEC 60072-1	Dimensions and output series for rotating electrical machines - Part 1: Frame numbers 56 to 400 and flange
IEC 60034-5	Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification

General & Miscellaneous	
IEC 60034-11	Rotating electrical machines - Part 11: built-in thermal protection. Chapter 1: rules for protection of rotating-electrical machines
EN 970	Non destructive examination of fusion welds. Visual examination
IEC 60034-6	Rotating electrical machines - part 6: methods of cooling (IC-Code)
IEC 60034-7	Rotating electrical machines - Part 7: classification of types of constructions and mounting arrangements (IM code)
IEC 60265-2	High-voltage switches - Part 2: High-voltage switches for rated voltages of 52 kV and above
IEC 60044-6	Instrument transformers - Part 6: Requirements for protective current transformers for transient performance
IEC 60034-12	Rotating electrical machines - Part 12: starting performance of single-speed three-phase cage induction motors for voltages UP to and including 660 V
IEC 60269	Low-voltage fuses
IEC 60034-8	Rotating electrical machines - Part 8: terminal markings and direction of rotation
IEC 60034-14	Rotating electrical machines - Part 14: mechanical vibration of certain machines with shaft heights 56 mm and higher. Measurement, evaluation and limits of vibration
IEC 60044-1	Instrument transformers - Part 1: current transformers
IEC 60044-2	Instrument transformers - Part 2: inductive voltage transformers
IEC 60038	IEC standard voltages
IEC 60034-9	Rotating electrical machines - Part 9: noise limits
HD 637 S1	Power installations exceeding 1 kV a.c
HD 620 S1	Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV to 20,8/36 (42) kV

General & Miscellaneous	
HD 632 S1	Power cables with extruded insulation and their accessories for rated voltages above 36 kV (Um = 42 kV) up to 150 kV (Um = 170 kV)
HD 361	System for cable designation
HD 308	Identification and use of cores of flexible cables
HD 21.3 S3	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 3: Non-sheathed cables for fixed wiring
IEC 60287	Electric cables - Calculation of the current rating
IEC 60282-2	High-voltage fuses - Part 2: Expulsion fuses
EN 60901	Single-capped fluorescent lamps. Safety and performance requirements
HD 603 S1	Distribution Cables of Rated Voltage 0.6/1 kV. Active
EN 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: generic standards - Immunity for industrial environments
HD 21.5 S3	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 5: Flexible cables (cords)
HD 22.4 S4	Cables of rated voltages up to and including 450/750 V and having cross-linked insulation - Part 4: Cords and flexible cables
HD 22.6 S2	Cables of rated voltages up to and including 450/750 V and having cross-linked insulation - Part 6: Arc welding cables
HD 538.2 S1	Three-phase dry-type distribution transformers 50 Hz, from 100 to 2500 kVA, with highest voltage for equipment not exceeding 36 kV - Part 2: Supplementary requirements for transformers with highest voltage for equipment equal to 36 kV
HD 22.9 S3	Cables of rated voltages up to and including 450/750 V and having cross-linked insulation - Part 9: Single core halogen-free non-sheathed cables for fixed wiring having low emission of smoke
IEC 60034-1	Rotating electrical machines - Part 1: Rating and Performances

General & Miscellaneous	
IEC 60269-2	Low-voltage fuses - Part 2: supplementary requirements for fuses for use by authirized persons (fuses mainly for industrial application
IEC 60034	Rotating electrical machines
IEC 50601	Generic cabling systems
IEC 60282-1	High-voltage fuses - Part 1: Current-limiting fuses
HD 632.16	Power cables with extruded insulation and their accessories for rated voltages above 36 kV
HD 637	S1 Power installations exceeding 1 kV a.c
IEC 60269-3	Low-voltage fuses - Part 3: supplementary requirements for fuses for use by unskilled personns (fuses mainly for household and similar applications)
IEC 60245	Rubber insulated cables. Rated voltages UP to and including 450/750 V
IEC 60255	Measuring relays and protection equipment
IEC 60254-2	Lead-acid traction batteries - Part 2: dimensions of cells and terminals and marking of polarity on cells
IEC 60068	Environmental Testing
IEC 60060-2	High-voltage test techniques - Part 2: measuring systems
IEC 60060-1	High-voltage test techniques - Part 1: general definitions and test requirements
IEC 60254-1	Lead-acid traction batteries - Part 1: general requirements and methods of test
IEC 60250	Recommended methods for the determination of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including metre wavelengths
IEC 60265-1	High-voltage switches - Part 1: Switches for rated voltages above 1 kV and less than 52 kV

General & Miscellaneous	
IEC 60060-3	High voltage test techniques - Part 3: definitions and requirements for on-site testing
IEC 60055-2	Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables) - Part 2: General and Construction Requirements
IEC 60060	High-voltage test techniques
IEC 60055-1	Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables) - Part 1: Cables for alternating voltages from 10 kV
IEC 60059	IEC standard current ratings
IEC 60051	Direct acting indicating analogue electrical measuring instruments and their accessories
IEC 60050-461	International Electro technical Vocabulary
IEC 60050-161	International Electro technical Vocabulary
IEC 60055	Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables)
IEC 60050	International Electro technical Vocabulary
IEC 60044-8	Instrument transformers - Part 8: Electronic current transformers
IEC 60255-5	Electrical Relays - Part 5: Insulation coordination for measuring relays and protection equipment - Requirements and tests
IEC 60255-11	Measuring relays and protection equipment - Part 11: Voltage dips, short interruptions, variations and ripple on auxiliary power supply port
IEC 60479	Effects of current on human beings and livestock

General & Miscellaneous	
IEC 61249-2-21	Materials for printed boards and other interconnecting structures - Part 2-21: Reinforced base materials, clad and unclad - Non-halogenated epoxide woven E-glass reinforced laminated sheets of defined flammability (vertical burning test), copper-clad
IEC 61140	Protection against electrical shock - Common aspects for installation and equipment
IEC 61000-5	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines
IEC 60439-3	Low-voltage switchgear and controlgear assemblies - Part 3 - Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use. Test methods
IEC 60296	Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear
IEC 61167	Metal halide lamps - Performance specification
IEC 60470	High-voltage alternating current contactors and contactor-based motor-starters
IEC 60439-2	Low-voltage switchgear and controlgear assemblies -- Part 2: Particular requirements for busbar trunking systems
IEC 60439	Low-voltage switchgear and controlgear assemblies
IEC 60439-1	Low-voltage switchgear and controlgear assemblies - Part 1: Type-tested and partially type-tested assemblies
IEC 61158	Industrial communication networks - Fieldbus specifications
IEC 61160	Design review
IEC 61163	Reliability stress screening
IEC 61165	Application of Markov Techniques
IEC 60446	Basic and safety principles for man-machine interface, marking and identification - Identification of conductors by colours or alphanumerics

General & Miscellaneous	
IEC 61000-5-2 - Ed 1.0 (1997)	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines - Section 2: Earthing and cabling
IEC 61000-4-8	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
IEC 60529	Degrees of protection provided by enclosures (IP code)
IEC 60287-1-1	Electric cables - Calculation of the current rating - Current rating equations (100% load factor) and calculation of losses - General
IEC 61000-4-9	Electromagnetic compatibility (EMC) - Part 4-9: Testing and measurement techniques - Impulse magnetic field immunity test
IEC 61000-4-7	Electromagnetic compatibility (EMC) - Part 4-7: Testing and measurement techniques - General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto
IEC 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
IEC 61326	Electrical equipment for measurement, control and laboratory use - EMC requirements
IEC 61000-4-6	Electromagnetic compatibility (EMC) - Part 4-6: testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
IEC 60617	Graphical symbols for diagrams
IEC 61000-6-2 - Ed 2.0 (2005)	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
IEC 60479-2	Effects of current on human beings and livestock - Part 2: Special aspects
IEC 60507	Artificial pollution tests on high-voltage ceramic and glass insulators to be used on a.c. systems
IEC 60479-1	Effects of current on human beings and livestock - Part 1: General aspects

General & Miscellaneous	
IEC 60502	Power cables with extruded insulation and their accessories for rated voltages from 1 kV up to 30kV
IEC 61241-0	Electrical apparatus for use in the presence of combustible dust - Part 0: general requirements
IEC 60352-1	Solderless connections - Part 1: Wrapped connections - General requirements, test methods and practical guidance
IEC 60332-3-24	Tests on electric cables under fire conditions - Part 3-24: test for vertical flame spread of vertically-mounted bunched wires or cables - Category C
IEC 60332-3-10	Tests on electric cables under fire conditions - Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables - Apparatus
IEC 60332-2-2	Tests on electric and optical fibre cables under fire conditions - Part 2-2: Test for vertical flame propagation for a single small insulated wire or cable - Procedure for diffusion flame
IEC 60297-3	Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482,6 mm (19 in) series
IEC 60332-2-1	Tests on electric and optical fibre cables under fire conditions - Part 2-1: Test for vertical flame propagation for a single small insulated wire or cable - Apparatus
IEC 61227	Nuclear power plants - Control rooms-Operator controls
IEC 60332-3	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 60297-2	Dimensions of mechanical structures of the 482.6 mm (19 in) series - Part 2: Cabinets and pitches of rack structures
IEC 61241-1	Electrical apparatus for use in the presence of combustible dust - Part 1: protection by enclosures "tD"
IEC 60332-1-3	Tests on electric and optical fibre cables under fire conditions - Part 1-3: Test for vertical flame propagation for a single insulated wire or cable - Procedure for determination of flaming droplets/particles

General & Miscellaneous	
IEC 60332-1-1	Tests on electric and optical fibre cables under fire conditions - Part 1-1: Test for vertical flame propagation for a single insulated wire or cable - Apparatus
IEC 60332-2	Tests on electric and optical fibre cables under fire conditions - Part 2: Test for vertical flame propagation for a single small insulated wire or cable
IEC 60364	Low-voltage electrical installations
IEC 61226	Nuclear Power Plants - Instrumentation and Control Systems Important to Safety - Classification of Instrumentation and Control Functions
IEC 60331	Tests for electric cables under fire conditions - Circuit integrity
IEC 60304	Standard colours for insulation for low-frequency cables and wires; identical with IEC 60304, edition 1982
IEC 61241-11	Electrical apparatus for use in the presence of combustible dust - Part 11: protection by intrinsic safety 'iD'
IEC 60332-1-2	Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame
IEC 60320	Appliances couplers for household and similar general purposes
IEC 60332-1	Tests on electric and optical fibre cables under fire conditions - Part 1: Test for vertical flame propagation for a single insulated wire or cable
IEC 61241-14	Electrical apparatus for use in the presence of combustible dust - Part 14: selection and installation
IEC 61241-17	Electrical apparatus for use in the presence of combustible dust - Part 17: inspection and maintenance of electrical installations in hazardous areas (other than mines)
IEC 60309	Plugs, socket-outlets and couplers for industrial purpose
IEC 60332	Tests on electric and optical fibre cables under fire conditions
IEC 60364-4	Low-voltage electrical installations - Part 4: Protection for safety

General & Miscellaneous	
IEC 60364-4-43	Low-voltage electrical installations - Part 4-43: Protection for safety - Protection against overcurrent
IEC 60364-4-41	Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock
IEC 60300	Dependability management
IEC 60364-5-54	Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - hearthing arrangements and protective conductors
IEC 60297-1	Dimensions of mechanical structures of the 482.6 mm (19 in) series - Part 1: Panels and racks
IEC 60664-1	Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests
IEC 60364-5-54 - Ed 3.0 (2011)	Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - hearthing arrangements and protective conductors
IEC 60364-7-714	Low-voltage electrical installations - Part 7-714: Requirements for special installations or locations. External lighting installations
IEC 61195	Double-capped fluorescent lamps - Safety specifications
IEC 61180-1	High-voltage test techniques for low voltage equipment-Part 1: Definitions, test and procedure requirements
IEC 60364-5-52	Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems
IEC 61199	Single-capped fluorescent lamps - Safety specifications
IEC 61210	Connecting devices. Flat quick-connect terminations for electrical copper conductors. Safety requirements
IEC 61189	Test methods for electrical materials, interconnection structures and assemblies
IEC 60364-1	Low-voltage electrical installations - Part 1: Fundamental principles, assessment of general characteristics, definitions

General & Miscellaneous	
IEC 61225	Nuclear power plants - Instrumentation, control and electrical power systems - Requirements for static uninterruptible DC and AC power supply systems
IEC 60359	Electrical and electronic measurement equipment - Expression of performance
IEC 60352-2	Solderless connections - Part 2: Crimped connections - General requirements, test methods and practical guidance
IEC 60896-11	Stationary lead-acid batteries - Part 11: vented types - Genral requirements and methods of tests
IEC 60901	Single-capped fluorescent lamps. Performance specifications
IEC 60898	Electrical Accessories-Circuit-Breakers for Overcurrent Protection for Household and Similar Installations
IEC 60896-21	Stationary lead-acid batteries - Part 21: Valve regulated types - Methods of test
IEC 61000-6-4	Electromagnetic compatibility (EMC) - Part 6-4: generic standards - Emission standard for industrial environments
IEC 61000-2-13	Electromagnetic compatibility (EMC) - Part 2-13: Environment - High-power electromagnetic (HPEM) environments - Radiated and conducted
IEC 61000-2-2	Electromagnetic compatibility (EMC) - Part 2-2: Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems
IEC 60811	Electric and optical fibre cables - Test methods for non-metallic materials
IEC 61000-1-1	Electromagnetic compatibility (EMC) - Part 1-1: General - Application and interpretation of fundamental definitions and terms
IEC 61000	Electromagnetic compatibility (EMC)
IEC 60923	Auxiliaries for lamps. Ballasts for discharge lamps (excluding tubular fluorescent lamps). Performance requirements

General & Miscellaneous	
IEC 61000-2-3	Electromagnetic compatibility (EMC) - Part 2: Environment - Section 3: Description of the environment - Radiated and non-network-frequency-related conducted phenomena
IEC 60905	Loading guide for dry-type power transformers
IEC 61000-2-12	Electromagnetic compatibility (EMC) - Part 2-12: Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public medium-voltage power supply systems
IEC 61000-2-11	Electromagnetic compatibility (EMC) - Part 2-11: Environment - Classification of HEMP environments
IEC 60909-0	Short-circuit currents in three-phase ac systems - Part 0: Calculation of currents
IEC 60927	Auxiliaries for lamps. Starting devices (other than glow starters) - Performance requirement
IEC 60929	A.C. Supplied electronic ballasts for tubular fluorescent lamps. Performance requirements
IEC 61000-2-10	Electromagnetic compatibility (EMC) - Part 2-10: Environment - Description of HEMP environment - Conducted disturbance
IEC 61000-1-2	Electromagnetic compatibility (EMC) - Part 1-2: General - Methodology for the achievement of functional safety of electrical and electronic systems including equipment with regard to electromagnetic phenomena
IEC 60815	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions
IEC 61000-2-8	Electromagnetic compatibility (EMC) - Part 2-8: Environment - Voltage dips and short interruptions on public electric power supply systems with statistical measurement results
IEC 61000-2-9	Electromagnetic compatibility (EMC) - Part 2: Environment - Section 9: Description of HEMP environment - Radiated disturbance. Basic EMC publication
IEC 61000-3	Electromagnetic compatibility (EMC) - Part 3: Limit

General & Miscellaneous	
IEC 60840	Power cables with extruded insulation and their accessories for rated voltages above 30 kV (Um= 36 kV) up to 150 kV (Um = 170 kV) - Test methods and requirements
IEC 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: general requirements
IEC 61000-4	Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques
IEC 60811-1-2	Insulating and sheathing materials of electric cables-common test methods Part 1-2: Method for general application- thermal ageing method
IEC 61000-2-4	Electromagnetic compatibility (EMC) - Part 2-4: Environment - Compatibility levels in industrial plants for low-frequency conducted disturbances
IEC 60880	Nuclear power plants - Instrumentation and control systems important to safety - Software aspects for computer-based systems performing category A functions
IEC 61000-2-7	Electromagnetic compatibility (EMC) - Part 2: Environment - Section 7: Low frequency magnetic fields in various environments
IEC 61000-2-5	Electromagnetic compatibility (EMC) - Part 2-5: Environment - Description and classification of electromagnetic environments
IEC 60964	Design for control rooms of nuclear power plants
IEC 60950-1	Information technology equipment - Safety - Part 1: General requirements
IEC 60950	Safety of information technology equipment
IEC 60949	Calculation of thermally permissible short-circuit currents, taking into account non-adiabatic heating effects
IEC 60947-7	Low-voltage switchgear and controlgear - Part 7: Ancillary equipment
IEC 60947-6	Low-voltage switchgear and controlgear - Part 6: Multiple function equipment

General & Miscellaneous	
IEC 60947-5-1	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements. Electromechanical control circuit devices
IEC 60947-5	Low-voltage switchgear and controlgear - Part 5: Control circuit devices and switching elements
IEC 60947-4-2	Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - Semiconductor motor controllers, starters and soft-starters
IEC 60980	Recommended practices for seismic qualification of electrical equipment of the safety system for nuclear generating stations
IEC 60947-4	Low-voltage switchgear and controlgear - Part 4: Contactors and motor-starters
IEC 60947-4-1	Low voltage switchgear and controlgear - Part 4-1: Contactors and motors starters - Electromechanical contactors and motor starters
IEC 60947-1	Low-voltage switchgear and controlgear - Part 1: General rules
IEC 60947	Low-voltage switchgear and controlgear
IEC 60947-2	Low voltage switchgear and controlgear - Part 2: Circuit Breakers
IEC 60947-3	Low voltage switchgear and controlgear - Part 3: Switches, disconnectors, switchdisconnectors and fuse combination units
IEC 61000-4-4	Electromagnetic compatibility (EMC) - Part 4-4: testing and measurement techniques - Electrical fast transient/burst immunity test
IEC 61000-4-3	Electromagnetic compatibility (EMC) - Part 4-3: testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test
IEC 60715	Dimensions of low-voltage switchgear and controlgear. Standardized mounting on rails for mechanical support of electrical devices in switchgear and controlgear installations
IEC 60709	Nuclear power plants - Instrumentation, control and electrical power systems important to safety - Separation

General & Miscellaneous	
IEC 60684-2	Flexible insulating sleeving - Part 2: methods of test
IEC 60721-2-1	Classification of environmental conditions - Part 2-1: Environmental conditions appearing in nature - Temperature and humidity
IEC 61000-4-5	Electromagnetic compatibility (EMC) - Part 4-5: testing and measurement techniques - Surge immunity test
IEC 60695-2	Fire hazard testing - Part 2: test methods
IEC 60706	Maintainability of equipment
IEC 61000-4-17	Electromagnetic compatibility (EMC) - Part 4-17: Testing and measurement techniques - Ripple on d.c. input power port immunity test
IEC 61131-3	Programmable controllers - Part 3: Programming languages
IEC 61000-4-2	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
IEC 60695-11-20	Fire hazard testing - Part 11-20: Test flames - 500 W flame test method
IEC 60725	Reference impedance for LV power lines
IEC 60721	Classification of environmental conditions
IEC 60654-2	Operating conditions of measurement, control equipment in industrial processes
IEC 60695-11-10	Fire hazard testing - Part 11-10: Test flames - 50 W horizontal and vertical flame test methods
IEC 60671	Nuclear power plants - Instrumentation and control systems important to safety - Surveillance testing
IEC 60664-4	Insulation coordination for equipment within low-voltage systems - Part 4: considerations of high-frequency voltage stress

General & Miscellaneous	
IEC 61000-4-16:2002	Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150kHz
IEC 60664	Insulation co-ordination within L.V. systems
IEC 60662	High-pressure sodium vapour lamps
IEC 61034-2	Measurement of smoke density of cables burning under defined conditions - Part 2: test procedure and requirements
IEC 61000-4-10	Electromagnetic compatibility (EMC) - Part 4-10: Testing and measurement techniques - Damped oscillatory magnetic field immunity test
IEC 60755	General safety requirements for residual current operated protective devices IEC
IEC 60754-2	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 61034-1	Measurement of smoke density of cables burning under defined conditions - Part 1: test apparatus
IEC 61014	Programs for reliability growth
IEC 61056-1	General purpose lead-acid batteries (valve-regulated types) - Part 1: general requirements, functional characteristics - Methods of test
IEC 61056-2	General purpose lead-acide batteries (valve-regulated types) - Part 2: dimensions, terminals, and marking
IEC 61124	Reliability testing - Compliance tests for constant failure rate and constant failure intensity
IEC 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase

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IEC 60754-1	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content
IEC 60780	Nuclear power plants - Electrical equipment of the safety system - Qualification
IEC 60787	Application guide for the selection of high-voltage current-limiting fuse-links for transformer circuits
IEC 61034	Measurement of smoke density of cables burning under defined conditions
IEC 60754	Test on gases evolved during combustion of materials from cables
IEC 61000-4-14	Electromagnetic compatibility (EMC) - Part 4-14: Testing and measurement techniques - Voltage fluctuation immunity test
IEC 61069	Industrial-process measurement and control. Evaluation of system properties for the purpose of system assessment
IEC 61131-2	Programmable controllers - Part 2: Equipment requirements and tests
IEC 61000-4-12	Electromagnetic Compatibility (EMC) - Part 4-12: Testing and measurement techniques - Ring wave immunity test
IEC 61000-4-13	Electromagnetic compatibility (EMC) - Part 4-13: Testing and measurement techniques - Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests
IEC 61641	Enclosed low-voltage switchgear and controlgear assemblies. Guide for testing under conditions of arcing due to internal fault
IEC 61347-2-3	Lamp controlgear - Part 2-3: particular requirements for a.c. supplied electronic ballats for fluorescent lamps
NF C13-200	High voltage electrical installations - Additional rules for production sites and industrial, commercial and agricultural installations
IEC 61771	Nuclear power plants - Main control-room - Verification and validation of design

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IEC 61772	Nuclear power plants - Main control room - Application of visual display units (VDU)
IEC 61800	Adjustable speed electrical power drive systems
IEC 61660-1	Short-circuit currents in d.c. auxiliary installations in power plants and substations - Part 1: Calculation of short-circuit currents
IEC 61709	Reference conditions for failure rates and stress models for conversions
ISO 17636	Non-destructive testing of welds - Radiographic testing
ISO 15614	Specification and qualification of welding procedures for metallic materials - Welding procedure test
IEC 62271-203	High-voltage switchgear and controlgear - Part 203: AC gas-insulated metal-enclosed switchgear for rated voltages above 52 kV
IEC 61347-1	Lamp controlgear - Part 1: general and safety requirements
IEC 61800-2	Adjustable speed electrical power drive systems - Part 2: general requirements. Rating specifications for low voltage adjustable frequency A.C. Power drive systems
IEC 62271-300	High-voltage switchgear and controlgear - Part 300: Seismic qualification of alternating current circuit-breakers
IEC 62271-201	High-voltage switchgear and controlgear - Part 201: AC solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV
IEEE 802.3	Standard for Ethernet based LANs
ISO 15607	Specification and qualification of welding procedures for metallic materials - General rules
IEC 61800-1	Adjustable speed electrical power drive systems - Part 1: general requirements. Rating specifications for low voltage adjustable speed D.C. Power drive systems
IEC 61347-2-1	Lamp controlgear - Part 2-1: particular requirements for starting devices (other than glow starters)

General & Miscellaneous	
ISO 14732	Welding Personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
NF C15-100	Low-voltage electrical installations
IEC 62305-1 - Ed 1.0 (2006)	Protection against lightning - Part 1: General principles
IEC 62305-2 - Ed 1.0 (2006)	Protection against lightning - Part 2: Risk management
IEC 61508	Functional safety of electrical/electronic/programmable electronic safety-related systems
IEC 61508-4	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 4: definitions and abbreviations
IEC 61508-5	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 5: examples of methods for the determination of safety integrity levels
IEC 61508-2	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 2: requirements for electrical/electronic/programmable electronic safety-related systems
IEC 61508-1	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 1: general requirements
IEC 61347-2-9	Lamp controlgear - Part 2-9: particular requirements for discharge lamps (excluding fluorescent lamps)
IEC 61936	Power installations exceeding 1 kV a.c
ISO 3452-1	Non-destructive testing - Penetrant Testing - Part 1: General Principles
ISO 3452	Non-destructive testing - Penetrant Testing
ISO 4287:2000	Geometrical Product Specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters

General & Miscellaneous	
ISO 5817	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
ISO 22825	Non-destructive testing - Ultrasonic testing - Testing of welds in austenitic steel and nickel-based alloys
IEC 62305	Protection against lightning
IEC 61508-3	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3: software requirements
ISO 17873	Nuclear facilities - Criteria for the design and operation of ventilation systems for nuclear installations other than nuclear reactors
IEC 62271-301	High-voltage switchgear and controlgear - Part 301: Dimensional standardisation of high-voltage terminals
ISO 17640	Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment
IEC 61511	Functional safety - Safety instrumented systems for the process industry sector
ISO 17637	Non-destructive Testing of Welds - Visual Testing of Fusion-welded Joints
IEC 61508-6	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 6: guidelines on the application of IEC 61508-2 and IEC 61508-3
IEC 61508-7	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 7: overview of techniques and measures
IEC 61513	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems
IEC 61537	Cable tray systems and cable ladder systems for cable management
IEC 61547	Equipment for general lighting purposes. EMC immunity requirements

General & Miscellaneous	
IEC 62271-1	High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear
IEC 62271-102	High-voltage switchgear and controlgear - Part 102: alternating current disconnectors and earthing switches
IEC 62040-3	Uninterruptible power systems (UPS) - Part 3: method of specifying the performance and test requirements
IEC 62053	Electricity metering equipment (a.c.) - Particular requirements
IEC 62138	Nuclear power plants. Instrumentation and control for systems important to safety - Software aspects for computer-based systems performing category B and C functions
IEC 62208	Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements
IEC 62262	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)
IEC 62040-2	Uninterruptible power systems (UPS) - Part 2: electromagnetic compatibility (EMC) requirements
IEC 62429	Reliability growth-Stress testing for early failures in unique complex systems
IEC 62347	Guidance on system dependability specifications
IEC 62310-2	Static transfer systems (STS) - Part 2: Electromagnetic compatibility (EMC) requirements
IEC 62310-1	Static transfer systems (STS) - Part 1: General and safety requirements
NF C13-000	Power installations exceeding 1 kV a.c
IEEE 61850	Standards applicable to Power Station I&C components
NF C04-200	Marking of conductors (status change of the standard NF C 04-200 dated June 1974, ENR)
IEC 62402	Obsolescence management

General & Miscellaneous	
ISO 3864-1	Graphical symbols - Safety colours and safety signs - Part 1: design principles for safety signs and safety markings
ISBN 0-471-40435-6	Electrical Installations Handbook, 3rd Edition, Executive Editor: Gunter G. Seip, John Wiley and Sons
IEC-60204-1 Safety	of machinery - Electrical equipment of machines - Part 1: General requirements
IEC/TS 61000-6-5	Electromagnetic compatibility (EMC) - Part 6-5: Generic standards - Immunity for power station and substation environments
IEC 62305-3 - Ed 1.0 (2006)	Protection against lightning - Part 3: Physical damage to structures and life hazard
IEC 62440	Electric cables - Guide to use for cables with a rated voltage not exceeding 450/750 V
IEC 62271-100	High-voltage switchgear and control gear - Part 100: High-voltage alternating-current circuitbreakers
IEC 62308	Reliability assessment methods
IEC 62305-4	Protection against lightning - Part 4: Electrical and electronic systems within structures
IEC 62305-4 - Ed 1.0 (2006)	Protection against lightning - Part 4: Electrical and electronic systems within structures
IEC 62271-200	High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV
IEC 62271-105	High-voltage switchgear and controlgear - Part 105: Alternating current switch-fuse combinations for rated voltages above 1 kV up to and including 52 kV
IEC 61800-4	Adjustable Speed Electrical Power Drive Systems - Part 4: General Requirements - Rating Specifications for a.c. Power Drive Systems above 1 000 V a.c. and not Exceeding 35 kV
IEC 61800-3	Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods

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IEC 61800-5	Adjustable speed electrical power drive systems - Part 5: Safety requirements
IEC 61958	High-voltage prefabricated switchgear and controlgear assemblies - Voltage presence indicating systems
IEC 61936-1	Power installations exceeding 1 kV a.c. - Part 1: Common rules
IEC 62040-1	Uninterruptible power systems (UPS) - Part 1: general and safety requirements for UPS
IEC 62040-1-1	Uninterruptible power systems (UPS) - Part 1-1: general and safety requirements for UPS used in operator access areas
IEC 62040-1-2	Uninterruptible power systems (UPS) - Part 1-2: general and safety requirements for UPS used in restricted access locations
ISO 9606-1	Qualification test of welders - Fusion welding - Part1: Steels
ITER Document	CAD Manual 01 - Introduction
ITER Document	EDH Part 1: Introduction
ISO 9712	Non-destructive testing - Qualification and certification of NDT personnel
ITER Document	Plant Control Design Handbook
ITER Document	ITER Vacuum Handbook
ISO 15649	Petroleum and natural gas industries - Piping
Arrêté ESPN:2005	Arrêté du 12 décembre 2005 relatif aux équipements sous pression nucléaires
API 579/ASME FFS-1	Fitness-For-Service (FFS)
ASME B31.3:2010	Process Piping
ITER Document	Compliance ASME B73.2 and ESP/ESPN
ITER Document	ITER Seismic Nuclear Safety Approach
ASME B73.1M:1991 R1999:2001	Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process

General & Miscellaneous	
ITER Document	Compliance ASME B73.1 and ESP/ESPN
ITER Document	Compliance ASME B31.3 and ESP/ESPN
ASME B31.3:2002	Process Piping
ITER Document	Compliance ASME B31.3 bellows and ESP/ESPN
API 579-2000	Fitness-For-Service (FFS)
ASME SB637	Standard Specification for Oxygen-Free Electrolytic Copper-Refinery Shapes
ASME B637:2004	Standard Specification for Oxygen-Free Electrolytic Copper-Refinery Shapes
Arrêté INB:1984	Arrêté du 10 août 1984 relatif à la qualité de la conception, de la construction et de l'exploitation des installations nucléaires de base
ASME B16.34:1996	Valves - Flanged, Threaded and Welding End
ITER Document	Final Report Introduction - Compliance ASME and ESP/ESPN
ITER Document	Compliance ASME B16.34 and ESP/ESPN
ITER Document	Compliance ASME Sec VIII Div 2 and ESP/ESPN
SDC-IC	Structural Design Criterial for In-vessel Components (ITER_D_222RHC)
ASME BPVC Sec. II - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section II - Materials
SDC-G	Structural Design Criteria for ITER, General Section, Version 1, May 2004 (ITER_D_229D49_2_0.pdf)
ASME BPVC Sec. III - Edition 2001	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components
ITER Document	Tritium Handbook
EJMA	Standards of the expansion joint manufacturers association

General & Miscellaneous	
Directive 97/23/EC	Directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment
RCC-MR 2007	Rules for design and construction of fast breeder liquid metal cooled reactors
ASME B31.3	Process Piping
ASME B73.1:2001	Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process
SDC-MC	Structural Design Criterial for Magnet Components (ITER_D_222RGU)
API 610	Centrifugal Pumps for Petroleum, Heavy Duty Chemical and Gas Industry
ASME B73.2:2003	Specification for Vertical In-Line Centrifugal Pumps for Chemical Process
API 685	Sealless Centrifugal Pumps for Petroleum, Heavy Duty Chemical, and Gas Industry Services
ASME B16.34:2009	Valves - Flanged, Threaded and Welding End
BS 7910	Guide to methods for assessing the acceptability of flaws in metallic structures
ASTM A380	Standard Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems
ITER Document	EDH Part 3: Codes & Standards
FD CEN/TR 14549 2005	Pressure Equipment Directive, FD CEN/TR 14549, July 2005
EN 13445 2009	Unfired Pressure Vessels
EN 1337	Structural bearings
ASME Section XI	Rules for Inservice Inspection of Nuclear Power Plant Components

General & Miscellaneous	
ASME Section I:2005	PED Guide, Supplement to Guide for ASME Holders Use of ASME Sec. I to Meet the Pressure Equipment Directive (97/23/EC), STP/PT-002, ASME, May 27, 2005
ASME B73.2M:1991 R1999:2001	Specification for Vertical. In-Line Centrifugal Pumps for Chemical Process
ASME BPVC Sec. VIII Div. 1	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 1
ASME BPVC Sec. VIII Div. 2 - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME B16.9	Factory Made Wrought Steel Buttwelding Fittings
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
EN ISO 9606-4	Qualification testing of welders - Fusion welding - Part 1: Nickel and Nickel alloys
EN ISO 4126-5	Safety devices for protection against excessive pressure - Part 5: controlled safety pressure relief systems (CSPRS)
EN 13445-4	Unfired pressure vessels - Part 4: Fabrication
EN 13445-5	Unfired pressure vessels - Part 5: Inspection and testing
EN ISO 4126-3	Safety devices for protection against excessive pressure - Part 3: Safety valves and bursting disc safety devices in combination
EN ISO 4126-4	Safety devices for protection against excessive pressure - Part 4: Pilot operated safety valves
ASTM A453/453M-10	Standard Specification for High-Temperature Bolting, with Expansion Coefficients Comparable to Austenitic Stainless Steels
EN 13479	Welding consumables - General product standard for filler metals and fluxes for fusion welding of metallic materials
ASTM A240/A240M	Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications

General & Miscellaneous	
IEC 60672-3	Ceramic and glass-insulating materials - Part 3: Specifications for individual materials
EN 10327	Continuously hot-dip coated strip and sheet of low carbon steels for cold forming Technical delivery conditions
EN 876	Longitudinal Tensile Test
EN 50102	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (ik code)
EN 50019	Electrical apparatus for explosive atmospheres
EN 12330	Corrosion protection of metals - Electrodeposited coatings of cadmium on iron or steel
EN 13480:2002	Metallic industrial piping
EN 12329	Corrosion protection of metals - Electrodeposited coatings of zinc with supplementary treatment on iron or steel
ASTM A638/638M-10	Standard Specification for Precipitation Hardening Iron Base Superalloy Bars, Forgings, and Forging Stock for High-Temperature Service
RCC-MRx 2018	Design and Construction Rules for mechanical components of nuclear installations: high-temperature, research and fusion reactors
MIL-T-9046J	MILITARY SPECIFICATION: TITANIUM AND TITANIUM ALLOY, SHEET, STRIP AND PLATE (11 JAN 1983)
EN 473	Non-destructive testing - Qualification and certification of NDT personnel
EN 50178	Electronic equipment for use in power installations
EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 10088-2	Stainless steels - Part 2: Technical delivery conditions for corrosion-resistant steel sheet and strip for general use

General & Miscellaneous	
EN ISO 15613:2004	Specification and qualification of welding procedures for metallic materials - Qualification based on pre-production welding test
EN 55022	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
EN ISO 15614-1:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
EN ISO 15612	Specification and qualification of welding procedures for metallic materials - Qualification by adoption of a standard welding procedure specification
ASME BPVC Sec. VIII - Edition 2007	Rules for Construction of Pressure Vessels
EN 10216-5:2004	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 50267-2-1	Common test methods for cables under fire conditions - Test on gases evolved during combustion of materials from cables - Part 2-1: procedures - Determination of the amount of halogen acid gas
EN 1011-2	Welding - Recommendations for welding of metallic materials - Part 2: Arc welding of ferritic steel
EN 50298	Empty enclosures for low-voltage switchgear and controlgear. General requirements
EN 50267-1	Common test methods for cables under fire conditions - Test on gases evolved during combustion of materials from cables - Part 1: apparatus
EN 1418	Welding personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN 50266-2-5	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-5: Procedures - Small cables - Category D
EN 1435	Non-destructive testing of welds - Radiographic testing of welded joints

General & Miscellaneous	
EN ISO 15607	Specification and qualification of welding procedures for metallic materials - General rules
EN 12165:1998	Copper and copper alloys. Wrought and unwrought forging stock
EN 12074	Welding consumables - Quality requirements for manufacture, supply and distribution of consumables for welding and allied processes
EN 55011	Industrial, scientific and medical (ISM) radio-frequency equipment - Radio disturbance characteristics - Limits and methods of measurement
ASTM B446-03	Standard Specification for Nickel-Chromium-Molybdenum-Columbium Alloy (UNS N06625), Nickel-Chromium-Molybdenum-Silicon Alloy (UNS N06219), and Nickel-Chromium-Molybdenum-Tungsten Alloy (UNS N06650) Rod and Bar
ASTM B381-03	Standard Specification for Titanium and Titanium Alloy Forgings
EN 10204	Metallic products. Type of inspection documents
CEN/TS 13388:2004	Copper and copper alloys - Compendium of compositions and products
EN ISO 4126-1	Safety devices for protection against excessive pressure - Part 1: Safety valves
EN 12163:1998	Copper and copper alloys - Rod for general purposes
EN 10302:2008	Creep resisting steels, nickel and cobalt alloys
ASTM B170-99	Standard Specification for Oxygen-Free Electrolytic Copper-Refinery Shapes
ASTM B152M-09	Standard Specification for Copper Sheet, Strip, Plate, and Rolled Bar
ASTM B150/B150M-03	Standard Specification for Aluminum Bronze Rod, Bar, and Shapes

General & Miscellaneous	
EN 50266-2-4	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-4: Procedures - Category C
ASTM E1049	Standard Practices for Cycle Counting in Fatigue Analysis
ASTM B348-03	Standard Specification for Titanium and Titanium Alloy Bars and Billets
EN 1714	Non-destructive testing of welds - Ultrasonic testing of welded joints
EN 50294	Measurement method of total input power of ballast-lamp circuits
EN 287-1	Qualification test of welders - Fusion welding - Part 1: Steels
ASTM B124/B124M-09	Standard Specification for Copper and Copper Alloy Forging Rod, Bar, and Shapes
EN 10028-7:2007	Flat products made of steels for pressure purposes - Part 7: Stainless steels
ASTM B760-86:1999	Standard Specification for Tungsten Plate, Sheet, and Foil
EN ISO 15611	Specification and qualification of welding procedures for metallic materials - Qualification based on previous welding experience
ASTM B861-03	Standard Specification for Titanium and Titanium Alloy Seamless Pipe
EN ISO 13916	Welding - Measurement of preheating temperature, interpass temperature and preheat maintenance temperature
EN 50266-2-3	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-3: procedures - Category B
ASTM B670	Standard Specification for Precipitation-Hardening Nickel Alloy (UNS N07718) Plate, Sheet, and Strip for High-Temperature Service
EN 13445	Unfired pressure vessels

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EN 50266-2-2	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2- 2: procedures - Category A
EN 50267-2-2	Common test methods for cables under fire conditions - Test on gas evolved during combustion of materials from cables - Part 2-2: procedures - Determination of degree of acidity of gases for materials by measuring pH and conductivity
EN ISO 15609-1	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding
EN 1290	Non-destructive examination of welds. Magnetic particle examination of welds
EN 50267-2-3	Common test methods for cables under fire conditions - Test on gas evolved during combustion of materials from cables - Part 2-3: Procedures - Determination of degree of acidity of gases for cables by determination of the weighted average of pH and conduc
EN 50266-1	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 1: apparatus
ISO 9606	Qualification test of welders-Fusion welding
NF C20-010	General requirements for electrical equipment. Classification of degrees of protection provided by enclosures
UTE-C18-540	Operation of electrical installations
UTE C96-027	Semi-conductor devices. Rules concerning the management of product discontinuance and replacement (obsolescence of electronic components) Provisional recommendations
UTE C93-751	Electronic components-Base materials for printed circuits-Detailed specifications
Transformer Handbook	Transformer Handbook: Pub. ABB Power Technologies Business Unit Power Transformers
RCC-E 2005	Design and construction rules for electrical equipment of nuclear islands

General & Miscellaneous	
RCC-E	Design and construction rules for electrical equipment of nuclear islands
NF X 06-021	Application of statistics-Principles of the statistical control of batches
NF T 30-903	Paints and varnishes. Paints for the nuclear industry. Test of behaviour in ionising radiations (pwr)
NF EN 45014	General Criteria for Supplier's Declaration of Conformity
NF T 30-900	Paints and varnishes. Paints for nuclear industry. Behavioural test under controlled accident conditions and reparability of paints systems (pwr)
ISA-5.1-1984 (R1992)	Standard for Instrumentation Symbols and Identification
NF M 64-001	Procedure for qualifications of electric equipment installed in containments for pressurised water reactors and subject to accident conditions
ISO 4063	Welding and allied processes-Nomenclature of processes and reference numbers
NF ISO 3951	Sampling procedures and charts for inspection by variables
NF ISO 2859-0	Sample procedures for inspection by attributes - Part 0: Introduction to the ISO 2859 Attribute Sampling System
NF EN ISO 9000-3	Quality assurance and quality management standards-Part 3: Directives for the application of ISO 9001:9004 with reference to the provision, installation and maintenance of software
NF EN 60034-1	Rotating electrical machines - Part 1: Rating and Performances
NF EN 50464	Three-phase oil-immersed distribution transformers 50 Hz, from 50 kVA to 2 500 kVA with highest voltage for equipment not exceeding 36 kV
NF EN 50160	Voltage characteristics of electricity supplied by public electricity networks
NF EN 50110-2	Operation of electrical installations - Part 2: National annexes

General & Miscellaneous	
NF EN 50110-1	Operation of electrical installations - Part 1: general requirements
NF T 30-901	Paints and varnishes. Paint for the nuclear industry. Performance test for susceptibility to contamination and fitness to decontamination
ISO 10380	Corrugated metal hoses and hose assemblies
ISO 17638	Non-destructive testing of welds - Magnetic particle testing
ISO 15614-8:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 8: welding of tubes to tube-plate joints
ISO 15614-6:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 6: arc and gas welding of copper and its alloys
ISO 15614-5:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 5: arc welding of titanium, zirconium and their alloys
ISO 15614-2:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 2: arc welding of aluminium and its alloys
ISO 15614-11:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 11: electron and laser beam welding
ISO 15614-1:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
ISO 15609	Specification and qualification of welding procedures for metallic materials-Welding procedure specification
ISO 14344	Welding and allied processes-Flux and gas shielded electrical welding processes-Procurement guidelines for consumables
IAEA NS G 1.3	Instrumentation and control systems important to safety in nuclear power plants
ISO 1418	Welding personnel. Approval testing of welding operators

General & Miscellaneous	
IEC/ISO 62061	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems
EN 571	Non destructive testing. Penetrant testing
EN 2516:1997	Passivation of corrosion resistant steels and decontamination of nickel bas alloys
ASTM A967	Specification for Chemical Passivation Treatments for Stainless Steel Parts
ASME B36.10M:2004	Welded and seamless wrought steel pipes
ASME B16.9M:2012	Factory Made Wrought Steel Buttwelding Fittings
ASN/GUIDE /7/01	Implementation of the fire measures concerning the Order dated 31/12/99
AGS-G002	Standard of practice for the design & Fabrication of Glovebags
AGS-G001	Guidelines for Gloveboxes
NF ISO 9001	Quality management systems-Requirements
NF P 92 507	Building materials. Reaction-to-fire tests. Classification of building materials
NF C32-070	Insulated cables and flexible cords for installations. Classification tests on cables and cords with respect to their behaviour to fire
NF C30-202	Insulated cables and flexible cords. System for cable designation
NF C20-454	Provisional requirements. Fire behaviour. Test method for the analysis and the titration of combustion of synthetic materials used in electrotechnics
NF C20-040	General requirements for electrical equipment. Creepage distances and clearances
NF C20-030	Low-voltage electrical equipment. Protection against electric shock. Safety requirements
NF C20-015	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (ik code)

General & Miscellaneous	
NF C17-100	Protection of structures against lightning. Installation of lightning Protective system
ISO 3452-2	Non-destructive testing - Penetrant testing - Part 2: testing of penetrant materials
ISO 3452-3	Non-destructive testing. Penetrant testing - Part 3: reference test blocks
NF EN 2812-1	Paints and varnishes-determinations of resistance to liquids-Part 1: General methods
NF C58-311	PROCEDURE FOR TYPE TESTS FOR RECTIFIER-BATTERY CHARGER AND BATTERIES
NF C93-022	Electronic components-Point-to-point Clip Terminals
NF C63-421	Low-voltage switchgear and controlgear assemblies
NF C52-112	Transformers three phase two winding transformers (copper windings). For 50 Hz power distribution networks. Additional requirements - Characteristics
NF C52-100	Power transformers. Requirements
NF C42-502	Measuring instruments. Current transformers. Characteristics
NF C32-323	Conducteurs et câbles pour installations - Câbles rigides 0,6/1 kV, sans halogènes à comportement au feu amélioré, de catégorie C1, à isolation synthétique réticulée et avec gaine de protection synthétique extrudée
NF C32-102.13	Rubber insulated cables of rated voltages up to and including 450/750 V - Part 13: single and multicore flexible cables, insulated and sheathed with crosslinked polymer and having low emission of smoke and corrosive gases
NF C32-076	Method of test for resistance to fire of unprotected small cables for use in emergency circuits
RG 1.92	NRC - Regulatory Guide 1.92 Révision 2 de juillet 2006
RFS 2001-01	Règle Fondamentale de Sûreté 2001-01

General & Miscellaneous	
TR 13480-7	Metallic industrial piping - Part 7: Guidance on the use of conformity assessment procedures
O.H.G.P.I.	Spécifications techniques de décapage par projection d'abrasifs. Office d'Homologation des Garanties de Peinture Industrielle O.H.G.P.I. 10 avenue de Salonique 75017 Paris - http://www.ohgpi.com/
POLIT 05	I. POLITOPOULOS, P. SOLLOGOUB
POLIT 07	I. POLITOPOULOS
EN ISO 14343:2010	Welding consumables - Wire electrodes, strip electrodes, wires and rods for fusion welding of stainless and heat resisting steels - Classification
EN ISO 15614-11:2002	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 11: electron and laser beam welding
EN ISO 10042	Welding - Arc-welded joints in aluminium and its alloys - Quality levels for imperfections
EN ISO 14344	Welding and allied processes. Flux and gas shielded electrical welding processes. Procurement guidelines for consumables
EN ISO 14344:2010	Welding and allied processes. Flux and gas shielded electrical welding processes. Procurement guidelines for consumables
EN ISO 15614-2	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 2: arc welding of aluminium and its alloys
EN ISO 14172	Welding consumables. Covered electrodes for manual metal arc welding of nickel and nickel alloys. Classification
EN ISO 15614-11	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 11: electron and laser beam welding
EN ISO 10675-1	Non-destructive testing of welds - Acceptance levels for radiographic testing - Part 1: Steel, nickel, titanium and their alloys

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EN ISO 10042:2005	Welding - Arc-welded joints in aluminium and its alloys - Quality levels for imperfections
EN ISO 14343	Welding consumables - Wire electrodes, strip electrodes, wires and rods for fusion welding of stainless and heat resisting steels - Classification
EN ISO 14172:2008	Welding consumables. Covered electrodes for manual metal arc welding of nickel and nickel alloys. Classification
EN ISO 14175	Welding consumables - Gases and gas mixtures for fusion welding and allied processes
EN ISO 14175:2008	Welding consumables - Gases and gas mixtures for fusion welding and allied processes
EN ISO 10270:2008	Corrosion of metals and alloys - Aqueous corrosion testing of zirconium alloys for use in nuclear power reactors
EN ISO 4034	Hexagon nuts. Product grade C
EN ISO 10270	Corrosion of metals and alloys - Aqueous corrosion testing of zirconium alloys for use in nuclear power reactors
EN ISO 14732	Welding Personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN ISO 15609-1:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding
EN ISO 13919-1:1996	Welding. Electrons and laser beam welded joints. Guidance on quality levels for imperfections - Part 1: steel
EN ISO 148-2:2008	Metallic materials - Charpy pendulum impact test - Part 2: Verification of testing machines
EN ISO 15614-1:2017	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
EN ISO 15607:2003	Specification and qualification of welding procedures for metallic materials - General rules

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EN ISO 148-1:2010	Metallic materials - Charpy pendulum impact test - Part 1: Test method
EN ISO 15614-1:2012	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
EN ISO 15609-3	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 3: Electron beam welding
EN ISO 14731	Welding coordination - Tasks and responsibilities
EN ISO 15609-4:2009	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 4: Laser beam welding
EN ISO 15609-4	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 4: Laser beam welding
EN ISO 15609-3:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 3: Electron beam welding
EN ISO 13919-1	Welding. Electrons and laser beam welded joints. Guidance on quality levels for imperfections - Part 1: steel
EN ISO 1127	Stainless steel tubes - Dimensions, tolerances and conventional masses per unit length
EN ISO 148-1	Metallic materials - Charpy pendulum impact test - Part 1: Test method
EN ISO 10893-10	Non-destructive testing of steel tubes - Part 10: Automated full peripheral ultrasonic testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of longitudinal and/or transverse imperfections
EN ISO 10893-10:2011	Non-destructive testing of steel tubes - Part 10: Automated full peripheral ultrasonic testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of longitudinal and/or transverse imperfections

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EN ISO 10893-2	Non-destructive testing of steel tubes - Part 2: Automated eddy current testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of imperfections
EN ISO 10893-2:2011	Non-destructive testing of steel tubes - Part 2: Automated eddy current testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of imperfections
EN ISO 148-2	Metallic materials - Charpy pendulum impact test - Part 2: Verification of testing
EN ISO 10893-3:2011	Non-destructive testing of steel tubes - Part 3 Automated full peripheral flux leakage testing of seamless and welded (except submerged arc-welded) ferromagnetic steel tubes for the detection of longitudinal and/or transverse imperfections
EN ISO 14732:2013	Welding Personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN ISO 1127:1996	Stainless steel tubes - Dimensions, tolerances and conventional masses per unit length
EN ISO 11699-1	Non-destructive testing. Industrial radiographic film. Classification of film for industrial radiography
EN ISO 11699-1:2011	Non-destructive testing. Industrial radiographic film. Classification of film for industrial radiography
EN ISO 13919-2:2001	Welding - Electron and laser beam welded joints - Guidance on quality levels for imperfections - Part 2: aluminium and its weldable alloys
EN ISO 13919-2	Welding - Electron and laser beam welded joints - Guidance on quality levels for imperfections - Part 2: aluminium and its weldable alloys
EN ISO 15613	Specification and qualification of welding procedures for metallic materials - Qualification based on pre-production welding test

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EN ISO 10893-3	Non-destructive testing of steel tubes - Part 3 Automated full peripheral flux leakage testing of seamless and welded (except submerged arc-welded) ferromagnetic steel tubes for the detection of longitudinal and/or transverse imperfections
EN ISO 9606-1	Qualification test of welders - Fusion welding - Part1: Steels
EN ISO 8492:2014	Metallic materials - Tube - Flattening test
EN ISO 8493	Metallic materials. Tube. Drift-expanding test
EN ISO 8493:2004	Metallic materials. Tube. Drift-expanding test
EN ISO 898-1	Mechanical properties of fasteners made of carbon steel and alloy steel - Part 1: bolts, screws and studs with specified property classes - Coarse thread and fine pitch thread
EN ISO 898-1:2013	Mechanical properties of fasteners made of carbon steel and alloy steel - Part 1: bolts, screws and studs with specified property classes - Coarse thread and fine pitch thread
EN ISO 898-2	Mechanical properties of fasteners made of carbon steel and alloy steel - Part 2: nuts with property classes. Coarse thread and fine pitch thread
EN ISO 9001	Quality management systems - Requirements
EN ISO 9015-1	Destructive tests on welds in metallic materials. Hardness testing. Hardness test on arc welded joints
EN ISO 9015-1:2011	Destructive tests on welds in metallic materials. Hardness testing. Hardness test on arc welded joints
EN ISO 9717	Metallic and other inorganic coatings - Method for specifying phosphate conversion coatings of metals
EN ISO 9513:2013	Metallic materials. Calibration of extensometers systems used in uniaxial testing
EN ISO 7500-1	Metallic materials. Verification of static uniaxial testing machines. Tension/compression testing machines. Verification and calibration of the force-measuring system
EN ISO 9606-1:2013	Qualification test of welders - Fusion welding - Part1: Steels

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EN ISO 9606-2	Qualification test of welders - Fusion welding - Part 2: aluminium and aluminium alloys
EN ISO 9606-2:2004	Qualification test of welders - Fusion welding - Part 2: aluminium and aluminium alloys
EN ISO 9606-4:1999	Qualification testing of welders - Fusion welding - Part 1: Nickel and Nickel alloys
EN ISO 9606-5	Approval testing of welders - Fusion welding - Part 5: titanium and titanium alloys, zirconium and zirconium alloys
EN ISO 9606-5:2000	Approval testing of welders - Fusion welding - Part 5: titanium and titanium alloys, zirconium and zirconium alloys
EN ISO 9712	Non-destructive testing - Qualification and certification of NDT personnel
EN ISO 4032	Hexagon nuts, style 1. Product grades A and B
EN ISO 9513	Metallic materials. Calibration of extensometers systems used in uniaxial testing
EN ISO 6520-1:2007	Welding and allied processes. Classification of geometric imperfections in metallic materials. Fusion welding
EN ISO 6507-1	Conformity assessment. Supplier’s declaration of conformity. General requirements
EN ISO 6507-1:2005	Conformity assessment. Supplier’s declaration of conformity. General requirements
EN ISO 6507-3	Metallic materials. Vickers hardness test. Calibration of reference blocks
EN ISO 6507-3:2005	Metallic materials. Vickers hardness test. Calibration of reference blocks
EN ISO 6508-1	Metallic materials. Rockwell hardness test. Test method (scales A, B, C, D, E, F, G, H, K, N, T)
EN ISO 6508-1:2005	Metallic materials. Rockwell hardness test. Test method (scales A, B, C, D, E, F, G, H, K, N, T)

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EN ISO 6508-2	Metallic materials. Rockwell hardness test. Verification and calibration of testing machines (scales A, B, C, D, E, F, G, H, K, N, T)
EN ISO 6508-2:2005	Metallic materials. Rockwell hardness test. Verification and calibration of testing machines (scales A, B, C, D, E, F, G, H, K, N, T)
EN ISO 6508-3	Metallic materials. Rockwell hardness test. Calibration and reference blocks (scales A, B, C, D, E, F, G, H, K, N, T)
EN ISO 8492	Metallic materials - Tube - Flattening test
EN ISO 6520-1	Welding and allied processes. Classification of geometric imperfections in metallic materials. Fusion welding
EN ISO 7500-1:2004	Metallic materials. Verification of static uniaxial testing machines. Tension/compression testing machines. Verification and calibration of the forcemeasuring system
EN ISO 6847	Welding consumables. Deposition of a weld metal pad for chemical analysis
EN ISO 6847:2013	Welding consumables. Deposition of a weld metal pad for chemical analysis
EN ISO 6892-1	Metallic materials - Tensile testing - Part 1: method of test at room temperature
EN ISO 6892-1:2009	Metallic materials - Tensile testing - Part 1: Method of test at room temperature
EN ISO 6892-2	température élevée
EN ISO 6892-2:2010	Metallic materials - Tensile testing - Part 2: method of test at elevated temperature
EN ISO 6947	Welding and allied processes - Welding positions. Definitions of angles of slope and rotation
EN ISO 6947:2011	Welding and allied processes - Welding positions. Definitions of angles of slope and rotation
EN ISO 7438:2005	Metallic materials - Bend test

General & Miscellaneous	
EN ISO 9717:2013	Metallic and other inorganic coatings - Method for specifying phosphate conversion coatings of metals
EN ISO 6508-3:2005	Metallic materials. Rockwell hardness test. Calibration and reference blocks (scales A, B, C, D, E, F, G, H, K, N, T)
IEC 1000	TC 77: Electromagnetic compatibility
IEC 273	SC 36C: Characteristics of indoor and outdoor post insulators for systems with nominal voltages greater than 1,000 V
IEC 265	SC 17A: High-voltage switches
IEC 185	TC 38: Current transformers
IEC 183	Guide to the selection of HV cables
IEC 168	SC 36C: Tests on indoor and outdoor post insulators of ceramic material or glass for system s with nominal voltage greater than 1000 V
IEC 146	SC 22B: Semiconductor converters
IEC 129	SC 17A: Alternating current disconnectors (isolators) and earthing switches
IEC 1140	TC 64: Protection against electric shock. Common aspects for installation and equipment
EN ISO 9712:2012	Non-destructive testing - Qualification and certification of NDT personnel
IEC 1010	TC 66: Safety requirements for electrical equipment for measurement, control, and laboratory use
IEC 300	TC 56: Reliability and maintainability management
Guide ASN 2/01	Guide de l'ASN: ASN/GUIDE/2/01
GIBER 88	R.J. GIBERT
FEM 1.001	Fédération européenne de la manutention - 3ème édition des règles pour le calcul des appareils de levage

General & Miscellaneous	
FD-CR 13445-7	Récipients sous pression non soumis à la flamme - Partie 7 : Guide pour l'utilisation des procédures d'évaluation de la conformité
FD TR 13480-7	Tuyauteries industrielles métalliques - Partie 7: guide pour l'utilisation des procédures d'évaluation de la conformité
FD E 29-307	Robinetterie industrielle Nomenclature des pièces constitutives des principaux appareils de robinetterie
FD E 05-051	États de surface Moyens de mesure. Échantillons de comparaison viso-tactile
FD CEN/TR 13931	Pompes rotodynamiques - Forces et moments applicables aux brides - Pompes centrifuges, hélico-centrifuges et hélices à axes horizontal et vertical
FD CEN ISO/TR 16060	Destructive tests on welds in metallic materials - Etchants for macroscopic and microscopic examination
IEC 1131	SC 65B: Programmable controllers
IEC 60	TC 42: High-voltage test techniques
EN ISO 9905	Technical specifications for centrifugal pumps - Class 1
EN ISO 9905:1997	Technical specifications for centrifugal pumps - Class 1
EN ISO 9906	Rotodynamic pumps - Hydraulic performance acceptance tests - Grades and 2
EN ISO 9906:1999	Rotodynamic pumps - Hydraulic performance acceptance tests - Grades and 2
ETAG 001	GUIDELINE FOR EUROPEAN TECHNICAL APPROVAL OF METAL ANCHORS FOR USE IN CONCRETE
ETAG 001-1	Guide d'Agrément Technique Européen (ATE) N°001
ETAG 001-2	Guide d'Agrément Technique Européen (ATE) N°001
ETAG 001-3	Guide d'Agrément Technique Européen (ATE) N°001
ETAG 001-4	Guide d'Agrément Technique Européen (ATE) N°001
IEC 287	SC 20A: Calculation of the continuous current rating of cables

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ETAG 001-6	Guide d'Agrément Technique Européen (ATE) N°001
IEC 289	SC 14C: Reactors
IEC 59	TC 8: IEC standard current ratings
IEC 56	SC 17A: High-voltage alternating-current circuit-breakers
IEC 529	TC70: Degrees of protection provided by enclosures
IEC 50	TC 1: International electro-technical vocabulary
IEC 438	TC 36: Test and dimensions for high-voltage d.c. insulators
IEC 38	TC 8: IEC standard voltages
IEC 364	TC 64: Electrical installations in buildings
IEC 332	SC 20C: Test on electric cables under fire conditions
IEC 331	SC 20C: Fire resisting characteristics of electrical cables
EN ISO 6506-2:2005	Metallic materials. Brinell hardness test. Verification and calibration of testing machines
ETAG 001-5	Guide d'Agrément Technique Européen (ATE) N°001
EN ISO 23279:2010	Non-destructive testing of welds - Ultrasonic testing - Characterization of indications in welds
EN ISO 20361	Liquid pumps and pump units - Noise test code - Grades 2 and 3 of accuracy
EN ISO 20361:2009	Liquid pumps and pump units - Noise test code - Grades 2 and 3 of accuracy
EN ISO 204	Metallic materials - uniaxial creep testing in tension - Method of test
EN ISO 204:2009	Metallic materials - uniaxial creep testing in tension - Method of test
EN ISO 20482	Metallic materials. Sheet and strip. Erichsen cupping test
EN ISO 20482:2013	Metallic materials. Sheet and strip. Erichsen cupping test

General & Miscellaneous	
EN ISO 2063	Thermal spraying. Metallic and other inorganic coatings. Zinc, aluminium and their alloys
EN ISO 2063:2005	Thermal spraying. Metallic and other inorganic coatings. Zinc, aluminium and their alloys
EN ISO 2082	Metallic and other inorganic coatings - Electroplated coatings of cadmium
EN ISO 6506-3:2003	Metallic materials. Brinell hardness test. Calibration of reference blocks
EN ISO 23279	Caractérisation des indications dans les assemblages soudés
EN ISO 19232-1:2013	Non-destructive testing - Image quality of radiographs - Part 1: Determination of the image quality value using wire-type image quality indicators
EN ISO 2400	Non-destructive testing. Ultrasonic testing. Specification for calibration block No.1
EN ISO 2400:2012	Non-destructive testing. Ultrasonic testing. Specification for calibration block No. 1
EN ISO 2560	Welding consumables. Covered electrodes for manual metal arc welding of non-alloy and fine grain steels. Classification
EN ISO 2560:2009	Welding consumables. Covered electrodes for manual metal arc welding of nonalloy and fine grain steels. Classification
EN ISO 3452-1	Non-destructive testing. Penetrant testing - Part 1: General principles
EN ISO 3452-1:2013	Non-destructive testing. Penetrant testing - Part 1: General principles
EN ISO 3452-2	Non-destructive testing. Penetrant testing - Part 2: Testing of penetrant materials
EN ISO 3452-2:2013	Non-destructive testing. Penetrant testing - Part 2: Testing of penetrant materials
EN ISO 3452-3	Non-destructive testing. Penetrant testing.Part 3: Reference test blocks

General & Miscellaneous	
EN ISO 2082:2008	Metallic and other inorganic coatings - Electroplated coatings of cadmium with supplementary treatments on iron or steel
EN ISO 16827:2014	Non-destructive testing. Ultrasonic testing. Characterization and sizing of discontinuities
EN ISO 15614-5	Specification and qualification of welding procedures for metallic materials - Welding procedure tests - Part 5: arc welding of titanium, zirconium and their alloys
EN ISO 15614-5:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure tests - Part 5: arc welding of titanium, zirconium and their alloys
EN ISO 15614-8	Specification and qualification of welding procedures for metallic materials - Welding procedure tests - Part 8: welding of tubes to tube-plate joints
EN ISO 15614-8:2002	Specification and qualification of welding procedures for metallic materials - Welding procedure tests - Part 8: welding of tubes to tube-plate joints
EN ISO 15792-1	Welding consumables - Test methods - Part 1: Test methods for all-weld metal test specimens in steel, nickel and nickel alloys
EN ISO 15792-1:2008	Welding consumables - Test methods - Part 1: Test methods for all-weld metal test specimens in steel, nickel and nickel alloys
EN ISO 16810	Non-destructive testing. Ultrasonic examination. General principles
EN ISO 16810:2014	Non-destructive testing. Ultrasonic examination. General principles
EN ISO 16811	Non-destructive testing. Ultrasonic testing. Sensitivity and range setting
EN ISO 19232-2:2013	E: Non-destructive testing - Image quality of radiographs - Part 2: Determination of the image quality value using step/hole-type image quality indicators
EN ISO 16827	Non-destructive testing. Ultrasonic testing. Characterization and sizing of discontinuities

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EN ISO 19232-2	Non-destructive testing - Image quality of radiographs - Part 2: determination of the image quality value using step/hole-type image quality indicators
EN ISO 17672	Brazing - Filler metals
EN ISO 17672:2010	Brazing - Filler metals
EN ISO 17769-1	Liquid pumps and installation - General terms, definitions, quantities, letter symbols and units - Part 1: Liquid pumps
EN ISO 17769-1:2012	Liquid pumps and installation - General terms, definitions, quantities, letter symbols and units - Part 1: Liquid pumps
EN ISO 17769-2	Liquid pumps and installation - General terms, definitions, quantities, letter symbols and units - Part 2: pumping System
EN ISO 17769-2:2012	Liquid pumps and installation - General terms, definitions, quantities, letter symbols and units - Part 2: pumping System
EN ISO 18273	Welding consumables - Wire electrodes, wires and rods for welding of aluminium and aluminium alloys - Classification
EN ISO 18273:2004	Welding consumables - Wire electrodes, wires and rods for welding of aluminium and aluminium alloys - Classification
EN ISO 19232-1	Non-destructive testing - Image quality of radiographs -
EN ISO 3452-5:2008	Non-destructive testing - Penetrant testing - Part 5: Penetrant testing at temperatures higher than 50°C
EN ISO 16811:2014	Non-destructive testing. Ultrasonic testing. Sensitivity and range setting
EN ISO 544	Welding consumables - Technical delivery conditions for filler materials and fluxes - Type of product, dimensions, tolerances and markings
EN ISO 3452-3:2013	Non-destructive testing. Penetrant testing.Part 3: Reference test blocks
EN ISO 4628-3:2003	Paints and varnishes. Evaluation of degradation of coatings. Designation of quantity and size of defects, and of intensity of uniform changes in appearance. Assessment of degree of rusting

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EN ISO 4759-1	Tolerances for fasteners. Bolts, screws, studs and nuts. Product grades A, B, C
EN ISO 4759-1:2001	Tolerances for fasteners. Bolts, screws, studs and nuts. Product grades A, B, C
EN ISO 5173	Destructive tests on welds in metallic materials - Bend tests
EN ISO 5173/A1	Destructive tests on welds in metallic materials - Bend tests
EN ISO 5173:2010	Destructive tests on welds in metallic materials - Bend tests
EN ISO 5178	Longitudinale du métal fondu des assemblages soudés par fusion
EN ISO 5178:2011	Destructive tests on welds in metallic materials. Longitudinal tensile test on weld metal in fusion welded joints
EN ISO 4288:1998	Geometric product specification (GPS). Surface texture. Profile method: Rules and procedures for the assessment of surface texture
EN ISO 5199:2002	Technical specifications for centrifugal pumps - Class II
EN ISO 4288	Geometric product specification (GPS). Surface texture. Profile method: Rules and procedures for the assessment of surface texture
EN ISO 544:2011	Welding consumables - Technical delivery conditions for filler materials and fluxes - Type of product, dimensions, tolerances and markings
EN ISO 5817:2007	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
EN ISO 6158	Metallic and other inorganic coatings - Electrodeposited coatings
EN ISO 6158:2011	Metallic and other inorganic coatings - Electrodeposited coatings of chromium for engineering purposes
EN ISO 643	Steels. Micrographic determination of the apparent grain size
EN ISO 643:2012	Steels. Micrographic determination of the apparent grain size
EN ISO 6506-1	Metallic materials. Brinell hardness test. Test method

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EN ISO 6506-1:2006	Metallic materials. Brinell hardness test. Test method
EN ISO 6506-2	Metallic materials. Brinell hardness test. Verification and calibration of testing machines
EN ISO 15614-2:2005	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 2: arc welding of aluminium and its alloys
EN ISO 5199	Technical specifications for centrifugal pumps - Class II
EN ISO 6506-3	Metallic materials. Brinell hardness test. Calibration of reference blocks
EN ISO 3452-6	Non-destructive testing - Penetrant testing - Part 6: Penetrant testing
EN ISO 3452-6:2008	Non-destructive testing - Penetrant testing - Part 6: Penetrant testing at temperatures lower than 10°C
EN ISO 3506-1	Mechanical properties of corrosion-resistant stainless-steel fasteners - Part 1: bolts, screws and studs
EN ISO 3506-1:2009	Mechanical properties of corrosion-resistant stainless-steel fasteners - Part 1: bolts, screws and studs
EN ISO 3506-2	Mechanical properties of corrosion-resistant stainless-steel fasteners - Part 2: nuts
EN ISO 3506-2:2009	Mechanical properties of corrosion-resistant stainless-steel fasteners - Part 2: nuts
EN ISO 3677	Filler metal for soft soldering, brazing and braze welding. Designation
EN ISO 3677:1995	Filler metal for soft soldering, brazing and braze welding. Designation
EN ISO 4628-3	Paints and varnishes. Evaluation of degradation of coatings. Designation of quantity and size of defects, and of intensity of uniform changes in appearance. Assessment of degree of rusting
EN ISO 4032:2012	Hexagon nuts, style 1. Product grades A and B

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EN ISO 3452-5	Non-destructive testing - Penetrant testing - Part 5: Penetrant testing
EN ISO 4034:2012	Hexagon nuts. Product grade C
EN ISO 4063	Welding and allied processes. Nomenclature of processes and reference numbers
EN ISO 4063:2010	Welding and allied processes. Nomenclature of processes and reference numbers
EN ISO 4126-2	Safety devices for protection against excessive pressure - Part 2: bursting disc safety devices
EN ISO 4136	Destructive tests on welds in metallic materials - Transverse tensile test
EN ISO 4136:2013	Destructive tests on welds in metallic materials. Transverse tensile test
EN ISO 3834-2	Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements
ISO 5459:2011	Geometrical product specifications (GPS) - Geometrical tolerancing - Datums and datum systems
IEC 71	TC 28: Insulation co-ordination
IEC 76	TC 14: Power transformers
IS US 319.21	Recommandation concernant le contrôle manuel par ultrasons des soudures à pleine pénétration
IEC 728	SC 12G: Cable distribution systems
IEC 754	Tests on gases involved during combustion of electric cables
ISO 7438	Metallic materials - Bend test
IEC 801	SC 65A: Electromagnetic compatibility for industrial-process measurement and control equipment
ISO 5459	Geometrical product specifications (GPS) - Geometrical tolerancing - Datums and datum systems

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ISO 16625	Appareils de levage à charge suspendue et treuils - Choix des câbles, tambours et poulies
ISO 261	ISO general purpose metric screw threads. General plan
ISO 261:1998	ISO general purpose metric screw threads. General plan
ISO 262	ISO general purpose metric screw threads. Selected sizes for screws, bolts and nuts
ISO 262:1998	ISO general purpose metric screw threads. Selected sizes for screws, bolts and nuts
ISO 16625:2013	Cranes and hoists - Selection of wire ropes, drums and sheaves
IEC 617	TC 3: Graphical symbols for diagrams
IEC 99	TC 37: Surge arresters
IEC 947	SC 17B: Low-voltage switchgear and control-gear
IEC 853	Calculation of the cyclic and emergency current ratings of cables
IEEC C95.1-1991	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
ISO 10816-7	Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 7: Rotodynamic pumps for industrial applications, including measurements on rotating shafts
IEC 871	TC 33: Shunt capacitors for a.c. power systems having a rated voltage above 660V
ISO 12135:2002	Metallic materials - Unified method of test for the determination of quasistatic fracture toughness
ISO 12135 (+ AC1)	Metallic materials - Unified method of test for the determination of quasistatic fracture toughness
ISO 12135	Matériaux métalliques Méthode unifiée d’essai pour la détermination de la ténacité quasi statique

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ISO 6708	Pipework components - Definition and selection of DN (nominal size)
ISO 6708:1995	Pipework components - Definition and selection of DN (nominal size)
ISO 12108:2002	Metallic materials. Fatigue testing. Fatigue crack growth method
ISO 12108	Matériaux métalliques - Essais de fatigue - Méthode d'essai de propagation de fissure en fatigue
ISO 11881:1999	Corrosion of metals and alloys - Exfoliation corrosion testing of aluminium alloys
ISO 11881	Corrosion of metals and alloys - Exfoliation corrosion testing of aluminium alloys
IEC 919	SC 22F: Performance of high-voltage d.c. (HVDC) systems
ISO 965-2	ISO general purpose metric screw threads - Tolerances - Limits of sizes for general purpose external and internal screw threads. Medium quality
NF A05-165	Produits en acier - Méthode manuelle d'estimation statistique de la fraction volumique d'un constituant à l'aide de grilles de points
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part1: Design Criteria
ISO 965-2:1998	ISO general purpose metric screw threads - Tolerances - Limits of sizes for general purpose external and internal screw threads. Medium quality
ISO 965-1	ISO general purpose metric screw threads - Tolerances - Part 1: Principles and basic data
ISO/TR 15608	Soudage - Lignes directrices pour un système de groupement des matériaux métalliques
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part 2: Construction
ISO/CEI 17000	Évaluation de la conformité - Vocabulaire et principes généraux

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NF A36-200	Influence des traitements thermiques après soudage sur les propriétés mécaniques des aciers pour chaudières et appareil à pression
NF A32-060	Produits de fonderie - Aciers et alliages de nickel moulés pour pompes, vannes, robinetterie (enceintes et pièces internes)
MSS SP 43	Wrought Stainless Steel Butt-Welding Fittings
NF A05-301	Alliages d'aluminium - Essai de corrosion sous contrainte des produits épais
Loi 2006-686 (TSN)	Loi n° 2006-686 du 13 juin 2006 relative à la transparence et à la sécurité en matière nucléaire
NF A04-503	Demi-produits en aluminium, cuivre, nickel et leurs alliages. Détermination de la grosseur de grain. Aluminium, alliages d'aluminium
NF A02-011	Aluminium et alliages d'aluminium - Vocabulaire des traitements thermiques et mécaniques
ISO 965-1:2013	ISO general purpose metric screw threads - Tolerances - Part 1: Principles and basic data
NF A09-107	Contrôle d'étanchéité à l'aide d'ammoniac. Localisation des fuites - méthode à la ventouse
ASTM E83a:2010	Standard Practice for Verification and Classification of Extensometer System
ASTM G38:2007	Standard practice for making and using C-ring stress-corrosion test specimens
AIEA GS-G 3.5	The Management System for Nuclear Installations Safety Guide
ASTM G38	Standard practice for making and using C-ring stress-corrosion test specimens
AIEA GS R3	AIEA Prescriptions de Sûreté n° GS-R-3 Système de gestion des installations et des activités pour la protection des personnes et de l'environnement

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ASTM G36	Standard Practice for Evaluating Stress-Corrosion-Cracking Resistance of Metals and Alloys in a Boiling Magnesium Chloride Solution
AIEA/STI/PUB/1290	Glossaire de sûreté / Safety Glossary
ASTM E83a	Standard Practice for Verification and Classification of Extensometer System
AIEA GS-G 3.1	Application of the Management System for Facilities and Activities Safety Guide
ASTM E647:2013	Standard Test Method for Measurement of Fatigue Crack Growth Rates
ASTM E647	Standard Test Method for Measurement of Fatigue Crack Growth Rates
ASTM G36:2006	Standard Practice for Evaluating Stress-Corrosion-Cracking Resistance of Metals and Alloys in a Boiling Magnesium Chloride Solution
AWS A5.23	Specification for Low Alloy Steel Electrodes and Fluxes for Submerged Arc Welding
AFPS 90	Recommandations pour la rédaction de règles relatives aux ouvrages et installations à réaliser dans les régions sujettes aux séismes
ASME B16.11:2016	Forged Steel Fittings, Socket-Welding and Threaded
AWS A5.9:2006	Specification for Bare Stainless Steel Welding Electrodes and Rods
AWS A5.9	Specification for Bare Stainless Steel Welding Electrodes and Rods
AWS A5.5:2006	Specification for Low Alloy Steel Covered Arc Welding Electrodes
AWS A5.5	Specification for Low Alloy Steel Covered Arc Welding Electrodes

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AWS A5.4:2006	Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding
AWS A5.4	Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding
AWS A5.28:2005	Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding
ASME B16.9:2012	Factory Made Wrought Steel Buttwelding Fittings
AWS A5.18:2005	Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding
AWS A5.23:1997	Specification for Low Alloy Steel Electrodes and Fluxes for Submerged Arc Welding
AWS A5.1	Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding
AWS A5.20:2005	Specification for Carbon Steel Electrodes for Flux Cored Arc Welding
AWS A5.20	Specification for Carbon Steel Electrodes for Flux Cored Arc Welding
AWS A5.18	Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding
AWS A5.17:1997	Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding
AWS A5.17	Specification for Carbon Steel Electrodes and Fluxes for Submerged Arc Welding
AWS A5.14:2005	Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods
AWS A5.14	Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods
AWS A5.11:2005	Specification for Nickel and Nickel Alloy Welding Electrodes for Shielded Metal Arc Welding

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AWS A5.11	Specification for Nickel and Nickel Alloy Welding Electrodes for Shielded Metal Arc Welding
AWS A5.10	Specification for aluminium and aluminium alloy bare welding rods and electrodes
AWS A5.28	Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding
ASME/ANSI B16.28:1994	Wrought Steel Buttwelding Short Radius Elbows and Returns
ASME B36.10	Welded and seamless wrought steel pipes
ASTM B352	Standard Specification for zirconium and zirconium alloy sheet, strip, and plate for nuclear application
Arrêté ESPN:2015	Arrêté du 30 décembre 2015 relatif aux équipements sous pression nucléaires
ASTM B351:2013	Standard Specification for hot-rolled and cold-finished zirconium and zirconium alloy bars, rod, and wire for nuclear application
ASTM B351	Standard Specification for hot-rolled and cold-finished zirconium and zirconium alloy bars, rod, and wire for nuclear application
ASTM B350:2011	Standard Specification for Zirconium and Zirconium Alloy Ingots for Nuclear Application
ASTM B350	Standard Specification for Zirconium and Zirconium Alloy Ingots for Nuclear Application
ASME/ANSI B16.5:2013	Pipe Flanges and Flanged Fittings
ASTM B353	Standard Specification for wrought zirconium and zirconium alloy seamless and welded tubes for nuclear service (Except nuclear fuel cladding)
ASTM B353:2012	Standard Specification for wrought zirconium and zirconium alloy seamless and welded tubes for nuclear service (Except nuclear fuel cladding)

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ASME/ANSI B16.25:2004	Pipe, valve, fitting and flange butt weld ends
ASME/ANSI B16.25	Pipe, valve, fitting and flange butt weld ends
ASME/ANSI B16.9:2012	Factory-Made Wrought Buttwelding Fittings
ASME/ANSI B36.10M:2004	Welded and Seamless Wrought Steel Pipe
ASTM A 453	Standard Specification for High-Temperature Bolting Materials, with Expansion Coefficients Comparable to Austenitic Stainless Steels
ASTM A 453:2012	Standard Specification for High-Temperature Bolting Materials, with Expansion Coefficients Comparable to Austenitic Stainless Steels
ASME BPVC Sec. IX	ASME Boiler and Pressure Vessel Code (BPVC) - Section IX - Qualification Standard for Welding, Brazing, and Fusing
ASTM E1025:2011	Standard pratice for design, manufacture and material grouping classification of hole-type Image Quality Indicators (IQI) used for radiology
ASTM E45	Standard Test Methods for Determining the Inclusion Content of Steel
ASTM E407:2007	Standard Practice for Microetching Metals and Alloys
ASTM E407	Standard Practice for Microetching Metals and Alloys
ASME B31.1	Power Piping
ASTM E208:1991	Standard Test Method for Conducting Drop-Weight Test to Determine Nil-Ductility Transition Temperature of Ferritic Steels
ASME/ANSI B16.11:2002	Forged Steel Fittings, Socket-Welding and Threaded
ASTM E208	Standard Test Method for Conducting Drop-Weight Test to Determine Nil-Ductility Transition Temperature of Ferritic Steels

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ASTM E192:2013	Standard Reference Radiographs for Investment Steel Castings of Aerospace Applications
ASTM E192	Standard Reference Radiographs for Investment Steel Castings of Aerospace Applications
ASTM B352:2011	Standard Specification for zirconium and zirconium alloy sheet, strip, and plate for nuclear application
ASTM E1820	Standard test method for measurement of fracture toughness
ASTM E45:2013	Standard Test Methods for Determining the Inclusion Content of Steel
ASTM E1025	Standard pratice for design, manufacture and material grouping classification of hole-type Image Quality Indicators (IQI) used for radiology
ANSI/ASME B16.34	Valves - flanged, threaded, and welding end
ASME B36.19	Stainless steel pipes
ASME B36.19M:2004	Stainless Steel Pipes
Arrêté RAF:2002	Arrêté du 21 novembre 2002 relatif à la réaction au feu des produits de construction et d'aménagement
Arrêté INB:2012	Arrêté du 7 février 2012 fixant les règles générales relatives aux installations nucléaires de base
ASTM E1820:2013	Standard test method for measurement of fracture toughness
EN 1759-1:2004	Flanges and their joints. Circular flanges for pipes, valves, fittings and accessories, class-designated. Steel flanges, NPS 1/2 to 24
EN 10272	Stainless steel bars for pressure purposes
EN 1759-1	Flanges and their joints. Circular flanges for pipes, valves, fittings and accessories, class-designated. Steel flanges, NPS 1/2 to 24
CISMA	Recommandations à l’usage des professionnels de la construction pour le dimensionnement de fixations par chevilles métalliques pour le béton

General & Miscellaneous	
CEN/TR 13931/AC	Rotodynamic pumps - Forces and moments on flanges - Centrifugal, mixed flow and flow horizontal and vertical shafts pumps
BLEVI 01	R.D. BLEVINS
BETBE 03	Génie Parasismique en 3 volumes
EN 10302	Creep resisting steels, nickel and cobalt alloys
EN 13445-6 V2	Unfired pressure vessels - Part 6: Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron
EN 13445-5 V3	Unfired pressure vessels - Part 5: Inspection and testing
EN 10273:2008	Hot rolled weldable steel bars for pressure purposes with specified elevated temperature properties
EN 287-1:2011	Qualification test of welders - Fusion welding - Part 1: Steels
EN 13445-8 V3	Unfired pressure vessels - Part 8: Additional requirements for pressure vessels of aluminium and aluminium alloys
EN 28839	Mechanical properties of fasteners. Bolts, screws, studs and nuts made of non-ferrous metals
EN 10273	Hot rolled weldable steel bars for pressure purposes with specified elevated temperature properties
CEN CR 13445-7	Unfired pressure vessels - Part 7: Guidance on the use of the conformity procedures
EN 13445-4 V3	Unfired pressure vessels - Part 4 : Fabrication
EN 28839:1992	Mechanical properties of fasteners. Bolts, screws, studs and nuts made of nonferrous metals
EN 13445-4/A1	Unfired pressure vessels - Part 4: Fabrication
EN 13445-8 V1	Unfired pressure vessels - Part 8: additional requirements for pressure vessels of aluminium and aluminium alloys

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EN 1779:1999	Non-destructive testing - Leak testing - Criteria for method and technique selection
EN 13445-3	Unfired pressure vessels - Part 3: Design
EN 16767	Industrial valves - Steel and cast iron check valves
EN 1984:2010	Industrial valves. Steel gate valves
EN 10253-4	Butt-welding pipe fittings - Part 4: Wrought austenitic and austenitic-ferritic (duplex) stainless steels with specific inspection requirements
EN 13445-2 V3	Unfired pressure vessels - Part 2: Materials
Décret 2007-1557	Décret n° 2007-1557 du 2 novembre 2007 relatif aux installations nucléaires de base et au contrôle, en matière de sûreté nucléaire, du transport de substances radioactives
EN 485-1/A1	Aluminium and aluminium alloys - Sheet, strip and plate - Part 1: technical conditions for inspection and delivery
EN 13445-2/A1	Unfired pressure vessels - Part 2: materials
EN 485-2	Aluminium and aluminium alloys - Sheet, strip and plate - Part 2: mechanical properties
EN 1984	Industrial valves. Steel gate valves
EN 16983	Disc springs - Quality specifications - Dimensions
EN 13445-1 V3	Unfired pressure vessels - Part 1: General
EN 1983	Industrial valves - Steel ball valves
EN 16984	Disc springs - Calculations
EN 1983:2013	Industrial valves - Steel ball valves
EN 13445-3 V3	Unfired pressure vessels - Part 3: Design
EN 10269	Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties

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EN 4632-001	Welded and brazed assemblies for aerospace constructions - Weldability and brazeability of materials - Part 001: General requirements
EN 4632-001:2008	Welded and brazed assemblies for aerospace constructions - Weldability and brazeability of materials - Part 001: General requirements
EN 4632-002	Welded and brazed assemblies for aerospace constructions - Weldability and brazeability of materials - Part 002: Homogeneous assemblies aluminium and aluminium alloys
EN 4632-003	Weldabilty and brazeability of materials in aerospace constructions - Part 003: Welding and brazing of homogeneous assemblies of unalloyed and low alloy steels
EN 13445-3:2002	Unfired pressure vessels - Part 3: Design
EN 4632-003:2010	Weldabilty and brazeability of materials in aerospace constructions - Part 003: Welding and brazing of homogeneous assemblies of unalloyed and low alloy steels
EN 10269:2013	Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties
EN 10253-2:2009	Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steeks with specific inspection requirements
EN 10253-4:2009	Butt-welding pipe fittings - Part 4: Wrought austenitic and austenitic-ferritic (duplex) stainless steels with specific inspection requirements
EN 4632-005	Weldabilty and brazeability of materials in aerospace constructions - Part 005: Homogeneous assemblies of heat resisting Ni or Co base alloys
EN 4632-005:2009	Weldabilty and brazeability of materials in aerospace constructions - Part 005: Homogeneous assemblies of heat resisting Ni or Co base alloys

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Code de l'environnement	Code de l'environnement - Livre V : Prévention des pollutions, des risques et des nuisances - Titre V : Dispositions particulières à certains ouvrages ou installations - Chapitre VII : Produits et équipements à risques
Codes/Standards referred in RCC MRx 2018 ()	Codes/Standards referred in RCC MRx 2018 ()
EN 13445-3/A2	Unfired pressure vessels - Part 3: Design
EN 10222-2	Steel forgings for pressure purposes - Part 2: ferritic and martensitic steels with specified elevated temperatures properties
EN 13018:2001	Non-destructive testing - Visual testing - General principles
EN 12516-2:2014	Industrial valves - Shell design strength - Part 2: calculation methods for steel valve shells
EN 12516-2	Industrial valves - Shell design strength - Part 2: calculation methods for steel valve shells
EN 13906-3:2002	Cylindrical helical springs made from round wire and bar - Calculation and design - Part3: torsion springs
EN 12516-1:2014	Industrial valves - Shell design strength - Part 1: tabulation method for steel valve shells
EN 10222-2:2000	Steel forgings for pressure purposes - Part 2: ferritic and martensitic steels with specified elevated temperatures properties
EN 13906-3	Cylindrical helical springs made from round wire and bar - Calculation and design - Part3: torsion springs
EN 12627	Industrial valves. Butt welding ends for steel valves
EN 1779	Non-destructive testing - Leak testing - Criteria for method and technique selection
EN 14341:2006	Industrial valves - Steel check valves
EN 10204:2004	Metallic products. Type of inspection documents

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EN 12392	Aluminium and aluminium alloys - Wrought products - Special requirements for products intended for the production of pressure equipment
EN 10210-1	Hot finished structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions
EN 10210-2	Hot-finished structural hollow sections of steel - Part 2: Tolerances, dimensions and sectional properties
EN 12516-1	Industrial valves - Shell design strength - Part 1: tabulation method for steel valve shells
EN 12668-1	Non-destructive testing. Characterization and verification of ultrasonic examination equipment - Part 1: Instruments
EN 12760	Valves - Socket weldings ends for steel valves
EN 12681:2003	Founding. Radiographic examination
EN 12681	Founding. Radiographic examination
EN 12668-3:2013	Non-destructive testing. Characterization and verification of ultrasonic examination equipment - Part 3: Combined equipment
EN 12668-3	Non-destructive testing. Characterization and verification of ultrasonic examination equipment - Part 3: Combined equipment
EN 12668-2:2010	Non-destructive testing. Characterization and verification of ultrasonic examination equipment - Part 2 :Probes
EN 10222-5	Steel forgings for pressure purposes - Part 5: martensitic, austenitic and austenitic-ferritic stainless steels
EN 12668-1:2010	Non-destructive testing. Characterization and verification of ultrasonic examination equipment - Part 1: Instruments
EN 13709	Industrial valves - Steel globe and globe stop and check valves
EN 10160	Ultrasonic testing of steel flat product of thickness equal or greater than 6 mm (reflection method)
EN 10160:1999	Ultrasonic testing of steel flat product of thickness equal or greater than 6 mm (reflection method)

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EN 10163-1	Delivery requirements for surface condition of hot-rolled steel plates, wide flats and sections - Part 1: General requirements
EN 10164	Steel products with improved deformation properties perpendicular to the surface of the product. Technical delivery conditions
EN 10164:2004	Steel products with improved deformation properties perpendicular to the surface of the product. Technical delivery conditions
EN 12627:1999	Industrial valves. Butt welding ends for steel valves
EN 12668-2	Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 2: probes
EN 13906-1:2002	Cylindrical helical springs made from round wire and bar - Calculation and design - Part 1: compression springs
EN 10217-1:2002	Welded steel tubes for pressure purposes - Technical delivery conditions - Part 1: electric welded and submerged arc welded non-alloy steel tubes with specified room temperature properties
EN 10217-2	Welded steel tubes for pressure purposes. Technical delivery conditions. Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties
EN 10217-2:2002	Welded steel tubes for pressure purposes. Technical delivery conditions. Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties
EN 1179:2003	Zinc and zinc alloys. Primary zinc
EN 1179	Zinc and zinc alloys. Primary zinc
EN 10219-1	Cold formed welded structural hollow sections of non-alloy and fine grain steels - Part 1: technical delivery requirements
EN 10213:2007	Steel castings for pressure purposes
EN 13906-2	Cylindrical helical springs made from round wire and bar - Calculation and design - Part 2: extension springs

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EN 60068-3-3	Environmental testing - Part 3: guidance seismic test methods for equipments
EN 10222-1	Steel forgings for pressure purposes - Part 1: General requirements for open die forgings
EN 13906-1	Cylindrical helical springs made from round wire and bar - Calculation and design - Part 1: compression springs
EN 1092:2013	Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories PN designated - Part 1: steel flanges
EN 1092	Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories PN designated - Part 1: steel flanges
EN 10221	Specification for surface quality classes for hot-rolled bars and rods. Technical delivery conditions
EN 10221:1996	Specification for surface quality classes for hot-rolled bars and rods. Technical delivery conditions
EN 10222-1:1998	Steel forgings for pressure purposes - Part 1: General requirements for open die forgings
EN 12266-1	Industrial valves - Testing of valves - Part 1: pressure tests, test procedures and acceptance criteria - Mandatory requirements
EN 10089	Hot-rolled steels for quenched and tempered springs - Technical delivery conditions
EN 10216-1	Seamless steel tubes for pressure purposes. Technical delivery conditions
EN 10216-1:2013	Seamless steel tubes for pressure purposes. Technical delivery conditions
EN 10216-2	Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 2: non-alloy and alloy steel tubes with specified elevated temperature properties
EN 12266-2:2012	Industrial valves - Testing of valves - Part 2: tests, test procedures and acceptance criteria - Supplementary criteria

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EN 10216-2:2013	Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 2: non-alloy and alloy steel tubes with specified elevated temperature properties
EN 10217-1	Welded steel tubes for pressure purposes - Technical delivery conditions - Part 1: electric welded and submerged arc welded non-alloy steel tubes with specified room temperature properties
EN 12266-1:2012	Industrial valves - Testing of valves - Part 1: pressure tests, test procedures and acceptance criteria - Mandatory requirements
EN 10216-5:2013	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 13709:2010	Industrial valves - Steel globe and globe stop and check valves
EN 12162/A1:2009	Liquid pumps - Safety requirements - Procedure for hydrostatic testing
EN 10216-5	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 13906-2:2002	Cylindrical helical springs made from round wire and bar - Calculation and design - Part 2: extension springs
EN 60068-3-3:1993	Environmental testing - Part 3: guidance seismic test methods for equipments
EN 10213+A1	Steel castings for pressure purposes
EN 12266-2	Industrial valves - Testing of valves - Part 2: tests, test procedures and acceptance criteria - Supplementary criteria
EN 10028-1/A1:2009	Flat products made of steels for pressure purposes - Part 1: General requirements
EN 10306:2002	Iron and steel. Ultrasonic testing of H beams with parallel flanges and IPE beams
EN 10307	Non-destructive testing. Ultrasonic testing of austenitic and austentitic-ferritic stainless steels flat products of thickness equal to or greater than 6 mm (reflection method)
EN 13480-3 V1	Metallic industrial piping - Part 3: Design and calculation

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EN 25580	Specification for minimum requirements for industrial radiographic illuminators for non-destructive testing
EN 10025-2	Hot rolled products of structural steels - Part 2: technical delivery conditions for non-alloy structural steels
EN 10307:2001	Non-destructive testing. Ultrasonic testing of austenitic and austentitic-ferritic stainless steels flat products of thickness equal to or greater than 6 mm (reflection method)
EN 10272:2008	Stainless steel bars for pressure purposes
EN 10028-1/A1	Flat products made of steels for pressure purposes - Part 1: General requirements
EN 13018	Non-destructive testing - visual testing - General principles
EN 10228-4:1999	Non-destructive testing of steel forgings - Part 4: Ultrasonic testing of austenitic and austenitic-ferritic stainless steel forgings
EN 13480-4 V1	Metallic industrial piping - Part 4: Fabrication and installation
EN 755-2	Aluminium and aluminium alloys - Extruded rod/bar, tube and profiles - Part 2: mechanical properties
EN 10028-2	Flat products made of steels for pressure purposes - Part 2: Non-alloy and alloy steels with specified elevated temperature properties
EN 10028-2:2009	Flat products made of steels for pressure purposes - Part 2: Non-alloy and alloy steels with specified elevated temperature properties
EN 12760:1999	Valves - Socket weldings ends for steel valves
EN 10025-2:2004	Hot rolled products of structural steels - Part 2: technical delivery conditions for non-alloy structural steels
EN 13192:2001	Non destructive testing - Leak testing - Calibration of reference leaks for gases
EN 13397:2001	Industrial valves - Diaphragm valves made of metallic materials
EN 13397	Industrial valves - Diaphragm valves made of metallic materials

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EN 1600:1997	Welding consumables. Covered electrodes for manual metal arc welding of stainless and heat resisting steels. Classification
EN 1600	Welding consumables. Covered electrodes for manual metal arc welding of stainless and heat resisting steels. Classification
EN 1593:1999	Non-destructive testing. Leak testing. Bubble emission techniques
EN 1593	Non-destructive testing. Leak testing. Bubble emission techniques
EN 10306	Iron and steel. Ultrasonic testing of H beams with parallel flanges and IPE beams
EN 25580:1992	Specification for minimum requirements for industrial radiographic illuminators for non-destructive testing
EN 573-3	Aluminium and aluminium alloys. Chemical composition and form of wrought products. Chemical composition - Part 3: Chemical composition and form of products
Directive 2014/68/EU	Directive 2014/68/UE du parlement européen et du Conseil du 15 mai 2014 relative à l'harmonisation des législations des Etats membres concernant la mise à disposition sur le marché des équipements sous pression
EN 13192	Non destructive testing - Leak testing - Calibration of reference leaks for gases
EN 13185:2001	Non destructive testing - Leak testing - Tracer gas method
EN 13185	Non-destructive testing. Leak testing. Tracer gas method
EN 13480-2 V1	Metallic industrial piping - Part 2: Materials
EN 10028-7	Flat products made of steels for pressure purposes - Part 7: Stainless steels
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EN 20898-2:1993	Mechanical properties of fasteners - Part 2: nuts with specified proof load values. Coarse thread
EN 24497:1993	Metallic powders. Determination of particle size by dry sieving

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EN 10083-3	Steels for quenching and tempering. Technical delivery conditions for alloy steels
EN 10083-3:2006	Steels for quenching and tempering. Technical delivery conditions for alloy steels
EN 10222-5:2000	Steel forgings for pressure purposes - Part 5: Martensitic, austenitic and austenitic-ferritic stainless steels
EN 736-1	Valves - Terminology. Definition of types of valves
EN 10219-2	Cold formed welded steel structural hollow sections - Part 2: tolerances, dimensions and sectional properties
EN 1993-1-1	Eurocode 3 - Design of steel structures - Part 1-1: general rules and rules for buildings
EN 736-2	Valves - Terminology. Definition of components of valves
EN 12797:2001	Brazing - Destructive tests of brazed joints
EN 10088-2:2014	Stainless steels - Part 2: Technical delivery conditions for corrosion-resistant steel sheet and strip for general use
EN 12797	Brazing - Destructive tests of brazed joints
EN 10088-3	Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes
EN 10088-3:2014	Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes
EN 10253-2	Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steeks with specific inspection requirements
EN 24497	Metallic powders. Determination of particle size by dry sieving
EN 10228-4	Non-destructive testing of steel forgings - Part 4: Ultrasonic testing of austenitic and austenitic-ferritic stainless steel forgings
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EN 755-1	Aluminium and aluminium alloys. Extruded rod/bar, tube and profiles - Part 1: technical conditions for inspection and delivery
EN 754-2	Aluminium and aluminium alloys - Cold drawn rod/bar and tube - Part 2: mechanical properties
EN 754-1	Aluminium and aluminium alloys - Cold drawn rod/bar and tube - Part 1: technical conditions for inspection and delivery
EN 593/A1	Industrial valves - Metallic butterfly valves
EN 10228-3	Non-destructive testing of steel forgings. Ultrasonic testing of ferritic or martensitic steel forgings
EN 13480-6 V1	Metallic industrial piping - Part 6: Additional requirements for buried piping
EN 736-1:1995	Valves - Terminology. Definition of types of valves
EN 736-3:2008	Valves - Terminology - Part 3: definition of terms
EN 10228-3:1998	Non-destructive testing of steel forgings. Ultrasonic testing of ferritic or martensitic steel forgings
EN 736-3	Valves - Terminology - Part 3: Definition of terms
EN 10052	Vocabulary of heat treatment terms for ferrous products
EN 10052:1994	Vocabulary of heat treatment terms for ferrous products
EN 736-2:1997	Valves - Terminology. Definition of components of valves
EN 10089:2002	Hot-rolled steels for quenched and tempered springs - Technical delivery conditions
EN 593/A1:2011	Industrial valves - Metallic butterfly valves
NF EN 10217-1	Welded steel tubes for pressure purposes - Technical delivery conditions - Part 1: electric welded and submerged arc welded non-alloy steel tubes with specified room temperature properties
NF EN 10217-1/A1	Welded steel tubes for pressure purposes - Technical delivery conditions - Part 1: electric welded and submerged arc welded non-alloy steel tubes with specified room temperature properties

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NF EN 10217-2	Tubes soudés en acier pour service sous pression - Conditions techniques de livraison - Partie 2: Tubes soudés électriquement en acier non allié avec caractéristiques spécifiées à haute température élevée
NF EN 10217-2/A1	Welded steel tubes for pressure purposes - Technical delivery conditions - Part 2: electric welded non-alloy and alloy steel tubes with specified elevated temperature properties
NF EN 10052	Vocabulaire du traitement thermique des produits ferreux
NF EN 10216-5	Tubes sans soudure en acier pour service sous pression - Conditions techniques de livraison - Partie 5 : Tubes en acier inoxydable
NF EN 10219-1	Profils creux pour la construction formés à froid en aciers de construction non alliés et à grains fins - Partie 1: conditions techniques de livraison
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NF EN 10088-2	Aciers inoxydables - Partie 2 : conditions techniques de livraison des tôles et bandes en acier de résistance à la corrosion pour usage général
NF EN 10088-3	Aciers inoxydables - Partie 3: conditions techniques de livraison pour les demi-produits, barres, fils machines, fils tréfilés, profils et produits transformés à froid en acier résistant à la corrosion pour usage général
NF EN 10089	Aciers laminés à chaud pour ressorts trempés et revenus Conditions techniques de livraison
NF E22-621	Assemblages frettés sur portée cylindrique - fonction, réalisation, calcul
NF EN 10210-1	Hot finished structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions

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NF EN 10219-2	Profils creux pour la construction formés à froid en aciers de construction non alliés et à grains fins - Partie 2: tolérances, dimensions et caractéristiques du profil
NF EN 10221	Classes de qualité de surface des barres et fils machine laminés à chaud - Conditions techniques de livraison
NF EN 10083-3	Aciers pour trempe et revenu - Partie 3: conditions techniques de livraison des aciers alliés
NF EN 10164	Aciers de construction à caractéristiques améliorées dans le sens perpendiculaire à la surface du produit. Conditions techniques de livraison
NF EN 10163-1	Delivery requirements for surface conditions of hot-rolled steel plates, wide flats and sections - Part 1: general requirements
NF E81-103	Fonds bombés - Fonds elliptiques (ELL) - Dimensions
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NF E25-404	Ecrous carrés. Grades C - Symbole Q
NF E25-403	Ecrous carrés. Grades A et B - Symbole Q
NF EN 10216-1	Tubes sans soudure en acier pour service sous pression - Conditions techniques de livraison - Partie 1: tubes en acier non allié avec caractéristiques spécifiées à température ambiante
NF EN 10160	Contrôle ultrasonore des produits plats en acier d'épaisseur supérieure ou égale à 6 mm (méthode par réflexion)
NF EN 10222-1	Pièces forgées en acier pour appareils à pression - Partie 1: prescriptions générales concernant les pièces obtenues par forgeage libre
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NF E44-002	Pompes hydrauliques - Coupes schématiques et nomenclatures des pompes centrifuges, hélicocentrifuges et hélices, et de leurs éléments - Lexique multilingue

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NF E44-001	Pompes hydrauliques - Classification - Termes et définitions
NF EN 10210-2	Hot-finished structural hollow sections of steel - Part 2: Tolerances, dimensions and sectional properties
NF EN 10028-7	Produits plats en aciers pour appareils à pression - Partie 7 : aciers inoxydables
NF EN 10025-2	Produits laminés à chaud en aciers de construction - Partie 2: conditions techniques de livraison pour les aciers de construction non alliés
NF EN 10213+A1	Pièces moulées en acier pour service sous pression
NF EN ISO 4126-1	Dispositifs de sécurité pour protection contre les pressions excessives - Partie 1: soupapes de sûreté
NF EN ISO 148-2	Matériaux métalliques. Essai de flexion par choc sur éprouvette Charpy - Partie 2 : Vérification de la machine d'essai (mouton pendule)
NF EN ISO 3452-1	Examens non destructifs. Examen par ressuage - Partie 1 : principes généraux
NF EN ISO 3452-2	Essais non destructifs. Examen par ressuage - Partie 2 : essai des produits de ressuage.
NF EN ISO 3452-3	Essais non destructifs - Examen par ressuage - Partie 3 : pièces de référence
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NF EN ISO 3452-6	Essais non destructifs - Examen par ressuage - Partie 6: Examen par ressuage à des températures inférieures à 10 °C
NF EN ISO 3506-1	Caractéristiques mécaniques des éléments de fixation en acier inoxydable résistant à la corrosion - Partie 1 : vis et goujons
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NF EN ISO 3834-2	Exigences de qualité en soudage par fusion des matériaux métalliques - Partie 2 : exigences de qualité complète
NF EN ISO 4032	Écrous hexagonaux, style 1. Grades A et B
NF EN ISO 2400	Essais non destructifs - Contrôle par ultra-sons - Spécification relatives au bloc d'étalonnage n°1
NF EN ISO 4063	Soudage et techniques connexes - Nomenclature et numérotation des procédés
NF EN ISO 23279	Contrôles non destructif des assemblages soudés - Contrôle par ultrasons -
NF EN ISO 4126-2	Dispositifs de sécurité pour la protection contre les pressions excessives - Partie 2: dispositifs de sûreté à disque de rupture
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NF EN ISO 4288	Spécification géométrique des produits (GPS) - État de surface : méthode du profil - Règles et procédures pour l'évaluation de l'état de surface
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NF EN ISO 4759-1	Tolérances des éléments de fixation - Vis, goujons et écrous - Partie 1 : grades A, B, C
NF EN ISO 5173	Essais destructifs des soudures sur matériaux métalliques. Essais de pliage
NF EN ISO 5173/A1	Destructive tests on welds in metallic materials - Bend tests
NF EN ISO 5178	Essais destructifs des soudures sur matériaux métalliques. Essai de traction
NF EN ISO 5199	Spécifications techniques pour pompes centrifuges Classe II
NF EN ISO 4034	Écrous hexagonaux. Grade C
NF EN ISO 16811	Essais non destructifs - Contrôle ultrasonore - Partie 2: réglage de la sensibilité et de la base de temps
NF EN 4632-003	Soudabilité et brasabilité des matériaux pour constructions aérospatiales - Partie 003: Assemblages homogène des aciers non alliés et faiblement alliés
NF EN ISO 15609-1	Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques. Descriptif d'un mode opératoire de soudage - Partie 1 : soudage à l'arc
NF EN ISO 15609-3	Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques - Descriptif d'un mode opératoire de soudage - Partie 3 : soudage par faisceau d'électrons
NF EN ISO 15609-4	Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques - Descriptif d'un mode opératoire de soudage - Partie 4 : soudage par faisceau laser
NF EN ISO 15613	Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques - Qualification sur la base d'un assemblage soudé de préproduction
NF EN ISO 15614-1	Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques. Épreuve de qualification d'un mode opératoire de soudage - Partie 1 : soudage à l'arc et aux gaz des aciers et soudage à l'arc des nickels et alliages de nickel

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NF EN ISO 15614-5	Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques Épreuve de qualification d'un mode opératoire de soudage Partie 5: soudage à l'arc sur titane, zirconium et leurs alliages
NF EN ISO 15614-8	Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques Épreuve de qualification d'un mode opératoire de soudage Partie 8: soudage de tubes sur plaques tubulaires
NF EN ISO 15792-1	Produits consommables pour le soudage- Méthode d’essai - Partie 1: Méthodes d’essai pour les éprouvettes de métal fondu hors dilution pour le soudage de l’acier, du nickel et des alliages de nickel
NF EN ISO 2560	Produits consommables pour le soudage - Électrodes enrobées pour le soudage manuel à l’arc des aciers non alliés et des aciers à grains fins - Classification
NF EN ISO 16810	Essais non destructifs - Contrôle ultrasonore - Partie 1: principes généraux
NF EN ISO 643	Aciers - Détermination micrographique de la grosseur de grain apparente
NF EN ISO 16827	Essais non destructifs - Contrôle ultrasonore - Partie 5: caractérisation et dimensionnement des discontinuités
NF EN ISO 17672	Brasage fort - Métaux d’apport
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NF EN ISO 18273	Produits consommables pour le soudage Fils-électrodes, fils et baguettes pour le soudage de l'aluminium et les alliages d'aluminium Classification
NF EN ISO 19232-1	Essais non destructifs. Qualité d'image des radiogrammes - Partie 1 : Détermination de l'indice de qualité d'image à l'aide d'indicateurs à fils
NF EN ISO 19232-2	E: Non-destructive testing - Image quality of radiographs - Part 2: Determination of the image quality value using step/hole-type image quality indicators
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NF EN ISO 20482	Matériaux métalliques - Tôles et bandes - Essai d'emboutissage Erichsen
NF EN ISO 2063	Projection thermique - Revêtements métalliques et inorganiques - Zinc, aluminium et alliages de ces métaux
NF EN ISO 2082	Revêtements métalliques et autres revêtements inorganiques - Dépôts électrolytiques de cadmium avec traitements supplémentaires sur fer ou acier
NF EN ISO 15792-1/A1	Welding consumables - Test methods - Part 1: test methods for all-weld metal test specimens in steel, nickel and nickel alloys - Amendment 1
NF ISO 6336-2:2006	Calculation of load capacity of spur and helical gears - Part 2: calculation of surface durability (pitting)
NF EN ISO 9717	Revêtements métalliques et autres revêtements inorganiques - couches de conversion au phosphate sur métaux
NF EN ISO 9905	Spécifications techniques pour pompes centrifuges - Classe 1

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NF EN ISO 9905/A1	Spécifications techniques pour pompes centrifuges - Classe I - Amendement 1
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NF ISO 10816-7	Vibrations mécaniques - Evaluation des vibrations des machines par mesurages sur les parties non tournantes - Partie 7 : pompes rotodynamiques pour applications industrielles, y compris mesurages sur les arbres tournants
NF ISO 11881	Corrosion des métaux et alliages Essai de corrosion feuilletante des alliages d'aluminium
NF ISO 16881-1	Appareils de levage à charge suspendue - Calcul de conception des galets et de la structure de support du chariot de roulement - Partie 1 : généralités
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NF ISO 261	Filetages métriques ISO pour usages généraux - Vue d'ensemble
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NF ISO 6336-1	Calcul de la capacité de charge des engrenages cylindriques à dentures droite et hélicoïdale - Partie 1 : principes de base, introduction et facteurs généraux d'influence
NF EN ISO 544	Produits consommables pour le soudage - Conditions techniques de livraison des matériaux d'apport pour le soudage - Type de produit, dimensions, tolérances et marquage
NF ISO 6336-2	Calcul de la capacité de charge des engrenages cylindriques à dentures droite et hélicoïdale - Partie 2 : calcul de la résistance à la pression de contact (piqûre)
NF EN ISO 9606-4	Epreuve de qualification des soudeurs. Soudage par fusion - Partie 4 : Nickel et ses alliages
NF ISO 6336-3	Calcul de la capacité de charge des engrenages cylindriques à dentures droite et hélicoïdale - Partie 3 : calcul de la résistance à la flexion en pied de dent

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NF ISO 6336-3:2006	Calculation of load capacity of spur and helical gears - Part 3: calculation of tooth bending strength
NF ISO 6336-5	Calcul de la capacité de charge des engrenages cylindriques à dentures droite et hélicoïdale - Partie 5 : résistance et qualité des matériaux
NF ISO 6336-5:2003	Calculation of load capacity of spur and helical gears - Part 5: strength and quality of materials
NF ISO 6336-6	Calcul de la capacité de charge des engrenages cylindriques à dentures droite et hélicoïdale - Partie 6 : calcul de la durée de vie en service sous charge variable
NF ISO 6336-6:2006	Calculation of load capacity of spur and helical gears - Part 6: calculation of service life under variable load
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NF ISO 965-1	Filetages métriques ISO pour usages généraux - Tolérances - Partie 1 : principes et données fondamentales
NF ISO 965-2	Filetages métriques ISO pour usages généraux - Tolérances - Partie 2 : dimensions limites pour filetages intérieurs et extérieurs d'usages généraux. Qualité moyenne
NF ISO 6336-1:2006	Calculation of load capacity of spur and helical gears - Part 1: basic principles, introduction and general influence factors
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NF EN ISO 148-1	Matériaux métalliques. Essai de flexion par choc sur éprouvette Charpy - Partie 1: méthode d'essai
NF EN ISO 6506-1	Matériaux métalliques - Essai de dureté Brinell - Partie 1 : méthode d'essai
NF EN ISO 6506-2	Matériaux métalliques - Essai de dureté Brinell - Partie 2 : vérification et étalonnage des machines d'essai
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NF EN ISO 6507-2	Matériaux métalliques - Essai de dureté Vickers - Partie 2 : vérification et étalonnage des machines d'essai
NF EN ISO 6507-2:2005	Metallic materials. Vickers hardness test. Verification and calibration of testing machines
NF EN ISO 6507-3	Matériaux métalliques - Essai de dureté Vickers - Partie 3 : étalonnage des blocs de référence
NF EN ISO 6508-1	Matériaux métalliques - Essai de dureté Rockwell - Partie 1 : méthode d'essai (échelles A, B, C, D, E, F, G, H, K, N, T)
NF EN ISO 6508-2	Matériaux métalliques - Essai de dureté Rockwell - Partie 2 : vérification et étalonnage des machines d'essai (échelles A, B, C, D, E, F, G, H, K, N, T)
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NF EN ISO 6520-1	Soudages et techniques connexes - Classification des défauts géométriques dans les soudures des matériaux métalliques - Partie 1 : soudage par fusion
NF EN ISO 9712	Essais non destructifs - Qualification et certification du personnel
NF EN ISO 6892-1	Matériaux métalliques - Essai de traction - Partie 1: méthode d'essai à température ambiante
NF EN ISO 9606-5	Épreuve de qualification des soudeurs Soudage par fusion Partie 5 : titane et ses alliages, zirconium et ses alliages
NF EN ISO 6947	Soudage et techniques connexes - Positions de soudage
NF EN ISO 7500-1	Matériaux métalliques - Vérification des machines pour essais statiques uniaxiaux - Partie 1 : machines d'essai de traction/compression - Vérification et étalonnage du système de mesure de force
NF EN ISO 8492	Matériaux métalliques - Tubes - Essai d'aplatissement

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NF EN ISO 8493	Matériaux métalliques - Tubes - Essai d'évasement
NF EN ISO 898-1	Caractéristiques mécaniques des éléments de fixation en acier au carbone et en acier allié - Partie 1 : vis, goujons et tiges filetées de classes de qualité spécifiées- Filetages à pas gros et filetages à pas fin
NF EN ISO 898-2	Caractéristiques mécaniques des éléments de fixation en acier au carbone et en acier allié - Partie 2 : écrous de classes de qualité spécifiées - Filetages à pas gros et filetages à pas fin
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NF EN ISO 9015-1	Essais destructifs des soudures sur matériaux métalliques. Essais de dureté - Partie 1 : essai de dureté des assemblages soudés à l'arc
NF EN ISO 9513	Matériaux métalliques - Étalonnage des chaînes extensométriques utilisés lors d'essais uniaxiaux
NF EN ISO 9606-1	Epreuve de qualification des soudeurs - Soudage par fusion - Partie 1 : aciers
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NF EN ISO 6847	Produits consommables pour le soudage - Exécution d'un dépôt de métal fondu pour l'analyse chimique
NF EN 13445-5 V3	Récipients sous pression non soumis à la flamme - Partie 5: Inspection et contrôles
NF EN ISO 15607	Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques - Règles générales
NF EN 13185/A1	Non-destructive testing - Leak testing - Tracer gas method
NF EN 13192	Non-destructive testing - Leak test - Calibration of gaseous reference leaks
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NF EN 13445-1 V3	Récipients sous pression non soumis à la flamme - Partie 1: Généralités
NF EN 13445-2 V3	Récipients sous pression non soumis à la flamme - Partie 2: Matériaux
NF EN 13445-2/A1	Récipients sous pression non soumis à la flamme - Partie 2: matériaux
NF EN 13445-3	Récipients sous pression non soumis à la flamme - Partie 3 Conception
NF EN 13445-3 V3	Récipients sous pression non soumis à la flamme - Partie 3 Conception
NF EN 13445-3/A2	Unfired pressure vessels - Part 3: Design
NF EN 13445-3/A8	Unfired pressure vessels - Part 3: Design
NF EN 13018	Essais non destructifs - Examen visuel - Principes généraux
NF EN 13445-4/A1	Récipients sous pression non soumis à la flamme - Partie 4: fabrication
NF EN 12797/A1	Brasage fort Essais destructifs des assemblages réalisés par brasage fort
NF EN 13445-6 V2	Récipients sous pression non soumis à la flamme - Partie 6 : Exigences pour la conception et la fabrication des récipients sous pression et des parties sous pression moulés en fonte à graphite sphéroïdal
NF EN 13445-8 V1	Récipients sous pression non soumis à la flamme Partie 8: exigences complémentaires pour les récipients sous pression en aluminium et alliages d'aluminium
NF EN 13445-8 V3	Récipients sous pression non soumis à la flamme - Partie 8 : Exigences complémentaires pour les récipients sous pression en aluminium et alliages d’aluminium
NF EN 13480-1 V1	Tuyauteries industrielles métalliques - Partie 1: Généralités
NF EN 13480-2 V1	Tuyauteries industrielles métalliques - Partie 2: Matériaux

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NF EN 13480-3 V1	Tuyauteries industrielles métalliques - Partie 3: Conception et calcul
NF EN 13480-4 V1	Tuyauteries industrielles métalliques - Partie 4: Fabrication et installation
NF EN 13480-5 V1	Tuyauteries industrielles métalliques - Partie 5: Inspection et contrôle
NF EN 13480-6 V1	Tuyauteries industrielles métalliques - Partie 6: Exigences complémentaires relatives aux tuyauteries enterrées
NF EN 13709	Robinetterie industrielle - Robinets à soupape et robinets à clapet libre blocable en acier
NF EN 13906-1	Ressorts hélicoïdaux cylindriques fabriqués à partir de fils ronds et de barres - Calcul et conception - Partie 1 : ressorts de compression
NF EN 13906-2	Ressorts hélicoïdaux cylindriques fabriqués à partir de fils ronds et de barres - Calcul et conception - Partie 2 : ressorts de traction
NF EN 13445-4 V3	Récipients sous pression non soumis à la flamme - Partie 4: Fabrication
NF EN 12162/A1	Pompes pour liquides - Exigences de sécurité - Procédure d'essai hydrostatique
NF EN 10222-5	Pièces forgées en acier pour appareil à pression - Partie 5 : aciers inoxydables martensitiques, austénitiques et austéno-ferritiques
NF EN 10228-3	Essais non destructifs des pièces forgées en acier - Partie 3 : contrôle par ultra-sons des pièces forgées en aciers ferritiques et martensitiques
NF EN 10228-4	Essais non destructifs des pièces forgées en acier - Partie 4 : contrôle par ultra-sons des pièces forgées en aciers austénitiques et austéno-ferritiques
NF EN 10253-2	Raccords à souder bout à bout - Partie 2: aciers non alliés et aciers ferritiques alliés avec contrôle spécifique
NF EN 10253-4	Raccords à souder bout-à-bout - Partie 4: aciers inoxydables austénitiques et austéno-ferritiques (duplex) avec contrôle spécifique

General & Miscellaneous	
NF EN 10269	Aciers et alliages de nickel pour éléments de fixation utilisés à température élevée et/ou basse température
NF EN 10272	Barres en acier inoxydable pour appareils à pression
NF EN 10273	Barres laminées à chaud en aciers soudables pour appareil à pression, avec des caractéristiques spécifiées aux températures élevées
NF EN 10302	Aciers et alliage à base de nickel et de cobalt résistant au fluage
NF EN 10306	Produits sidérurgiques - Contrôle par ultrasons des poutrelles à larges ailes à faces parallèles et des poutrelles IPE
NF EN 10307	Essais non destructifs - Contrôle par ultrasons des produits plats en acier inoxydable austénitique et austéno-ferritique d'épaisseur égale ou supérieure à 6 mm (méthode par réflexion)
NF EN 13185	Non-destructive testing - Leak testing - Tracer gas method
NF EN 1179	Zinc et alliages de zinc - zinc primaire
NF EN 1593/A1	Non-destructive testing - Leak testing - Bubble emission techniques
NF EN 12266-1	Robinetterie industrielle Essais des appareils de robinetterie Partie 1: essais sous pression, procédures d'essai et critères d'acceptation - Prescriptions obligatoires
NF EN 12266-2	Robinetterie industrielle Essais des appareils de robinetterie Partie 2: essais, procédures d'essai et critères d'acceptation - Prescriptions complémentaires
NF EN 12392	Aluminium et alliages d'aluminium Produits corroyés Exigences particulières pour les produits destinés à la fabrication des appareils à pression
NF EN 12516-1	Robinetterie industrielle Résistance mécanique des enveloppes Partie 1: méthode tabulaire relative aux appareils de robinetterie en acier
NF EN 12516-2	Robinetterie industrielle Résistance mécanique des enveloppes Partie 2: méthode de calcul relative aux enveloppes d'appareils de robinetterie en acier

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NF EN 12627	Robinetterie industrielle Extrémités à souder en bout pour appareils de robinetterie en acier
NF EN 12668-1	Essais non destructifs - Caractérisation et vérification de l'appareillage de contrôle par ultrasons - Partie 1: appareils
NF EN 12668-2	Non-destructive testing. Characterization and verification of ultrasonic examination equipment - Part 2 :Probes
NF EN 12668-3	Essais non destructifs. Caractérisation et vérification de l'appareillage de contrôle par ultrasons - Partie 3: Equipement complet
NF EN 12681	Fonderie - Contrôle par radiographie
NF EN 12760	Appareils de robinetterie Extrémités à emboîter et à souder pour appareils de robinetterie en acier
NF EN 12797	Brasage fort Essais destructifs des assemblages réalisés par brasage fort
NF EN 1092-1	Brides et leurs assemblages Brides circulaires pour tubes, appareils de robinetterie, raccords et accessoires désignées PN Partie 1: brides en acier
NF EN ISO 10893-2	Essais non destructifs des tubes en acier - Partie 2: contrôle automatique par courants de Foucault pour la détection des imperfections des tubes en acier sans soudure et soudés (sauf à l'arc immergé sous flux en poudre)
NF EN 593/A1	Robinetterie industrielle Robinets métalliques à papillon
NF EN 60068-3-3	Essais d’environnement Troisième partie : guide Méthodes d’essais sismiques applicables aux matériels
NF EN 736-1	Appareils de robinetterie. Terminologie - Partie 1 : définitions des types d’appareils
NF EN 736-2	Appareils de robinetterie. Terminologie - Partie 2 : Définition des composants des appareils de robinetterie
NF EN 736-3	Appareils de robinetterie. Terminologie - Partie 3 : Définition des termes

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NF EN 754-1	Aluminium et alliages d'aluminium Barres et tubes étirés Partie 1: conditions techniques de contrôle et de livraison
NF EN 754-2	Aluminium et alliages d'aluminium Barres et tubes étirés Partie 2: caractéristiques mécaniques
NF EN 755-1	Aluminium et alliages d'aluminium Barres, tubes et profilés filés Partie 1: conditions techniques de contrôle et de livraison
NF EN 755-2	Aluminium et alliages d'aluminium Barres, tubes et profilés filés Partie 2: caractéristiques mécaniques
NF EN ISO 10042	Soudage Assemblages en aluminium et alliages d'aluminium soudés à l'arc Niveaux de qualité par rapport aux défauts
NF EN ISO 10270	Corrosion des métaux et alliages Essais de corrosion aqueuse des alliages de zirconium utilisés dans les réacteurs nucléaires
NF EN 13906-3	Ressorts hélicoïdaux cylindriques fabriqués à partir de fils ronds et de barres - Calcul et conception - Partie 1 : ressorts de torsion
NF EN ISO 10893-10	Essais non destructifs des tubes en acier - Partie 10: contrôle automatisé par ultrasons sur toute la circonférence des tubes en acier sans soudure et soudés (sauf à l'arc immergé sous flux en poudre) pour la détection des imperfections longitudinales et/
NF EN 4632-005	Soudabilité et brasabilité des matériaux pour constructions aérospatiales - Partie 005: Assemblages homogène des alliages base Ni ou Co résistant à haute température
NF EN ISO 10893-3	Essais non destructifs des tubes en acier - Partie 3: contrôle automatisé par flux de fuite sur toute la circonférence des tubes en acier ferromagnétique sans soudure et soudés (sauf à l'arc immergé sous flux en poudre) pour la détection des imperfections
NF EN ISO 1127	Tubes en acier inoxydable Dimensions, tolérances et masses linéiques conventionnelles
NF EN ISO 11699-1	Essais non destructifs. Films pour radiographie industrielle - Partie 1 : classification des systèmes de films pour radiographie industrielle

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NF EN ISO 13919-1	Soudage - Assemblages soudés par faisceau d'électrons et par faisceau laser - Guide des niveaux de qualité des défauts - Partie 1: acier
NF EN ISO 13919-2	Soudage - Assemblages soudés par faisceau d'électrons et par faisceau laser - Guide des niveaux de qualité des défauts - Partie 2: aluminium et ses alliages soudables
NF EN ISO 13919-2/A1	Welding - Electron and laser beam welded joints - Guidance on quality levels for imperfections - Part 2: aluminium and its weldable alloys
NF EN ISO 14172	Produits consommables pour le soudage - Électrodes enrobées pour le soudage manuel à l'arc du nickel et des alliages de nickel - Classification
NF EN ISO 14175	Produits consommables pour le soudage Gaz et mélanges gazeux pour le soudage par fusion et les techniques connexes
NF EN ISO 14343	Produits consommables pour le soudage Fils-électrodes, fils d'apport et baguettes d'apport pour le soudage à l'arc des aciers inoxydables et des aciers résistant aux températures élevées - Classification
NF EN ISO 14344	Soudage et techniques connexes - Procédés de soudage électrique sous protection gazeuse et par flux - Lignes directrices relatives à l'approvisionnement en produits consommables
NF EN ISO 14731	Coordination en soudage - Tâches et responsabilités
NF EN ISO 14732	Personnel en soudage - Épreuve de qualification des opérateurs soudeurs pour le soudage par fusion et des régleurs en soudage par résistance pour le soudage totalement mécanisé et automatique des matériaux métalliques
NF EN ISO 10675-1	Essais non destructifs des assemblages soudés - Niveaux d'acceptation pour évaluation par radiographie - Partie 1: Acier, nickel, titane et leurs alliages
NF EN 287-1	Épreuve de qualification des soudeurs Soudage par fusion Partie 1: Aciers

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NF EN 10222-2	Pièces forgées en acier pour appareils à pression - Partie 2 : aciers ferritiques et martensitiques avec caractéristiques spécifiées à température élevée
NF EN 1600	Produits consommables pour le soudage. Electrodes enrobées pour le soudage manuel à l'arc des aciers inoxydables austénitiques et résistant aux températures élevées. Classification
NF EN 16767	Robinetterie industrielle - Clapets de non-retour en acier et en fonte
NF EN 16983	Rondelles ressorts - Spécification de qualité - Dimensions
NF EN 16984	Rondelles ressorts - Calculs
NF EN 1759-1	Brides et leurs assemblages -Brides circulaires pour tubes, appareils de robinetterie, raccords et accessoires, désignées Class - Partie 1: Brides en acier NPS ½ à 24
NF EN 1779	Non-destructive testing - Leak testing - Criteria for method and technique selection
NF EN 1779/A1	Non-destructive testing - Leak testing - Criteria for method and technique selection
NF EN 1983	Robinetterie industrielle Robinets à tournant sphérique en acier
NF EN 1984	Robinetterie industrielle. Robinets-vannes en acier
NF EN 1993-1-1	Eurocode 3 - Design of steel structures - Part 1-1: general rules and rules for buildings
NF EN 1993-1-1/NA	Eurocode 3 - Design of steel structures - Part 1-1: general rules and rules for buildings
NF EN 485-2	Aluminium et alliages d'aluminium Tôles, bandes et tôles épaisses Partie 2: caractéristiques mécaniques
NF EN 25580	Essais non destructifs - Négatoscopes utilisés en radiographie industrielle - Exigences minimales
NF EN 485-1/A1	Aluminium et alliages d'aluminium Tôles, bandes et tôles épaisses Partie 1: conditions techniques de contrôle et de livraison

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NF EN 28839	Caractéristiques mécaniques des éléments de fixation Vis, goujons et écrous en métaux non ferreux
NF EN 4050-1	Aerospace series - Test method for metallic materials - Ultrasonic inspection of bars, plates, forging stock and forgings - Part 1: general requirements
NF EN 4050-2	Aerospace series - Test method for metallic materials - Ultrasonic inspection of bars, plates, forging stock and forgings - Part 2: performance of test
NF EN 4050-3	Aerospace series - Test method for metallic materials - Ultrasonic inspection of bars, plates, forging stock and forgings - Part 3: reference blocks
NF EN 4050-4	Aerospace series - Test method for metallic materials - Ultrasonic inspection of bars, plates, forging stock and forgings - Part 4: acceptance criteria
NF EN 4632-001	Assemblages soudés et brasés pour constructions aérospatiales - Soudabilité et brasabilité des matériaux - Partie 001: Généralités
NF EN 4632-002	Assemblages soudés et brasés pour constructions aérospatiales - Soudabilité et brasabilité des matériaux - Partie 002: Assemblages homogènes de l'aluminium et des alliages d'aluminium
NF EN 1593	Essais non destructifs. Contrôle d'étanchéité. Contrôle à la bulle
NF EN 24497	Poudres métalliques - Détermination de la granulométrie par tamisage à sec

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IEEC C95-1-1991	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
EN 55011:2007	Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement
TS 61463	Bushings - Seismic qualification
IEC 60050	International Electro technical Vocabulary
IEC 60099-1/AMD1	Surge arresters - Part 1: Non-linear resistor type gapped arresters for a.c. systems - Amendment 1
IEC 60146-5	Semiconductor converters Part 5: Switches for uninterruptible power systems (UPS switches)
IEC 60146-1-3	Semiconductor converters - General requirements and line commutated converters - Part 1-3: Transformer and reactors
IEC 60146-6	Semiconductor converters Part 6: Application guide for the protection of semiconductor converters against overcurrent by fuses
IEC 60099-1	Surge arresters - Part 1: Non-linear resistor type gapped surge arresters for a.c. systems
IEC 60099-5	Surge arresters - Part 5: Selection and application recommendations
IEC 60269-4	Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices
IEC 60068-1	Environmental testing - Part 1: general and guidance
IEC 60191-5	Mechanical standardization of semiconductor devices - Part 5: Recommendations applying to integrated circuit packages using tape automated bonding (TAB)
IEC 60265	High voltage switches

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IEC 60146-4	Semiconductor converters Part 4: Method of specifying the performance and test requirements of uninterruptible power systems
IEC 60269-1	Low-voltage fuses - Part 1: General requirements
IEC 60146-2	Semiconductor converters - Part 2: Self-commutated semiconductor converters including direct d.c. converters
IEC 60071	Insulation co-ordination
IEC 60191-2	Mechanical standardization of semiconductor devices - Part 2: Dimensions
IEC 60215	Safety requirements for radio transmitting equipment
IEC 60115-4	Fixed resistors for use in electronic equipment; part 4: sectional specification: fixed power resistors
IEC 60146-1-1	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specifications of basic requirements
IEC 60060-1	High-voltage test techniques - Part 1: general definitions and test requirements
IEC 60183	Guide to the selection of high-voltage cables
IEC 60287-1-1	Electric cables - Calculation of the current rating - Current rating equations (100% load factor) and calculation of losses - General
IEC 60146-1-1/AMD1	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specifications of basic requirements
IEC 60168	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1000V
IEC 60191-6	Mechanical standardization of semiconductor devices - Part 6: General rules for the preparation of outline drawings of surface mounted semiconductor device packages
IEC 60137	Insulated bushings for alternating voltages above 1 000 V

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IEC 60270	High-voltage test techniques - Partial discharge measurements
IEC 60044-1	Instrument transformers - Part 1: current transformers
IEC 60099-4	Surge arresters - Part 4: Metal-oxide surge arresters without gaps for a.c. systems
IEC 60059	IEC standard current ratings
IEC 60146-3	Semiconductor converters - Part 3: Semiconductor direct d.c. converters (d.c. chopper converters)
IEC 60146-1-2	Semiconductor converters - General requirements and line commutated converters - Part 1-2: Application guide
IEC 60282-1	High-voltage fuses - Part 1: Current-limiting fuses
IEC 60255-5	Electrical Relays - Part 5: Insulation coordination for measuring relays and protection equipment - Requirements and tests
IEC 60191-1	Mechanical standardization of semiconductor devices - Part 1: Preparation of drawings of semiconductor devices
IEC 60185	Current transformers
IEC 60060-2	High-voltage test techniques - Part 2: measuring systems
IEC 60186	Voltage transformers
IEC 60129	Alternating current disconnectors and earthing switches
IEC 60191-4	Mechanical standardization of semiconductor devices - Part 4: Coding system and classification into forms of package outlines for semiconductor device packages
IEC 60191-3	Mechanical standardization of semiconductor devices - Part 3: General rules for the preparation of outline drawings of integrated circuits
IEC 60038	IEC standard voltages
IEC 60060-3	High voltage test techniques - Part 3: definitions and requirements for on-site testing

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IEC 60060-4	High-voltage test techniques Part 4: Application guide for measuring devices
IEC 60076	Power transformers
IEC 60332-1	Tests on electric and optical fibre cables under fire conditions - Part 1: Test for vertical flame propagation for a single insulated wire or cable
IEC 60931-3	Shunt capacitors of the non-self-healing type for AC power systems having a rated voltage up to and including 1000 V - Part 3: Internal fuses
IEC 60617-DB	Graphical symbols for diagram
IEC 60754-2	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 60549	High voltage fuses for external protection of shunt power capacitors
IEC 60931-1A/AMD1	Amendment 1 - Shunt power capacitors of the non-self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 1: General - Performance, testing and rating - Safety requirements - Guide for installation and operation
IEC 60871-2	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V - Part 2: Endurance testing
IEC 60885	Electrical test methods for electric cables
IEC 60694	Common clauses for high voltage switchgear and control gear standards
IEC 60296	Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear
IEC 60502	Power cables with extruded insulation and their accessories for rated voltages from 1 kV up to 30kV
IEC 60332-2	Tests on electric and optical fibre cables under fire conditions - Part 2: Test for vertical flame propagation for a single small insulated wire or cable

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IEC 60438	Tests and dimensions for high-voltage DC insulators
IEC 60364-1	Low-voltage electrical installations - Part 1: Fundamental principles, assessment of general characteristics, definitions
IEC 60289	Reactors
IEC 60931-1	Shunt power capacitors of the non-self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 1: General - Performance, testing and rating - Safety requirements - Guide for installation and operation
IEC 60947	Low-voltage switchgear and controlgear
IEC 61010-1/COR2	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
IEC 60529	Degrees of protection provided by enclosures (IP code)
IEC 60331	Tests for electric cables under fire conditions - Circuit integrity
IEC 60801	Electromagnetic compatibility for electrical and electronic equipment
IEC 61000-4	Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques
IEC 60749	Semiconductor devices - Mechanical and climatic test methods
IEC 61125	Unused hydrocarbon-based insulating liquids -Test methods for evaluating the oxidation stability
IEC 60831-1/AMD1	Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 1: General - Performance, testing and rating - Safety requirements - Guide for installation and operation. Amendment 1
IEC 60931-2	Shunt power capacitors of the non-self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 2: Ageing test and destruction test
IEC 60748	Semiconductor devices - Integrated circuits

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IEC 60871-3	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V - Part 3: Protection of shunt capacitors and shunt capacitor banks
IEC 61131	Programmable Controllers
IEC 60300-1	Dependability management - Part 1: Guidance for management and application
IEC 60747	Semiconductor devices
IEC 61071	Capacitors for power electronics
IEC 60300-3-1	Dependability management - Part 3-1: Application guide - Analysis techniques for dependability - Guide on methodology
IEC 60700-1	Thyristor valves for high voltage direct current (HVDC) power transmission - Part 1: Electrical testing
IEC 60332-3	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 60871-4	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V - Part 4: internal fuses
IEC 60871-1	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V - Part 1: General
IEC 60831-2	Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 2: Ageing test, self-healing test and destruction test
IEC 60300-3-2	Dependability management - Part 3-2: Application guide - Collection of dependability data from the field
IEC 60726	Dry-type power transformers
IEC 61140	Protection against electrical shock - Common aspects for installation and equipment
IEC 61378-3	Converter transformers - Part 3: Application guide

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IEC 61378-2	Converter transformers - Part 2: Transformers for HVDC applications
IEC 61839	Nuclear Power Plants - Design of Control rooms - Functional analysis and assignment
IEC 61850	Communication networks and systems in substations
IEC 61936-1	Power installations exceeding 1 kV a.c. - Part 1: Common rules
IEC 61640	Rigid high-voltage, gas-insulated transmission lines for rated IEC voltage of 72,5 kV and above
IEC 61378-1	Converter transformers - Part 1: Transformers for industrial applications
IEC 62271	High-voltage switchgear and controlgear
IEC 61975	System tests for high-voltage direct current (HVDC) installations
IEC 62199	Bushings for d.c. application
IEC 61511	Functional safety - Safety instrumented systems for the process industry sector
IEC 61803	Determination of power losses in high-voltage direct current (HVDC) converter stations
IEC 61508	Functional safety of electrical/electronic/programmable electronic safety-related systems
IEC 62032	Guide for the application, specification, and testing of phase-shifting transformers
IEC 62040	Uninterruptible power systems (UPS)
CISPR11amd2	Industrial, scientific and medical (ISM) radio-frequency equipment Electromagnetic disturbance characteristics - Limits and methods of measurement - Amendment 2
BS EN 50136	Alarm systems - Alarm transmission systems and equipment

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CISPR11	Industrial, scientific and medical (ISM) radio-frequency equipment Electromagnetic disturbance characteristics - Limits and methods of measurement
RCC-E 2002	Design and construction rules for electrical equipment of nuclear islands
UTE C18-540	Prescriptions de sécurité électrique pour les opérations basse tension sur les installations et les ouvrages hors travaux sous tension
Standard equivalent to ANSI/EIA-748-A-1998	not given
not given	not given
UTE C18-510	Opérations sur les ouvrages et installations électriques et dans un environnement électrique - Prévention du risque électrique
STEP ISO 10303 - AP 233	System Engineering Information Model (draft)
UTE C18-530	Collection of electrical safety requirements for authorized personnel non-electrician worker (B0, H0), electrical executant (b1, h1), maintenance supervisor (BR)
NUREG 1.180:2003	Guidelines for evaluating electromagnetic Radio-frequency interferences in safety related instrumentation and control Systems.: USA Nuclear Regulatory Commission (informative)
IEC 300	TC 56: Reliability and maintainability management
IEC 1140	TC 64: Protection against electric shock. Common aspects for installation and equipment
IEC 60146-1-1:1991+A1: 1996	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specifications of basic requirements
IEC 185	TC 38: Current transformers
IEC 60068	Environmental Testing
IEC 1131	SC 65B: Programmable controllers

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IEC 129	SC 17A: Alternating current disconnectors (isolators) and earthing switches
IEC 60038:2002	IEC standard voltages+ am1+am2
IEC 146	SC 22B: Semiconductor converters
IEC 1010	TC 66: Safety requirements for electrical equipment for measurement, control, and laboratory use
IEC 60071-2	Insulation co-ordination - Part 2: Application guidelines
IEC 168	SC 36C: Tests on indoor and outdoor post insulators of ceramic material or glass for system s with nominal voltage greater than 1000 V
IEC 60146-2:1999	Semiconductor converters - Part 2: Self-commutated semiconductor converters including direct d.c. converters
IEC 265	SC 17A: High-voltage switches
IEC 60270:2000	High-voltage test techniques - Partial discharge measurements
IEC 183	Guide to the selection of HV cables
IEC 60071-4	Insulation co-ordination - Part 4: Computational guide to insulation co-ordination and modelling of electrical networks
IEC 60071-5	Insulation co-ordination - Part 5: procedures for high-voltage direct current (HVDC) converter stations
FD X60-000	Maintenance industrielle - Fonctions Maintenance
IEC 60099-1amd1	Surge arresters - Part 1: Non-linear resistor type gapped surge arresters for a.c. systems - Amendment 1
IEC 273	SC 36C: Characteristics of indoor and outdoor post insulators for systems with nominal voltages greater than 1,000 V
IEC 60059:1999	IEC standard current ratings
IEC 60196:1965	IEC standard frequencies
IEC 287	SC 20A: Calculation of the continuous current rating of cables

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IEC 60073:2002	Basic and safety principles for man-machine interface, marking and identification
IEC 289	SC 14C: Reactors
IEC 60060	High-voltage test techniques
IEC 56	SC 17A: High-voltage alternating-current circuit-breakers
IEC 332	SC 20C: Test on electric cables under fire conditions
IEC 60044-2	Instrument transformers - Part 2: inductive voltage transformers
IEC 60027	Letter symbols to be used in electrical technology. (All parts)
IAEA 50-C/SG-Q	IAEA Safety guides series - Quality Assurance for safety in Nuclear Plants and other Nuclear Installations and Safety Guides Q1-Q14
IEC 364	TC 64: Electrical installations in buildings
IEC 60	TC 42: High-voltage test techniques
IEC 59	TC 8: IEC standard current ratings
IEC 331	SC 20C: Fire resisting characteristics of electrical cables
IEC 60071-1	Insulation co-ordination - Part 1: Definitions, principles and rules
IEC 60146-1-3:1991	Semiconductor converters - General requirements and line commutated converters - Part 1-3: Transformer and reactors
IEC 529	TC70: Degrees of protection provided by enclosures
IEC 38	TC 8: IEC standard voltages
IEC 50	TC 1: International electro-technical vocabulary
IEC 438	TC 36: Test and dimensions for high-voltage d.c. insulators
IEC 1000	TC 77: Electromagnetic compatibility
IEC 60812:2006	Analysis techniques for system reliability - Procedure for failure mode and effects analysis (FMEA)

ICH&CD	
IEC 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: general requirements
IEC 60931-1:1996/AMD1:2002	Amendment 1 - Shunt power capacitors of the non-self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 1: General - Performance, testing and rating - Safety requirements - Guide for installation and operation
IEC 60909	Short circuit currents in three phase ac systems Parts 0,TR1, TR2, 3,TR4
IEC 60706	Maintainability of equipment
IEC 61160:2006 (NF EN 61160)	Design review
IEC 60695	Fire hazard testing
IEC 60654	Industrial process measurement and control equipment -Operating conditions (All parts)
IEC 60617-DB-12M	Graphical symbols for diagram
IEC 60605	Equipment Reliability testing All Parts
IEC 60332	Tests on electric and optical fibre cables under fire conditions
IEC 61010	Safety requirements for electrical equipment for measurement, control, and laboratory use
IEC 61083-3	High-voltage test techniques - Part 3: Definitions and requirements for on-site testing
IEC 61204-3	draft Low voltage power supplies, dc output - Electromagnetic compatibility (EMC) (informative)
IEC 60480	Guidelines for the checking and treatment of sulphur hexafluoride (SF6) taken from electrical equipment and specification for its re-use
IEC 60364	Low-voltage electrical installations
IEC 61201	Extra- low voltage (ELV) - Limits values

ICH&CD	
IEC 61180	High-voltage test techniques for low voltage equipment
IEC 60376	Specification of technical grade sulphur hexafluoride (SF6) for use in electrical equipment
IEC 60449:1973	Voltage bands for electrical installations of buildings
IEC 60447:2004	Basic and safety principles for man-machine interface, marking and identification - Actuating principles
IEC 60445:2006	Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals and conductor terminations
IEC 60502-1	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) - Part 1: Cables for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV)
IEC 60300	Dependability management
IEC 61082-2	Preparation of documents used in electro technology - Part 2
IEC 61082-3	Preparation of documents used in electro technology - Part 3
IEC 61082-4	Preparation of documents used in electro technology - Part 4
IEC 61082-1	Preparation of documents used in electro technology - Part 1
IEC 61082-6	Preparation of documents used in electro technology - Part 6
IEC 61069	Industrial-process measurement and control. Evaluation of system properties for the purpose of system assessment
IEC 61000	Electromagnetic compatibility (EMC)
IEC 61025:2006	Fault tree analysis (FTA)
IEC 60748	Semiconductor devices - Integrated circuits
IEC 60310	Converter Transformers
IEC 60319:1999	Presentation and specification of reliability data for electronic components

ICH&CD	
IEC 60721	Classification of environmental conditions
IEC 60331-21	Tests for electric cables under fire conditions - Circuit integrity
IEC 61014:2003	Programmes for reliability growth
IEC TR 60146-1-2:1991	Semiconductor converters - General requirements and line commutated converters - Part 1-2: Application guide
IEC DICT:2005	IEC Multilingual Dictionary on CD-ROM - 6th edition
IEC 61286:2001	Information technology - Coded graphic character set for use in the preparation of documents used in electro technology and for information interchange
IEC 61882	Hazard and operability studies (HAZOP studies) - Application guide
IEC PAS 62508:2007	Guidance on human factors engineering for system life cycle applications
IEC ISO 81714	Design of graphical symbols for use in the technical documentation of products
IEC TR 61000-5-2	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines - Section 2: Earthing and cabling
IEC TR 61660-3	Short-circuit currents in d.c. auxiliary installations in power plants and substations - Part 3: Examples of calculations
IEC TR 62357:2003	Power systems control and associated communications -Reference architecture for objects models, services and protocols
IEC TS 60146-6:1992	Semiconductor converters - General requirements and line commutated converters - Part 6 Application guide for the protection of semiconductor converters against overcurrent by fuses
IEC 61355:1997	Classification and designation of documents for plants, systems and equipment
IEC 61709:1996	Electronic components - Reliability - Reference conditions for failure rates and stress models for conversion

ICH&CD	
IEC TS 61000-1-2	Electromagnetic compatibility (EMC) Part1-2 General-Methodology for the achievement of functional safety of electrical and electronic equipment with regard to electromagnetic phenomena
IEC 61360	Standard data element types with associated classification scheme
IEC 62305:2006	Protection against lightning
IEC TS 61000-6-5:2001	Electromagnetic interference (EMC) - Generic standard - Immunity of power station and substation environment
IEC 61346	Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations
IEC 853	Calculation of the cyclic and emergency current ratings of cables
IEC 62023:2000	Structuring of technical information and documentation
IEC 62402:2007	Obsolescence management - Application guide
IEC 62027:2000	Preparation of parts lists
IEC 62347:2006	Guidance on system dependability specifications
IEC 61968	Application Integration at electric utilities - System interface for distribution management
IEC 62198:2001	Project risk management - Application guidelines
IEC 62429:2007	Reliability growth - Stress testing for early failures in unique complex systems
IEC 62308:2006	Equipment reliability - Reliability assessment methods
ISO 14001:2004	Environmental Management Systems
IEC 62103:2003	Electronic Equipment for use in power installations
IEC 61660-2	Short-circuit currents in d.c. auxiliary installations in power plants and substations - Part 2: Calculation of effects
ISO 14617	Graphical symbols for diagrams
IEC 617	TC 3: Graphical symbols for diagrams

ICH&CD	
IEC 947	SC 17B: Low-voltage switchgear and control-gear
IEC 919	SC 22F: Performance of high-voltage d.c. (HVDC) systems
IEC 871	TC 33: Shunt capacitors for a.c. power systems having a rated voltage above 660V
IEC 61293:1994	Marking of electrical equipment with ratings related to electrical supply - Safety requirements
IEC 82045	Document management
IEC 61970	Energy management system application program interface (EMS-API)
IEC 76	TC 14: Power transformers
IEC 99	TC 37: Surge arresters
IEC 754	Tests on gases involved during combustion of electric cables
IEC 61378-3:2006	Converter transformers - Part 3: Application guide
IEC 61936-1:2002	Power installations exceeding 1 kV a.c. - Part 1: Common rules
IEC 728	SC 12G: Cable distribution systems
IEC 71	TC 28: Insulation co-ordination
IEC 801	SC 65A: Electromagnetic compatibility for industrial-process measurement and control equipment
IEC 61508 (NF EN 61508)	Functional safety of electrical/electronic/programmable electronic safety-related systems
IEEC C95.1-1991	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
IEC 61326	Electrical equipment for measurement, control and laboratory use - EMC requirements
IEEE 1050:2004	IEEE Guide for Instrumentation and Control Equipment Grounding in Generating Stations

ICH&CD	
IEC 61378-1:1997	Converter transformers - Part 1: Transformers for industrial applications
IEEE 142:2007	IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems (green book)
IEEE 80:2000	IEEE guide for Safety in AC Substation Grounding
ILO OSH 2001	Guidelines on occupational Safety and Health Management Systems
IEC 61660-1	Short-circuit currents in d.c. auxiliary installations in power plants and substations - Part 1: Calculation of short-circuit currents
IEEE 1100:2005	IEEE Recommended Practice for Powering and Grounding Electronic Equipment (Emerald book)l
ISO 80000	Quantities and units
IEC 61557	Electrical safety in low voltage distribution systems up to 1000V ac and 150V dc Equipment for testing, measuring or monitoring of protective measures
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part 2: Construction
ISO 9001:2000	Quality management systems - Requirements
ISO/IEC 15228:2002	System engineering - System Life cycle process
ITER Document	ITER Vacuum Handbook
ITER Document	Electrical Design Handbook (EDH)
ITER Document	Codes and Standards for ITER Mechanical Components
NF C 13-200	High voltage electrical installations for electrical energy production sites, industrial, commercial and agricultural sites
NF C 15-100	Low-voltage electrical installations
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part1: Design Criteria
ISO/IEC 13943	Fire Safety - Vocabulary (ISO TC 92)

ICH&CD	
ISO 9000-3	Quality Management and Quality Assurance Standards - Part 3: Guidelines for the application of ISO 9001 to the Development of Supply and Maintenance of Software
NF C 13-000	Power installations exceeding 1 kV a.c
ITER Document	Plant Control Design Handbook
ISO/IEC Guide 2:2004	Standardization and related activities - General vocabulary
ASME B36.10	Welded and seamless wrought steel pipes
ASME B36.19	Stainless steel pipes
ANSI/EIA-748-A-1998	Earned Value Management Systems
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME BPVC Sec. IX	ASME Boiler and Pressure Vessel Code (BPVC) - Section IX - Qualification Standard for Welding, Brazing, and Fusing
ASME B31.3	Process Piping
APSAD	Assemblée Plénière des Sociétés d'Assurances Dommages) rules R7 (fire detection) and R13 (fire-extinguishing
ASME/ANSI B16.25	Pipe, valve, fitting and flange butt weld ends
ASME B31.1	Power Piping
EJMA	Standards of the expansion joint manufacturers association
ANSI/ASME B16.34	Valves - flanged, threaded, and welding end
CISPR 11	Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement
EN 50136	Alarm systems and alarm equipments
CISPR 11:2004	Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement

ICH&CD	
CISPR 16-1:1993	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1: Radio disturbance and immunity measuring apparatus
CISPR 11amd 2	Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement - Amendment 2
CISPR 22:1997	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
NF EN 50110-2	Operation of electrical installations - Part 2: National annexes
NF EN 50110-1:2004	Operation of electrical installations - Part 1: general requirements
NF EN 45510-1:1998	Guide for procurement of power station equipment - Part 1: Common clauses
NF EN 45510-2:1998	Guide for procurement of power station equipment - Part 2: Electrical Equipment - Section 4 High power static converters
NF EN 55011:2016	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement
NF EN 45510-8-1:1998	Guide for procurement of power station equipment - Part 8-1: Control and instrumentation
NF EN 13460	Documents for maintenance
NF EN 13306:2001	Maintenance terminology
NF X60	Maintenance industrielle
NF EN 50110-1	Operation of electrical installations - Part 1: general requirements

3.18 In-Vessel Viewing System

In-Vessel Viewing System	
RCC-MRx 2012	Design and Construction Rules for mechanical components of nuclear installations: high-temperature, research and fusion reactors
RCC-MR 2007	Rules for design and construction of fast breeder liquid metal cooled reactors
EN ISO 5817:2007	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
EN ISO 15614-1:2003	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	Plant Control Design Handbook
ITER Document	ITER Vacuum Handbook
ITER Document	In-vessel Components, SDC-IC
ITER Document	ITER Remote Handling Code of Practice
ITER Document	SRD-57 (was 23-04) (In-Vessel Viewing Systems) from DOORS
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)
ITER Document	EDH Part 5: Earthing and Lightning Protection
ITER Document	EDH Part 3: Codes & Standards
EN 970	Non destructive examination of fusion welds. Visual examination
EN 287-1:2004	Qualification test of welders - Fusion welding - Part 1: Steels
EN 875	Destructive tests on welds in metallic materials-Impact test
EN ISO 15609-1	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding
EN 473	Non-destructive testing - Qualification and certification of NDT personnel

In-Vessel Viewing System	
EN 895	Destructive tests on welds in metallic materials -Transverse tensile tests,
EN 1418:1998	Welding personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN 910	Destructive tests on welds in metallic materials. Bend tests
EN 571-1	Non-destructive testing - Penetrant testing - Part 1: General principles
EN 1043-1	Hardness tests on arc welded joints
EN 1321	Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds
EN 1714	Non-destructive testing of welds - Ultrasonic testing of welded joints
EN 1435	Non-destructive testing of welds - Radiographic testing of welded joints
Standard equivalent to EN 473	not given
Standard equivalent to EN 1043-1	not given
ITER Document	Electrical Design Handbook (EDH)
Directive 1989/336/EEC	Electromagnetic Compatibility (EMC)
Directive 1973/23/EEC	Electrical equipment designed for use within certain voltage limits

3.19 Liquid and Gas Distribution

Liquid and Gas Distribution	
RCC-M	Design and construction Rules for Mechanical Components of PWR Nuclear Islands
Euronorms	Euronorms
Eurocode NA	Eurocode National Annex
Eurocode	not given
IEC 61000	Electromagnetic compatibility (EMC)
INRS ND 2103-175-99	Cahiers de notes documentaires - Hygiène et sécurité du travail -Evaluation de la qualité de l'air utilisé pour l'alimentation des systèmes à adduction d'air
INRS ED 780	Les appareils de protection respiratoire - Choix et utilisation
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	Electrical Design Handbook (EDH)
ITER Document	CAD Manual
ITER Document	Load Specifications (LS)
ISO 8573	Compressed air
ITER Document	CODAC Conceptual Design
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part1: Design Criteria
ITER Document	ITER Fire Safety Approach
ITER Document	Plant Control Design Handbook

Liquid and Gas Distribution	
ASME B31.3:2004	Process Piping
ANSI/ISA-67.02.01-1999	Nuclear Safety-Related Instrument Sensing Line Piping and Tubing Standard for Use in Nuclear Power Plants (only applicable to the SIC components of the system)
EN 13458-2:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing
EN 12434:2000	Cryogenic vessels - Cryogenic flexible hoses
EN 15036-2:2006	Heating boilers - Test regulations for airborne noise emissions from heat generators: Part 2: Flue gas noise emissions at the outlet of the heat generator
EN 15154-2	Emergency Safety Showers - Part 2
EN 15154-1	Emergency Safety Showers - Part 1
EN 13458-3:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 3: Operational requirements
EN 13648-2:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices for cryogenic service
EN 14197-1:2003	Cryogenic vessels - Static non-vacuum insulated vessels - Part 1: Fundamental requirements
EN 13648-3:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 3: Determination of required discharge - Capacity and sizing
EN 14394:2005	Heating boilers - Heating boilers with forced draught burners - Nominal heat output not exceeding 10 MW and maximum operating temperature of 110°C
EN 1252-2:2001	Cryogenic vessels - Materials - Part 2: Toughness requirements for temperatures between -80°C and -20°C
EN 15036-1:2006	Heating boilers - Test regulations for airborne noise emissions from heat generators: Part 1: Airborne noise emissions from heat generators
EN 1797:2001	Cryogenic vessels - Gas/material compatibility

Liquid and Gas Distribution	
EN 132:1999	Respiratory protective devices - Definitions
EN 253:2003	District heating pipes - Pre-insulated bonded pipe systems for directly buried hot water networks - Pipe assembly of steel service pipe, polyurethane thermal insulation and outer casing of polyethylene
EN 1252-1:1998	Cryogenic vessels- Materials- Part I: Toughness requirements for temperatures below -80 C
EN 13648-1:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service
EN 15332:2007	Heating boilers - Energy assessment of hot water storage systems
EN 1626:1999	Cryogenic vessels - Valves for cryogenic service
EN 13371:2001	Cryogenic vessels - Couplings for cryogenic service
DTU edited by CSTB	not given
EN 13458-1:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 1: Fundamental requirements
EN 14197-3:2004	Cryogenic vessels - Static non-vacuum insulated vessels - Part 3: Operational requirements
EN 13941:2003	Design and installation of pre-insulated bonded pipe systems for district heating
EN 12021:1999	Respiratory protective devices. Compressed air for breathing apparatus
EN 14197-2:2003	Cryogenic vessels - Static non-vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing
Normes AFNOR	not given
NF EN 671-2/A1:2004	Installations fixes de lutte contre l'incendie - Systèmes équipés de tuyaux - Partie 2: postes d'eau muraux équipés de tuyaux plats
NF S 62-200	Matériel de lutte contre l'incendie - Poteaux et bouches d'incendie

Liquid and Gas Distribution	
NF ISO 6790:1987	Symboles graphiques pour plans de protection contre l'incendie - Spécifications
NF EN 14339	Bouches d'incendie enterrées (indice de classement: S61-211)
NF EN 14384	Poteaux d'incendie (indice de classement: S61-213)
NF S 62-201	Matériel de lutte contre l’incendie - Robinets d’incendie armés (R.I.A)

3.20 Machine Assembly

Machine Assembly	
not given	not given
not given	Continuous handling equipment and systems. Safety and EMC requirements for equipment for mechanical handling of unit loads
EN ISO 13753:2008	Method for measuring the vibration transmissibility of resilient materials when loaded by the hand-arm system
EN ISO 14122-4/+A1:2010	Fixed ladders
EN ISO 13850:2008	Safety of machinery - Emergency stop - Principles for design
EN ISO 20643/+A1:2012	Principles for evaluation of vibration emission
EN ISO 13849-1:2008	Safety of machinery - Safety-related parts of control systems. Part 1: General principles for design
EN ISO 11200:2009	Noise emitted by machinery and equipment
EN ISO 14122-3/+A1:2010	Stairs, stepladders and guard rails
EN ISO 11202:2010	Noise emitted by machinery and equipment
FEM 1.005:2003	Heavy Lifting and Handling Equipment - Recommendations for tower cranes structures in out of service conditions
FEM 1.001:1998	Heavy Lifting and Handling Equipment - Rules for the design of hoisting equipment
EN ISO 13855:2010	The positioning of protective equipment in respect of approach speeds of parts of the human body
EN ISO 4414:2010	Pneumatic fluid power - General rules and safety requirements for systems and their components
EN ISO 13857:2008	Safety distances to prevent danger zones being reached by the upper limbs
EN ISO 14159:2008	Hygiene requirements for the design of machinery

Machine Assembly	
EN ISO 13849-2:2012	Safety related parts of control systems. Validation
EN 981/+A1:2008	System of auditory and visual danger and information signals
EN ISO 7731:2008	Auditory signals
FEM 1.004:2000	Heavy Lifting and Handling Equipment - Recommendation for the calculation of wind loads on crane structures
EN ISO 14738:2008	Anthropometric requirements for the design of workstations of machinery
EN ISO 14122-2/+A1:2010	Working platforms and walkways
EN ISO 12100:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction
EN ISO 4413:2010	Hydraulic fluid power - General rules and safety requirements for systems and their components
EN ISO 14122-1/+A1:2010	Choice of fixed means of access between two levels
NF C 15-100:2002	Low-Voltage electrical installations
ASME BPVC Sec. II	ASME Boiler and Pressure Vessel Code (BPVC) - Section II - Materials
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
EN 1677-1/+A1:2009	Components for slings - Safety - Part 1: Forged steel components, Grade 8
EN 1677-3/+A1:2008	Components for slings - Safety - Part 3: Forged steel self-locking hooks - Grade 8
EN 1677-4/+A1:2009	Components for slings - Safety - Part 4: Links, Grade 8
EN 13155/+A2:2009	Cranes - Safety - Non-fixed load lifting attachments

Machine Assembly	
EN 1677-5/+A1:2009	Components for slings - Safety - Part 5: Forged steel lifting hooks with latch - Grade 4
EN 1677-6/+A1:2009	Components for slings - Safety - Part 6: Links - Grade 4
EN 1570-1:2011	Safety requirements for lifting tables. Lifting tables serving up to two fixed landings
EN 15011:2011	Bridge and Gantry cranes
EN 1677-2/+A1:2008	Components for slings - Safety - Part 2: Forged steel lifting hooks with latch, Grade 8
EN 13414-2/+A2:2008	Specification for information for use and maintenance to be provided by the manufacturer
EN 13411-1/+A1:2008	Thimbles for steel wire rope slings
EN 13411-2/+A1:2008	Splicing of eyes for wire rope slings
EN 13411-3/+A1:2008	Ferrules and ferrule-securing
EN 13411-4:2011	Metal and resin socketing
EN 13411-5/+A1:2008	U-bolt wire rope grips
EN 1005-4:2005+A1:2008	Safety of machinery - Human physical performance - Part 4: Evaluation of working postures and movements in relation to machinery
EN 13411-8:2011	Swage terminations and swaging
EN 13157/+A1:2009	Hand powered lifting equipment
EN 13414-3/+A1:2009	Grommets and cable-laid slings
EN 1005-1:2001+A1:2008	Safety of machinery - Human physical performance - Part 1: Terms and definitions
EN 1005-2:2003+A1:2008	Safety of machinery - Human physical performance - Part 2: Manual handling of machinery and component parts of machinery

Machine Assembly	
EN 13001-3-2:2013	Cranes - General design - Part 3-2: Limit states and proof of competence of wire ropes in reeving systems
EN 1005-3:2002+A1:2008	Safety of machinery - Human physical performance - Part 3: Recommended force limits for machinery operation
EN 14985:2012	Cranes - slewing jib cranes
EN 13411-6/+A1:2008	Asymmetric wedge socket
EN 12385-4/+A1:2008	Stranded ropes for general lifting applications
EN 13586/+A1:2008	Cranes - Access
EN 13557/+A1:2008	Cranes - Controls and control stations
EN 12077-2/+A1:2008	Limiting and indicating devices
EN 13889/+A1:2009	Forged steel shackles for general lifting purposes - Dee shackles and bow shackles - Grade 6 - Safety
EN 13891:2004	Guide to selection and use of tensional strapping
EN 12385-1/+A1:2008	General requirements
EN 13478/+A1:2008	Fire prevention and protection
EN 14238/+A1:2009	Manually controlled load manipulating devices
EN 13414-1/+A2:2008	Slings for general lifting service
EN 12385-2/+A1:2008	Definitions, designation and classification
EN 12385-3/+A1:2008	Information for use and maintenance
EN 13001-3-3:2013	Cranes - General design - Part 3-3: Limit states and proof of competence of wheel/rail contacts
EN 1037/+A1:2008	Safety of machinery - Prevention of unexpected start-up
EN 1492-4:2004+A1:2009	Textile slings - Safety - Part 4: Lifting slings for general service made from natural and man-made fibre ropes

Machine Assembly	
EN 14492-2/+A1:2009	Power driven hoists
EN 12644-1:2001+A1:2008	Information for use and testing - Part 1: Instructions
EN 12644-2:2000+A1:2008	Information for use and testing - Part 2: Marking
EN 1299/+A1:2009	Information for the application of source isolation
EN 13001-1/+A1:2009	Cranes - General design - Part 1: General principles and requirements
EN 13001-2:2013	Crane safety - General design - Part 2: Load actions
EN 13001-3-1:2013	Cranes - General Design - Part 3-1: Limit States and proof competence of steel structure
EN 13001-3-4:2013	Cranes - General design - Part 3-4: Limit states and proof of competence of machinery - Bearings
EN 13135-1:2003+A1:2010	Cranes - Equipment - Part 1: Electrotechnical equipment
EN 13135-2:2004+A1:2010	Cranes - Equipment - Part 2: Non-electrotechnical equipment
EN 1492-1:2001+A1:2009	Textile slings - Safety - Part 1: Flat woven webbing slings made of man-made fibres for general purpose use
EN 1492-2:2001+A1:2009	Textile slings - Safety - Part 2: Roundslings made of man-made fibres for general purpose use
EN 1088/+A2:2008	Safety of machinery - Interlocking devices associated with guards - Principles for design and selection
EN 1837/+A1:2009	Integral lighting of machines
EN 60947/+A1:2012	Electro mechanical contactors and motor starters
EN 894-3/+A1:2008	Control actuators
EN 894-4:2010	Location and arrangement of displays and control actuators
EN 842	Visual danger signals - General requirements, design and testing

Machine Assembly	
EN 13411-7/+A1:2008	Symmetric wedge socket
EN 62061:2005	Functional safety of safety related electrical, electronic and programmable electronic control systems
EN 894-1/+A1:2008	Displays
EN 619:2002+A1:2012	Guide for Manufacturers of the Assembly tooling
EN 1990/NA:2011	Eurocode 0 - Basis of design
EN 61496-1/+A1:2008	Electro-sensitive protective equipment
EN 614-2/+A1:2008	Interactions between the design of machinery and work tasks
EN 614-1/+A1:2009	Terminology and general principles
EN 61310-3:2008	Requirements for the location and operation of actuators
EN 61310-2:2008	Requirements for marking
EN 61310-1:2008	Requirements for visual, acoustic and tactile signals
EN 1898:2000	Specifications for flexible intermediate bulk containers (FIBCs) for non-dangerous goods
EN 1991/NA/+A2:2012	Eurodode 1: Actions on structures
EN 547-1/+A1:2008	Principles for determining the dimensions required for openings for whole body access into machinery
EN 818-7/+A1:2008	Fine tolerance hoist chain, Grade T (Types T, DAT and DT)
EN 60204-32:2008	Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines
EN 818-6/+A1:2008	Specification for information for use and maintenance to be provided by the manufacturer
EN 818-5/+A1:2008	Chain slings - Grade 4
EN 818-4/+A1:2008	Chain slings - Grade 8

Machine Assembly	
EN 894-2/+A1:2008	Displays
EN 818-2/+A1:2008	Medium tolerance chain for chain slings - Grade 8
EN 1999/+A1:2012	Eurocode 8 - Design of structures and earthquake resistance
EN 818-1/+A1:2008	General conditions of acceptance
EN 547-2/+A1:2008	Principles for determining the dimensions required for access openings
EN 547-3/+A1:2008	Anthropometric data
EN 1992/NA:2008	Eurocode 2 - Design of concrete structures
EN 349/+A1:2008	Minimum gaps to avoid crushing of parts of the human body
EN 1993/NA:2011	Eurocode 3 - Design of steel structures
EN 818-3/+A1:2008	Medium tolerance chain for chain slings - Grade 4
EN 60204-11:2001	Safety of machinery - Electrical equipment of machines - Part 11: Requirements for equipment for voltages above 1 000 V AC or 1 500 V DC and not exceeding 36 kV
EN 60204-1/+A1:2009	Safety of machinery - Electrical equipment of machines - Part 1: General requirements
EN 1997:2007	Eurocode 7 - Geotechnical design
EN 574:1996	Two-hand control devices - functional aspects - Principles of design
EN 953/+A1:2009	General requirements for the design and construction of fixed and moving guards
NF EN ISO 3266:2010	Forged steel eyebolts grade 4 for general lifting purposes
RCC-MR	Rules for design and construction of fast breeder liquid metal cooled reactors

Machine Assembly	
European Norms	not given
French Regulations relative to occupational health and safety (in accordance with the article 14 of the ITER Agreement)	not given
NF C 15-100	Low-voltage electrical installations
ITER Document	Internal regulations - Article 7.4 Protection against risks when handling heavy equipment
ITER Document	EDH Part 1: Introduction
ITER Document	ITER Vacuum Handbook
ITER Document	Electrical Design Handbook (EDH)
EJMA	Standards of the expansion joint manufacturers association
Directive 97/23/EC	Directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment
Arrêté VAA:2004	Arrêté du 1 mars 2004 relatif aux vérifications des appareils et accessoires de levage
ASME	ASME Codes and Standards
Directive 1989/655/EEC	Minimum safety and health requirements for the use of work equipment by workers at work
Directive 2006/42/EC	Machinery
Directive 2001/45/EC	Minimum safety and health requirements for the use of work equipment by workers at work
Directive 1992/57/EEC	Temporary or mobile construction sites

Machine Assembly	
Décret 2004-924	Décret n°2004-924 du 1 septembre 2004 relatif à l'utilisation des équipements de travail mis à disposition pour des travaux temporaires en hauteur et modifiant le code du travail (deuxième partie ; Décrets en Conseil d'Etat) et le décret n° 65-48 du 8 jan

3.21 Magnet

Magnet	
HGW 2372.4	STRATIFIÉ RÉSINE ÉPOXY / G11 / EP GC 203
IEC 60270	High-voltage test techniques - Partial discharge measurements
IEC 60893	Insulating materials - Industrial rigid laminated sheets based on thermosetting resins for electrical purposes
ISO 17635	Non-destructive Testing of Welds - General Rules for Fusion Welds in Metallic Materials
ISO 15614-11	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 11: electron and laser beam welding
ISO 3834	Quality requirements for fusion welding of metallic materials
ISO 5817	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
ISO 14732	Welding Personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
ISO 17639	Destructive Tests on Welds in Metallic Materials - Macroscopic and Microscopic Examination of Welds
ISO 14644	Clean room and associated working environments
ISO 17640	Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment
ISO 17637	Non-destructive Testing of Welds - Visual Testing of Fusion-welded Joints
ISO 6520-1	Welding and allied Processes - Classification of Geometric Imperfections in Metallic Materials - Part 1: Fusion Welding
ISO 14731	Welding coordination - Tasks and responsibilities
ISO 3452	Non-destructive testing - Penetrant Testing

Magnet	
ISO 17636	Non-destructive testing of welds - Radiographic testing
ISO 5187	Assemblies made with soft solders and soldering filler metals. Mechanical tests methods
ISO 3452-1	Non-destructive testing - Penetrant Testing - Part 1: General Principles
ISO 17643	Non-destructive examination of welds - Eddy current testing of welds
ISO 17655	Destructive tests on welds in metallic materials - Method for taking samples for delta ferrite measurement
ISO 15607	Specification and qualification of welding procedures for metallic materials - General rules
ISO 15608	Welding - Guidelines for metallic materials grouping system
ISO 13919-1	Electrons and laser beam welded joints- Guidance on Quality Levels for Imperfections in steel
ISO 15614-1	Specification and qualification of welding procedures for metallic materials Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
ISO 15609-1	Specification and Qualification of Welding Procedures for Metallic Materials - Welding Procedure Specification - Part 1: Arc Welding
ISO 8249	Determination of Ferrite Number (FN) in austenitic stainless steel weld metal
IEEE Standard 95-2002	IEEE Recommended practice for insulation testing of AC electric machinery (2300 V and above) with High Direct Voltage
ISO 15609-4	Specification and Qualification of Welding Procedures for Metallic Materials - Welding Procedure Specification - Laser beam welding
ISO 17662	Calibration, verification and validation of equipment used for welding, including ancillary activities

Magnet	
ISO 7438	Metallic materials - Bend test
ITER Document	DDD11: 1. Engineering Description
NEMA G11	not given
ISO 9712	Non-destructive testing - Qualification and certification of NDT personnel
NEMA LI 1	Industrial Laminated Thermosetting Products
NEMA G10	not given
ISO 9606-1	Qualification test of welders - Fusion welding - Part1: Steels
JIS K 6912	Laminated thermosetting sheets
ASTM D2865	Standard practice for calibration of standard equipment for electrical insulating materials testing
ASTM A751	Standard Specification for Test Methods, Practices and Terminology of Chemical Analysis of Steel Product
ASTM E112-96(2004)e1	Standard Test Methods for Determining Average Grain Size
ASTM A380	Standard Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems
ASTM E45-05(2005)	Standard Test Methods for Determining the Inclusion Content of Steel
ASTM B152	Copper sheet, strip, plate and rolled bar
ASTM A370	Test Methods and Definitions for Mechanical Testing of Steel Products
ASTM A342	Test Method for Permeability of feebly magnetic Materials
ASTM E498	Standard Practice for Leaks Using the Mass Spectrometer Leak Detector or Residual Gas Analyzer in the Tracer Probe Mode
ASTM E1820	Standard Test Method for Measurement of Fracture Toughness

Magnet	
ASTM D149	Standard test method for dielectric breakdown voltage and dielectric strength of solid electrical insulating materials at commercial power frequencies
ASTM D150	Standard test method for AC loss characteristics and permittivity of solid electrical insulation
ASTM E1450	Standard Test Method for Tension Testing of Structural Alloys in Liquid helium
ASTM D3426	Standard test method for dielectric breakdown voltage and dielectric strength of solid electrical insulating materials using impulse waves
ASTM E499	Leaks using the mass spectrometer leak detector in the detector probe mode
ASME BPVC Sec. III	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components
ASTM A480/A480M	Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip
ASTM 3755	Standard test method for dielectric breakdown voltage and dielectric strength of solid electrical insulating materials under direct voltage
ASTM A484/A484M	Standard Specification for General Requirements for Stainless Steel Bars, Billets, and Forgings
ASTM A745	Standard Practice for ultrasonic Examination of austenitic Steel Forgings
ASTM E8M	Standard Test Methods for Tension Testing of Metallic Materials [Metric]
ASME BPVC Sec. V	ASME Boiler and Pressure Vessel Code (BPVC) - Section V - Non-destructive examination
ASTM A700	Standard Practices for Packaging, making, and Loading Methods for Steel Products for Domestic Shipment
EN 13134	Soldering Procedure approval

Magnet	
EN 910	Destructive tests on welds in metallic materials. Bend tests
EN 13133	Soldering Soldering approval
EN 444	Non-destructive testing - General principles for radiographic examination of metallic materials by X-ray and gamma-rays
DIN 7735	not given
EN 583	Non-destructive testing - Ultrasonic examination
EN 10002	Metallic materials - Tensile testing - Part 1: Method of test at ambient temperature
EN 10088-2:2005	Stainless steels - Part 2: Technical delivery conditions for corrosion-resistant steel sheet and strip for general use
DIN 1250-1	not given
EN 10216-5	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 1712	Non destructive examination of welds - Ultrasonic Examination of welded Joints - Acceptance levels
EN 12797	Brazing - Destructive tests of brazed joints
BS 3953	Specification for Synthetic resin bonded woven glass fabric laminated sheet
EN 12799	Soldering Non-destructive examination of soldered joints
not given	IO reference documents
NF EN 13625	Leak Testing - Guide to the selection of instrumentation for the measurement of gas leakage
NF EN 1518	Leak Testing - Characterization of mass spectrometer leak detectors
NF EN 1779	Non-destructive testing - Leak testing - Criteria for method and technique selection
not given	Appendix 2 Tubing for cryogenic application

Magnet	
not given	Appendix 3 Manual and automatic ARC welding
NF EN 1330-8	Non-destructive testing - Terminology - Part 8: Terms used in leak tightness testing
not given	Appendix 9 Cleaning of metallic surfaces
not given	Appendix 8 Clean room, reserve area and air conditions
not given	Appendix 4 Laser and e-beam welding
not given	Appendix 4 Electron and laser beam welding
not given	Appendix 3 Manual and automatic Tungsten Inert Gas (TIG) welding
not given	Appendix 12 Leak tightness tests
not given	Appendix 1 Austenitic stainless steel 316LN forgings and hot rolled plates
not given	S. W. Schwenterly, High-voltage testing of superconducting power apparatus, Cryogenics 1998, Volume 38, Number 11, pp. 1115-1122
NF EN 13184	Leak Testing - Pressure change method
NF EN 13192	Non-destructive testing - Leak test - Calibration of gaseous reference leaks
NF EN 13185	Non-destructive testing - Leak testing - Tracer gas method
EN ISO 3344	Reinforcement yarns - Determination of moisture content
MIL-HDBK-17	Military Handbook of Polymer Matrix Composites
ASTM D5379	Test Method for Shear Properties of Composite Materials by the V-Notched Beam Method
ASM	ASM Handbook
ASTM D3039	Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials
ASTM D3171	Constituent Content of Composite Materials

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ASTM D3410	Standard Test Method for Compressive Properties of Polymer Matrix Composite Materials with Unsupported Gage Section by Shear Loading
ASTM D3479	Test Method for Tension-Tension Fatigue of Polymer Matrix Composite Materials
ASTM D3518	Test Method for In-Plane Shear Response of Polymer Matrix Composite Materials by Tensile Test of a 45° Laminate
ASTM D3846	Test Method for In-Plane Shear Strength of Reinforced Plastics
ASTM D5083	Test Method for Tensile Properties of Reinforced Thermosetting Plastics Using Straight-Sided Specimens
ASTM E543	Agencies Performing Nondestructive Testing
ASTM D2734	Void Content of reinforced plastics
ASTM D5229	Test Method for Moisture Absorption Properties and Equilibrium Conditioning of Polymer Matrix Composite Materials
ASTM D2990	Standard Test Methods for Tensile, Compressive, and Flexural Creep and Creep-Rupture of Plastics
ASTM D5687	Preparation of flat composite panels with processing guidelines for specimen preparation
ASTM D7028	Glass Transition Temperature (DMA Tg) of Polymer Matrix Composites by Dynamic Mechanical Analysis (DMA)
ASTM D7078	Test Method for Shear Properties of Composite Materials by V-Notched Rail Shear Method
ASTM D792	Specific Gravity of Plastics by Displacement
ASTM E1012	Standard Practice for Verification of Specimen Alignment Under Tensile Loading
ASTM E132	Test Method for Poisson's Ratio at Room Temperature
ASTM E4	Standard Practices for Force Verification of Testing Machines

Magnet	
ASTM D1308	Test Method for stiffness of fabrics
ASTM D2258	Sampling for Yarn Testing
ASTM D2256	Tensile Properties of Yarns
ASTM E74	Calibration of Force-Measuring Instruments for Verifying the Force Indication of Testing Machines
ASTM D1776	Conditioning and Testing Textiles
ASTM D1505	Test Method for Density of Plastics by the Density-Gradient Technique
ASTM D2563	Classifying Visual Defects in Glass-Reinforced Plastic Laminate Parts
ASTM E83	Verification and Classification of Extensometers
ASTM D123	Terminology relating to Textiles
IEC 60093	Methods of Test for Volume Resistivity and Surface Resistivity of Solid Electrical Insulating Materials
ISO 15609-3	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 3: Electron beam welding
ISO 15613	Specification and qualification of welding procedures for metallic materials - Qualification based on pre-production welding test
ASTM D6132	Standard Test Method for Nondestructive Measurement of Dry Film Thickness of Applied Organic Coatings Using an Ultrasonic Gage
ASTM D1186	Standard Test Methods for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to a Ferrous Base
ASTM G99	Standard Test Method for Wear Testing with a Pin-On-Disc Apparatus

Magnet	
ASTM G65	Standard Practice for Conducting Dry Sand/Rubber Wheel Abrasion Tests
ASTM G76	Standard Practice for Conducting Erosion Tests by Solid Particle Impingement Using Gas Jets
ASTM D257-07	Standard Test Methods for DC Resistance or Conductance of Insulating Materials
EN 10088-3:2005	Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes
not given	BerNDE, M.L. and BerNDE, C.C., 'Thermal Spray Coatings' in ASM Handbook Volume 13A, Corrosion: Fundamentals, Testing, and Protection / Stephen D. Cramer and Bernard S. Covino Jr. (eds.), pp. 808-813, 2003
not given	Forgings and Forgings Stock for High-Temperature Service
IEC 60674-3-4:1993	Specification for plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheets 4 to 6: Requirements for polyimide films used for electrical insulation
IEC 60893-3-2:2003	Insulating materials - Industrial rigid laminated sheets based on thermosetting resins for electrical purposes - Part 3-2: Specifications for individual materials - Requirements for rigid laminated sheets based on epoxy resins
ISO 14232	Thermal spraying - Powders - Composition and technical supply conditions
ISO 14922-2	Thermal spraying - Quality requirements of thermally sprayed structures
ISO 1463	Metallic and oxide coatings - Measurement of coating thickness - Microscopical method
ISO 14924	Thermal spraying - Post-treatment and finishing of thermally sprayed coatings
ISO 14921	Thermal spraying - Procedures for the application of thermally sprayed coatings for engineering components

Magnet	
ISO 14918	Thermal spraying - Approval testing of thermal sprayers
JIS Z 2284:1998	Method of Elastic-plastic Fracture Toughness JIC Testing for Metallic Materials in Liquid Helium
JIS Z 2284	Method of Elastic-plastic Fracture Toughness JIc Testing for Metallic Materials in Liquid Helium
ITER Document	Electro-insulating ceramic coatings
ASTM A962/A962M	Standard Specification for Common Requirements for Steel Fasteners or Fastener Materials, or Both, Intended for Use at Any Temperature from Cryogenic to the Creep Range
ASTM A800/A800M	Standard Practice for Steel Casting, Austenitic Alloy, Estimating Ferrite Content Thereof
ASTM A453/A453M	Standard Specification for High-Temperature Bolting Materials, with Expansion Coefficient Comparable to Austenitic Stainless Steels
ASTM A320/A320M	Standard Specification for Alloy/Steel Bolting Materials for Low-Temperature Service
ASTM A638/A638M	Standard Specification for Precipitation Hardening Iron Base Superalloy Bars, Forgings, and Forging Stock for High-Temperature Service
ASTM E1473	Test Methods for Chemical Analysis of Nickel, Cobalt and High-Temperature Alloys
ASTM D7091	Standard Practice for Non-destructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals
ASTM D257	The electrical resistance
ASTM D1920	Standard Guide for Metallographic Preparation of Thermal Sprayed Coatings
ASTM B637	Standard Specification for Precipitation-Hardening Nickel Alloy Bars

Magnet	
ASTM B880	Standard Specification for General Requirements for Chemical Check Analysis Limits for Nickel, Nickel Alloys and Cobalt Alloys
ASTM F812/F812M	Standard Specification for Surface Discontinuities of Nuts, Inch and Metric Series
ASTM F788/F788M	Standard Specification for Surface Discontinuities of Bolts, Screws, and Studs, Inch and Metric Series
ASTM C633	Standard Test Method for Adhesion or Cohesive Strength of Flame Sprayed Coatings
ASTM E45-05	Standard Test Methods for Determining the Inclusion Content of Steel
ASME B18.22M	Metric Pain Washers
ASTM F606M	Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, and Rivets
ASTM A1014/A1014M	Standard Specification for Precipitation-Hardening Bolting Material (UNS N07718) for High Temperature Service
ASME B1.13M	Metric Screw Threads - M Profile
ASTM E340	Standard Test Method for Macroetching Metals and Alloys
ASME B18.2.3.5M	Metric Hex Bolts
ASME B18.2.4.6M	Metric Heavy Hex Nuts
EN 13507	Thermal spraying - Pre-treatment of surfaces of metallic parts and components for thermal spraying
prEN 4050-4:1994	Aerospace series - Test method for metallic materials; ultrasonic inspection of bars, plates, forging stock and forgings - Part 4: Acceptance criteria’
UNE-En ISO 14253-1:1999	Geometrical Product Specifications (GPS). Inspection by Measurement of Work Pieces and Measuring Equipment. Part 1: Decision Rules for Proving Conformance or Non-Conformance With Specifications (ISO 14253-1:1998)

Magnet	
not given	APPENDIX 9 Clean room, reserve area and air conditions
UNE-En ISO 14660-1:2000	Geometrical Product Specifications (GPS) - Geometrical Features- Part 1: General Terms And Definitions. (ISO 14660-1:1999)
RCC-MR 2007	Rules for design and construction of fast breeder liquid metal cooled reactors
UNE-En ISO 5458:1999	Geometrical Product Specifications (GPS) - Geometrical Tolerancing - Positional Tolerancing (ISO 5458:1998)
not given	APPENDIX 10 Cleaning of metallic surfaces
UNE-En ISO 3650:2000	Geometrical Product Specification (GPS). Length Standards. Gauge Blocks (ISO 3650:1998)
UNE-En ISO 12085:1998	Geometrical Product Specification (GPS). Surface Texture: Profile Method. Motif Parameters. (ISO 12085:1996)
UNE-En 20286-2:1996	1996ISO System of Limits and Fits. Part 2: Tables of Standard Tolerance Grades and Limit Deviations for Holes and Shafts. (ISO 286-2:1988)
UNE-En 20286-1:1996	ISO System of Limits and Fits. Part 1: Bases of Tolerances, Deviations and Fits. (ISO 286-1:1988)
not given	APPENDIX 12 Leak test
ISO 3452-5:2008	Non-destructive testing - Penetrant testing - Part 5: Penetrant testing at temperatures higher than 50 degrees C
ISO 12857	Field Procedure for determining accuracy of Surveying Instruments
ISO 15607:2003	Specification and qualification of welding procedures for metallic materials - General rules
ISO 13919-1:1996	Electrons and laser beam welded joints- Guidance on Quality Levels for Imperfections in steel’
ISO 15609-4:2009	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 4: laser beam welding

Magnet	
ISO 15614-11:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 11: electron and laser beam welding
ISO 11666	Non-destructive testing of welds. Ultrasonic testing of welded joints - Acceptance Levels
ISO 15614-1:2004/AMD1:2008	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
ISO 8249:2000	Welding - determination of Ferrite Number (FN) in austenitic and duplex ferritic austenitic Cr-Ni stainless steel weld metals
ISO 5579:1998	Non-destructive testing - Radiographic examination of metallic materials by X- and gamma rays - Basic rules
ISO 14731:2006	Welding coordination - Tasks and responsibilities
ISO 5817:2003	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
JIS Z 2283	Method of Low Cycle Fatigue Testing for Metallic Materials in Liquid Helium
ISO 9712:2005	Non-destructive testing - Qualification and certification of NDT personnel
NF A 49-875-2	not given
ISO 9606-1:2002	Qualification test of welders - Fusion welding - Part1: Steels
JIS Z 2277:2000	Method of Tensile Testing for Metallic Materials in Liquid Helium
ISO 9304:1989	Seamless and welded (except submerged arc-welded) steel tubes for pressure purposes - Eddy current testing for the detection of imperfections
ASTM E0426-98(2007)	Practice for Electromagnetic (Eddy-Current) Examination of Seamless and Welded Tubular Products, Austenitic Stainless Steel and Similar Alloys

Magnet	
ASTM E0309-95(2006)	Practice for Eddy-Current Examination of Steel Tubular Products Using Magnetic Saturation
ASTM A262-02A(2008)	Standard Practices for Detecting Susceptibility to Inter-granular Attack in Austenitic Stainless Steel
ASTM E739-91	Standard Practice for Statistical Analysis of Linear or Linearized Stress-Life (S-N) and Strain-Life (e-N) Fatigue Data
ASTM A479M	Standard Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels
ASME B36.19M:2004	Stainless Steel Pipes
ASTM E813	Standard Test Method for JIC, A Measure of Fracture Toughness
ASTM A511-04	Standard Specifications fro Stainless Steel Mechanical Tubing
ASTM E606-92	Standard Practice for Strain-Controlled Fatigue Testing
ASTM A751-95	Standard Specification for Test Methods, Practices and Terminology of Chemical Analysis of Steel Product
ASTM A480/A480M-09B	Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip
EN 10021:1993	General technical delivery requirements for steel and steel products
EN 10204:2004	Metallic products. Type of inspection documents
NF EN 10246-2:2000	Non destructive testing of steel tubes Part-2: Automatic eddy current testing of seamless and welded (except submerged arc-welded) austenitic-ferritic steel tubes for verification of hydraulic leak-tightness
G10	not given
G11	not given
NF A 49-872	Steel tubes - Non destructive method - Automatic eddy current testing using encircling coils for imperfections and leak tightness

Magnet	
ASTM D2344	Standard Test Method for Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates
ASTM A262	Standard Practices for Detecting Susceptibility to Inter-granular Attack in Austenitic Stainless Steel
DIN 53455	not given
ISO 15614-1:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
ISO 527-1:1993	Plastics - Determination of tensile properties - Part 1: General principles
not given	Appendix 7 Clean room, reserve area and air conditions
not given	APPENDIX 8 Cleaning of metallic surfaces
PREN 4050-4:1996	Aerospace series - Test method for metallic materials; ultrasonic inspection of bars, plates, forging stock and forgings - Part 4: Acceptance criteria’
ISO 17123	Field Procedure for determining accuracy of Surveying Instruments
JIS Z 2283:1998	Method of Low Cycle Fatigue Testing for Metallic Materials in Liquid Helium
JIS Z 3119:2006	Methods of measurement for ferrite content in austenitic and austenitic-ferritic stainless steel deposited metals
ITER Document	Mandatory Appendix APB1_05 Dimensional Inspection
ITER Document	DDD11-1: System Requirements Expansion and Design Choices
ISO3452-5:2008	Non-destructive testing - Penetrant testing - Part 5: Penetrant testing at temperatures higher than 50 degrees C
ISO17640:2005	Non-destructive testing of welds - Ultrasonic testing of welded joints
ISO17636:2003	Non-destructive testing of welds - Radiographic testing of fusion-welded joints

Magnet	
ASTM A342/A342M-04	Test Method for Permeability of feebly magnetic Materials
ASTM E45-05e3	Standard Test Methods for Determining the Inclusion Content of Steel
ASTM A700-05	Standard Practices for Packaging, making, and Loading Methods for Steel Products for Domestic Shipment
ASTM A745/A745M-94(2009)	Standard Practice for ultrasonic Examination of austenitic Steel Forgings
ASTM E1820-09e	Standard Test Method for Measurement of Fracture Toughness
ASTM E1450-09	Standard Test Method for Tension Testing of Structural Alloys in Liquid helium
ASTM A751-08	Standard Specification for Test Methods, Practices and Terminology of Chemical Analysis of Steel Product
ASTM E1820-09e1	Standard Test Method for Measurement of Fracture Toughness
ASTM A484/A484M-10	Standard Specification for General Requirements for Stainless Steel Bars, Billets, and Forgings
ASME BPVC Sec. V - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section V - Non-destructive examination
ASTM E606-04e1	Standard Practice for Strain-Controlled Fatigue Testing
ASTM A370-10	Standard Test Methods and Definitions for Mechanical Testing of Steel Products
ASTM E739-91(2004)e1	Standard Practice for Statistical Analysis of Linear or Linearized Stress-Life (S-N) and Strain-Life (e-N) Fatigue Data
ASTM D2344-00	Standard Test Method for Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates
ASME BPVC Sec. III Div. 1 - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components, Division 1
ITER Document	ITER Vacuum Handbook

Magnet	
ASTM E112-96(2004)e2	Standard Test Methods for Determining Average Grain Size
ASTM E8/E8M-09	Standard Test Methods for Tension Testing of Metallic Materials [Metric]
ASTM A262-10	Standard Practices for Detecting Susceptibility to Inter-granular Attack in Austenitic Stainless Steel
ASTM A480/A480M-10	Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip
ASTM D578-05	Standard Specification for Glass Fiber Strands
ASTM D3479/D3479M-96	Standard Test Method for Tension-Tension Fatigue of Polymer Matrix Composite Materials
ASTM A479/A479M-10a	Standard Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels
ASTM D638	Standard Test Method for Tensile Properties of Plastics
ASTM D3755	Standard test method for dielectric breakdown voltage and dielectric strength of solid electrical insulating materials under direct voltage
EN 10216-5:2004	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 10246-2:2000	Non-destructive testing of steel tubes - Part 2: Automatic eddy current testing of seamless and welded (except submerged arc-welded) austenitic and ferritic-austenitic steel tubes for verification of hydraulic leak tightness
EN 10246-3:2000	Non-destructive testing of steel tubes. Automatic eddy current testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of imperfections
EN 10021:2006	General technical delivery requirements for steel and steel products
not given	APPENDIX 10 Leak test
Standard equivalent to ASTM B2	not given

Magnet	
IEC 61788-13	Superconductivity - Part 13: AC loss measurements - Magnetometer methods for hysteresis loss in superconducting multifilamentary composites
IEC 61788-8	Superconductivity - Part 8: AC loss measurements - Total AC loss measurement of round superconducting wires exposed to a transverse alternating magnetic field at liquid helium temperature by a pickup coil method
IEC 61788-12	Superconductivity - Part 12: Matrix to superconductor volume ratio measurement - Copper to non-copper volume ratio of Nb3Sn composite superconducting wires
IEC 61788-11	Superconductivity - Part 11: Residual resistance ratio measurement - Residual resistance ratio of Nb3Sn composite superconductors
JIS Z 3119	Methods of measurement for ferrite content in austenitic and austenitic-ferritic stainless steel deposited metals
ASME BPVC Sec. IX	ASME Boiler and Pressure Vessel Code (BPVC) - Section IX - Qualification Standard for Welding, Brazing, and Fusing
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASTM E45	Standard Test Methods for Determining the Inclusion Content of Steel
ASTM B2	Standard Specification for Medium-Hard-Drawn Copper Wire
EN 10233	Flattening test
DIN EN 13185	Non-destructive testing - Leak testing - Tracer gas method
IEC 61788-1	Superconductivity - Part 1: Critical current measurement - DC critical current of Nb-Ti composite superconductors
JIS Z 2277	Tensile Testing Method for Metallic Materials in Liquid Helium,
ASTM 380-06	Cleanliness of stainless steel parts
ASTM E112	Standard Test Methods for Determining Average Grain Size

Magnet	
Standard equivalent to ASTM B-393-95	not given
EN ISO 8492	Metallic materials - Tube - Flattening test
API 579/ASME FFS-1	Fitness-For-Service (FFS)
ASTM A380-06	Standard Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems
ASTM B393-95	Standard Specification For Niobium & Niobium Alloy Strip, Sheet, & Plate
ASTM B355-06	Standard Specification for Nickel-Coated Soft or Annealed Copper Wire
ASTM E165	Standard Practice for Liquid Penetrant Testing for General Industry
Individual Procurement Arrangements	not given
ITER Document	Magnet Structural Design Criteria Part 4: Cryogenic Piping
ITER Document	Magnet Structural Design Criteria Part 3: Bolts, Keys, Supports and Special Components
ITER Document	Magnet Structural Design Criteria Part 1: Main Structural Components and Welds
ITER Document	Magnet Superconducting and Electrical Design Criteria
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	Safety of machinery - List of European Harmonised Standards
ITER Document	Technical Requirements for High Voltage Tests during Tokamak Assembly
ITER Document	Magnet Structural Design Criteria Part 2: Magnet Windings (Radial Plates and Conductors) with High and Low Voltage Insulation and Epoxy Filler
ITER Document	Load Specifications (LS)

Magnet	
ITER Document	Applicable Codes, Standards and Regulations for the Design of the Machine Assembly Tools
ITER Document	ITER Dimensional Metrology Handbook
ITER Document	Pressure Equipment Regulation for Magnet Systems
Directive 97/23/EC	Directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment
Directive 2006/42/EC	Machinery
EN 13480	Metallic industrial piping

3.22 Plasma Control System

Plasma Control System	
NUREG 0711 rev.2:2004	Human factors engineering program review model
NUREG 0700 rev.2:2002	Human system interface design review guidelines
IEC 1513	Important to safety: General requirements for computer based systems
IAEA NS-G-2.2:2000	IAEA Safety Guide - Operational limits and conditions and operating procedures for nuclear power plants
IEC 61131:2003	Programmable controllers - Multi language programming environment
IEC 60617	Graphical symbols for diagrams
IEC 61158	Industrial communication networks - Fieldbus specifications
IEC 61025:2006	Fault tree analysis (FTA)
IEC 60880-2	Software for computers important to safety for nuclear power plants - Part 2: Software aspects of defence against common cause failures, use of software tools and of pre-developed software
IEC 61918	Industrial communication networks - Installation of communication networks in industrial premises
IEC 61734	Graphical symbols for logic diagrams
IEC 62439	Industrial communication networks - High availability automation networks
IEC 987	Programmed digital computers important to safety for nuclear power plants
IEC 61784	Industrial communication networks - Profiles
IEC 61772-1995	Visual display unit (VDU) application to main control room in nuclear plants
ISO/IEC 24702	Information technology - Generic cabling
ISO/IEC 12207	Information technology - Software life cycle processes

Plasma Control System	
ISO/IES 90003	Quality standard
ISO/IEC 15288	System engineering - System Life cycle process
ISO 9001	Quality management systems - Requirements
EN 50136	Alarm systems and alarm equipments

3.23 Port Plug Test Facility

Port Plug Test Facility	
ITER Document	ITER Vacuum Handbook
ITER Document	Plant Control Design Handbook
ITER Document	ITER Remote Handling Code of Practice
ITER Document	EDH Part 3: Codes & Standards
ITER Document	Codes and Standards for ITER Mechanical Components
NF C 15-100	Low-voltage electrical installations
ITER Document	SRD-58 (Port Plug Test Facility) from DOORS
Directive 2001/45/EC	Minimum safety and health requirements for the use of work equipment by workers at work
Directive 1989/655/EEC	Minimum safety and health requirements for the use of work equipment by workers at work
Directive 1992/57/EEC	Temporary or mobile construction sites
European Norms	not given
ITER Document	EDH Part 1: Introduction
ITER Document	EDH Part 5: Earthing and Lightning Protection
ITER Document	Tritium Handbook
ITER Document	Electrical Design Handbook (EDH)
ITER Document	EDH Part 2: Terminology & Acronyms
ITER Document	Material Properties Handbook (MPH)
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)
Arrêté ESPN:2005	Arrêté du 12 décembre 2005 relatif aux équipements sous pression nucléaires
ASME	ASME Codes and Standards

Port Plug Test Facility	
Directive 2006/95/EC	Harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits
Directive 2014/68/EU	Directive 2014/68/UE du parlement européen et du Conseil du 15 mai 2014 relative à l'harmonisation des législations des Etats membres concernant la mise à disposition sur le marché des équipements sous pression
Décret 2015-799	Décret n° 2015-799 du 1er juillet 2015 relatif aux produits et équipements à risques
Directive 2006/42/EC	Machinery
Directive 2004/108/EC	Electromagnetic Compatibility (EMC)

3.24 Rad Protection

Rad Protection	
not given	Regulatory Guide 1.61, “Damping Values for Seismic Design of Nuclear Power Plants,”
Eurocode 8 (EC8) (EN 1998)	Design of structures for earthquake resistance
IEC 61226	Nuclear Power Plants - Instrumentation and Control Systems Important to Safety - Classification of Instrumentation and Control Functions
IEC 60529	Degrees of protection provided by enclosures (IP code)
ISO 2889	Sampling Airborne Radioactive Materials from the Stacks and Ducts of Nuclear Facilities
IEC 61559	Radiation protection instrumentation in nuclear facilities - Centralized systems for continuous monitoring of radiation and/or levels of radioactivity
IEC 61504	Nuclear Power plants - Instrumentation and control systems important to safety - Plant-wide radiation monitoring
IEC 61513	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	Plant Control Design Handbook
ITER Document	Electrical Design Handbook (EDH)
ASME B31.3	Process Piping
ITER Document	ITER Seismic Nuclear Safety Approach
Corresponding EN standard- Piping components	Corresponding EN standard- Piping components
NF M 822-1	ITER_D_YPY9SV v3.2 - Annex_B_PA_6_4_P1_EU_01_Amendement_01-rev wjm.14.05.2019revGPA-10.05.19..._

Rad Protection	
NF M 60 822-1	Nuclear energy - Radioactivity measurement in gaseous effluents - Determination of tritium and C14 activity in gaseous effluents and gas discharge - Part 1: sampling of tritium and C14 in gaseous effluents
NFC 15-100	Installations électriques à basse tension
IAEA RS-G-1.8	IAEA Safety Standards for protecting people and the environment: Environmental and Source Monitoring for Purposes of Radiation Protection (Safety Guide), No. Rs-G-1.8, Vienna, 2005
IAEA RS-G-1.1	IAEA Safety Standards Series: Occupational Radiation Protection (Safety Guide), No. RS-G-1.1, Vienna, 1999
IEC 61000	Electromagnetic compatibility (EMC)
IEC 60761-3	International Standard: Radiation protection instrumentation-Equipment for continuous monitoring for radioactivity in gaseous effluents -Part 3: Specific requirements for noble gas effluent monitors
IEC 61000-4-3:2006	Electromagnetic compatibility (EMC) - Part 4-3: testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test
IEC 61000-4-2:2008	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
IEC 61098	International Standard: Radiation protection instrumentation- Installed personnel surface contamination monitoring assemblies
IEC 61000-4-6:2008	Electromagnetic compatibility (EMC) - Part 4-6: testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
IEC 61000-4-12:2006	Electromagnetic Compatibility (EMC) - Part 4-12: Testing and measurement techniques - Ring wave immunity test
IEC 61000-4-11:2004	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests
IEC 61031	Design, location, and application criteria for installed area gamma dose rate monitoring equipment for use in nuclear power plants during normal operation and anticipated operational occurences

Rad Protection	
IEC 61000-4-4:2004	Electromagnetic compatibility (EMC) - Part 4-4: testing and measurement techniques - Electrical fast transient/burst immunity test
IEC 60761-2	International Standard: Radiation protection instrumentation-Equipment for continuous monitoring for radioactivity in gaseous effluents -Part 2: Specific requirements for aerosol effluent monitors
IEC 60880	Nuclear power plants - Instrumentation and control systems important to safety - Software aspects for computer-based systems performing category A functions
IEC 61000-4-5:2005	Electromagnetic compatibility (EMC) - Part 4-5: testing and measurement techniques - Surge immunity test
IEC 60325	International Standard: Radiation protection instrumentation-Alpha, beta and alpha/beta contamination meters and monitors
IEC 60780	Nuclear power plants - Electrical equipment of the safety system - Qualification
IEC 61172	International Standard: Radiation protection instrumentation-Monitoring equipment: Radioactive aerosol in the environment
IEC 61005:2003	Radiation Protection instrumentation- Neutron ambient dose equivalent rate-meters
IEC 60532	International Standard: Radiation protection instrumentation-Installed dose rate-meters , warning assemblies and monitors X-gamma radiation of energy between 50 KeV and 7 MeV
IEC 61000-6-4:2006	Electromagnetic compatibility (EMC) - Part 6-4: generic standards - Emission standard for industrial environments
IEC 60761-5	International Standard: Radiation protection instrumentation-Equipment for continuous monitoring for radioactivity in gaseous effluents -Part 5: Specific requirements for tritium effluent monitors
IEC 60846	International Standard: Radiation protection instrumentation-Ambient and /or directional dose equivalent (rate) meters and/or monitors for beta, X and gamma radiation
IEC 60761-1	International Standard: Radiation protection instrumentation-Equipment for continuous monitoring for radioactivity in gaseous effluents - Part 1: General requirements

Rad Protection	
IEC 60980	Recommended practices for seismic qualification of electrical equipment of the safety system for nuclear generating stations
IEC 60987	Programmed digital computers important to safety for nuclear power stations
IEC 62706	Radiation Protection Instrumentation: Environmental, Electromagnetic and mechanical performance requirements
IEC 61584	Radiation protection instrumentation, installed, portable or transportable assemblies. Measurement of air kerma direction and air kerma rate
ISO 11665	Measurement of radioactivity in the environment - Air: radon-222
IEC TR 61000-5-1:1996	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines - Section 1 - General considerations
IEC 61577	Radiation protection instrumentation - Radon and radon decay product measuring instruments - Part 2: Specific requirements for 222-Rn and 220-Rn measuring instruments
IEC 61526	Radiation protection instrumentation - Measurement of personal dose equivalents Hp(10) and Hp (0,07) for X, gamma, neutron and beta radiations - Direct reading personal dose equivalent meters and monitors
IEC 61322	International Standard: Radiation protection instrumentation-Installed dose equivalent rate meters, warning assemblies and monitors for neutron radiation of energy from thermal to 15 MeV
IEC 62484	Spectroscopy based portal monitors used for the detection and identification of illicit trafficking of radioactive material
IEC 62387-1	Radiation protection instrumentation - Passive integrating dosimetry systems for environmental and personal monitoring; Part 1: General characteristics and performance requirements
IEC EMC EDH	IEC norms for EMC (see Electrical Design Handbooks Parts 1-5) (ITER_D_2F7HD2 v1.4)
IEC 62302	Radiation protection instrumentation-Equipment for noble gas monitoring
IRSN DEI/STEME 2011-02	Guidance for good practices for laboratories measurements in case of post accidental situations

Rad Protection	
IEC 62138	Nuclear power plants. Instrumentation and control for systems important to safety - Software aspects for computer-based systems performing category B and C functions
IEC 61582	Radiation protection instrumentation - In vivo counters - Classification, general requirements and test procedures for portable, transportable and installed equipment
IEC 61304	Nuclear instrumentation -Liquid-scintillation counting systems - Performance verification
IEC 62303	Radiation protection instrumentation-Equipment for monitoring airborne tritium
ITER Document	Plant system I&C Integration plan
ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories
ITER Document	Working Instruction for the Qualification of ITER safety codes
ITER Document	Signal and plant system I&C Variable Naming Convention
ITER Document	IO Cabling rules
ITER Document	PLC Software Engineering Handbook
NF C 15-100	Low-voltage electrical installations
ITER Document	HIMI Style Guide and Toolkit
ITER Document	Location of electrical safety trains in ITER
ISO NF 2889	Sampling Airborne Radioactive Materials from the Stacks and Ducts of Nuclear Facilities
ISO NF 20553	Monitoring of workers occupationally exposed to a risk of internal contamination with radioactive material
ITER Document	IO cabling catalogue
CEI 61017	Portable, transportable or installed X or gamma radiation rate meters for environmental monitoring - Part 1: rate-meters

Rad Protection	
NF ISO 7503-1	Evaluation of surface contamination: Tritium Beta emitters surface contamination
NF EN ISO 5667	Water quality - Sampling - Part 1: guidance on the design of sampling programmes and sampling
NF EN ISO 9698 (NF M60-817)	Water quality - Tritium - Test method using liquid scintillation counting
NF ISO 7503-2	Evaluation of surface contamination: Tritium surface contamination
NF M 60-760	Measurement of radioactivity in environment - Sampling of aerosols for measurement of radioactivity in the environment
NF M 60-822-1	Measurement of radioactivity in the gaseous effluents- Determination of Tritium and Carbon 14 activity in the gaseous effluents Tritium and Carbon 14 sampling inside the gaseous effluents
NF M60-312	Measurement of Environmental Radioactivity in Air: Determination by liquid scintillation of Activity Concentration of Atmospheric Tritium sampled by the Sparging Technique

3.25 Radwaste Treatment and Storage

Radwaste Treatment and Storage	
US NRC RG 8.8	Information relevant to ensuring that occupational radiation exposures at nuclear power stations will be as low as reasonably achievable
US NRC RG 1.143	Design guidance for radioactive waste management systems, structures and components installed in light water cooled nuclear power plants
HI	Hydraulic Institute Standards
general guidelines	not given
IEC 61000-4-6	Electromagnetic compatibility (EMC) - Part 4-6: testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
IEC 61000-4-3	Electromagnetic compatibility (EMC) - Part 4-3: testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test
IEEE C37.90.2	Withstand capability of relay system to radiated electromagnetic interference from transcievers
IEEE 74	Test code for industrial control
ISA-S67.10	Sample line piping and tubing standard for use in nuclear power plants
IEEE 112	IEEE Standard Test Procedure for Polyphase Induction Motors and Generators
NEMA ICSI-109.5	Dielectric tests
MSS SP-55	Visual inspection of steel castings
NEMA ICS2	Industrial control and system controllers, contactors, and overload relays related not more than 2000 volts A.C or 750 Volts D.C
MSS SP-25	Marking systems for valves, fittings, flanges and unions
NEMA MG-1	Motors and Generators
NEMA PB-1	Panel boards

Radwaste Treatment and Storage	
NEMA 250	Enclosures for electrical equipment (1000 volts maximum)
ASME BPVC Sec. VIII	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels
ANSI/AWS D1.3	Structural Welding Code - Sheet Steel
ASME B73.1M	Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process
ANSI/AWS D1.1	Structural Welding Code - Steel
ASME NQA-1	Quality Assurance Requirements for Nuclear Facility Applications
ASME B16.5	Pipe Flanges & Flanged Fittings
ANSI/ANS 55.6	Liquid radioactive waste processing system for light water cooled reactor plants
ASME PTC	ASME Performance Test Codes
ASTM	not given
API 620	Design and Construction of Large, Welded, Low-Pressure Storage Tanks
API 650	Welded steel tanks for oil storage tanks
ANSI/ANS 55.1	Solid radioactive waste processing system for light water cooled reactor plants
ASME BPVC Sec. IX	ASME Boiler and Pressure Vessel Code (BPVC) - Section IX - Qualification Standard for Welding, Brazing, and Fusing
ASME BPVC Sec. II	ASME Boiler and Pressure Vessel Code (BPVC) - Section II - Materials
ASME B73.2M	Specification for Vertical In-Line Centrifugal Pumps for Chemical Process
ASME B16.34	Valves - Flanged, Threaded and Welding End
ASME B31.3	Process Piping

3.26 Reinforced Concrete Buildings

Reinforced Concrete Buildings	
ITER Document	Plant Control Design Handbook
ITER Document	Load Specifications (LS)
ITER Document	Electrical Design Handbook (EDH)
CAD Handbook	CAD Handbook
XP P05-011:2005	Floors coverings - Classification of locations according to their slip resistance
P 18-576:2013	Granulats - Détermination du coefficient de friabilité du sable
P 24-802:2001	DTU 35.1 - Travaux de bâtiment - Cloisons amovibles et démontables - Partie 1: cahier des clauses techniques - Partie 2: cahier des clauses spéciales (référence commerciale des parties 1 et 2 du DTU 35.1)
XP ENV 13670-1:2002	Construction of concrete structures - Part 1: common and national application document
P 15-433:1994	Méthodes d'essais des ciments - Détermination du retrait et du gonflement
XP P34-301:2002	Steel sheet and strip either coil coated or organic film counterglued or colaminated for building purposes
P 34-310:1994	Tôles et bandes en acier de constructions galvanisées à chaud en continu destinées au bâtiment - Classification et essais
P 18-591	Propreté superficielle des gravillons
P 18-503:1989	Concrete surfaces and facing - Identification elements
P 18-560:1982	Granulats - Fidélité des méthodes d'essais
PR NF DTU 60.11 P3:2011	Building works - Calculation rules for sanitary installations and rainwater draining off - Part 3: Rain water draining
P 18-427:1996	Béton - Détermination des variations dimensionnelles entre deux faces opposées d'éprouvettes de béton durci

Reinforced Concrete Buildings	
PR NF DTU 60.11 P1-2:2011	Building works - Calculation rules for sanitary installations and rainwater draining off - Part 1-2: Design and calculation for looped networks
XP P05-010:2004	Floor coverings - Determination of slip resistance using the ramp test
PR NF DTU 60.11 P1-1:2011	Building works - Calculation rules for sanitary installations and rainwater draining off - Part 1-1: cold and warm sanitary networks
P 93-350:1995	Équipement de chantier - Banches industrialisées pour ouvrages en béton
UTE C15-600 2002	Earthing
P 18-542:2004	Granulats - Critères de qualification des granulats naturels pour béton hydraulique vis-à-vis de l'alcali-réaction
P 85-522:1990	Produits pour joints - Mastics - Essai d'adhésivité-cohésion par cisaillement jusqu'à rupture
PR NF DTU 60.11 P2:2011	Building works - Calculation rules for sanitary installations and rainwater draining off - Part 2: Waste and black water draining
EN ISO 8501-1:2007	Preparation of steel substrates before application of paints and related products - Visual assessment of surface cleanliness - Part 1: rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal previous c
EN ISO 8503	Préparation des subjectiles d’acier avant application de peintures et de produits assimilés - caractéristiques de rugosité des subjectiles d’acier décapés
EN ISO 9001	Quality Management Systems - requirements
GS12	CPT, Revêtements de sol et produits connexes
Eurocode 3 (EC3) (EN 1993)	Eurocode 3 - Design of steel structures
EN ISO 7389:2004	Construction immobilière - Produits pour joints - Détermination de la reprise élastique des mastics

Reinforced Concrete Buildings	
EN ISO 140	Acoustics. Measurement of sound insulation in buildings and of building elements
EN ISO 8504	Preparation of steel substrates before application of paints and related products
FD A 35-029	Steel for concrete reinforcement. Welded connections. Approval of a welding procedure. Approval of welders. (Only French version: Fascicule de Documentation AFNOR - « Armatures pour béton armé - Assemblages soudés - Qualification d'un mode opératoire de s
EN ISO 14713	Revêtements de zinc - Lignes directrices et recommandations pour la protection contre la corrosion du fer et de l'acier dans les constructions
EN ISO 14555	Hot-rolled products of structural steels
EN ISO 14001	Environmental management
FD P18-456	Concrete - Reactivity of a concrete mix with regard to the alkali-reaction - Criteria for interpretation of performance test
FD P 18-542	Aggregates - Classification criteria governing natural aggregates for hydraulic concrete with respect to the alkali-reaction
EN ISO 15609	Specification and qualification of welding procedures for metallic materials - Welding procedure specification
EN ISO 2063:2005	Thermal spraying. Metallic and other inorganic coatings. Zinc, aluminium and their alloys
EN ISO 12944-5	Part 5: Protective paint systems
EN ISO 12944-6	Part 6: Laboratory performance test methods and associated assessment criteria
EN ISO 12944-4	Part 4: Types of surface and surface preparation
EN ISO 12944-3	Part 3: Design considerations
EN ISO 2808:2007	Peintures et vernis - Détermination de l'épaisseur du feuil

Reinforced Concrete Buildings	
EN ISO 12944-2	Part 2: Classification of environments
EN ISO 12944-1	Part 1: General introduction
EN ISO 4042:1999	Éléments de fixation - Revêtements électrolytiques
EN ISO 10684:2004	Éléments de fixation - Revêtements de galvanisation à chaud
EN ISO 717-1:2005	Acoustics. Rating of sound insulation in buildings and of building elements
IAEA GS-R-3(2006)	IAEA Safety Requirements GS-R-3 ”The Management System for Facilities and Activities”. Order dated 15 January 2008 Order dated 15 January 2008 on lightning protection for some classified facilities
EN ISO 12944-8	Part 8: Development of specifications for new work and maintenance
EN ISO 12944-7	Part 7: Execution and supervision of paint work
EN ISO 5817	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
EN ISO 13849-1:2008	Safety of machinery - Safety-related parts of control systems. Part 1: General principles for design
IEC 60980	Recommended practices for seismic qualification of electrical equipment of the safety system for nuclear generating stations
IEC 60947	Low-voltage switchgear and controlgear
IEC 60780	Nuclear power plants - Electrical equipment of the safety system - Qualification
IEC 60364-5-54	Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - hearthing arrangements and protective conductors
IEC 60754	Test on gases evolved during combustion of materials from cables
IEC 61000	Electromagnetic compatibility (EMC)

Reinforced Concrete Buildings	
IEC 62305-2:2006/C 17-100-2	Protection against lightning - part 2: Risk evaluation
ISO 1920-10:2010	Testing of concrete - Part 10
IEC 62305-4:2006/C 17-100-4	Protection against lightning - part 4: Electrical and electronic systems within structures
IEC 62305-3:2006/C 17-100-3	Protection against lightning - part 3: Physical damage to structures and life hazard
IEC 62305-1:2006/(C 17-100-1)	Protection against lightning - Part 1: General principles
ISO 14654:1999	Epoxy-coated steel for the reinforcement of concrete
IEC 61513	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems
ISO 15835-1:2009	Aciers pour l'armature du béton - Coupleurs d'armature destinés aux raboutages mécaniques de barres - Partie 1: exigences
ISO 17635	Non-destructive Testing of Welds - General Rules for Fusion Welds in Metallic Materials
IEC 61643	Low-voltage surge protection device
NF B 54-100:1985	Particle boards. Definitions. Classification. Designation
MIL-STD 1629-B	EU-DA, Annex B.20
LSA MIL-STD 1388-2B	DOD requirements for a logistic support analysis record (canceled and s/s by MIL-PRF-49506, Logistics Management Information)
LSA MIL-STD 1388-1A	Logistics support analysis (LSA) (canceled and s/s by MIL-HDBK-502, Acquisition Logistics)
NF B 57-056:1977	Cork. compound agglomerated corf for insulation underlays for parquets intended to be glued. Tests
NF B 54-160:1970	Veneer plywood for general use. Dimensions and tolerances

Reinforced Concrete Buildings	
NF B 51-002:1942	Timbers. Physical and mechanical characteristics of timber
NF C 15-100:2002	Low-Voltage electrical installations
NF B 54-008:2007	Glued parquets - Behaviour in climatic atmospheres of different humidity - Test methods and specifications
ISO 9224	Corrosion of metals and alloys - Corrosivity of atmospheres - Guiding values for the corrosivity categories
NF B 51-120:1987	Wood based panels. General testing requirements
NF A 35-020-1:2011	Steel products - End coupling and anchoring steel devices for high-adherence steel for concrete reinforcement - Part 1: requirements for mechanical performances. Only French version
NF B 57-055:1977	Cork. compound agglomerated cork for insulation underlays for parquets intended to be glued.characteristics
NF A 35-080-1:2010	Reinforcing steels - Weldable ribbed steel - Part 1: bars and coils. Only French version
NF B 10-101:2008	Natural stones - vocabulary
NF B 10-504:1973	Quarry products. Limestones. Measurement of the coefficient of water absorption
NF B 10-601:2006	Quarry products - Natural stones - General prescriptions for use of natural stones
NF A 35-015:2009	Reinforcing steels - Weldable smooth steel - Bars and coils. Only French version
NF 1317	Roadside Safety Barriers
NF A 35-020-2:2011	Steel products - End coupling and anchoring devices for high-adherence steel for concrete reinforcement - Part 2: test methods. Only French version
NF A 57-711:2006	Foundry products - Aluminium, aluminium-, magnesium- and zinc - Alloys pressure die castings - Supplying

Reinforced Concrete Buildings	
NF A 35-080-2:2010	Reinforcing steels - Weldable ribbed steel - Part 2: welded fabric. Only French version
NF A 35-024:2007	Steel for concrete reinforcement - Surface welded fabric composed of wires with a diameter less than 5 mm
NF 070	Boulonnerie de construction métallique
ISO 9223	Corrosion of metals and alloys - Corrosivity of atmospheres - Classification, determination and estimation
NF A 35-035:2001	Steel products - Hot-dip zinc or zinc-aluminium coated prestressing smooth wires and 7-wire strands
NF A 35-029:1999	Steel for concrete reinforcement. Welded connections. Approval of a welding procedure. Approval of welders
NF A 35-027:2009	Steel products for reinforced concrete- Reinforcements. Only French version
NF B 50-005:1985	Timber. Parquets, panelling and raw parquets blocks. Vocabulary
ISO 8690:1989	Décontamination des surfaces contaminées par radioactivité - Méthode d'essai et de détermination de l'aptitude à la décontamination
ASME BPVC Sec. V - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section V - Non-destructive examination
ANSI/ASME NQA-1	Quality Assurance Requirements for Nuclear Facility Applications
AFNOR X 60 000:2002	Maintenance industrielle - Fonction maintenance
ANSI/ASME NQA-2	Quality Assurance Requirements for Nuclear Facility Applications
ASTM A380-06	Standard Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems
AFNOR X 50 420:1994	Management des systèmes - Soutien logistique intégré - Concepts généraux

Reinforced Concrete Buildings	
ASME BPVC Sec. III Div. 2 - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components, Division 2
ASME NQA-1a:2009	Quality Assurance Requirements for Nuclear Facility Applications
ASD S 3000 L	Specification for Logistics Support Analysis procedure
ASD S 2000 M	Initial and Recurrent Provisioning
ASME NQA-1b:2011	Quality Assurance Requirements for Nuclear Facility Applications
ASD S 1000 D	Electronic Technical Publications
ASME NQA-1:2008	Quality Assurance Requirements for Nuclear Facility Applications
EN 13030:2002	Ventilation for buildings - Terminals - Performance testing of louvres subjected to simulated rain
EN 10034	Steel profiles
EN 1461:2009	Revêtements par galvanisation à chaud sur produits finis en fonte et en acier - Spécifications et méthodes d'essai
EN 14399	Boulonnerie de construction métallique à haute résistance apte à la précontrainte
EN 1523:1999	Windows, doors, shutters and blinds. Bullet resistance
CPT 3600:2007	Siphonic rainwater installation
EN 1522:2007	Windows, doors, shutters and blinds. Bullet resistance
EN 1.4404:2010	Équipements de protection individuelle - Protection des genoux pour le travail à genoux
EN 898-1:2009	Caractéristiques mécaniques des éléments de fixation en acier au carbone et en acier allié - Partie 1: vis, goujons et tiges filetées de classes de qualité specifies - filetage à pas gros et filetage à pas fin

Reinforced Concrete Buildings	
DIN 8074	Polyethylene (PE) pipes - PE 63, PE 80, PE 100, PE-HD - Dimensions
DTU 32.2 May-93	Building works - Private contracts - Metal construction - Aluminium alloys framework - Part 2: Special clauses
DTU 34.2 Oct-11	Building works - Choice for shutters fitled to windows depending on their exposure to wind
EN 1008:2003	Eau de gâchage pour bétons - Spécifications d'échantillonnage, d'essais et d'évaluation de l'aptitude à l'emploi, y compris les eaux des processus de l'industrie du béton, telle que l'eau de gâchage pour béton
EN 10142-A1 DX51D+Z:1997	Continously hot-dip zinc coated low carbon steel strip and sheet for cold forming. technical delivery conditions
DEF STAN 000-60 Jan-1999	Integrated Logistic Support
DW 25528 62 19 ENG F 1 01	EU-DA, Annex B.20
DTU P 22.701	Règles françaises CM 66 et additif 80 - règles de calcul des constructions en acier
EN 1363:2000	Fire resistance tests
EN 10002-1	Metallic materials - Tensile testing - Part 1: Method of test at ambient temperature
EN 14487	Béton projeté
DTU 65.10 May-93	Building works - Piping used for cold and hot pressure water and piping for evacuation waste water and rain water inside buildings
DTU 37/1 Mar-84	Menuiserie métallique
DTU 59.1 Oct-94	Painting - building painting works
DTU 60.11 Oct-88	Building works - Calculation rules for sanitary installations and rainwater draining off

Reinforced Concrete Buildings	
DTU 34.1 Jun-94	Travaux de bâtiment - Ouvrages de fermeture pour baies libres - Partie 1: cahier des clauses techniques - Partie 2: cahier des clauses spéciales (reference commerciale des parties 1 et 2 du DTU 34.1)
EN 13813:2003	Screed materials and floor screeds - Screed material, Properties and requirements
EN 1158:2003	Building hardware - Door coordinator devices
EN 573	Aluminium et alliages d'aluminium - composition chimique et forme des produits corroyés
BS EN ISO 15614-1:2004/AMD1:2008	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
EN 13892	Méthodes d'essai des matériaux pour chapes
EN 12426:2000	Industrial, commercial and garage doors and gates
EN 12101-1:2005	Mechanical louvred ventilator testing
EN 13318:2000	Screed material and floor screeds - Definitions
EN 1627:2011	Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification
EN 12453:2001	Industrial, commercial and garage doors and gates - Safety in use of power operated doors - Requirements
EN 60332-3:2010	Essais des câbles électriques et des câbles à fibres optiques soumis au feu - Partie 3-10: essai de propagation verticale de la flamme des fils ou cables montés en nappes en position verticale - Appareillage
EN 13381-4	Méthodes d'essai pour déterminer la contribution à la résistance au feu des éléments de construction
EN 13329:2008	Revêtements de sol stratifiés - Éléments dont la surface est à base de resins aminoplastes thermodurcissables - Spécifications, exigences et methods d'essai

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EN 13306:2010	Maintenance - Terminologie de la maintenance
EN 1610:1998	Construction and testing of drains and sewers
EN 13670:2009	Execution of concrete structures
EN 12101-2:2003	Natural louvred ventilator testing
EN 573:2009	Corrosion resistant aluminium
EN 13893:2003	Resilient, laminate and textile floor coverings - Measurement of dynamic coefficient of friction on dry floor surfaces
DIN 8075	Polyethylene (PE) pipes - PE 80, PE 100 - General quality requirements, testing
BS 6496	EU-DA, Annex B.20
BS 8290-2	EU-DA, Annex B.20
EN 12453	Industrial, commercial and garage doors and gates - Safety in use of power operated doors - Requirements
EN 1125:2008	Building hardware - Panic exit devices operated by a horizontal bar - Requirements and test
EN 1634-3:2005	Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware
EN 1634:2012	Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware
EN 10326:1992	Vibrations mécaniques. Méthode en laboratoire pour l'évaluation des vibrations du siège de véhicule. Partie 1: exigences de base
EN 1154:2003	Building hardware - Controlled door closing devices
NF EN 12152:2002	Air tightness
NF EN 13377:2003	Prefabricated timber formwork beams - Requirements, classification and assessment

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NF EN 13055-1:2002	Lightweight aggregates - Part 1: lightweight aggregates for concrete, mortar, and grout
NF EN 13374:2004	Temporary edge protection systems - Product specification, test methods
NF EN 13155+A2:2009	Cranes - Safety - Non-fixed load lifting attachments
NF EN 1993-1-1	Eurocode 3 - Design of steel structures - Part 1-1: general rules and rules for buildings
NF EN 12810-2:2004	Façade scaffolds made of prefabricated components - Part 2
NF EN 12811:2004	All Parts Temporary works equipment: Scaffolds
NF EN 1993-1-11	Eurocode 3 - Design of steel structures - Part 1-11: design of structures with tension components
NF EN 13126:2001	Building hardware - Requirements and test methods for windows and doors height windows
NF EN 1298:1996	Mobile access and working towers - Rules and guidelines for the preparation of an instruction manual
NF EN 12825:2002	Raised access floors
NF EN 1993-1-7	Eurocode 3 - Design of steel structures - Part 1-7: plated structures subject to out of plane loading
NF EN 12813:2004	Temporary works equipment - Load bearing towers of prefabricated components - Particular methods of structural design
NF EN 1993-1-5	Eurocode 3 - Design of steel structures - Part 1-5: plated structural elements
NF EN 1993-1-9	Eurocode 3 - design of steel structures - Part 1-9: fatigue
NF EN 1993-1-4	Eurocode 3 - design of steel structures - Part 1-4: general rules - Supplementary rules for stainless steels
NF EN 1993-1-3	Eurocode 3 - Design of steel structures - Part 1-3: general rules - Supplementary rules for cold-formed members and sheeting

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NF EN 12154:2000	Water tightness
NF EN 13329:2008	Laminate floor coverings - Elements with a surface layer based on aminoplastic thermosetting resins - Specifications, requirements and test methods
NF EN 13364:2002	Natural stone test methods - Determination of the breaking load at a dowel hole
NF EN 13331-1:2002	Trench lining systems - Part 1
NF EN 1993-1-2	Eurocode 3 - Design of steel structures - Part 1-2: general rules - Structural fire design
NF EN 1993-1-12	Eurocode 3 - Design of steel structures - Part 1-12: additional rules for the extension of EN 1993 up to steel grades S 700
NF EN 13015+A:2012	Maintenance for lifts and escalators - Rules for maintenance instructions
NF EN 1993-1-6	Eurocode 3 - Design of steel structures - Part 1-6: strength and stability of shell structures
NF EN 1993-1-10	Eurocode 3 - Design of steel structures - Part 1-10: material toughness and through-thickness properties
NF EN 1993-1-8	Eurocode 3 - design of steel structures - Part 1-8: design of joints
NF EN 13331-2:2002	Trench lining systems - Part 2
NF EN 12812:2008	Falsework - Performance requirements and general design
NF EN 1011-7	Recommendations for welding part 7
NF EN 1088:2008	Sécurité des machines - Dispositifs de verrouillage associés à des protecteurs - Principes de conception et de choix
NF EN 1065:1999	Adjustable telescopic steel props - Product specifications, design and assessment by calculation and tests
NF EN 1062-7:2004	Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 7

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NF EN 1062-6:2004	Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 6
NF EN 1062-3:2004	Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 3
NF EN 1062-11:2004	Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 11
NF EN 1062-1:2004	Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 1
NF EN 1037:2008	Sécurité des machines - Prévention de la mise en marche intempestive
NF EN 1998-2	Eurocode 8 - Design of structures for earthquake resistance - Part 2: bridges
NF EN 1998-3	Eurocode 8 - design of structures for earthquake resistance - Part 3: assessment and retrofitting of buildings
NF EN 13241-1:2011	Industrial, commercial and garage doors and gates - Product standard - Part 1: Products without fire resistance or smoke control characteristics
NF EN 1998-5	Eurocode 8 - Design of structures for earthquake resistance - Part 5: foundations, retaining structures and geotechnical aspects
NF EN 1090-3:2011	Execution of steel structures and aluminium structures part 3
NF EN 1998-6	Eurocode 8 - Design of structures for earthquake resistance - Part 6: towers, masts and chimneys
NF EN 20140:1993	Acoustics. Measurement of sound insulation in buildings and of building elements
NF EN 10152:2009	Electrolytically zinc coated cold rolled steel flat products for cold forming - Technical delivery conditions
NF EN 10346:2009	Metal substrate
NF EN 10263-5:2002	Steel rod, bars and wire for cold heading and cold extrusion - Part 5: technical delivery conditions for stainless steels

Reinforced Concrete Buildings	
NF EN 1026:2000	Windows and doors - Air permeability - Test method
NF EN 10219-1:2006	Profils creux pour la construction formés à froid en aciers de construction non alliés et à grains fins - Partie 1: conditions techniques de livraison
NF EN 206-1+A1+A2	Concrete - Part 1: Specification, performance, production and conformity
NF EN 20898-2:1987	Mechanical properties of fasteners. Part 2: nuts with specified proof load values. Coarse thread
NF EN 10230-1:2000	Steel wire nails - Part 1: loose nails for general applications
NF EN 1998-4	Eurocode 8: design of structures for earthquake resistance - Part 4: silos, tanks and pipelines
NF EN 12207:2005	Windows and doors - Air permeability - Classification
NF EN 12100:1997	Systèmes de canalisations en plastiques - Robinets en polyéthylène (PE) - Méthode d'essai de la résistance à la flexion entre supports
NF EN 12056-1:2010	Gravity drainage systems inside buildings - Part 1: general and performance requirements
NF EN 12020:2008	Aluminium and aluminium alloys - Extruded precision profiles in alloys EN AW-6060 and EN AW-6063
NF EN 13279-1:2008	Gypsum binders and gypsum plasters
NF EN 13263-2+A1:2009	Silica fume for concrete - Part 2 - Conformity evaluation
NF EN 13263-1+A1:2009	Silica fume for concrete - Part 1 - Definitions, specifications and conformity criteria
NF EN 1994\-1-1	Eurocode 4 - Design of composite steel and concrete structures - Part 1-1: general rules and rules for buildings
NF EN 13242:2008	Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction

Reinforced Concrete Buildings	
NF EN 1097-6:2001	Test for mechanical and physical properties of aggregates - Part 6 - Determination of particle density and water absorption
NF EN 1994-1-2	Eurocode 4 - Design of composite steel and concrete structures - Part 1-2: General rules - Structural fire design
NF EN 1090-1:2011	Execution of steel structures and aluminium structures part 1
NF EN 13228:2011	Wood flooring - Solid wood overlay flooring elements including blocks with an interlocking system
NF EN 1090-2:2011	Execution of steel structures and aluminium structures part 2
NF EN 13227:2003	Wood flooring - Solid lamparquet products
NF EN 1097-5:2008	Test for mechanical and physical properties of aggregates - Part 5 - Determination of the water content by drying in a ventilated oven
NF EN 13226:2009	Wood flooring - Solid wood parquet elements with grooves and/or tongues
NF EN 1011-3	Recommendations for welding part 3
NF EN 1097-2:2010	Tests for mechanical and physical properties of aggregates - Part 2: Methods for the determination of resistance to fragmentation
NF EN 1997-1:2005	Eurocode 7 - Geotechnical design - Part 1: General rules
NF EN 1997-2:2007	Eurocode 7 - Geotechnical design - Part 2: Ground investigation and testing
NF EN 1998-1	Eurocode 8 - Design of structures for earthquake resistance - Part 1: general rules, seismic actions and rules for buildings
NF EN 1097-1:2011	Tests for mechanical and physical properties of aggregates - Part 1: Determination of the resistance to wear (micro-Deval)
NF EN 1092-1:2007	Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories PN designated - Part 1: steel flanges
NF EN 13162:2009	Mineral wool insulation

Reinforced Concrete Buildings	
NF EN 1011-2	Welding - Recommendations for welding of metallic materials - Part 2: Arc welding of ferritic steel
NF EN 13964:2004	Suspended ceilings
NF EN 1504-8	Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity - Part 8
NF EN 10025-2	Produits laminés à chaud en aciers de construction - Partie 2: conditions techniques de livraison pour les aciers de construction non alliés
NF EN 13791:2007	Assessment of in-situ compressive strength in structures and precast concrete components
NF EN 13845:2005	Resilient floor coverings - Polyvinyl chloride floor coverings with particle based enhanced slip resistance - Specification
NF EN 10025-1	Hot-rolled products of structural steel
NF EN 13658-2:2005	Metal lath and beads
NF EN 13915:2007	Prefabricated gypsum plasterboard panels with a cellular paperboard core - Definitions, requirements and test methods
NF EN 13658-1:2005	Metal lath and beads
NF EN 14041:2005	Resilient, textile and laminate floor coverings - Essential characteristics
NF EN 140-8:1997	Noise
NF EN 15167-1:2006	Ground granulated blast furnace slag for use in concrete, mortar and grout - Part 1 - Definitions, specifications and conformity criteria
NF EN 10210-1:2006	Hot finished structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions
NF EN 1504-9	Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity - Part 9

Reinforced Concrete Buildings	
NF EN 1744-1:2010	Tests to determine the chemical properties of aggregates - Part 1 - chemical analysis
NF EN 10020:2000	Definition and classification of grades of steel
NF E85-015:2008	Elements of industrial facilities - Permanent means of access - Stairways, stepladders and guardrails
NF EN 10080:2005	Steel for the reinforcement of concrete
NF EN 1611-1:1999	Sawn timber. Appearance grading of softwoods. Part 1: european spruces, firs, pines and Douglas firs
NF EN 1610:1997	Construction and testing of drains and sewers
NF EN 1364-1:2000	Fire resistance tests for non-loadbearing elements - Part 1: Walls
NF EN 1364-2:2000	Fire resistance tests for non-loadbearing elements - Part 2: ceilings
NF EN 13659:2008	Shutters - Performance requirements including safety NF EN 1366-6 Apr-05 Fire resistance tests for service installations - Part 6: raised access and hollow core floors
NF EN 1364-4:2000	Fire resistance tests for non-loadbearing elements - Part 4: curtain walling - Part configuration
NF EN 1504-7	Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity - Part 7
NF EN 1600	Produits consommables pour le soudage. Electrodes enrobées pour le soudage manuel à l'arc des aciers inoxydables austénitiques et résistant aux températures élevées. Classification
NF EN 15609-5	Specification and qualification of welding procedures - Part 5
NF EN 15609-4	Specification and qualification of welding procedures - Part 4
NF EN 15609-1	Specification and qualification of welding procedures - Part 1
NF EN 1542:2005	Bond strength

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NF EN 13647:2003	Wood and parquet flooring and wood panelling and cladding - Determination of geometrical characteristics
NF EN 1364-3:2000	Fire resistance tests for non-loadbearing elements - Part 3: curtain walling - Full configuration (complete assembly)
NF EN 14399-2	High strength structural bolting assemblies for preloading - Part 2
NF EN 15048-1:2007	Non preloaded structural bolting assemblies
NF EN 14399-8	High strength structural bolting assemblies for preloading - Part 8
NF EN 14399-7	High strength structural bolting assemblies for preloading - Part 7
NF EN 14399-6	High strength structural bolting assemblies for preloading - Part 6
NF EN 14399-5	High strength structural bolting assemblies for preloading - Part 5
NF EN 14411:2007	Ceramic tiles - Definitions, classification, characteristics and marking
NF EN 14399-3	High strength structural bolting assemblies for preloading - Part 3
NF EN 1453-1:2000	Plastics piping systems with structured-wall pipes for soil and waste discharge (low and high temperature) inside buildings - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: specifications for pipes and the system
NF EN 14399-10	High strength structural bolting assemblies for preloading - Part 10
NF EN 14399-1	High strength structural bolting assemblies for preloading - Part 1
NF EN 14157:2005	Natural stones - Determination of abrasion resistance
NF EN 14171:2001	Welding

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NF EN 1418:1998	Welding personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
NF EN 1435:1997	Non-destructive testing of welds - Radiographic testing of welded joints
NF EN 14399-4	High strength structural bolting assemblies for preloading - Part 4
NF EN 1504-2	Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity - Part 2
NF EN 14146:2004	Natural stone test methods - Determination of the dynamic modulus of elasticity (by measuring the fundamental resonance frequency)
NF EN 12350:2012	Testing fresh concrete
NF EN 12371:2010	Natural stone test methods - Determination of frost resistance
NF EN 1504-6	Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity - Part 6
NF EN 1504-5	Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity - Part 5
NF EN 14399-9	High strength structural bolting assemblies for preloading - Part 9
NF EN 1504-3	Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity - Part 3
NF EN 13629:2003	Wood flooring - Solid pre-assembled hardwood board
NF EN 1504-10	Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity - Part 10

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NF EN 1504-1	Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity - Part 1
NF EN 14653-2:2005	Manually operated hydraulic shoring systems for groundwork support - Parts 2
NF EN 14653-1:2005	Manually operated hydraulic shoring systems for groundwork support - Parts 1
NF EN 14600:2005	Doorsets and openable windows with fire resisting and/or smoke control characteristics - Requirements and classification
NF EN 14579:2005	Natural stone test methods - Determination of sound speed propagation
NF EN 1504-4	Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity - Part 4
NF EN 10025-6	Hot-rolled products of structural steel
NF EN 13488:2003	Wood flooring - Mosaic parquet elements
NF EN 10164:2005	Steel products with improved deformation properties
NF EN 1263:2003	All Parts Safety nets: Safety requirements
NF EN 10169:2010	Continuously organic coated (coil coated) steel flat products
NF EN 1991-1-3	Eurocode 1 - Actions on structures - Part 1-3: general actions - Snow loads
NF EN 1991-1-5	Eurocode 1 - Actions on structures - Part 1-5: general actions - Thermal actions
NF EN 1991-1-2	Eurocode 1 - Actions on structures - Part 1-2: general actions - Actions on structures exposed to fire
NF EN 1991-1-6	Eurocode 1 - Actions on structures - Part 1-6: general actions - Actions during execution
NF EN 10025-5	Hot-rolled products of structural steel

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NF EN 1991-1-1	Eurocode 1 - Actions on structures - Part 1-1: general actions - Densities, self weight, imposed loads for buildings
NF EN 13480-3:2001	Metallic industrial piping - Part 3: Design and Calculation
NF EN 10025-4	Hot-rolled products of structural steel
NF EN 10025-3	Hot-rolled products of structural steel
NF E52-109:1990	(parts 1 & 2) Levage et Manutention - Assemblages Soudes (Lifting and Handling - Welded Joints)
NF EN 12620+A1:2008	Aggregates for concrete
NF EN 10029:2011	Specification for tolerances on dimensions, shape and mass for hot rolled steel plates 3 mm thick or above
NF EN 13442:2003	Wood and parquet flooring and wood panelling and cladding - Determination of the resistance to chemical agents
NF EN 12810-1:2004	Façade scaffolds made of prefabricated components - Part 1
NF EN 1011-1	Recommendations for welding part 1
NF EN 15167-2:2006	Ground granulated blast furnace slag for use in concrete, mortar and grout - Part 2 - Conformity evaluation
NF EN 1991-1-4	Eurocode 1 - Actions on structures - Part 1-4: gereral actions - Wind actions
NF EN 10160:1999	Ultrasonic testing of steel flat product of thickness equal or greater than 6 mm (reflexion method)
NF EN 13489:2003	Wood flooring - Multi-layer parquet elements
NF EN 10163-1	Delivery requirements for surface conditions of hot-rolled steel plates, wide flats and sections - Part 1: general requirements
NF EN 10163-2	Delivery requirements for surface conditions of HR steel plates part 2
NF EN 12670:2003	Natural stone - Terminology

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NF EN 10163-3	Delivery requirements for surface conditions of HR steel plates part 3
NF EN 1992	Eurocode 2 - design of concrete structures
NF EN 1991-1-7	Eurocode 1 - Actions on structures - Part 1-7: General actions - Accidental actions
NF EN 1004:2005	Mobile access and working towers made of prefabricated elements - Materials, dimensions, design loads, safety and performance requirements
NF EN 12390-6:2012	Testing hardened concrete - Part 6
NF EN 13480-5:1962	Metallic industrial piping - Part 5: Inspection and Control
NF EN 1925:1999	Natural stone test methods. Determination of water absorption coefficient by capillarity
NF E25-604:1984	Slotted countersunk head wood screws. Symbol FS
NF EN 12445:2011	Industrial, commercial and garage doors and gates. Safety in use of power operated doors. Test methods
NF EN 12424:2000	Industrial, commercial and garage doors and gates
NF EN 1936:2007	Natural stone test method - Determination of real density and apparent density, and of total and open porosity
NF EN 12390-7:2012	Testing hardened concrete - Part 7
NF EN 196-1:2006	Methods of testing cement - Part 1: Determination of mechanical strength
NF EN 12390-5:2012	Testing hardened concrete - Part 5
NF EN 12390-4:2012	Testing hardened concrete - Part 4
NF EN 12390-3:2012	Testing hardened concrete - Part 3
NF EN 12390-2:2012	Testing hardened concrete - Part 2
NF EN 12390-1:2012	Testing hardened concrete - Part 1

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NF EN 12372:2007	Natural stone test methods - Determination of flexural strength under concentrated load
NF EN 12390-8:2012	Testing hardened concrete - Part 8
NF EN 12504-2:2003	Surface hardness
NF EN 13501-1:2007	Fire classification of construction products and building elements - Part 1: classification using data from reaction to fire tests
NF EN 1990/NA:2007	Eurocode 0 - Basis of design
NF EN 1253-3:2006	Gullies for buildings-Part 3: Quality Control
NF EN 197-1:2012	Cement - Par 1: composition, specifications and conformity criteria for common cements
NF EN 1253-2:2003	Gullies for buildings-Part 2: Testing
NF EN 1926:2007	Natural stone test methods - Determination of uniaxial compressive strength
NF EN 10204:2005	Metallic products. Type of inspection documents
NF EN 13438:2006	Paints and varnishes - Powder organic coatings for galvanized or sheradised steel products for construction purposes
NF EN 196-9:2004	Methods of testing cement - Part 9: Heat of hydration - Semi-adiabatic method
NF EN 196-8:2012	Methods of testing cement - Part 8: heat of hydration - Solution method
NF EN 196-7:2008	Methods of testing cement - Part 7: Methods of taking and preparing samples of cement
NF EN 196-6:2012	Methods of testing cement - Part 6: Determination of fineness
NF EN 196-3:2006	Methods of testing cement - Part 3: Determination of setting time and soundness
NF EN 196-2:2006	Methods of testing cement - Part 2 - chemical analysis of cement

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NF EN 1253-1:2011	Gullies for buildings-Part 1: Requirement
NF EN ISO 4628-6:2004	Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance
NF P85-309	not given
NF P85-304	Rubber or plastic or preformed joint sealants, marking, delivery, stocking
NF P85-305	Jointing products. Sealants for water-tight sealing of joints. Specifications
NF P85-306	not given
NF P85-307	not given
NF P85-308	not given
NF P85-302	Vulcanised rubber and thermoplastic rubber - Gaskets and weatherstripping for building industry - Classification - Specification for materials and gaskets - Test methods on gaskets
NF EN ISO 4628-7:2004	Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 7: assessment of degree of chalking by velvet method
NF P85-301	Preformed gaskets used in light facades. Materials constituted of rubber
NF EN ISO 4628-5:2004	Paints and varnishes - Evaluation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 5: Assessment of degree of flaking
NF EN ISO 4628-4:2004	Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 4: Assessment of degree of cracking

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NF EN ISO 4628-3:2004	Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 3: Assessment of degree of rusting
NF EN ISO 4628-2:2004	Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 2: Assessment of degree of blistering (ISO 4628-2:2003)
NF EN ISO 4628-1:2004	Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 1: General introduction and designation system
NF EN ISO 717-2:1997	Raised floors
NF EN ISO 4628-8:2004	Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance
NF P63-203:2004	DTU 51.3 - Building works - Floors of timber or wood-based panels - Part 1-1: technical specifications - Part 1-2: general criteria for choice of materials - Part 2: special administrative clauses
NF P98-705:1992	Road construction and maintenance equipment. Compactors. Terminology and commercial specifications
NF P34-402:1987	Roofing. Metal. Preformed metallic flashings. Requirements
NF EN ISO 6892-1:2009	Metallic materials - Tensile testing - Part 1: method of test at room temperature
NF P34-403:1987	Roofing. Metal. Metallic cappings. Requirements
NF P34-601:1981	Strips and sheets made from continuous prelacquered aluminium
NF P40-201:1993	Building works - Sanitary plumbing in residencial buildings - Technical specifications
NF P85-303	not given

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NF P61-341:1975	Glass paste mosaic panels and 2 X 2 elements constituting them
NF P85-310	not given
NF P65-202:2000	DTU 55.2 - Building works - Applied stone wall cladding - Part 1: technical specifications - Part 2: special clauses
NF P72-202:1994	DTU 25.31 - Vertical smooth face plasterboard - Partition works with plaster tiles - Part 1: technical clauses book - Part 2: special clauses - Part 3: memento
NF P74-201:1994	DTU 59.1 - Painting - Building painting works - Part 1: technical clauses book - Part 2: particular specifications book
NF P74-202:1993	DTU 59-2 - Building works - Work of thick plastic finishes (TPF) over concrete and plaster based on hydraulic binders - Part 1: technical specifications - Part 2: special clauses
NF P74-203:2000	DTU 59.3 - Building works - Paint work for floor - Part 1: technical specifications - Part 2: special clauses
NF P75-401:2001	DTU 45.1 - Building works - Thermal insulation of refrigerating buildings and of regulated temperature premises - Part 1: contract bill of technical clauses - Part 2: special clauses
NF P52-305:2010	Building works - Piping used for cold and hot pressure water and piping for evacuation waste water and rain water inside buildings - General rules of execution - Part 1: technical specifications - Part 2: special clauses
NF P94-117-3:2012	Soils: investigation and testing - Formation level bearing capacity - Part 3: WESTERGAARD coefficient of subgrade reaction under static plate load
NF EN ISO 4624:2003	Paints and varnishes - Pull-off test for adhesion
NF P94-100:1999	Soils: investigation and testing. Lime and/or hydraulic binder treated materials. Test for determining the treatment ability of à soil

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NF P94-102-1:2012	Soils: investigation and testing - Soil treated with hydraulic binder, possibly combined with lime, for use as a selected fill - Part 1: definition - Composition - Classification
NF EN ISO 2081:2009	Metallic and other inorganic coatings - Electroplated coatings of zinc with supplementary treatments on iron or steel
NF P94-102-2:2012	Soils: investigation and testing - Soil treated with hydraulic binder, possibly combined with lime, for use as a selected fill - Part 2: methodology of laboratory formulation studies
NF P94-103:2012	Soils: investigation and testing - Line and/or hydraulic binder treated materials - Test for assessing the ability of a dry mineral treatment product to emit dust
NF EN ISO 2812-1:2007	Paints and varnishes - Determination of resistance to liquids - Part 1: Immersion in liquids other than water
NF P94-117-2:2012	Soils: investigation and testing - Formation level bearing capacity - Part 2: dynamic deformation module
NF EN ISO 2812-2:2007	Paints and varnishes - Determination of resistance to liquids - Part 2: water immersion method
NF EN ISO 17660-2:2008	Welding - Welding of reinforcing steel - Part 2: non-load bearing welded joints
NF EN ISO 17660-1:2008	Welding - Welding of reinforcing steel - Part 1: load bearing welded joints
NF EN ISO 17640:2011	Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment
NF EN ISO 17638:2010	Non-destructive testing of welds. Magnetic particle testing
NF EN ISO 17637:2011	Non-destructive testing of welds - Visual testing of fusion-welded joints
NF P98-701:1993	Road construction and maintenance equipment. Material processing plants. Terminology and performances
NF P94-117-1:2000	Soils: investigation and testing - Formation level bearing capacity - Part 1: plate test static deformation module (EV2)

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NF P85-312	not given
NF P85-311	not given
NF EN ISO 3834-4:2006	Quality requirements for fusion welding of metallic materials - Part 4: Elementary quality requirements
NF EN ISO 3834-3:2006	Quality requirements for fusion welding of metallic materials - Part 3: standard quality requirements
NF EN ISO 3834-2:2006	Exigences de qualité en soudage par fusion des matériaux métalliques - Partie 2 : exigences de qualité complète
NF P18-370:1995	Admixtures - Curing products for concrete and mortar - Definition, specifications and marking. Only French version
NF EN ISO 3834-1:2006	Quality requirements for fusion welding of metallic materials - Part 1: criteria for the selection of the appropriate level of quality requirements
NF EN ISO 2560:2009	Welding
NF EN ISO 3506:2010	Mechanical properties of corrosion-resistant stainless steel fasteners
NF P25-362:2001	Shutters for open bays and gates - Technical specifications
NF P85-313	not given
NF P94-093:1999	Soils: investigation and testing. Determination of the compaction characteristics of a soil. Standard Proctor test. Modified Proctor test
NF EN ISO 3452	Non-destructive testing - Penetrant testing
NF EN ISO 3059:2001	Non-destructive testing - Penetrant testing and magnetic particle testing - Viewing conditions
NF EN ISO 2812-4:2007	Paints and varnishes - Determination of resistance to liquids - Part 4: Spotting methods
NF EN ISO 2812-3:2007	Paints and varnishes - Determination of resistance to liquids - Part 3: Method using an absorbent medium

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NF EN ISO 898-1:2009	Mechanical properties of carbon steel fasteners
NF P18-556:1990	Aggregates - Determination of the continuity index. Only French version
NF ISO 261:1999	ISO general purpose metric screw threads. General plan
NF P18-404:1981	Concrete - Development, feasibility and control tests - Preparation and storage of test specimens
NF P18-454:2004	Reactivity of a concrete formula with regard to the alkali-reaction. Only French version
NF ISO 68-1:1999	ISO general purpose screw threads
NF P18-507:1992	Additions for hydraulic cement - Water requirements, regularity checking - Method for measuring fluidity by flow with “Marsh cone”. Only French version
NF P18-508:2012	Additions for hydraulic concrete - Limestone additions - Specifications and conformity criteria. Only French version
NF P 16 442:2007	Mise en oeuvre et maintenance des séparateurs de liquides légers et débourbeurs
NF P18-545:2011	Aggregates - Defining information, compliance, codification and related test standards. Only French version
NF P 84-204:2004	DTU 43.1 - Building works - Impermeability of flat roofs and inclined roofs with a masonry structural member in a low-land climate - Part 1-1: contract bill of technical clauses - Part 1-2: general criteria for selection of materials (GCM) - Part 2: contr
NF ISO 6750:2005	Earth-moving machinery - Operation manual - Content and format
NF C 18-510:2012	Opérations sur les ouvrages et installations électriques et dans un environnement électrique - Prévention du risque électrique
NF P18-557:1990	Aggregates - Elements for identification of aggregates. Only French version;

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NF P18-576:1990	Aggregates - Measurement of the friability coefficient for fine aggregate
NF P20-101:2011	Doors and doorsets - Dimensional characteristics
NF P34-401:1977	Roofing. Ribbed sheets made from galvanized steel either prelaquered or not
NF P18-509:1998	Additions for hydraulic concrete - Siliceous additions - Specifications and conformity criteria. Only French version
NF P15-301:1994	Hydraulic binders. Common cements. Composition specifications and conformity criteria
NF P18-363:1986	Admixtures for concrete, mortar and grout - Ordinary injection grouts for prestressed concrete - Determination of false setting (Tusschenbroeck test)
NF P18-210:1993	DTU 23-1. Building works. In situ formed concrete walls. Technical specifications
NF P18-201:2004	DTU 21, Building works - Execution of concrete works - Technical specifications
NF P15-466:1983	Binders - rapid recognition of cement at the time of delivery by comparison with a reference sample
NF P15-433:1994	Methods of testing cement. Determination of shrinkage and swelling
NF P15-319:2006	Hydraulic binders - Sulphate-resisting cements. Only French version
NF ISO EN 8573-1:2001	Compressed air - Part 1: contaminants and purity classes
NF P15-317:2006	Hydraulic binders - Cement for operations at sea. Only French version
NF P10-203-1/A1:2000	DTU 20.12 - Roof and watertightness masonry - Masonry structural work for roofs intented to receive a waterproof blanket - Part 1: technical specifications
NF P08-301:1991	Vertical building elements. Impact resistance tests. Impact bodies. Prinicple and general test procedures

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NF P01-101:1964	Structural dimensions. Coordination dimensions for structures and structural elements
NF P01-013:1988	Raillings tests
NF P01-012:1988	Dimensions of rails. Safety regulations relating to the dimensions of ground rails and staircase hand-rails
NF P 84-313:1987	Waterproofing. Bitumen felt with high strength glass-fibre base (type 36 S V.VH. R.). Definition, specifications
NF P15-318:2006	Hydraulic binders - cements with a limited sulphur content for pre-stressed concrete. (Only French version)
NF EN 287:2011	Qualification test of welders
NF P210:1993	DTU 22-1 - Building works - Exterior cladding using large prefabricated panels of the solid or ribbed slab type or ordinary concrete - Part 1: technical specifications - Part 2: special clauses
NF EN ISO 9692-1:2004	Welding and allied processes - Recommendations for joint preparation
NF C 32-323:2004	Non-armoured cable
NF EN ISO 9047:2010	Building construction - Jointing products - Determination of adhesion/cohesion properties of sealants at variable temperatures
NF P24-301:1980	Technical specifications for metal windows, french windows and fixed frame
NF P24-351:2012	Metal joinery - Windows, curtain walling, metal fram panels - Protection against corrosion and conservation of surface conditions
NF EN ISO 9712:2012	Non-destructive testing - Qualification and certification of NDT personnel
NF P24-802:2003	DTU 35.1 - Building works - Removable and dismountable partitions - Part 1: contract bill of technical clauses - Part 2: contract bill of special clauses

Reinforced Concrete Buildings	
NF C 32-070:2001	Insulated cables and flexible cords for installations - Classification tests on cables and cords with respect to their behaviour to fire
NF P25-201:1994	DTU 34-1 - Building works - Shutters for open bays - Part 1: technical specifications - Part 2: special clauses
NF EN ISO 8339:2005	Building construction - Sealants - Determination of tensile properties (Extension to break)
NF EN ISO 7784-3:2006	Paints and varnishes - Determination of resistance to abrasion - Part 1: rotating abrasive-paper-covered wheel method - Part 3
NF EN ISO 7784-2:2006	Paints and varnishes - Determination of resistance to abrasion - Part 1: rotating abrasive-paper-covered wheel method - Part 2
NF EN ISO 7784-1:2006	Paints and varnishes - Determination of resistance to abrasion - Part 1: rotating abrasive-paper-covered wheel method - Part 1
NF EN ISO 7783:2011	Paints and varnishes - Determination of water-vapour transmission properties - Cup method
NF EN 50110-1:2005	Operation of electrical installations - Part 1: general requirements
NF ISO 22476-3	Geotechnical investigation and testing - Field testing - Part 3
NF P21-203:2002	DTU 31-1. Building works. Timber frameworks and stairs. Part 1: technical specifications - Part 2: special clauses
NF ISO 22476-9	Geotechnical investigation and testing - Field testing - Part 9
NF ISO 22476-8	Geotechnical investigation and testing - Field testing - Part 8
NF ISO 22476-7	Geotechnical investigation and testing - Field testing - Part 7
NF ISO 22476-6	Geotechnical investigation and testing - Field testing - Part 6
NF ISO 22476-5	Geotechnical investigation and testing - Field testing - Part 5

Reinforced Concrete Buildings	
NF EN ISO 9692-2:1999	Welding and allied processes - Recommendations for joint preparation
NF P22-202-2:1993	DTU 32-2. Building works. Private contracts. Metal construction. Aluminium alloys framework. Part 2: special clauses
NF EN ISO 3581:2012	Welding consumables - Covered electrodes for manual metal arc welding of stainless and heat-resisting steels - Classification
NF ISO 22476-2	Geotechnical investigation and testing - Field testing - Part 2
NF ISO 22476-13	Geotechnical investigation and testing - Field testing - Part 13
NF ISO 22476-12	Geotechnical investigation and testing - Field testing - Part 12
NF ISO 22476-11	Geotechnical investigation and testing - Field testing - Part 11
NF ISO 22476-10	Geotechnical investigation and testing - Field testing - Part 10
NF ISO 22476-1	Geotechnical investigation and testing - Field testing - Part 1
NF ISO 22476-4	Geotechnical investigation and testing - Field testing - Part 4
NF EN 934-2:2009	Admixtures for concrete, mortar and grouts - Part 2: admixtures for concrete - Definitions, requirements, compliance, marking and labelling
NF EN ISO 14021:2004	Insulation recycled content
NF P98-711:1993	Road construction and maintenance equipment. Soils stabilization or retread: soils processing machinery, storage of binding materials. Terminology
NF DTU 32.1:2009	Execution of works - Steel structure - Part 1: contract bill of technical model clauses - Part 2: contract bill of special administrative model clauses
NF DTU 26.2:2008	Building works - Screeds and slabs with a base of hydraulic binders - Part 1-1: contract bill of technical model clauses - Part 1-2: general criteria for choice of materials - Part 2: contract bill of special administrative model clauses

Reinforced Concrete Buildings	
NF DTU 25.41:2008	Building works - Gypsum plasterboards works - Part 1-1: contract bill of technical model clauses - Part 1-2: General criteria for selection of materials - Part 2: contract bill of special administrative clauses
NF DTU 25.1:2010	Building works - Internal gypsum plastering - Part 1-1: contract bill of technical model clauses - Part 1-2: general criteria for selection of materials - Part 2: contract bill of special administrative model clauses
NF DTU 20.1:2008	Building works - Small mansonry unit walls - Partitions and walls - Part 1-1: contract bill of technical model clauses - Part 1-2: general criteria for selection of materials - Part 2: contract bill of special administrative model clauses - Part 3: guide
NF EN 933-2:1996	Test for geometrical properties of aggregates - Part 2: Determination of particle size distribution - Test sieves, nominal size of apertures
NF EN 933-3:2012	Tests for geometrical properties of aggregates - Part 3: Determination of particle shape - Flakiness index
NF EN 933-4:2008	Tests for geometrical properties of aggregates - Part 4: Determination of particle shape - Shape index
NF EN 933-6:2002	Test for geometrical properties of aggregates - Determination of surface characteristics - Part 6: Flow coefficient of aggregates
NF DTU 36.5:2010	Building works - Installation of windows and exteriors doors - Part 1-1: contract bill of technical model clauses - Part 1-2: general criteria for choice of materials - Part 2: contract bill of special administrative model clauses - Part 3: memento of cho
NF EN 933-8:2012	Tests for geometrical properties of aggregates - Part 8: Assessment of fines - Sand equivalent test
NF EN 60504-1	EU-DA, Annex B.20
NF EN ISO 11432:2005	Building construction - Sealants - Determination of resistance to compression

Reinforced Concrete Buildings	
NF T30-805:1983	Guide lines for painting products used in building works
NF T30-901:1995	Paints and varnishes. Paint for nuclear industry. Performance test for susceptibility to contaminaiton and fitness to decontamination
NF T36-005:2010	Paints and varnishes - Characterization of coating materials
NF EN ISO 13850:2008	Safety of machinery- Emergency stop -Principles for design
NF EN 319:1993	Particleboards and fibreboards. Determination of tensile strength perpendicular to the plane of the board
NF EN 933-9:1999	Tests for geometrical properties of aggregates - Part 9: Assessment of fines. Methylene blue test
NF EN 326-1:1994	Wood-based panels. Sampling, cutting and inspection - Part 1
NF EN 934-1:2008	Admixtures for concrete, mortar and grout - Part 1: Common requirements
NFC 15-100	Installations électriques à basse tension
NF EN ISO 10590:2005	Building construction - Sealants - Determination of tensile properties of sealants at maintained extension after immersion in water
NFP 98-331:2005	Chaussées et dépendances - Tranchées: ouverture, remblayage, réfection
NFP 98-332:2005	Chaussées et dépendances - Règles de distance entre les réseaux enterrés et règles de voisinage entre les réseaux et les végétaux
NF EN 998-2:2010	Mortar
NF EN 60332-3:2009	Test on electrical cables under fire conditions
NF EN ISO 13788:2001	Surface condensation
NF EN 451-2:1994	Method of testing fly ash - Part 2: determination of fineness by wet sieving. Only French version

Reinforced Concrete Buildings	
NF EN 438-1:2005	High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (Usually called Laminates) - Part 1: Introduction and general information
NF EN 438-2:2005	High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 2: Determination of properties
NF DTU 60.2:2007	Building works - Cast iron pipes for soil water, rain water and waste water drainage - Part 1-1: technical specifications - Part 1-2: general criteria for selection of materials
NF EN 438-3:2005	High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (Usually called Laminates) - Part 3: Classification and specifications for laminates less than 2 mm thick intended for bonding to supporting substrates
NF EN 438-4:2005	High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (Usually called Laminates) - Part 4: Classification and specifications for Compact laminates of thickness 2 mm and greater
NF EN 438-5:2005	High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (Usually called Laminates) - Part 5: Classification and specifications for flooring grade laminates less than 2 mm thick intended for bonding to supporting substrates
NF EN 357:2005	Glass in building - Fire resistant glazed elements with transparent or translucent glass products - Classification of fire resistance
NF EN 326-3:1994	Wood-based panels. Sampling, cutting and inspection - Part 3
NF EN 438-6:2005	High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (Usually called Laminates) - Part 6: Classification and specifications for Exterior-grade Compact laminates of thickness 2 mm and greater
NF EN 438-7:2005	High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (Usually called Laminates) - Part 7: Compact laminate and HPL composite panels for internal and external wall and ceiling finishes

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NF EN 438-8:2005	High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 8: Classification and specifications for design laminates
NF EN 438-9:2005	High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 9: Classification and specifications for alternative core laminates
NF EN 450-1+A1:2007	Fly ash for concrete - Part 1 - Definitions, specifications and conformity criteria
NF EN 60709:2010	Nuclear power plants - Instrumentation and control systems important to safety - Separation
NF DTU 43.4:2008	Building works - Roofs made of load-bearing wood and wood product panels with waterproofing coverings - Part 1-1: technical specifications - Part 1-2: general criteria for selection of materials (GCM) - Part 2: contract hill of special clauses
NF DTU 40.5 (XP P36-201):1993	Roofing - rain water evacuation work
NF DTU 43.3:2008	Building works - Grooved sheet metal roofing with waterproof coating - Part 1-1: contract bill of technical model clauses - Part 1-2: general criteria for selection of materials - Part 2: contract bill of special administrative model clauses
NF EN 571-1:1997	Non destructive testing. Penetrant testing. Part 1: general principles
NF EN 520+A1:2009	Gypsum plasterboards - Definitions, requirements and tests methods
NF EN 515:1993	Aluminium and aluminium alloys. Wrought products
NF EN 326-2:1994	Wood-based panels. Sampling, cutting and inspection - Part 2
NFRC TB36	Sealing
NF EN 450-2+A1:2007	Fly ash for concrete - Part 2 - Conformity evaluation

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NF DTU 52.1:2010	Building works - Sealed flooring - Part 1-1: contract bill of technical model clauses - Part 1-2: general criteria for material selection - Part 2: contract bill of special administrative model clauses
NF EN 485:2009	Aluminium and aluminium alloys - Sheet, strip and plate
NF DTU 52.2:2009	Parquets - Parquets to be glued - Part 1-1: contract bill of technical clauses - Part 1-2: general criteria for selection of materials - Part 2 contract bill of special clauses
NF DTU 52.3:2010	Building works - Sealed flooring - Part 1-1: contract bill of technical model clauses - Part 1-2: general criteria for material selection - Part 2: contract bill of special administrative model clauses
NF DTU 57.1:2007	Raised access floor (free access) - Constituent components - Execution - Part 1- 1: technical specifications - Part 1-2: general criteria for selection of materials - Execution - Part 2: contract bill of special clauses
NF EN 933-7:1998	Tests for geometrical properties of aggregates - Part 7: Determination of shell content - percentage of shells in coarse aggregates
NF EN 50164:2008	Lightning protection components (LPC)
NF P98-712:1993	Road construction and maintenance equipement. Soils stabilization or retread process: spreader plants of binder a pulvi-mixer. Terminology
RCC-E 2005	Design and construction rules for electrical equipment of nuclear islands
NF T30-704:1983	Paints. Thick plastics coatings. Test for blister formation under water vapour diffusion
NF EN ISO 14688-1:2003	Geotechnical investigation and testing - Identification and classification of soil - Part 1: identification and description
NF EN ISO 14688-2:2005	Geotechnical investigation and testing - Identification and classification of soil - Part 1: identification and description

Reinforced Concrete Buildings	
NF P98-760:1992	Road construction and maintenance equipment. Pneumatic. Tired. Compactors. Evaluation of the contact pressure on soil
NF T30-701:1983	Paints. Thick plastics coatings. Retardation of dripping water diffusion
NF S61-937:1990	Mechanical louvred ventilator testing
NF S31-010:1996	Acoustics - Environmental noise characterization and measurement - Special measuring methods
NF EN ISO 14644	Cleanrooms and associated controlled environments
NF EN ISO 1522:2007	Paints and varnishes - Pendulum damping test
NF T30-702:1983	Paints. Thick coatings. Resistance of adhesiveness to artificial weathering
NF EN ISO 15234:2011	Paints and varnishes - Testing of formaldehyde-emitting coatings and melamine foams - Determination of the steady-state concentration of formaldehyde in a small test chamber
NF EN 311:2002	Wood-based panels - Surface soundness - Test method
NF P98-713:1993	Road construction and maintenance equipment. Soils stabilization or retread process: milling planers, cold planing. Terminology
NF P98-771:1994	Road construction and maintenance equipment. Driving assistance and control equipment embarked on rollers. Terminology. Classification
NF P98-736:1992	Road construction and maintenance equipment. Compactors. Classification
NF P98-761:1992	Road construction and maintenance equipment. Compactors. Evaluation of the eccentric moment
NF EN ISO 14122-1:2007	Safety of machinery - Permanent means of access to machinery - Part 1
NF EN 933-5/A1:2005	Tests for geometrical properties of aggregates - Part 5: determination of percentage of crushed particles in coarse and all-in natural aggregates

Reinforced Concrete Buildings	
NF EN 316:2009	Wood fibre boards - Definition, classification and symbols
NF EN ISO 14343:2010	Welding
NF EN ISO 1461:2009	Hot dip galvanised coatings
NF EN ISO 14341:2011	Welding
NF T30-802:1979	Exterior building paints. Conventional determination of the water permeability of microporous cladding paints
NF T30-803:1979	Exterior building paints. Determination of the alkali resistance of microporous cladding paints
NF T30-801:1979	Exterior building paints. Conventional determination of the water permeability of microporous cladding paints
NF EN ISO 15630:2010	Steel for the reinforcement of concrete: Test methods
NF EN ISO 14122-4:2007	Safety of machinery - Permanent means of access to machinery - Part 4
NF EN ISO 14122-3:2007	Safety of machinery - Permanent means of access to machinery - Part 3
NF T30-708:1983	Paints. Thick plastics coatings. Determination of behaviour of coating applied to alkaline substrate
NF EN ISO 14122-2:2007	Safety of machinery - Permanent means of access to machinery - Part 2
SFS-ISO 7077	Measuring Methods for Building - General Principles and Procedures for the Verification of Dimensional Compliance
P 18-597:1990	Aggregates - Determination of cleanliness of sands: sand equivalent with 10% fines
P 18-593:1990	Aggregates - Frost vulnerability
P 18-591:1990	Aggregates - Determination of surface cleanliness
SFS-ISO 3443-8	Tolerances for Building, Dimensional Inspection and Control for Construction Work

Reinforced Concrete Buildings	
P 18-576:1990	Aggregates - Measurement of the friability coefficient for fine aggregate
P 18-573:1990	Aggregates - Los Angeles test
P 18-572:1990	Aggregates - Micro-Deval test for resistance to wear
P 18-560:1990	Aggregates - Particle size distribution by sieving
P 15-466:1983	Binders - rapid recognition of cement at the time of delivery by comparison with a reference sample
P 18-556:1990	Aggregates - Determination of the continuity index
P 18-557:1990	Aggregates - Elements for identification of aggregates
XP P 18 545:2004	Aggregates - Specification, compliance, classification and related test standards
P 18-561:1990	Aggregates - Measurement of flakiness index
ISO 6784:1982	Concrete - Determination of static modulus of elasticity in compression
NF A 35-024 (02/98)	Steel for concrete reinforcement - Surface welded fabric composed of wires with a diameter less than 5 mm
NF A 35-027 (01/03)	Steel products for reinforced concrete - Reinforcement
NF A 35-016-1:2011	Reinforcing steels - Weldable ribbed steel - Part 1: bars and coils
NF A 35-016-2:2011	Reinforcing steels - Weldable ribbed steel - Part 2: welded fabric
NF A 35-020-2 (07/99)	Steel products - End coupling and anchoring devices for high-yield steel for concrete reinforcement - Part 2: test methods
NF A 35-020-1 (07/99)	Steel products - End coupling and anchoring steel devices for high-yield steel for concrete reinforcement - Part 1: requirements for mechanical performances
NF EN 196-2:1995	Methods of testing cement - Part 2 - chemical analysis of cement

Reinforced Concrete Buildings	
NF P 94-102-2:2001	Sols. Reconnaissance et essais. Sol traité au liant hydraulique, éventuellement associé à la chaux, pour utilisation en couche de forme. Partie 2: méthodologie des études de formulation en laboratoire
NF P 94-103:2004	Sols. Reconnaissance et essais. Essai d'évaluation de l'aptitude d'un produit de traitement minéral sec à émettre de la poussière
NF P 94-117-1:2000	Sols. Reconnaissance et essais. Portance des plates-formes. Partie 1: module sous chargement statique à la plaque (EV2)
NF EN 12350-2:1999	Test for fresh concrete - Part 2: slump test
NF EN 1008:2007	Mixing water for concrete
NF EN 1744-1:1998	Tests to determine the chemical properties of aggregates - Part 1 - chemical analysis
NF EN 1097-6:2006	Test for mechanical and physical properties of aggregates - Part 6 - Determination of particle density and water absorption
NF P 98-761:1991	Matériels de construction et d'entretien des routes. Compacteurs. Evaluation du moment d'excentrique
NF P 93-350:1995	Building site equipment - Wallforms for concrete structures
NF P 18-802:1992	Special repair, bonding, injection, levelling and sealing products for hydraulic concrete construction
NF P 18-509:1998	Additions for hydraulic concrete - Siliceous additions - Specifications and conformity criteria. Only French version
NF P 18-507:1992	Additions for hydraulic cement - Water requirements, regularity checking - Method for measuring fluidity by flow with "Marsh cone". Only French version
NF P 18-454:2004	Reactivity of a concrete formula with regard to the alkali-reaction. Only French version
NF P 18-404:1981	Concretes. Study, suitability and control tests. Manufacture and storage of test specimens

Reinforced Concrete Buildings	
NF EN 206-1	Concrete - Part 1: Specification, performance, production and conformity
NF P 18-370:1995	Admixtures - Curing products for concrete and mortar - Definition, specifications and marking
NF EN 13263-1:2009	Silica fume for concrete - Part 1 - Definitions, specifications and conformity criteria
NF P 94-102-1:2001	Sols. Reconnaissance et essais. Sol traité au liant hydraulique, éventuellement associé à la chaux, pour utilisation en couche de forme. Partie 1: définition - composition - classification
NF P 15-319:2006	Hydraulic binders - Sulphate-resisting cements. Only French version
NF P 98-70:1992	Matériels de construction et d'entretien des routes: compacteurs - Terminologie et spécifications commerciales
NF EN 12350-7:2003	Testing fresh concrete - Part 7: air content - Pressure method
NF P 98-701:1993	Matériels pour la construction et l'entretien des routes. Centrales de traitement de matériaux. Terminologie et performances
NF P 98-711:1993	Matériels pour la construction et l'entretien des routes. Traitement en place ou retraitement: matériels de préparation des sols et de stockage des liants pulvérulents. Terminologie
NF P 98-712:1993	Matériels pour la construction et l'entretien des routes. Traitement en place ou retraitement: épandeurs de liants pulvérulents et malaxeurs de sols en place. Terminologie
NF P 94-093:1999	Sols: reconnaissance et essais - Détermination des références de compactage d'un matériau - Essai Proctor normal. Essai Proctor modifié
NF P 94-100:1999	Sols. Reconnaissance et essais. Matériaux traités à la chaux et/ou aux liants hydrauliques. Essai d'évaluation de l'aptitude d'un sol au traitement
NF P 98-713:1993	Matériels pour la construction et l'entretien des routes. Traitement en place ou retraitement. Fraiseuses. Terminologie

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NF P 98-736:1992	Matériel de construction et d'entretien des routes. Compacteurs. Classification
NF P 98-760:1991	Matériel de construction et d'entretien des routes. Compacteurs à pneumatiques. Evaluation de la pression de contact au sol
NF P 98-771:1994	Matériels de construction et d'entretien des routes. Matériels d'aide à la conduite et de contrôle embarqués sur les compacteurs. Terminologie. Classification
NF EN 13263-1:2005	Silica fume for concrete - Part 1 - Definitions, specifications and conformity criteria
NF EN 12390-7:2009	Test for hardened concrete - Part 7: density of concrete
NF EN 197-1/A1:2004	Cement - Part 1: Composition, specifications and conformity criteria for common cements - Amendment A1
NF DTU 12:2008	Earthworks for buildings
NF P 94-117-2:2004	Sols. Reconnaissance et essais. Portance des plates-formes. Partie 2: Module sous chargement dynamique à la plaque
NF EN 12390-6:2010	Test for hardened concrete - Part 6: tensile splitting strength of test specimens
NF EN 206-1:2002	Concrete - Part 1: Specification, performance, production and conformity
NF EN 206-1:2004	Concrete - Part 1: Specification, performance, production and conformity
NF EN 12620:2008	Aggregates for concrete
NF P18-201	DTU 21, Building works - Execution of concrete works - Technical specifications
NF EN 934-2:2002+A1:2005+A2:2006	Admixtures for concrete, mortar and grouts - Part 2: admixtures for concrete - Definitions, requirements, compliance, marking and labelling
NF EN 12390-3:2002	Test for hardened concrete - Part 3: compressive strength of test specimens

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NF EN 196-6:1990	Methods of testing cement - Part 6: Determination of fineness
NF EN 196-7:1990	Methods of testing cement - Part 7: Methods of taking and preparing samples of cement
NF EN 197-1:2001	Cement - Part 1: Composition, specifications and conformity criteria for common cements
NF EN 10002-1:2010	Metallic materials - Tensile testing - Part 1: method of test at ambient temperature
NF EN 1097-5:2011	Test for mechanical and physical properties of aggregates - Part 5 - Determination of the water content by drying in a ventilated oven
XP T47-804	Appareils d'appui en caoutchouc - Détermination du module sécant de compression (Rubber bearing devices - Compressive loading test
XP T47-803	Appareils d'appui en caoutchouc - Détermination de l'adhérence en cisaillement (Rubber bearing devices - Determination of the shearing adhesion
XP T47-802	Appareils d'appui en caoutchouc - Détermination du module de cisaillement (Rubber bearing devices - Determination of the shearing module
prEN 15129	Anti-seismic devices. Note: the definitive standard EN 15129 shall be taken into account at its final issue, if available
not given	Rapport Préliminaire de Sûreté (Preliminary Safety Report) RPrS V1 ch. 6.7
XP T47-806	Appareils d'appui en caoutchouc - Détermination du fluage en compression (Rubber bearing devices - Determination of creep under compression
ISO 48	Rubber, vulcanized or thermoplastic - Determination of hardness (hardness between 10 IRHD and 100 IRHD)
ISO 37	Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties

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ISO 815	Rubber, vulcanized or thermoplastic - Determination of compression set at ambient, elevated or low temperatures
ITER Document	ITER - Preliminary Analysis and Design of Tokamak Complex Seismic Isolation Bearings and Excavation - Preliminary Design of Seismic Isolation
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part1: Design Criteria
ITER Document	ITER Preliminary Analysis and Design of Tokamak Complex Seismic Isolation Bearings and Excavation - Reference standards, Bearings Characteristics and Design Methodology Applied to Bearings
ITER Document	Site Expertise - Synthesis Report on the Execution of the Qualification of Pads
ITER Document	Safety Requirements for ITER Facility Buildings
ITER Document	Tender specification for pads
ITER Document	Quality Classification Determination
AFPS 90	Recommandations pour la rédaction de règles relatives aux ouvrages et installations à réaliser dans les régions sujettes aux séismes
EN 10025	Hot rolled products of non-alloy structural steels - Technical delivery conditions
EN 10204	Metallic products. Type of inspection documents
NF EN 1991	Eurocode 1 - Actions on structures
NF EN 1998	Eurocode 8 - Design of structures for earthquake resistance
NF EN 1337-1	Structural bearings - Part 1: General design rules
NF EN 1993	Eurocode 3 - design of steel structures
NF EN 1337-3	Structural bearings - Part 3: Elastomeric bearings
NF EN 1337-10	Structural bearings - Part 10: Inspection and maintenance

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NF EN 1997	Eurocode 7 - Geotechnical design
NF EN 1337-11	Structural bearings - Part 11: Transport, storage and installation
NF EN 1994	Eurocode 4 - Design of composite steel and concrete structures
ISO 188	Rubber, vulcanized or thermoplastic - Accelerated ageing and heat resistance tests
NF EN 1337-9	Structural bearings - Part 9: Protection
EN ISO 11064-6:2005	Ergonomic design of control centres. Environmental requirements for control centres
IEC 60331	Tests for electric cables under fire conditions - Circuit integrity
ISO 2094:1999	Textile floor coverings. Determination of thickness loss under dynamic loadings
ITER Document	Load Specifications for Buildings with Safety Requirements
ITER Document	EDH Part 5: Earthing and Lightning Protection
ITER Document	Fire Loads Methodology
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part 2: Construction
ITER Document	Tritium Handbook
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)
ITER Document	ITER Seismic Nuclear Safety Approach
ITER Document	ITER Fire Safety Approach
ITER Document	EDH Part 1: Introduction
ITER Document	Plant Control Design Handbook for Nuclear control systems
ITER Document	EDH Part 3: Codes & Standards

Reinforced Concrete Buildings	
ITER Document	EDH Part 2: Terminology & Acronyms
DIN EN 985:2001	Textile floor coverings - Castor chair test
EN 50172:2004	Emergency lighting systems
EN 1993-1-2	Eurocode 3 - Design of steel structures - Part 1-2: General rules - Structural fire design
EN 12464-1:2002	Light and lighting - Lighting of workplaces - Part 1: Indoor work places
EN 1992-2	Eurocode 2 - Design of concrete structures
NF C 71-800	Series of French standards for emergency lighting
NF C 32-070 ESSAI CR1	Four, transformateur variable et armoire électrique
NF EN 13501	Fire classification of construction products and building elements
IEC 60332	Tests on electric and optical fibre cables under fire conditions
IEC 60364	Low-voltage electrical installations
IEC 61034	Measurement of smoke density of cables burning under defined conditions
IEC 62305-4	Protection against lightning - Part 4: Electrical and electronic systems within structures
IEC 62305-2	Protection against lightning - Part 2: Risk management
IEC 62305-3	Protection against lightning - Part 3: Physical damage to structures and life hazard
IEC 62305-5	Protection against lightning - Part 45: Services
IEC 62305-1	Protection against lightning - Part 1: General principles
ITER Document	ITER Site and Buildings - General Loads Specification for Structural Works - Buildings Without Safety Requirements
DIN 18202	Level (flat and smooth) floors

3.27 R/H Equipment

R/H Equipment	
not given	EDH Part 4 Electromagnetic Compatibility (EMC)
ITER Document	EDH Part 5: Earthing and Lightning Protection
ITER Document	Plant Control Design Handbook
ITER Document	Plant Control Design Handbook for Nuclear control systems
ITER Document	EDH Part 3: Codes & Standards
not given	Electrical Design Handbook (EDH) [AD-0040]
Eurocode 3 (EC3) (EN 1993)	Eurocode 3 - Design of steel structures
Eurocode 9 (EC9) (EN 1999-1)	Design of Aluminium Structures
Eurocode 0 (EC0) (EN 1990)	Basis of structural design
ITER Document	Remote Handling Control System Design Handbook
ITER Document	ITER Vacuum Handbook
C&S in SRD	not given
RCC-MR	Rules for design and construction of fast breeder liquid metal cooled reactors
RCC-MRx 2015	Design and Construction Rules for mechanical components of nuclear installations: high-temperature, research and fusion reactors
IEC 60332-1	Tests on electric and optical fibre cables under fire conditions - Part 1: Test for vertical flame propagation for a single insulated wire or cable
IEC 60332-3	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 60754-1	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content

R/H Equipment	
IEC 61034	Measurement of smoke density of cables burning under defined conditions
IEC 60754-2	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
ISO 17874	Remote handling devices for radioactive materials
ISO 11933	Components for containment enclosures
ISO 10648	Containment enclosures
ITER Document	SRD-23-03 (Casks and Plug Handling Systems)
ITER Document	EDH Part 1: Introduction
ASTM C1615-05	Mechanical Drive Systems for Remote Operation in Hot Cell Facilities
ASTM C1661-07	Viewing Systems for Remotely Operated Facilities
AGS-G010-2011	Standard of practice for Glovebox Fire Protection
ASTM C1533-02	General Design Considerations for Hot Cell Equipment
ASTM C1554-03	Materials Handling Equipment for Hot Cells
AGS-G006-2005	Standard of Practice for the Design and Fabrication of Nuclear-Application Glove boxes
AGS-G003-1998	Standard of practice for the application of linings to Gloveboxes
AGS-G002-1998	Standard of practice for the design & Fabrication of Glovebags
ASME B31.3	Process Piping
AGS-G004-2014	Standard of practice for Leak test Methodologies for Gloveboxes and other enclosures
AGS-G001-2007	Guidelines for Gloveboxes Third Edition
EN 13001-1:2004+A1:2009	Cranes - General design - Part 1: General principles and requirements

R/H Equipment	
EN 13001-3-1:2012+A1:2013	Cranes - General Design - Part 3-1: Limit States and proof competence of steel structure
EN 13001-2:2011	Crane safety - General design - Part 2: Load actions
Directive 2006/42/EC	Machinery
NF M62-210	Limiting enclosures - Verification of the hourly leakage rate - Classes 1 and 2 - Method of measuring the increase in the oxygen concentration
NF M62-212	Limiting enclosures - Verification of the hourly leakage rate - Class 4
NF M62-213	Limiting enclosures - Verification of the hourly renewal rate - Class 5
NF M62-211	Limiting enclosures - Verification of the hourly leakage rate - Class 3
NF M62-200	Limiting enclosures - Classification of enclosures according to their sealing capacity
Standard equivalent to EN 1321	not given
Standard equivalent to EN ISO 9712	not given
Standard equivalent to EN ISO 17637	not given
Standard equivalent to EN ISO 4136	not given
Standard equivalent to EN ISO 9016	not given
not given	Electrical Design Handbook (EDH)
Standard equivalent to EN 1435	not given
Standard equivalent to EN ISO 5173	not given

R/H Equipment	
EN ISO 5817:2007	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
EN ISO 9015	Destructive tests on welds in metallic materials - Hardness testing
IEC 204-1:1992	Control system standards or JIS B 8433, 1993, Electrical equipment of industrial machines safety
ESP/ESPN	not given
EN ISO 17637	Non-destructive examination of fusion welds - Visual examination
EN ISO 9712	Non-destructive testing - Qualification and certification of NDT personnel
EN ISO 5173	Destructive tests on welds in metallic materials - Bend tests
EN ISO 9016	Destructive tests on welds in metallic materials - Impact tests - Test specimen location, notch orientation and examination
EN ISO 4136	Destructive tests on welds in metallic materials - Transverse tensile test
EN ISO 17640-1	Non-destructive testing - Ultrasonic examination - Part 1: General principles
EN ISO 15614-1:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
ISO 10218-1:2011	Robots and robotic devices - Safety requirements for industrial robots - Part 1: Robots
ITER Document	Guidance for EEE in Tokamak Complex
ITER Document	RAMx of SRD-23-05 (Neutral Beam Remote Handling System)
ITER Document	ITER Policy on EEE in Tokamak Complex
ITER Document	ITER Remote Maintenance Management System (IRMMS)
ITER Document	ITER Remote Handling Code of Practice
ASME NUM-1:2009	Rule for Construction of Crane, Monorails, and Hoists

R/H Equipment	
Directive 1973/23/EEC	Electrical equipment designed for use within certain voltage limits
EN 1435	Non-destructive testing of welds - Radiographic testing of welded joints
Directive 1989/336/EEC	Electromagnetic Compatibility (EMC)
EN ISO 15609-1	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding
EN 287-1:2011	Qualification test of welders - Fusion welding - Part 1: Steels
EN 571-1	Non-destructive testing - Penetrant testing - Part 1: General principles
EN 1418:1998	Welding personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN 1321	Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds
Standard equivalent to EN 1043-1	not given
Standard equivalent to EN 895	not given
RCC-MRx	Design and Construction Rules for mechanical components of nuclear installations: high-temperature, research and fusion reactors
Standard equivalent to EN 970	not given
Standard equivalent to EN 910	not given
Standard equivalent to EN 875	not given
Standard equivalent to EN 571-1	not given

R/H Equipment	
Standard equivalent to EN 473	not given
Standard equivalent to EN 1714	not given
EN ISO 17639	Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds
EN ISO 17638	Non-destructive testing of welds - Magnetic particle testing
EN ISO 17636	Non-destructive testing of welds - Radiographic testing
EN ISO 15614-1:2003	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
EN ISO 15614-1	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
IAEA NS G13	IAEA Safety Guide - Instrumentation and control systems important to safety in nuclear power plants
EN ISO 5817	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections
EN ISO 3452	Non-destructive testing. Penetrant testing
EN ISO 9606	Qualification test of welders - Fusion welding - Part1: Steels
IEC 60204-1:1992	Electrical equipment of industrial machines
EN ISO 14732	Welding Personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN ISO 17640	Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment
EN ISO 6520-1	Welding and allied processes. Classification of geometric imperfections in metallic materials. Fusion welding
IEC 60331	Tests for electric cables under fire conditions - Circuit integrity

R/H Equipment	
IEC 61000	Electromagnetic compatibility (EMC)
IEC 61158	Industrial communication networks - Fieldbus specifications
IEC 60709	Nuclear power plants - Instrumentation, control and electrical power systems important to safety - Separation
IEC 61069	Industrial-process measurement and control. Evaluation of system properties for the purpose of system assessment
IEC61000-4-8	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
IEEE 802.3	Standard for Ethernet based LANs
IEEE 61850	Standards applicable to Power Station I&C components
ISO 12207	Systems and software engineering
IEC ISO 62061	Safety of machinery - Functional safety of safety-related control systems
ISA-5.1-1984(R1992)	Instrumentation symbols and identification
IEC 61513	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems
IEC 62138	Nuclear power plants. Instrumentation and control for systems important to safety - Software aspects for computer-based systems performing category B and C functions
IEC 61508	Functional safety of electrical/electronic/programmable electronic safety-related systems
IEC 61511	Functional safety - Safety instrumented systems for the process industry sector
IEC 62402	Obsolescence management
ISO 10218-2:2011	Robots and robotic devices - Safety requirements for industrial robots - Part 2: Robot systems and integration

R/H Equipment	
ITER Document	Electrical Design Handbook
ITER Document	Electrical Design Handbook (EDH)
ITER Document	List of best practice standards for remotely operated hot cell equipment. (PBS23.06)
ITER Document	RH Control System Design Handbook v3
ITER Document	CODAC Instrumentation and Control Design Handbook
ASME NUM-1:2016	Rule for Construction of Crane, Monorails, and Hoists
Arrêté ESPN:2015	Arrêté du 30 décembre 2015 relatif aux équipements sous pression nucléaires
EN 13001-3-1/+A1:2013	Cranes - General design - Part 3-1: limit states and proof of competence of steel structures
EN 1043-1	Hardness tests on arc welded joints
EN 287-1:2004	Qualification test of welders - Fusion welding - Part 1: Steels
EN ISO 15607	Specification and qualification of welding procedures for metallic materials - General rules
EN 10204:2004	Metallic products. Type of inspection documents
EN 13001-1/+A1:2009	Cranes - General design - Part 1: General principles and requirements
EN 1993-1-1	Eurocode 3 - Design of steel structures - Part 1-1: general rules and rules for buildings
EN 895	Destructive tests on welds in metallic materials -Transverse tensile tests,
EN 910	Destructive tests on welds in metallic materials. Bend tests
EN 1714	Non-destructive testing of welds - Ultrasonic testing of welded joints
EN 970	Non destructive examination of fusion welds. Visual examination
EN 473	Non-destructive testing - Qualification and certification of NDT personnel

R/H Equipment	
EN 875	Destructive tests on welds in metallic materials-Impact test
NF C 32-070 ESSAI CR1	Four, transformateur variable et armoire électrique

3.28 Site General Infrastructure

Site General Infrastructure	
XP P 94-063	Contrôle de la qualité du compactage-méthode au penetrometer dynamique à énergie constante
XP P18-545	Granulats - Eléments de définition, conformation et codification
XP P18-305	Béton, béton prêt à l'emploi
XP P 94-110	Essai pressiométrique Ménard
XP P 94-105	Contrôle de la qualité du compactage - méthode au pénétromètre dynamique à énergie variable
XP P98-772-1	Matériels de construction et d'entretien des routes. Module d'acquisition de données pour les centrales de fabrication de mélanges granulaires. Description et spécification fonctionnelle Module pour la fabrication en continu etc
XP P98-137	Bétons bitumineux très minces (BBTM)
Eurocode 7 (EC7) (EN 1997)	Geotechnical design
Eurocode 1 (EC1) (EN 1991)	Actions on structures
Eurocode 3 (EC3) (EN 1993)	Eurocode 3 - Design of steel structures
Eurocode 4 (EC4) (EN 1994)	Design of composite steel and concrete structures
Eurocode 8 (EC8) (EN 1998)	Design of structures for earthquake resistance
IEC 60157	Low voltage switchgear and control gear
IEC 60158	Low voltage control gear

Site General Infrastructure	
Eurocode NA	Eurocode National Annex
Euronorms	Euronorms
Eurocode 2 (EC2) (EN 1992)	Eurocode 2 - Design of concrete structures
IEC 60068-3-3	Environmental testing - Part 3-3: Supporting documentation and guidance - Seismic test methods for equipment
Eurocode	not given
IEC 61000	Electromagnetic compatibility (EMC)
IEC 60364	Low-voltage electrical installations
IEC 60529	Degrees of protection provided by enclosures (IP code)
IEEE 693	IEEE Recommended Practice for Seismic Design of Substations
ITER Document	CAD Manual
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part1: Design Criteria
ITER Document	Plant Control Design Handbook
ITER Document	Load Specifications (LS)
ITER Document	EDH Part 3: Codes & Standards
NF C 15-100	Low-voltage electrical installations
ITER Document	ITER Fire Safety Approach

Site General Infrastructure	
NF C 12-101	Statutory regulations for the protection of workers in premises which make use of electric currents (D)
NF A91-122	Revêtements métalliques - Produits finis en acier galvanisé à chaud - Recommandations relatives à la conception et à l'utilisation des produits galvanisés
ITER Document	EDH Guide B: Electrical Installations for PPEN Systems
ITER Document	EDH Part 1: Introduction
ITER Document	ITER Site and Buildings - General Loads Specification for Structural Works - Buildings Without Safety Requirements
ITER Document	EDH Part 5: Earthing and Lightning Protection
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	CODAC Conceptual Design
ITER Document	Electrical Design Handbook (EDH)
ITER Document	EDH Guide A: Electrical Installations for SSEN Client Systems
ITER Document	EDH Part 2: Terminology & Acronyms
ITER Document	EDH Guide C: Electrical Installations for EPS Client Systems
EN 40	Candélabres d'éclairage public avec marquage «CE»
EN 12464-2	Light and lighting - Lighting of workplaces - Part 2: Outdoor work places
DTU edited by CSTB	not given

Site General Infrastructure	
NF P98-234-2	Essais relatifs aux chaussées. Comportement au gel. Partie 2: essai de gonflement au gel des sols et matériaux granulaires traités ou non de D ≤à 20 mm
NF P98-231-3	Essais relatifs aux chaussées. Comportement au compactage des matériaux autres que traités aux liants hydrocarbonés. Partie 3: détermination de la masse volumique maximale de référence et de la difficulté de compactage par essai de vibrocompression à para
NF EN 1991-1-2	Eurocode 1 - Actions on structures - Part 1-2: general actions - Actions on structures exposed to fire
NF EN 1992-1-1	Eurocode 2 - design of concrete structures - Part 1-1: general rules and rules for buildings
NF EN 1990-2	Eurocode 0 - Basis of Structural Design - French National Annexes - Part 2
NF P98-331	Chaussées et dépendances, tranchées: ouverture, remblayage, réfection
NF P98-601	Signalisation routière horizontale - Marquage appliqués sur chaussée - Performances
NF P98-701	Matériels pour la construction et l'entretien des routes. Centrales de traitement de matériaux. Terminologie et performances
NF EN 1991-1-1	Eurocode 1 - Actions on structures - Part 1-1: general actions - Densities, self weight, imposed loads for buildings
NF EN 1991-1-3	Eurocode 1 - Actions on structures - Part 1-3: general actions - Snow loads
NF P98-231-2	Essais relatifs aux chaussées. Comportement au compactage des matériaux autres que traités aux liants hydrocarbonés. Partie 2: essais de compactage à la presse à cisaillement (PCG)
NF P98-107	Assises de chaussées. Activation du laitier vitrifié. Définition, caractéristiques et Spécifications
NF EN 1610 (NF P16-125)	Mise en oeuvre et essais des branchements et collecteurs d'assainissement
NF P98-124	Assises de chaussées. Cendres volantes - chaux - gypse. Définition, composition, classification

Site General Infrastructure	
NF P98-116	Assises de chaussées, grave-ciment, définitions, compositions, classification
NF P98-114-2	Assises de chaussées. Méthodologie d'études en laboratoire des matériaux traités aux liants hydrauliques. Partie 2: sables traités aux liants hydrauliques
NF P98-114-1	Assises de chaussées. Méthodologie d'études en laboratoire des matériaux traités aux liants hydrauliques. Partie 1: graves traitées aux liants hydrauliques
NF P98-113	Assises de chaussées, sables traités aux liants hydrauliques et pouzzolaniques, définitions, composition, classification
NF P98-145	Enrobés hydrocarbonés, asphaltes coulés pour trottoirs et pour couches de roulement de chaussées, définitions, classification, caractéristiques, fabrication, mise en oeuvre
NF P98-110	Assises de chaussées, cendres volantes silico-alumineuses, définitions
NF P98-130	Bétons bitumineux semi- grenus (BBSG)
NF P98-106	Assises de chaussées. Laitiers de haut fourneau vitrifiés (granulés ou bouletés). Définitions, caractéristiques et spécifications
NF P98-105	Assises de chaussées, fabrication en continu des mélanges, contrôle de fabrication des graves et sables traités aux liants hydrauliques ou non traités en centrale de malaxage continue
NF P98-103	Assises de chaussées. Pouzzolanes. Spécifications
NF P98-101	Assises de chaussées. Chaux aérienne calcique pour sols et routes. Spécifications
NF P98-082	Chaussées - Terrassements - Dimensionnement des chaussées routières. Détermination des trafics routiers pour le dimensionnement des structures de Chaussées
NF EN 14396	Échelles fixes pour les regards de visite
NF P98-112	Assises de chaussées. Cendres volantes hydrauliques. Définitions, Spécifications
NF P98-141	Bétons bitumineux à module élevé (BBME)

Site General Infrastructure	
NF EN 1990 A1	Eurocode 0 - Basis of Structural Design - French National Annexes
NF EN 197-1/A1	Ciment - Partie 1: composition, spécifications et critères de conformité des ciments courants
NF EN 197-1	Ciment - Partie 1: composition, spécifications et critères de conformité des ciments courants
NF P98-170	Chaussées en béton de ciment, exécution et contrôle
NF P98-125	Assises de chaussées. Graves non traitées. Méthodologie d'études en laboratoire
NF P98-128	Assises de chaussées. Bétons compactés routiers et graves traitées aux liants. hydrauliques et pouzzolaniques à hautes performances. Définition, composition, classification
NF EN 858-1	Installations de séparation de liquides légers (par exemple hydrocarbures) - Partie 1: principes pour la conception, les performances et les essais, le marquage et la maîtrise de la qualité
NF P98-140	Enrobés à module élevé (EME)
NF P98-138	Graves bitume (GB)
NF P98-136	Bétons bitumineux pour couches de surface de chaussées souples à faible trafic (BBS)
NF P98-134	Bétons bitumineux drainants (BBDr)
NF P98-133	Bétons bitumineux cloutés (BBC)
NF P98-132	Bétons bitumineux minces (BBM)
RCC-E	Design and construction rules for electrical equipment of nuclear islands
NF P98-200	Essais relatifs aux chaussées - Mesure de la déflexion engendrée par une charge roulante
NF P98-150	Enrobés hydrocarbonés, exécution de corps de chaussée, couches de liaison et couches de roulement, constituants, composition des mélanges, exécution et contrôle

Site General Infrastructure	
NF EN 1996-2	Eurocode 6 - Design of masonry structures - Part 2: design considerations, selection of materials and execution of masonry
NF EN 1994-1-1	Eurocode 4 - Design of composite steel and concrete structures - Part 1-1: general rules and rules for buildings
NF EN 1097-5	Essais pour déterminer les caractéristiques mécaniques et physiques des granulats - Partie 5: Teneur en eau par séchage
NF EN 476 (NF P16-100)	Prescriptions générales pour les composants utilisés dans les réseaux d'évacuation, de branchement et d'assainissement à écoulement libre
NF C 17-200	External electrical installations
NF C 17-100	Protection of structures against lightning
NF EN 1994-1-2	Eurocode 4 - Design of composite steel and concrete structures - Part 1-2: General rules - Structural fire design
NF EN 1097-6	Essais pour déterminer les caractéristiques mécaniques et physiques des granulats - Partie 6: Masse volumique réelle
NF P98-771	Matériels de construction et d'entretien des routes. Matériels d'aide à la conduite et de contrôle embarqués sur les compacteurs. Terminologie, classification
NF EN 1993-1-2	Eurocode 3 - Design of steel structures - Part 1-2: general rules - Structural fire design
NF EN 1998-5	Eurocode 8 - Design of structures for earthquake resistance - Part 5: foundations, retaining structures and geotechnical aspects
Normes AFNOR	not given
NF EN 206-1	Concrete - Part 1: Specification, performance, production and conformity
NF XP P16-441	Débourbeur, séparateur de liquides légers et appareil combiné métallique
NF C 15-106	High and low-voltage electrical installations. Cross sections of protective conductors, earthing conductors and equipotential bonding conductors

Site General Infrastructure	
NF EN 1998-3	Eurocode 8 - design of structures for earthquake resistance - Part 3: assessment and retrofitting of buildings
NF EN 1998-1	Eurocode 8 - Design of structures for earthquake resistance - Part 1: general rules, seismic actions and rules for buildings
NF EN 752-4 (NF P16-150-4)	Réseaux d'évacuation et d'assainissement à l'extérieur des bâtiments - Partie 4 - Conception hydraulique et considérations liées à l'environnement
NF EN 752-5 (NF P16-150-5)	Réseaux d'évacuation et d'assainissement à l'extérieur des bâtiments - Partie 5 - Réhabilitation
NF EN 1993-1-8	Eurocode 3 - design of steel structures - Part 1-8: design of joints
NF P98-100	Assises de chaussées. Eaux pour assises. Classification
NF EN 752-3 (NF P16-150-3)	Réseaux d'évacuation et d'assainissement à l'extérieur des bâtiments - Partie 3 - Établissement de l'avant-projet
NF EN 14227	Mélanges traités aux liants hydrauliques, specifications Partie 1-3 & 5
NF EN 1993-1-1	Eurocode 3 - Design of steel structures - Part 1-1: general rules and rules for buildings
NF EN 1992-1-2	Eurocode 2 - Design of concrete structures - Part 1-2: General rules - Structural fire design
NF EN 858-2	Installations de séparation de liquides légers (par exemple hydrocarbures) - Partie 2: choix des tailles nominales, installation, service et entretien
NF P98-744-5	Matériels de construction et d'entretien des routes. Calibrage et vérification des réglages sur chantier des doseurs continus des centrales de production de matériaux. Partie 5: doseur pondéral à pulvérulents. Essai par pesée matière
NF EN 1993-1-9	Eurocode 3 - design of steel structures - Part 1-9: fatigue

Site General Infrastructure	
NF P98-744-4	Matériels de construction et d'entretien des routes. Calibrage et vérification des réglages sur chantier des doseurs continus des centrales de production de matériaux. Partie 4: doseur pondéral à pulvérulents. Essai par prélèvement sur courroie
NF P98-744-3	Matériels de construction et d'entretien des routes. Calibrage et vérification des réglages sur chantier des doseurs continus des centrales de production de matériaux. Partie 3: doseur volumétrique à granulats
NF P98-744-2	Matériels de construction et d'entretien des routes. Calibrage et vérification des réglages sur chantier des doseurs continus des centrales de production de matériaux. Partie 2: doseur pondéral à granulats
NF P98-711	Matériel pour la construction et l'entretien des routes, traitement en place ou retraitement: matériels de préparation des sols et stockage des liants pulvérulents, terminologie
NF EN 752:2008 (NF P16-150)	Réseaux d'évacuation et d'assainissement à l'extérieur des bâtiments
NF EN 752-1 (NF P16-150-1)	Réseaux d'évacuation et d'assainissement à l'extérieur des bâtiments - Partie 1 - Généralités et définitions
NF EN 752-2 (NF P16-150-2)	Réseaux d'évacuation et d'assainissement à l'extérieur des bâtiments - Partie 2 - Prescriptions de performances
NF P98-736	Matériel de construction et d'entretien des routes. Compacteurs. Classification
NF EN 1295-1 (NF P16-120)	Calcul de résistance mécanique des canalisations enterrées sous diverses conditions de charge - Partie 1 - Prescriptions générales
NF EN 12620	Granulats pour béton
NF P 94-117	Portance des plates-formes - Essai de pénétration à la plaque
NF P18-576	Granulats. Mesure du coefficient de friabilité des sables
NF P 94-156	Mesures à l'inclinomètre
NF P 94-210	Renforcement des sols. Généralités et terminologie

Site General Infrastructure	
NF P 94-115	Essai de pénétration dynamique type B
NF P 98-331	Chaussées et Dépendances - Tranchées: ouverture, remblayage, réfection
NF P 94-114	Essai de pénétration dynamique type A
NF P 98-332	Chaussées et Dépendances: règles de distance entre les réseaux enterrés et règles de voisinage entres les réseaux et les végétaux
NF EN 1367-1	Essais pour déterminer les propriétés thermiques et l'altérabilité des granulats (partie 1: résistance au gel/dégel)
NF EN 13242	Granulats pour matériaux traités aux liants hydrauliques et matériaux non traités utilisés pour les travaux de génie civil…
NF P 94-078	Sols: Reconnaissance et essais – Indice CBR après immersion – Indice CBR immédiat – Indice Portant Immédiat – Mesure sur échantillon compacté dans le moule CBR
NF EN 13286-45	Mélanges traités et mélanges non traités aux liants hydrauliques. Partie 45: méthodes d'essai pour la détermination du délai de maniabilité
NF EN 13285	Grave non traitées, spécifications
NF P 11-300	Exécution des terrassements - classification des matériaux utilisables dans la construction des remblais et des couches de forme d'infrastructures routières
NF EN 13508-2	Condition des réseaux d'évacuation et d'assainissement à l'extérieur des bâtiments - Partie 2: système de codage de l'inspection visuelle
NF P 94-116	Essai de pénétration au carottier
NF EN 12591	Bitumes et liants bitumineux, spécifications des bitumes routiers
NF P 94-093	Sols: reconnaissance et essais - Détermination des références de compactage d'un matériau - Essai Proctor normal. Essai Proctor modifié
NF EN 13508-1	État des réseaux d'évacuation et d'assainissement à l'extérieur des bâtiments - Partie 1: exigences générales
NF EN 13043	Granulats pour mélanges hydrocarbonés et pour enduits superficiels utilisés dans la construction des chaussées, aérodromes…

Site General Infrastructure	
NF P 94-113	Essai de pénétration statique
NF P16-346-2	Regards de visite et boîtes de branchement ou d'inspection en béton non armé, béton fibré acier et béton armé - Partie 2: Complément à NF EN 1917 (P16-346-1)
NF P15-108	Liants hydrauliques, liants hydrauliques routiers, composition, spécifications et critères de conformité
NF P 98-736	Matériels de construction et d'entretien des routes - compacteurs - classification
NF P 98-713	Qualification du matériel routier - Méthode d’essais des performances des matériels de compactage
NF P06-002	not given
NF P16-401	Canalisations - Sections intérieures des égouts ovoïdes
NF P 98-705	Matériel de construction et d’entretien des routes: Compacteurs - Terminologie et spécifications commerciales

3.29 Steady State Electrical Network

Steady State Electrical Network	
UTE C63-429	Ensembles d'appareillage à basse tension indice de service
IEC 60038	IEC standard voltages
IEC	not given
IEC 60709	Nuclear power plants - Instrumentation, control and electrical power systems important to safety - Separation
IEC 61000-4-14	Electromagnetic compatibility (EMC) - Part 4-14: Testing and measurement techniques - Voltage fluctuation immunity test
IEC 61000-2-4	Electromagnetic compatibility (EMC) - Part 2-4: Environment - Compatibility levels in industrial plants for low-frequency conducted disturbances
IEC 61249-2-21	Materials for printed boards and other interconnecting structures - Part 2-21: Reinforced base materials, clad and unclad - Non-halogenated epoxide woven E-glass reinforced laminated sheets of defined flammability (vertical burning test), copper-clad
IEC 60331	Tests for electric cables under fire conditions - Circuit integrity
IEC 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase
IEC 60815	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions
IEC 61034	Measurement of smoke density of cables burning under defined conditions
IEC 60754-1	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content
IEC 60332-3	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 61000-4-17	Electromagnetic compatibility (EMC) - Part 4-17: Testing and measurement techniques - Ripple on d.c. input power port immunity test
IEC 60364	Low-voltage electrical installations

Steady State Electrical Network	
IEC 61850	Communication networks and systems in substations
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)
ITER Document	EDH Part 3: Codes & Standards
ITER Document	Preliminary Safety Report
ITER Document	Operations Handbook
NF C 13-200	High voltage electrical installations for electrical energy production sites, industrial, commercial and agricultural sites
NF C 15-100	Low-voltage electrical installations
ITER Document	Plant Control Design Handbook
RCC-E	Design and construction rules for electrical equipment of nuclear islands
NF C 32-070	Insulated cables and flexible cords for installations - Classification tests on cables and cords with respect to their behaviour to fire

3.30 Steel Frame Buildings

Steel Frame Buildings	
European and French design codes and standards	European and French design codes and standards
IEC 61000	Electromagnetic compatibility (EMC)
IEC 60364	Low-voltage electrical installations
IEC 60309-1	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes - Part 1: General requirements
IEC 60309-2	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes - Part 2: Dimensional compatibility requirements for pin and contact-tube accessories
IEC 60332-3	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 60754-1	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content
IEC 60754-2	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 62305-1	Protection against lightning - Part 1: General principles
IEC 62305-5	Protection against lightning - Part 45: Services
IEC 62305-2	Protection against lightning - Part 2: Risk management
IEC 62305-3	Protection against lightning - Part 3: Physical damage to structures and life hazard
IEC 62305-4	Protection against lightning - Part 4: Electrical and electronic systems within structures
ITER Document	Electrical Design Handbook (EDH)
ITER Document	Load Specifications (LS)
ITER Document	Plant Control Design Handbook

Steel Frame Buildings	
ITER Document	ITER Seismic Nuclear Safety Approach
ITER Document	Computer Aided Design Handbook (CAD)
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part1: Design Criteria
ITER Document	ITER Site and Buildings - General Loads Specification for Structural Works - Buildings Without Safety Requirements
NF C 15-100	Low-voltage electrical installations
ITER Document	Load Specifications for Buildings with Safety Requirements
ITER Document	Safety Requirements for ITER Facility Buildings
ITER Document	ITER Fire Safety Approach
NF C 32-070	Insulated cables and flexible cords for installations - Classification tests on cables and cords with respect to their behaviour to fire
NF C 32-323	Insulated cables and flexible cords for installations. Halogen-free 0,6/1 kv cables with improved characteristics in the case of fire, type C1, with cross-linked synthetic insulation and with extruded synthetic protective sheath

3.31 Test Blanket System

Test Blanket System	
Steel Construction Manual (14th edition)	Steel Construction Manual 14th edition
Welding Research Council Bulletin 353	Position Paper on Nuclear Plant Pipe Supports
NUREG 0800 Standard Review Plan 3.6.2:2007	Determination of Rupture Locations and Dynamic Effects associated with the postulated rupture of piping
NRC Regulatory Guide 1.92 - Rev. 2	Combining Modal Responses and Spatial Components in Seismic Response Analysis
NRC Standards Review Plan, Branch 3-4 Rev.2	Postulated Rupture Locations in Fluid system piping Inside and Outside Containment
NUREG 0800 Standard Review Plan 3.6.2	Determination of Rupture Locations and Dynamic Effects associated with the postulated rupture of piping
RCC-MR	Rules for design and construction of fast breeder liquid metal cooled reactors
EN ISO 4063:2010	Welding and allied processes. Nomenclature of processes and reference numbers
EN ISO 898-1:2009	Mechanical properties of fasteners made of carbon steel and alloy steel - Part 1
EN ISO 1127	Stainless steel tubes - Dimensions, tolerances and conventional masses per unit length
EN ISO 12241	Thermal insulation for building equipment and industrial installations - Calculation rules
EN ISO 1127:1996	Stainless steel tubes - Dimensions, tolerances and conventional masses per unit length
EN ISO 5817:2007	Welding - Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections

Test Blanket System	
EN ISO 15613:2004	Specification and qualification of welding procedures for metallic materials - Qualification based on pre-production welding test
EN ISO 17635:2012	Non-destructive examination of welds. General rules for metallic materials
EN ISO 8501-1	Preparation of steel substrates before application of paints and related products - Visual assessment of surface cleanliness - Part 1: rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal previous c
EN ISO 17640:2010	Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment
EN ISO 3834-3:2005	Quality requirements for fusion welding of metallic materials - Part 3: Standard quality requirements
EN ISO 3506-2:1997	Mechanical properties of corrosion-resistant stainless steel fasteners - Part 2
EN ISO 3506-1:1997	Mechanical properties of corrosion-resistant stainless steel fasteners - Part 1
EN ISO 17663:2009	Welding - Quality requirements for heat treatment in connection with welding and allied processes
EN ISO 15614-1:2004	Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys
EN ISO 15609-4	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 4: Laser beam welding
EN ISO 2566-1:1999	Steel - Conversion of elongation values - Part 1
EN ISO 14343:2007	Welding consumables - Wire electrodes, strip electrodes, wires and rods for
EN ISO 14731	Welding coordination - Tasks and responsibilities

Test Blanket System	
EN ISO 148-1:2010	Metallic materials - Charpy pendulum impact test - Part 1: Test method
EN ISO 2566-2:1999	Steel - Conversion of elongation values - Part 2
EN ISO 15609-2	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 2: Gas welding
EN ISO 15609-3	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 3: Electron beam welding
EN ISO 9692-2	Welding and allied processes. Joint preparation. Part 2: Submerged arc welding of steels
EN ISO 15609-5	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 5: Resistance welding
EN ISO 9712:2007	Non-destructive testing - Qualification and certification of NDT personnel
EN ISO 9692-3	Welding and allied processes - Types of joint preparation - Part 3: metal inert gas welding and tungsten inert gas welding of aluminium and its alloys
EN ISO 15612:2004	Specification and qualification of welding procedures for metallic materials - Qualification by adoption of a standard welding procedure
EN ISO 15611:2003	Specification and qualification of welding procedures for metallic materials - Qualification based on previous welding experience
EN ISO 15610:2003	Specification and qualification of welding procedures for metallic materials - Qualification based on tested welding consumables
ISO 15348	Pipework - Metal bellows expansion joints - General
ISO 3057:1998	Non-destructive testing - Metallographic replica techniques of surface examination

Test Blanket System	
ISO 11933-3:1998	Components for containment enclosures - Part 3: Transfer systems such as plain doors, airlock chambers, double door transfer systems, leaktight connections for waste drums
ISO 10648-2:1994	Containment enclosures - Part 2: classification according to leak tightness and associated checking methods
ISO 9692-1	Welding and allied processes - Types of joint preparation - Part 1: manual metal-arc welding, gas-shielded metal-arc welding, gas welding, TIG welding and beam welding of steels
ITER Document	EEE Nuclear Radiation Compatibility Handbook
ITER Document	Tritium Handbook
ITER Document	Electrical Design Handbook (EDH)
MSS SP-58	Pipe Hangers and supports
MSS SP-97	Integrally Reinforced Forged Branch Outlet Fittings - Socket Welding, Threaded and Buttwelding Ends
MSS SP-97:2006	Integrally Reinforced Forged Branch Outlet Fittings - Socket Welding, Threaded and Buttwelding Ends
MSS-SP-58	Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation
ITER Document	EDH Part 3: Codes & Standards
ITER Document	Operations Handbook - 2 Operational States
KTA-3601:2005	Ventilation Systems in Nuclear Power Plants
ITER Document	ITER Dimensional Metrology Handbook
ITER Document	Material Properties Handbook (MPH)
ITER Document	Plant Control Design Handbook
ITER Document	ITER Vacuum Handbook
ITER Document	Codes and Standards for ITER Mechanical Components

Test Blanket System	
ITER Document	ITER Structural Design Code for Buildings (I-SDCB) - Part1: Design Criteria
ASME BPVC Sec. III Div. 1	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components, Division 1
ASME B36.19M:2004	Stainless Steel Pipes
ASME B36.19M	Stainless steel pipes
ASME B16.34	Valves - Flanged, Threaded and Welding End
ANSI/AWS D1.1-2015	Structural Welding Code - Steel
ASME BPVC - Edition 2017	ASME Boiler and Pressure Vessel Code (BPVC)
ASME B16.5	Pipe Flanges & Flanged Fittings
ASME BPVC Sec. II - Edition 2015	ASME Boiler and Pressure Vessel Code (BPVC) - Section II - Materials
ASME BPVC Sec. III Div. 1 - Edition 2015	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components, Division 1
ASME B16.34:2013	Valves - Flanged, Threaded and Welding End
AGS-G1-2007	Guideline for gloveboxes
ASME B31	Pressure piping
ASME B31:2014	Pressure piping
ASME B16.9	Factory Made Wrought Steel Buttwelding Fittings
ANSI/AISC N690	Specification for Safety-Related Steel Structures for Nuclear Facilities
ASTM series	all, as referenced in the ASME B31.3 eddition 2014
AWS 5.1	Specification for Carbon Steel Covered Arc Welding Electrodes
ASME B16.9:2012	Factory Made Wrought Steel Buttwelding Fittings

Test Blanket System	
ASME AG1:2012	Code on nuclear air and gas treatment
AWS D1.1/D1.1M	Structural Welding Code
ANSI/ANS-58.2-1988	Technical Design Basis for Protection of light water nuclear power plant against the effects of postulated pipe rupture
ANSI/AISC N690-12	Specification for Safety-Related Steel Structures for Nuclear Facilities
ANSI/ANS-58.2	Technical Design Basis for Protection of light water nuclear power plant against the effects of postulated pipe rupture
EN 10253-4:2007	Butt-welding pipe fittings. Part 4 Wrought austenitic and austenitic-ferritic (duplex) stainless steels with specific inspection requirements
EN 10220:2002	Seamless and welded steel tubes - Dimensions and masses per unit length
EN 1418:1997	Welding personnel - Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials
EN 10216-5:2004	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 13445-5:2014	Unfired pressure vessels - Part 5: Inspection and testing
EN 10220	Seamless and welded steel tubes - Dimensions and masses per unit length
AWS D1.1/D1.1M:2008	Structural Welding Code
EN 10219-2	Cold formed welded steel structural hollow sections - Part 2: tolerances, dimensions and sectional properties
EN ISO 15609-1	Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding
EN 10222-5:2000	Steel forgings for pressure purposes - Part 5: Martensitic, austenitic and austenitic-ferritic stainless steels

Test Blanket System	
EN 10219-1	Cold formed welded structural hollow sections of non-alloy and fine grain steels - Part 1: technical delivery requirements
EN 10222-5	Steel forgings for pressure purposes - Part 5: Martensitic, austenitic and austenitic-ferritic stainless steels
EN 10222-1:1998+A1:2002	Steel forgings for pressure purposes - Part 1: General requirements for open die forgings
EN 10222-2:2000	Steel forgings for pressure purposes - Part 2: ferritic and martensitic steels with specified elevated temperatures properties
EN 10219-1:2006	Cold formed welded structural hollow sections of non-alloy and fine grain steels - Part 1: technical delivery requirements
CEN/TS 1591-4	Flanges and their joints - Design rules for gasketed circular flange connections - Part 4: Qualification of personnel competency in the assembly of bolted joint fitted to the Pressure Equipment Directive
CEN ISO/TR 15608:2005	Welding - Guidelines for a metallic materials grouping system (ISO/TR 15608: 2005)
EN 1708-1	Welding - Basic welded joint details in steel - Part 1: Pressurized components
EN 1993-1-2	Eurocode 3 - Design of steel structures - Part 1-2: General rules - Structural fire design
EN 1993-1-8	Eurocode 3 - Design of steel structures - Part 1-8: Design of joints
EN 10088-2	Stainless steels - Part 2: Technical delivery conditions for corrosion-resistant steel sheet and strip for general use
EN 1993-1-1	Eurocode 3 - Design of steel structures - Part 1-1: general rules and rules for buildings
EN 10272:2007	Stainless steel bars for pressure purposes
EN 1993-1-4:2007	Eurocode 3 - Design of steel structures - Part 1-4: General rules - Supplementary rules for stainless steels

Test Blanket System	
EN 1993-1-1:2005	Eurocode 3 - Design of steel structures - Part 1-1: general rules and rules for buildings
EN 1993-1-4:2005	Eurocode 3 - Design of steel structures - Part 1-4: General rules - Supplementary rules for stainless steels
EN 1993-1-4	Eurocode 3 - Design of steel structures - Part 1-4: General rules - Supplementary rules for stainless steels
EN 10002-1:2001	Metallic materials - Tensile testing - Part 1: Method of test at ambient temperature
EN 1993-1-2:2005	Eurocode 3 - Design of steel structures - Part 1-2: General rules - Structural fire design
EN 1993-1-3	Eurocode 3 - Design of steel structures - Part 1-3: General rules - Supplementary rules for cold-formed members and sheeting
EN 1011-3	Welding - Recommendations for welding of metallic materials - Part 3: Arc welding of stainless steels
EN 1011-2	Welding - Recommendations for welding of metallic materials - Part 2: Arc welding of ferritic steel
EN 10088-3:2014	Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes
EN 10088-3	Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes
EN 1993-1-3:2006	Eurocode 3 - Design of steel structures - Part 1-3: General rules - Supplementary rules for cold-formed members and sheeting
EN 1011-1	Welding - Recommendations for welding of metallic materials - Part 1: general guidance for arc welding
EN 10210-2:2006	Hot-finished structural hollow sections of steel - Part 2: Tolerances, dimensions and sectional properties
EN 10079:1992	Definition of steel products

Test Blanket System	
EN 10210-2	Hot-finished structural hollow sections of steel - Part 2: Tolerances, dimensions and sectional properties
EN 764-4:2002	Pressure equipment - Part 4: Establishment of technical delivery conditions for metallic materials
EN 10210-1	Hot finished structural hollow sections of non-alloy and fine grain steels - Part 1: Technical delivery conditions
EN 1507:2006	Ventilation for buildings - Sheet metal air ducts with rectangular section - Requirements for strength and leakage
EN 10025-2	Hot rolled products of structural steels - Part 2: technical delivery conditions for non-alloy structural steels
EN 1514	Flanges and their joints - Dimensions of gaskets for PN-designated flanges
EN 10216-2:2002+A2:2007	Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 2: Non-alloy and alloy steel tubes with specified elevated temperature properties
EN 15242:2007	Ventilation for buildings - Calculation methods for the determination of air flow rates in buildings including infiltration
EN 1993-1-8:2005	Eurocode 3 - Design of steel structures - Part 1-8: Design of joints
EN 10216-5	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 764-5:2002	Pressure equipment - Part 5: Compliance and Inspection Documentation of Materials
EN 10028-7	Flat products made of steels for pressure purposes - Part 7: Stainless steels
EN 14239:2004	Ventilation for buildings - Ductwork - Measurement of ductwork surface area
EN 10204:2004	Metallic products. Type of inspection documents

Test Blanket System	
EN 10028-7:2007	Flat products made of steels for pressure purposes - Part 7: Stainless steels
EN 14917:2009+A1:2012	Metal bellows expansion joints for pressure applications
EN 10028-1:2007+A1:2009+AC:2009	Flat products made of steels for pressure purposes - Part 1: General requirements
EN 764-3:2002	Pressure equipment - Terminology Part 3: Definition of parties involved
EN 10025-2:2004	Hot rolled products of structural steels - Part 2: technical delivery conditions for non-alloy structural steels
EN 12516-3	Industrial valves - Shell design strength - Part 3: Experimental method
EN 13480-4	Metallic industrial piping - Part 4: Fabrication and installation
EN 13480-5	Metallic industrial piping - Part 5: Inspection and testing
EN 13480-6	Metallic industrial piping - Part 6: Additional requirements for buried piping
EN 13480-7	Metallic industrial piping - Part 7: Guidance on the use of conformity assessment procedures
EN 12952-5	Water-tube boilers and auxiliary installations - Part 5: Workmanship and construction of pressure parts of the boiler
EN 1092-1	Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 1: Steel flanges
EN 12516-3:2002	Industrial valves - Shell design strength - Part 3: Experimental method
EN 13480-3	Metallic industrial piping - Part 3: Design and calculation
EN 12516-2:2014	Industrial valves - Shell design strength - Part 2: calculation methods for steel valve shells

Test Blanket System	
EN 20898-2:1993	Mechanical properties of fasteners - Part 2: nuts with specified proof load values. Coarse thread
EN 12516-2	Industrial valves - Shell design strength - Part 2: calculation methods for steel valve shells
EN 12516-1:2014	Industrial valves - Shell design strength - Part 1: tabulation method for steel valve shells
EN 12516-1	Industrial valves - Shell design strength - Part 1: tabulation method for steel valve shells
EN 12074:1999	Welding consumables - Quality requirements for manufacture, supply and distribution of consumables for welding and allied processes
EN 1092-1:2007+A1:2013+AC:2014	Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 1: Steel flanges
EN 1092-1:2007	Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 1: Steel flanges
EN 13555	Flanges and their joints - Gasket parameters and test procedures relevant to the design rules for gasketed circular flange connections
EN 13479:2004	Welding consumables - General product standard for filler metals and fluxes for fusion welding of metallic materials
EN 287-1:2011	Qualification test of welders - Fusion welding - Part 1: Steels
EN 13445-4:2014	Unfired pressure vessels - Part 4: Fabrication
EN 3506-1	Mechanical properties of corrosion-resistant stainless steel fasteners - Part 1: bolts, screws and studs
EN 3506-1:2009	Mechanical properties of corrosion-resistant stainless steel fasteners - Part 1: Bolts, screws and studs
EN 3506-2	Mechanical properties of corrosion-resistant stainless steel fasteners - Part 2: nuts
EN 3506-2:2009	Mechanical properties of corrosion-resistant stainless steel fasteners - Part 2: Nuts

Test Blanket System	
EN 13445-3:2015	Unfired pressure vessels - Part 3: Design
EN 13445-3	Unfired pressure vessels - Part 3: Design
EN 13445-2:2015	Unfired pressure vessels - Part 2: Materials
EN 13445-2	Unfired pressure vessels - Part 2: Materials
EN 13445-1	Unfired pressure vessels - Part 1: General
EN 13445-5	Unfired pressure vessels - Part 5: Inspection and testing
EN 13445-4	Unfired pressure vessels - Part 4: Fabrication
EN 13480-1	Metallic industrial piping - Part 1: General
EN 13480-2	Metallic industrial piping - Part 2: Materials
EN 13445-1:2015	Unfired pressure vessels - Part 1: General
EN 10305-4:2003	Steel tubes for precision applications - Technical delivery conditions - Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems
EN 10274:1999	Metallic materials. Drop weight tear test
EN 10305-4	Steel tubes for precision applications - Technical delivery conditions - Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems

3.32 Thermal Shield

Thermal Shield	
ASME BPVC Sec. V	ASME Boiler and Pressure Vessel Code (BPVC) - Section V - Non-destructive examination
ASME BPVC Sec. IX	ASME Boiler and Pressure Vessel Code (BPVC) - Section IX - Qualification Standard for Welding, Brazing, and Fusing
ASME B31.3	Process Piping
ASME BPVC Sec. VIII	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ITER Document	ITER Vacuum Handbook
ITER Document	Plant Control Design Handbook
EJMA	Standards of the expansion joint manufacturers association
EN 13458	Cryogenic vessels - Static vacuum insulated vessels
EN 12434	Cryogenic vessels - Cryogenic flexible houses
EN 13468	Cryogenic vessels - Safety devices for protection against excessive pressure

3.33 Tritium Plant

Tritium Plant	
IEC 61000-4-16:2015	Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150kHz
IEC 60332-3:2009	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 61226:2009	Nuclear Power Plants - Instrumentation and Control Systems Important to Safety - Classification of Instrumentation and Control Functions
IEC 60332-1-2:2004	Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame
IEC 61000-5-2:1997	Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines - Section 2: Earthing and cabling
IEC 61034-2:2005	Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements
IEC 61000-6-2:2016	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
IEC 61000-6-4:2018	Electromagnetic compatibility (EMC) - Part 6-4: generic standards - Emission standard for industrial environments
IEC 60780:2016	Nuclear power plants - Electrical equipment of the safety system - Qualification
IEC 60754-1:2011	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content
IEC 61000-4-8:2009	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test

Tritium Plant	
IEC 60754-2:2011	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 61000-4-10:2016	Electromagnetic compatibility (EMC) - Part 4-10: Testing and measurement techniques - Damped oscillatory magnetic field immunity test
IEC 61000-4-9:2016	Electromagnetic compatibility (EMC) - Part 4-9: Testing and measurement techniques - Impulse magnetic field immunity test
IEC 61034-1:2005	Measurement of smoke density of cables burning under defined conditions - Part 1: test apparatus
IEC 61508:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems
ISO 10648-2:1994	Containment enclosures - Part 2: classification according to leak tightness and associated checking methods
ISO 17873:2004	Nuclear facilities - Criteria for the design and operation of ventilation systems for nuclear installations other than nuclear reactors
ISA 5.1:2009	Instrumentation Symbols and Identification
IEC 61513:2011	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems
ITER Document	Tritium Handbook
ITER Document	Plant Control Design Handbook
NF C 15-100:2001	Low-Voltage electrical installations
ITER Document	Codes and Standards for ITER Mechanical Components
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)
ITER Document	s-SRD-32-EP (Tokamak Exhaust Processing) from DOORS
ITER Document	EDH Part 3: Codes & Standards
ASME B16.34:2017	Valves - Flanged, Threaded and Welding End

Tritium Plant	
ASME BPVC Sec. VIII Div. 2 - Edition 2017	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME B31.3:2016	Process Piping
ASME B46.1:2009	Surface Texture (Surface Roughness, Waviness, and Lay)
ASME B73.1:2012	Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process
ASME B73.2:2016	Specification for Vertical In-Line Centrifugal Pumps for Chemical Process
ASME BPVC Sec. IX - Edition 2017	ASME Boiler and Pressure Vessel Code (BPVC) - Section IX - Qualification Standard for Welding, Brazing, and Fusing
ASME BPVC Sec. V - Edition 2017	ASME Boiler and Pressure Vessel Code (BPVC) - Section V - Non-destructive examination
AGS-G006-2005	Standard of Practice for the Design and Fabrication of Nuclear-Application Glove boxes
AGS-G013-2011	Guidelines for Glovebox Ergonomics
AGS-G001-2007	Guidelines for Gloveboxes Third Edition
ASME BPVC Sec. II - Edition 2017	ASME Boiler and Pressure Vessel Code (BPVC) - Section II - Materials
ASME BPVC Sec. VIII Div. 1 - Edition 2017	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 1
NF C 32-070:2001	Insulated cables and flexible cords for installations - Classification tests on cables and cords with respect to their behaviour to fire
IEC 60754-2	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 60331	Tests for electric cables under fire conditions - Circuit integrity
IEC 60754-1	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content

Tritium Plant	
IEC 60332-3	Tests on electric and optical fibre cables under fire conditions - Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables
IEC 60332-1	Tests on electric and optical fibre cables under fire conditions - Part 1: Test for vertical flame propagation for a single insulated wire or cable
IEC 61034	Measurement of smoke density of cables burning under defined conditions
ISO 10648-1	Containment enclosures - Part 1: Design principles
ISO 35H	not given
ISO 17873	Nuclear facilities - Criteria for the design and operation of ventilation systems for nuclear installations other than nuclear reactors
ISO 29463-1	High efficiency filters and filter media for removing particles from air. Classification, performance, testing and marking (filtration class expected ISO 35H or higher)
NF 3207 C1	Série aérospatiale - Matériaux caoutchouc - Spécification technique
ITER Document	Input for revision of the DS sSRD
ITER Document	Plant Control Design Handbook for Nuclear control systems
ITER Document	EDH Part 5: Earthing and Lightning Protection
NF C 32-070 ESSAI CR1	Four, transformateur variable et armoire électrique
ASME B31.1	Power Piping
ASME BPVC Sec. VIII Div. 2 - Edition 2010	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
ASME B31.3	Process Piping

Tritium Plant	
ASME BPVC Sec. III Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components, Division 2
ASME BPVC Sec. VIII Div. 1	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 1
ASME B16.34	Valves - Flanged, Threaded and Welding End
HD22-13	Cables of rated voltages up to and including 450/750 V and having cross-linked insulation - Part 13: Halogen-free flexible cables having low emission of smoke
ICE 60754	Acid gas content zero halogen
Fire retardancy - ICE 60442	not given
Eurocode 3 (EC3) (EN 1993)	Eurocode 3 - Design of steel structures
IEC 60754	Test on gases evolved during combustion of materials from cables
IEC 60332	Tests on electric and optical fibre cables under fire conditions
Instrumentation and control equipment - CSS SRD-48, CODAC SRD-45	not given
ISO 10648-2	Containment enclosures - Part 2: classification according to leak tightness and associated checking methods
IEC 61513	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems
ISA-5.1	Instrumentation Symbols and Identification
ISO 22734-1	Hydrogen generators using water electrolysis process - Part 1: Industrial and commercial applications
ISO 13732-1	Ergonomics of the thermal environment - Method for the assessment of human responses to contact with surfaces - Part 1 hot surfaces

Tritium Plant	
ITER Document	Order 2005 December 12 for nuclear pressurised equipment (ESPN) FR
ITER Document	ITER Vacuum Handbook
ITER Document	s-SRD-32-CS (Tritium Plant Control System) from DOORS
ITER Document	Electrical Design Handbook (EDH)
ITER Document	EFE-ITER-SMPX-2100_R0
ITER Document	C&S in SRD 32
API 607	Fire Test for Soft-Seated Quarter-Turn Valves
ASME/ANSI B16.34	Valves - Flanged, Threaded, and Welding End
ASME/ANSI B31.3	Process Piping
ASME BPVC Sec. VIII	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels
ANSI/FCI 70-2	Control Valve Seat Leakage
ASME B73.1	Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process
ANSI/ASME B31.3	Process Piping
ANSI/ASME B31.1	Power Piping
API 598	Valve Leakage & Ratings
ASME BPVC Sec. IX	ASME Boiler and Pressure Vessel Code (BPVC) - Section IX - Qualification Standard for Welding, Brazing, and Fusing
ASME BPVC Sec. III Div. 1	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components, Division 1
ANSI C2	National Electric Safety Code
ASME B73.2	Specification for Vertical In-Line Centrifugal Pumps for Chemical Process

Tritium Plant	
ASME BPVC Sec. III	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components
ASME B16.104	Control Valve Seat Leakage
DIN 3230.3-6	not given
EN 1349	Industrial process control valves
EN 50266	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables
EN 50267	Common test methods for cables under fire conditions - Test on gases evolved during combustion of materials from cables
NF C 32-323	Insulated cables and flexible cords for installations. Halogen-free 0,6/1 kv cables with improved characteristics in the case of fire, type C1, with cross-linked synthetic insulation and with extruded synthetic protective sheath
NFPA 70	National Electrical Code
NF C 32-102-13	Rubber insulated cables of rated voltages up to and including 450/750 V - Part 13: single and multicore flexible cables, insulated and sheathed with crosslinked polymer and having low emission of smoke and corrosive gases
NF C 32-074	Essais sur les gaz émis lors de la combustion des matériaux prélevés sur câbles - Détermination de l'acidité (corrosivité) des gaz par mesurage du pH et de la conductivité
NF C 32-073	Mesure de la densité des fumées dégagées par les câbles électriques brûlant dans des conditions définies

3.34 Vacuum Pumping and Fuelling

Vacuum Pumping and Fuelling	
ISO 4126:2004	Safety devices for protection against excessive pressure
ISO 10380:2012	Pipework - Corrugated metal hoses and hose assemblies
ISO 13920:1996	Welding - General tolerances for welded constructions
ISO 2768-1:1989	General tolerances - Part 1: Tolerances for linear and angular dimensions without individual tolerance indications
ISO 1609:1986	Vacuum technology - Flange dimensions
ITER Document	ITER Vacuum Handbook
Directive 97/23/EC	Directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment
EN 13445-5:2009	Unfired pressure vessels - Part 5: Inspection and testing
EN 12213:1999	Methods for performance evaluation of thermal insulation
EN 12300:1998/A1:2006	Cryogenic vessels - Cleanliness for cryogenic service
EN 12434:2000	Cryogenic vessels - Cryogenic flexible hoses
EN 13445-4:2009	Unfired pressure vessels - Part 4: Fabrication
EN 13445-3:2009	Unfired pressure vessels - Part 3: Design
EN 13445-2:2009	Unfired pressure vessels - Part 2: Materials
EN 13445-1:2009	Unfired pressure vessels - Part 1: General
EN 13480:2002	Metallic industrial piping
EN 14585-1:2006	Corrugated metal hose assemblies for pressure applications - Part 1: Requirements
EN 14917:2009+A1:2012	Metal bellows expansion joints for pressure applications
EN 10204:2004	Metallic products. Type of inspection documents

Vacuum Pumping and Fuelling	
EN 1591-1:2001	Flanges and their joints-Design rules for gasketed circular flange connections
IEC 61000-4-16	Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150kHz
IEC 61000-4-10	Electromagnetic compatibility (EMC) - Part 4-10: Testing and measurement techniques - Damped oscillatory magnetic field immunity test
IEC 61000-4-8	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
IEC 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
IEC 61000-6-4	Electromagnetic compatibility (EMC) - Part 6-4: generic standards - Emission standard for industrial environments
IEC 61000-4-9	Electromagnetic compatibility (EMC) - Part 4-9: Testing and measurement techniques - Impulse magnetic field immunity test
IEC 61513	Nuclear power plants - Instrumentation and control important to safety - General requirements for systems
IEC 61508	Functional safety of electrical/electronic/programmable electronic safety-related systems
IEC 61511	Functional safety - Safety instrumented systems for the process industry sector
ISO 228	Pipe threads
ISO 4126	Safety devices for protection against excessive pressure
ISO 3669-2:2007	Vacuum technology - Bakable flanges - Part 2: Dimensions of knife-edge flanges
MIL STD 461F	Methods CE 101 and CE-102
ITER Document	EDH Part 4: Electromagnetic Compatibility (EMC)

Vacuum Pumping and Fuelling	
ITER Document	EDH Part 3: Codes & Standards
Directive 2014/35/EU	Harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits
Directive 2011/65/EU	Restriction of Hazardous Substances (RoHS)
EN 13480:2012	Metallic industrial piping
Directive 2012/19/EU	Waste Electrical and Electronic Equipment (WEEE)
Directive 2014/30/EU	Electromagnetic Compatibility (EMC)
EN 13445:2014	Unfired Pressure Vessels
EN 1993-3-1:2007	Eurocode 3 - Design of steel structures - Part 3-1: Towers, masts and chimneys - Towers and masts
ISO 4126-1-10:2014	Safety devices for protection against excessive pressure - Part 10: Sizing of safety valves for gas/liquid two-phase flow
ISO 23208:2005	Cryogenic vessels: Cleanliness for cryogenic service
ISO 4126-1-10:2010	Safety devices for protection against excessive pressure - Part 10: Sizing of safety valves for gas/liquid two-phase flow
ITER Document	EDH Part 1: Introduction
ITER Document	Plant Control Design Handbook
EN 1252-1:1998	Cryogenic vessels- Materials- Part I: Toughness requirements for temperatures below -80 C
EN 1993:2007	Eurocode 3 - Design of steel structures
EN 13445-1-5:2014	Unfired pressure vessels
Directive 2014/68/EU	Directive 2014/68/UE du parlement européen et du Conseil du 15 mai 2014 relative à l'harmonisation des législations des Etats membres concernant la mise à disposition sur le marché des équipements sous pression

Vacuum Pumping and Fuelling	
EN 12456:1996	Cryogenic vessels - Pressure protection devices for vacuum insulated cryogenic vessels outer jackets
EN 1626:2008	Cryogenic vessels - Valves for cryogenic service
EN 13648-1:2008	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service
Décret 2015-799	Décret n° 2015-799 du 1er juillet 2015 relatif aux produits et équipements à risques
EN 13648-3:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 3: Determination of required discharge - Capacity and sizing
EN 13371:2002	Cryogenic vessels - Couplings for cryogenic service
EN 13648-2:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices for cryogenic service
EN 13445-3:2014	Unfired pressure vessels - Part 3: Design
ISO 21360-2:2012	Vacuum technology - Standard methods for measuring vacuum-pump performance - Part 1: General description
ISO 21360-1:2012	Vacuum technology - Standard methods for measuring vacuum-pump performance - Part 1: General description
ITER Document	Tritium Handbook
ASME B31.3	Process Piping
AISC N690-12	Specification for Safety-Related Steel Structures for Nuclear Facilities
EJMA	Standards of the expansion joint manufacturers association
ASME BPVC Sec. VIII Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section VIII - Rules for Construction of Pressure Vessels, Division 2
AVS 4.10	not given
EN 14917	Metal bellows expansion joints for pressure applications

Vacuum Pumping and Fuelling	
ASTM E498	Standard Practice for Leaks Using the Mass Spectrometer Leak Detector or Residual Gas Analyzer in the Tracer Probe Mode
ASME B31.3:2010	Process Piping
not given	French Order 2005 December 12 for Nuclear Pressure Equipment
not given	ASN Guide #19 - Application of the French Order dated 12/12/2005 on Nuclear Pressure Equipment - Version of 21-02-2013 - EN
not given	ASN Guide #8 Conformity Assessment of Nuclear Pressure Equipment
not given	not given
EN Standards	not given
IEC 61000	Electromagnetic compatibility (EMC)
ITER Document	SRD-18-PI (Pellet Injection) from DOORS
ITER Document	Electrical Design Handbook (EDH)
ASME B73.2M	Specification for Vertical In-Line Centrifugal Pumps for Chemical Process
ASME B73.1M	Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process
ASME B31.3/EJMA	Process Piping
ASME B16.34	Valves - Flanged, Threaded and Welding End
ASME OM	ASME Codes and Standards for Operation and Maintenance of Nuclear Power Plant
EN 13458-1:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 1: Fundamental requirements
EN 14197-3:2004	Cryogenic vessels - Static non-vacuum insulated vessels - Part 3: Operational requirements

Vacuum Pumping and Fuelling	
EN 14197-2:2003	Cryogenic vessels - Static non-vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing
EN 13371:2001	Cryogenic vessels - Couplings for cryogenic service
EN 1797:2001	Cryogenic vessels - Gas/material compatibility
EN 13648-1:2002	Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service
EN 14197-1:2003	Cryogenic vessels - Static non-vacuum insulated vessels - Part 1: Fundamental requirements
EN 1252-2:2001	Cryogenic vessels - Materials - Part 2: Toughness requirements for temperatures between -80°C and -20°C
EN 1626:1999	Cryogenic vessels - Valves for cryogenic service
Directive 2006/95/EC	Harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits
EN 13458-2:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing
EN 13458-3:2002	Cryogenic vessels - Static vacuum insulated vessels - Part 3: Operational requirements
ITER Occupational Safety and Health	not given
ITER Document	Plant Control Design Handbook for Nuclear control systems
ITER Document	Material Properties Handbook (MPH)
ITER Document	ITER Fire Safety Approach
ASME Standard Qualification	not given
ITER Document	SRD-18-GI (Gas Injection) from DOORS
ITER Document	Order of 12 December 2005 for nuclear pressurised equipment (ESPN) EN
not given	ITER Tritium Handbook

Vacuum Pumping and Fuelling	
ITER Document	SRD-18-GC (Glow Discharge Wall Conditioning) from DOORS
Standard equivalent to EJMA	not given
Standard equivalent to EN 14917	not given
Seal manufacturers recommendation & qualification	not given
Standard equivalent to ASME B31.3	not given
EU harmonized cryogenic standards	not given
ITER Document	Operations Handbook - 2 Operational States
ITER Document	ITER Remote Handling Code of Practice
ASME BPVC Sec. III Div. 2	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components, Division 2
EN 13445	Unfired Pressure Vessels
EN 13445-3	Unfired pressure vessels - Part 3: Design
EN 13445:2009	Unfired Pressure Vessels

3.35 Vacuum Vessel

Vacuum Vessel	
UNE-En ISO 3650:2000	Geometrical Product Specification (GPS). Length Standards. Gauge Blocks (ISO 3650:1998)
UNE-En ISO 14660-1:2000	Geometrical Product Specifications (GPS) - Geometrical Features-Part 1: General Terms And Definitions. (ISO 14660-1:1999)
UNE-En ISO 14253-1:1999	Geometrical Product Specifications (GPS). Inspection by Measurement of Work Pieces and Measuring Equipment. Part 1: Decision Rules for Proving Conformance or Non-Conformance With Specifications (ISO 14253-1:1998)
UNE-En ISO 12085:1998	Geometrical Product Specification (GPS). Surface Texture: Profile Method. Motif Parameters. (ISO 12085:1996)
UNE-En ISO 5458:1999	Geometrical Product Specifications (GPS) - Geometrical Tolerancing - Positional Tolerancing (ISO 5458:1998)
UNE-En 20286-1:1996	ISO System of Limits and Fits. Part 1: Bases of Tolerances, Deviations and Fits. (ISO 286-1:1988)
UNE-En 20286-2:1996	1996ISO System of Limits and Fits. Part 2: Tables of Standard Tolerance Grades and Limit Deviations for Holes and Shafts. (ISO 286-2:1988)
RCC-MR 2007	Rules for design and construction of fast breeder liquid metal cooled reactors
EN ISO 643:2003	Steels - Micrographic determination of the apparent grain size
EN ISO 8492:2004	Metallic materials - Tube - Flattening test
ISO 12857	Field Procedure for determining accuracy of Surveying Instruments
ITER Document	EDH Part 1: Introduction
ITER Document	Safety Important Components - Abstract for Presentation of Methodology to the French regulator
ITER Document	Plant Control Design Handbook
ITER Document	ITER Vacuum Vessel Load Specification

Vacuum Vessel	
ITER Document	ITER Vacuum Handbook
ITER Document	CAD Manual 01 - Introduction
ASTM E45-05(2005)	Standard Test Methods for Determining the Inclusion Content of Steel
ASTM A342-04	Test Method for Permeability of feebly magnetic Materials
Applicable C&S	not given
EN 10204:2004	Metallic products. Type of inspection documents
EN 10002-1:2001	Metallic materials - Tensile testing - Part 1: Method of test at ambient temperature
EN 10228-4:1999	Non-destructive testing of steel forgings - Part 4: Ultrasonic testing of austenitic and austenitic-ferritic stainless steel forgings
CEN/TR 14748	Methodology for the qualification of Non Destructive Tests
EN 10216-5:2005	Seamless steel tubes for pressure purposes. Part 5: Stainless steel tubes
EN 10246-7:2006	Non-destructive testing of steel tubes - Part 7: Automatic full peripheral ultrasonic testing of seamless and welded (except submerged arc welded) steel tubes for the detection of longitudinal imperfections
EN 10002-5:1991	Tensile testing at elevated temperature
EN 10307:2002	Ultrasonic testing of austenitic and austenitic-ferritic stainless steels flat products of thickness equal to or greater than 6 mm
EN 10222-1:1998	Steel forgings for pressure purposes - Part 1: General requirements for open die forgings
EN 10029:1991	Hot rolled steel plates 3 mm thick or above -Tolerances on dimensions, shape and mass
EN 10272:2000	Stainless steel bars for pressure purposes
EN 10088-2:2005	Stainless steels - Part 2: Technical delivery conditions for corrosion-resistant steel sheet and strip for general use

Vacuum Vessel	
EN 10246-6:2000	Non-destructive testing of steel tubes - Part 6: Automatic full peripheral ultrasonic testing of seamless steel tubes for the detection of transverse imperfections
EN 10246-2:2000	Non-destructive testing of steel tubes - Part 2: Automatic eddy current testing of seamless and welded (except submerged arc-welded) austenitic and ferritic-austenitic steel tubes for verification of hydraulic leak tightness
EN 764-5	Pressure equipment - Part 5: Compliance and Inspection Documentation of Materials
EN 10028-1:2001	Flat products made of steels for pressure purposes - Part 1: General requirements
NF EN 473	Non-destructive testing - Qualification and certification of NDT personnel
not given	Technical Specification
NF E 52-110	Standard applicable for lifting devices and metallic frameworks
NF E 52-109-1	Standard manufacture
NF E 52-109-2	Lifting and handling
ASTM A240/A240M-07e1	Standard Specification for Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plates, Sheet, and Strip for Pressure Vessels and for General Application
ASTM A262-02A	Standard Practices for Detecting Susceptibility to Inter-granular Attack in Austenitic Stainless Steel
ASTM A341/A341M	Standard Test Method for Direct Current Magnetic Properties of Materials Using D-C Permeameters and the Ballistic Test Methods (to be confirmed)
ASME	ASME Codes and Standards
ASTM A276	Standard Specification for Stainless Steel Bars and Shapes
ASTM A370-05	Test Methods and Definitions for Mechanical Testing of Steel Products

Vacuum Vessel	
ASTM A34/A34M	Standard Practice for Sampling and Procurement Testing of Magnetic Materials (to be confirmed)
ASME BPVC Sec. V	ASME Boiler and Pressure Vessel Code (BPVC) - Section V - Non-destructive examination
ASTM A194/A194M	Specification for Carbon and Alloy Steel Nuts for Bolts for High-Pressure or High-Temperature Service, or Both
ASTM A193/A193M-06a	Specification for Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service and other Special Purpose Application
ASME BPVC Sec. III Div. 2 - Edition 2007	ASME Boiler and Pressure Vessel Code (BPVC) - Section III - Rules For Construction Of Nuclear Facility Components, Division 2
ASTM A887-89(2004)	Standard Specification for Borated Stainless Steel Plates, Sheet, and Strip for Nuclear Application
ASTM E112-96(2004)	Standard Test Methods for Determining Average Grain Size
ASTM A578(2007)	Specification for Straight-Beam Ultrasonic Examination of Plain and Clad Steel Plates for Special Applications
ASTM A962/A962M-04a	Standard Specification for Common Requirements for Steel Fasteners or Fastener Materials, or Both, Intended for Use at Any Temperature from Cryogenic to the Creep Range
ASTM A596/A596M	Test Method for Direct-Current Magnetic Properties of Materials Using the Ballistic Method and Ring Specimens
ASTM A484/A484M	Standard Specification for General Requirements for Stainless Steel Bars, Billets, and Forgings
ASTM A480/A480M-06b	Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip
ASTM A751-07a	Standard Specification for Test Methods, Practices and Terminology of Chemical Analysis of Steel Product
ASTM A773/A773M	Standard Test Method for dc Magnetic Properties of Materials Using Ring and Permeameter Procedures with dc Electronic Hysteresigraphs

Vacuum Vessel	
ITER Document	Load Specification for the ITER Vacuum Vessel
RCC-MR	Rules for design and construction of fast breeder liquid metal cooled reactors
Individual Procurement Arrangements	not given
ITER Document	ITER Dimensional Metrology Handbook
ITER Document	In-Vessel Coils Structural Design Criteria Appendix D
ITER Document	Magnet Superconducting and Electrical Design Criteria
ITER Document	Material Properties Handbook (MPH)
ITER Document	ITER Remote Handling Code of Practice
ITER Document	EDH Part 3: Codes & Standards
ITER Document	In-vessel Components, SDC-IC
ITER materials technical specifications	not given
ITER Document	Operations Handbook - 2 Operational States

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References

This ITER Technical Report may contain references to internal technical documents. These are accessible to ITER staff and External Collaborators included in the corresponding ITER Document Management (IDM) lists. If you are not included in these lists and need to access a specific technical document referenced in this report, please contact us at ITR.support@iter.org and your request will be considered, on a case by case basis, and in light of applicable ITER regulations.