

AWTORITA' MALTJA DWAR L- ISTANDARDS

Bis-sahha tas-setghat moghtija bl-arikoli 16(a) u 18 ta' l-Att dwar l-Awtorità Maltja Dwar L-iStandards (Att No. XIX ta' l-2000), l-Awtorità Maltja Dwar L-iStandards (MSA) addottat *liStandards* Ewropej u internazzjonali, imhejjija taht l-awspici tal-European Committee for Standardization (CEN) u l-International Organization for Standardization (ISO), bhala Standards Nazzjonali Maltin. Ghalhekk, barra li huma standards Ewropej u internazzjonali, l-MSA approvat u accettat dawn *liStandards* li issa għandhom *status* ta' standards Nazzjonali mid-data ta' din il-pubblikazzjoni ufficjali tal-Gvern.

Dawn l-istandards jistghu jinkisbu minghand:

**Awtorità Maltja Dwar L-iStandards, it-Tieni Sular, Evans Building, Triq
il-Merkanti, Valletta, Malta**

**Tel: (+356) 21242420, Fax: (+356) 21242406, Internet:
<http://www.msa.org.mt>**

MALTA STANDARDS AUTHORITY

In exercise of the powers conferred by articles 16(a) and 18 of the Malta Standards Authority Act, 2000, (Act No. XIX of 2000), the Malta Standards Authority (MSA) has adopted the following European and international Standards, prepared under the auspices of the European Committee for Standardization (CEN) and the International Organization for Standardization (ISO), as Maltese National Standards. Therefore, in addition to being European and/or international Standards, the MSA has approved and endorsed these Standards which now have the status of National Standards as from the date of this Government official publication.

These standards are available from:

**Malta Standards Authority, Second Floor Evans Building, Merchants
Street, Valletta, Malta.**

**Tel: (+356) 21242420, Fax: (+356) 21242406, Internet:
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National Standard	Title	Transposing Standard (identical)
MSA EN 509:1999/A2:2005	Decorative fuel-effect gas appliances	EN 509:1999/A2:2004
MSA EN 545:2002/AC:2005	Ductile iron pipes, fittings, accessories and their joints for water pipelines - Requirements and test methods	EN 545:2002/AC:2004
MSA EN 1004:2005	Mobile access and working towers made of prefabricated elements - Materials, dimensions, design loads, safety and performance requirements	EN 1004:2004
MSA EN 1010-1:2005	Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 1: Common requirements	EN 1010-1:2004
MSA EN 1504-5:2005	Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 5: Concrete injection	EN 1504-5:2004
MSA EN 1645-1:2005	Leisure accommodation vehicles - Caravans - Part 1: Habitation requirements relating to health and safety	EN 1645-1:2004
MSA EN 1646-1:2005	Leisure accommodation vehicles - Motor caravans - Part 1: Habitation requirements relating to health and safety	EN 1646-1:2004
MSA EN 1647:2005	Leisure accommodation vehicles - Caravan holiday homes - Habitation requirements relating to health and safety	EN 1647:2004
MSA EN 1648-1:2005	Leisure accommodation vehicles - 12 V direct current extra low voltage electrical installations - Part 1: Caravans	EN 1648-1:2004

MSA EN 1648-2:2005	Leisure accommodation vehicles - 12 V direct current extra low voltage electrical installations - Part 2: Motor caravans	EN 1648-2:2004
MSA EN 1860-4:2005	Appliances, solid fuels and firelighters for barbecuing - Part 4: Single use barbecues burning solid fuels - Requirements and test methods	EN 1860-4:2004
MSA EN 1870-15:2005	Safety of woodworking machines - Circular sawing machines - Part 15: Multiblade cross-cut sawing machines with integrated feed of the workpiece and manual loading and/or unloading	EN 1870-15:2004
MSA EN 1912:2005	Structural timber - Strength classes - Assignment of visual grades and species	EN 1912:2004
MSA EN 1929-2:2005	Basket trolleys - Part 2: Requirements, tests and inspection for basket trolleys with or without a child carrying facility, intended to be used on passenger conveyors	EN 1929-2:2004
MSA EN 1992-1-1:2005	Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings	EN 1992-1-1:2004
MSA EN 1992-1-2:2005	Eurocode 2: Design of concrete structures - Part 1-2: General rules - Structural fire design	EN 1992-1-2:2004
MSA EN 1994-1-1:2005	Eurocode 4: Design of composite steel and concrete structures - Part 1-1: General rules and rules for buildings	EN 1994-1-1:2004
MSA EN 1998-1:2005	Eurocode 8: Design of structures for earthquake resistance - Part 1: General rules, seismic actions and rules for buildings	EN 1998-1:2004
MSA EN 2085:2005	Aerospace series - Aluminium alloy AL-P2618A - T6 - Hand and die forgings - a	EN 2085:2004
MSA EN 2086:2005	Aerospace series - Aluminium alloy AL-P2618A - T851 - Hand and die forgings - a	EN 2086:2004
MSA EN 2256:2005	Aerospace series - Aluminium alloy AL-P2618A - T852 - Hand and die forgings - a	EN 2256:2004
MSA EN 2681:2005	Aerospace series - Aluminium alloy AL-P7010- T74 - Hand and die forgings - a	EN 2681:2004
MSA EN 2684:2005	Aerospace series - Aluminium alloy AL-P7010- T7651 - Plate - 6 mm < a	EN 2684:2004
MSA EN 2687:2005	Aerospace series - Aluminium alloy AL-P7010- T7451 - Plate - 6 mm < a	EN 2687:2004
MSA EN 3553:2005	Aerospace series - Aluminium alloy AL-P2618A - T6511 - Extruded bar and section - a or D	EN 3553:2004
MSA EN 3841-100:2005	Aerospace series - Circuit breakers - Test methods - Part 100: General	EN 3841-100:2004
MSA EN 3841-201:2005	Aerospace series - Circuit breakers - Test methods - Part 201: Visual inspection	EN 3841-201:2004
MSA EN 3841-202:2005	Aerospace series - Circuit breakers - Test methods - Part 202: Dimensions and masses	EN 3841-202:2004
MSA EN 3841-301:2005	Aerospace series - Circuit breakers - Test methods - Part 301: Voltage drop	EN 3841-301:2004
MSA EN 3841-302:2005	Aerospace series - Circuit breakers - Test methods - Part 302: Insulation resistance	EN 3841-302:2004
MSA EN 3841-303:2005	Aerospace series - Circuit breakers - Test methods - Part 303: Dielectric strength	EN 3841-303:2004
MSA EN 3841-304:2005	Aerospace series - Circuit breakers - Test methods - Part 304: Tripping points	EN 3841-304:2004
MSA EN 3841-305:2005	Aerospace series - Circuit breakers - Test methods - Part 305: Short-circuit performance	EN 3841-305:2004
MSA EN 3841-306:2005	Aerospace series - Circuit breakers - Test methods - Part 306: Service life	EN 3841-306:2004
MSA EN 3841-307:2005	Aerospace series - Circuit breakers - Test methods - Part 307: Performance with a locked tripping system	EN 3841-307:2004
MSA EN 3841-308:2005	Aerospace series - Circuit breakers - Test methods - Part 308: Lightning	EN 3841-308:2004
MSA EN 3841-401:2005	Aerospace series - Circuit breakers - Test methods - Part 401: Sand and dust	EN 3841-401:2004
MSA EN 3841-402:2005	Aerospace series - Circuit breakers - Test methods - Part 402: Corrosion	EN 3841-402:2004
MSA EN 3841-403:2005	Aerospace series - Circuit breakers - Test methods - Part 403: Humidity	EN 3841-403:2004
MSA EN 3841-404:2005	Aerospace series - Circuit breakers - Test methods - Part 404: Explosion proofness	EN 3841-404:2004
MSA EN 3841-405:2005	Aerospace series - Circuit breakers - Test methods - Part 405: Fluid resistance	EN 3841-405:2004
MSA EN 3841-406:2005	Aerospace series - Circuit breakers - Test methods - Part 406: Flammability	EN 3841-406:2004
MSA EN 3841-407:2005	Aerospace series - Circuit breakers - Test methods - Part 407: Temperature variation	EN 3841-407:2004

MSA EN 3841-501:2005	Aerospace series - Circuit breakers - Test methods - Part 501: Actuator button travel	EN 3841-501:2004
MSA EN 3841-502:2005	Aerospace series - Circuit breakers - Test methods - Part 502: Operating forces	EN 3841-502:2004
MSA EN 3841-503:2005	Aerospace series - Circuit breakers - Test methods - Part 503: Strength of actuating components	EN 3841-503:2004
MSA EN 3841-504:2005	Aerospace series - Circuit breakers - Test methods - Part 504: Strength of mounting elements	EN 3841-504:2004
MSA EN 3841-505:2005	Aerospace series - Circuit breakers - Test methods - Part 505: Strength of main terminals	EN 3841-505:2004
MSA EN 3841-506:2005	Aerospace series - Circuit breakers - Test methods - Part 506: Vibration performance	EN 3841-506:2004
MSA EN 3841-507:2005	Aerospace series - Circuit breakers - Test methods - Part 507: Mechanical shocks	EN 3841-507:2004
MSA EN 3841-508:2005	Aerospace series - Circuit breakers - Test methods - Part 508: Centrifugal acceleration	EN 3841-508:2004
MSA EN 3841-509:2005	Aerospace series - Circuit breakers - Test methods - Part 509: Insertion and extraction forces of signal contact terminals	EN 3841-509:2004
MSA EN 3841-510:2005	Aerospace series - Circuit breakers - Test methods - Part 510: Strength of signal contact terminals	EN 3841-510:2004
MSA EN 3841-511:2005	Aerospace series - Circuit breakers - Test methods - Part 511: Combined test: temperature, altitude and vibration	EN 3841-511:2004
MSA EN 4166:2005	Aerospace series - Clips, spring tension, three parts - PTFE bushes	EN 4166:2004
MSA EN 4167:2005	Aerospace series - Clips, spring tension, three parts - Inner clips in heat resisting steel FE-PA2601 (A286)	EN 4167:2004
MSA EN 4168:2005	Aerospace series - Clips, spring tension, three parts - Outer clips in heat resisting steel FE-PA2601 (A286)	EN 4168:2004
MSA CEN ISO/TS 8662-11:2004/AC:2005	Hand-held portable power tools - Measurement of vibrations at the handle - Part 11: Fastener driving tools (ISO 8662-11:1999 + Amd. 1:2001)	CEN ISO/TS 8662-11:2004/AC:2004
MSA EN 10163-1:2005	Delivery requirements for surface condition of hot-rolled steel plates, wide flats and sections - Part 1: General requirements	EN 10163-1:2004
MSA EN 10163-2:2005	Delivery requirements for surface condition of hot-rolled steel plates, wide flats and sections - Part 2: Plate and wide flats	EN 10163-2:2004
MSA EN 10163-3:2005	Delivery requirements for surface condition of hot-rolled steel plates, wide flats and sections - Part 3: Sections	EN 10163-3:2004
MSA EN 10164:2005	Steel products with improved deformation properties perpendicular to the surface of the product - Technical delivery conditions	EN 10164:2004
MSA EN 10292:2000/A2:2005	Continuously hot-dip coated strip and sheet of steels with higher yield strength for cold forming - Technical delivery conditions	EN 10292:2000/A2:2004
MSA EN 12015:2005	Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks - Emission	EN 12015:2004
MSA EN 12016:2005	Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks - Immunity	EN 12016:2004
MSA EN 12258-2:2005	Aluminium and aluminium alloys - Terms and definitions - Part 2: Chemical analysis	EN 12258-2:2004
MSA EN 12258-4:2005	Aluminium and aluminium alloys - Terms and definitions - Part 4: Residues of the aluminium industry	EN 12258-4:2004
MSA EN 12441-2:2001/A2:2005	Zinc and zinc alloys - Chemical analysis - Part 2: Determination of magnesium in zinc alloys - Flame atomic absorption spectrometric method	EN 12441-2:2001/A2:2004
MSA EN 12441-7:2005	Zinc and zinc alloys - Chemical analysis - Part 7: Determination of tin - Flame atomic absorption spectrometric method after extraction	EN 12441-7:2004
MSA EN 12441-8:2005	Zinc and zinc alloys - Chemical analysis - Part 8: Determination of tin in secondary zinc - Flame atomic absorption spectrometric method	EN 12441-8:2004
MSA EN 12441-9:2005	Zinc and zinc alloys - Chemical analysis - Part 9: Determination of nickel in zinc alloys - Flame atomic absorption spectrometric method	EN 12441-9:2004
MSA EN 12441-10:2005	Zinc and zinc alloys - Chemical analysis - Part 10: Determination of chromium and titanium in zinc alloys - Spectrophotometric method	EN 12441-10:2004
MSA EN 12467:2005	Fibre-cement flat sheets - Product specification and test methods	EN 12467:2004

MSA EN 12502-1:2005	Protection of metallic materials against corrosion - Guidance on the assessment of corrosion likelihood in water distribution and storage systems - Part 1: General	EN 12502-1:2004
MSA EN 12502-2:2005	Protection of metallic materials against corrosion - Guidance on the assessment of corrosion likelihood in water distribution and storage systems - Part 2: Influencing factors for copper and copper alloys	EN 12502-2:2004
MSA EN 12502-3:2005	Protection of metallic materials against corrosion - Guidance on the assessment of corrosion likelihood in water distribution and storage systems - Part 3: Influencing factors for hot dip galvanised ferrous materials	EN 12502-3:2004
MSA EN 12502-4:2005	Protection of metallic materials against corrosion - Guidance on the assessment of corrosion likelihood in water distribution and storage systems - Part 4: Influencing factors for stainless steels	EN 12502-4:2004
MSA EN 12502-5:2005	Protection of metallic materials against corrosion - Guidance on the assessment of corrosion likelihood in water distribution and storage systems - Part 5: Influencing factors for cast iron, unalloyed and low alloyed steels	EN 12502-5:2004
MSA EN 12764:2005	Sanitary appliances - Specification for whirlpool baths	EN 12764:2004
MSA EN 12779:2005	Safety of woodworking machines - Chip and dust extraction systems with fixed installation - Safety related performances and safety requirements	EN 12779:2004
MSA EN 12811-3:2002/AC:2005	Temporary works equipment - Part 3: Load testing	EN 12811-3:2002/AC:2004
MSA EN 12965:2003/A1:2005	Tractors and machinery for agriculture and forestry - Power take-off (PTO) drive shafts and their guards - Safety	EN 12965:2003/A1:2004
MSA EN 12983-1:2000/A1:2005	Cookware - Domestic cookware for use on top of a stove, cooker or hob - Part 1: General requirements	EN 12983-1:2000/A1:2004
MSA EN 13001-1:2005	Crane safety - General design - Part 1: General principles and requirements	EN 13001-1:2004
MSA EN 13001-2:2005	Crane safety - General design - Part 2: Load effects	EN 13001-2:2004
MSA CEN/TS 13001-3-1:2005	Cranes - General design - Part 3-1: Limit states and proof of competence of steel structures	CEN/TS 13001-3-1:2004
MSA CEN/TS 13001-3-2:2005	Cranes - General design - Part 3-2: Limit states and proof of competence of wire ropes in reeving systems	CEN/TS 13001-3-2:2004
MSA EN 13032-2:2005	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 2: Presentation of data for indoor and outdoor work places	EN 13032-2:2004
MSA EN 13204:2005	Double acting hydraulic rescue tools for fire and rescue service use - Safety and performance requirements	EN 13204:2004
MSA EN 13286-50:2005	Unbound and hydraulically bound mixtures - Part 50: Method for the manufacture of test specimens of hydraulically bound mixtures using Proctor equipment or vibrating table compaction	EN 13286-50:2004
MSA EN 13286-51:2005	Unbound and hydraulically bound mixtures - Part 51: Method for the manufacture of test specimens of hydraulically bound mixtures using vibrating hammer compaction	EN 13286-51:2004
MSA EN 13286-52:2005	Unbound and hydraulically bound mixtures - Part 52: Method for the manufacture of test specimens of hydraulically bound mixtures using vibrocompression	EN 13286-52:2004
MSA EN 13286-53:2005	Unbound and hydraulically bound mixtures - Part 53: Methods for the manufacture of test specimens of hydraulically bound mixtures using axial compression	EN 13286-53:2004
MSA EN 13355:2005	Coating plants - Combined booths - Safety requirements	EN 13355:2004
MSA EN 13479:2005	Welding consumables - General product standard for filler metals and fluxes for fusion welding of metallic materials	EN 13479:2004
MSA EN 13520:2001/A1:2005	Footwear - Test methods for uppers, lining and insoles - Abrasion resistance	EN 13520:2001/A1:2004
MSA EN 13555:2005	Flanges and their joints - Gasket parameters and test procedures relevant to the design rules for gasketed circular flange connections	EN 13555:2004

MSA EN 13605:2002/AC:2005	Copper and copper alloys - Copper profiles and profiled wire for electrical purposes	EN 13605:2002/AC:2004
MSA EN 13611:2000/A1:2005	Safety and control devices for gas burners and gas-burning appliances - General requirements	EN 13611:2000/A1:2004
MSA EN 13814:2005	Fairground and amusement park machinery and structures - Safety	EN 13814:2004
MSA EN 13852- 1:2004/AC:2005	Cranes - Offshore cranes - Part 1: General - purpose offshore cranes	EN 13852-1:2004/AC:2004
MSA EN 13859-2:2005	Flexible sheets for waterproofing - Definitions and characteristics of underlays - Part 2: Underlays for walls	EN 13859-2:2004
MSA EN 13877-3:2005	Concrete pavements - Part 3: Specifications for dowels to be used in concrete pavements	EN 13877-3:2004
MSA EN 13965-1:2005	Characterization of waste - Terminology - Part 1: Material related terms and definitions	EN 13965-1:2004
MSA EN 13965-2:2005	Characterization of waste - Terminology - Part 2: Management related terms and definitions	EN 13965-2:2004
MSA EN 13967:2005	Flexible sheets for waterproofing - Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet - Definitions and characteristics	EN 13967:2004
MSA EN 13969:2005	Flexible sheets for waterproofing - Bitumen damp proof sheets including bitumen basement tanking sheets - Definitions and characteristics	EN 13969:2004
MSA EN 13970:2005	Flexible sheets for waterproofing - Bitumen water vapour control layers - Definitions and characteristics	EN 13970:2004
MSA EN 13984:2005	Flexible sheets for waterproofing - Plastic and rubber vapour control layers - Definitions and characteristics	EN 13984:2004
MSA EN 14035-18:2005	Fireworks - Part 18: Hand-held fountains - Specification and test methods	EN 14035-18:2004
MSA EN 14071:2005	Pressure relief valves for LPG tanks - Ancillary equipment	EN 14071:2004
MSA EN 14075:2002/A1:2005	Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m ³ and for installation underground - Design and manufacture	EN 14075:2002/A1:2004
MSA EN 14125:2005	Thermoplastic and flexible metal pipework for underground installation at petrol filling stations	EN 14125:2004
MSA CEN/TS 14159:2005	Textile floor coverings - Requirements for tolerances on (linear) dimensions of rugs, runners, carpet tiles and wall-to-wall carpet and for tolerances on pattern repeat	CEN/TS 14159:2004
MSA EN 14188-2:2005	Joint fillers and sealants - Part 2: Specifications for cold applied sealants	EN 14188-2:2004
MSA EN 14198:2005	Railway applications - Braking - Requirements for the brake system of trains hauled by a locomotive	EN 14198:2004
MSA EN 14279:2005	Laminated Veneer Lumber (LVL) - Definitions, classification and specifications	EN 14279:2004
MSA EN 14354:2005	Wood-based panels - Wood veneer floor covering	EN 14354:2004
MSA EN 14387:2004/AC:2005	Respiratory protective devices - Gas filter(s) and combined filter(s) - Requirements, testing, marking	EN 14387:2004/AC:2004
MSA EN 14434:2005	Writing boards for educational institutions - Ergonomic, technical and safety requirements and their test methods	EN 14434:2004
MSA EN 14468-1:2005	Table tennis - Part 1: Table tennis tables, functional and safety requirements, test methods	EN 14468-1:2004
MSA EN 14474:2005	Precast concrete products - Concrete with wood-chips as aggregate - Requirements and test methods	EN 14474:2004
MSA EN 14511- 3:2004/AC:2005	Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 3: Test methods	EN 14511-3:2004/AC:2004
MSA EN 14574:2005	Geosynthetics - Determination of the pyramid puncture resistance of supported geosynthetics	EN 14574:2004
MSA EN 14581:2005	Natural stone test methods - Determination of linear thermal expansion coefficient	EN 14581:2004

MSA EN 14603:2005	Information technology - Alphanumeric glyph image set for optical character recognition OCR-B - Shapes and dimensions of the printed image	EN 14603:2004
MSA EN 14619:2005	Roller sports equipment - Kick scooters - Safety requirements and test methods	EN 14619:2004
MSA EN 14682:2005	Safety of children's clothing - Cords and drawstrings on children's clothing - Specifications	EN 14682:2004
MSA EN 14716:2005	Stretched ceilings - Requirements and test methods	EN 14716:2004
MSA EN 14870-2:2005	Petroleum and natural gas industries - Induction bends, fittings and flanges for pipeline transportation systems - Part 2: Fittings (ISO 15590-2:2003 modified)	EN 14870-2:2004
MSA CEN/TR 12005	Portable fire extinguishers - Model laboratory - Report in compliance with EN 3-7	CEN/TR 14922
MSA CEN/TR 14980:2005	Solid recovered fuels - Report on relative difference between biodegradable and biogenic fractions of SRF	CEN/TR 14980:2004
MSA CWA 15141:2005	European eConstruction Meta-Schema (EeM)	CWA 15141:2004
MSA CWA 15142:2005	European eConstruction Ontology (EeO)	CWA 15142:2004
MSA CWA 15143:2005	European eConstruction software implementation toolset (EeS)	CWA 15143:2004
MSA CWA 15145:2005	Automotive fuels - Water in diesel fuel emulsions for use in internal combustion engines - Requirements and test methods	CWA 15145:2004
MSA CWA 15155:2005	Adaptation of SIF (Schools Interoperability Framework) Data Model for a European context	CWA 15155:2004
MSA EN ISO 105-P02:2005	Textiles - Tests for colour fastness - Part P02: Colour fastness to pleating: Steam pleating (ISO 105-P02:2002)	EN ISO 105-P02:2004
MSA EN ISO 140-1:1997/A1:2005	Acoustics - Measurement of sound insulation in buildings and of building elements - Part 1: Requirements for laboratory test facilities with suppressed flanking transmission - Amendment 1: Specific requirements on the frame of the test opening for lightweight twin leaf partitions (ISO 140-1:1997/AM 1:2004)	EN ISO 140-1:1997/A1:2004
MSA EN ISO 140-3:1995/A1:2005	Acoustics - Measurement of sound insulation in buildings and of building elements - Part 3: Laboratory measurements of airborne sound insulation of building elements - Amendment 1: Installation guidelines for lightweight twin leaf partitions (ISO 140-3:1995/AM 1:2004)	EN ISO 140-3:1995/A1:2004
MSA EN ISO 1514:2005	Paints and varnishes - Standard panels for testing (ISO 1514:2004)	EN ISO 1514:2004
MSA EN ISO 3960:2005	Animal and vegetable fats and oils - Determination of peroxide value (ISO 3960:2001)	EN ISO 3960:2004
MSA EN ISO 4263-1:2005	Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids - TOST test - Part 1: Procedure for mineral oils (ISO 4263-1:2003)	EN ISO 4263-1:2004
MSA EN ISO 5269-2:2005	Pulps - Preparation of laboratory sheets for physical testing - Part 2: Rapid-Köthen method (ISO 5269-2:2004)	EN ISO 5269-2:2004
MSA EN ISO 5674:2004/AC:2005	Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive-shafts - Strength and wear tests and acceptance criteria (ISO 5674:2004)	EN ISO 5674:2004/AC:2004
MSA EN ISO 6848:2005	Arc welding and cutting - Nonconsumable tungsten electrodes - Classification (ISO 6848:2004)	EN ISO 6848:2004
MSA EN ISO 6887-4:2003/AC:2005	Microbiology of food and animal feeding stuffs - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Part 4: Specific rules for the preparation of products other than milk and milk products, meat and meat products, and fish and fishery products (ISO 6887-4:2003)	EN ISO 6887-4:2003/AC:2004
MSA EN ISO 7547:2005	Ships and marine technology - Air-conditioning and ventilation of accommodation spaces - Design conditions and basis of calculations (ISO 7547:2002)	EN ISO 7547:2004
MSA EN ISO 7932:2005	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of presumptive Bacillus cereus - Colony-count technique at 30 °C (ISO 7932:2004)	EN ISO 7932:2004
MSA EN ISO 8442-5:2005	Materials and articles in contact with foodstuffs - Cutlery and table holloware - Part 5: Specification for sharpness and edge retention test of cutlery (ISO 8442-5:2004)	EN ISO 8442-5:2004

MSA EN ISO 8502-5:2005	Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 5: Measurement of chloride on steel surfaces prepared for painting (ion detection tube method) (ISO 8502-5:1998)	EN ISO 8502-5:2004
MSA EN ISO 8502-8:2005	Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 8: Field method for the refractometric determination of moisture (ISO 8502-8:2001)	EN ISO 8502-8:2004
MSA EN ISO 8502-10:2005	Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 10: Field method for the titrimetric determination of water-soluble chloride (ISO 8502-10:1999)	EN ISO 8502-10:2004
MSA EN ISO 8502-12:2005	Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 12: Field method for the titrimetric determination of water-soluble ferrous ions (ISO 8502-12:2003)	EN ISO 8502-12:2004
MSA EN ISO 8503-5:2005	Preparation of steel substrates before application of paints and related products - Surface roughness characteristics of blast-cleaned steel substrates - Part 5: Replica tape method for the determination of the surface profile (ISO 8503-5:2003)	EN ISO 8503-5:2004
MSA EN ISO 8536-9:2005	Infusion equipment for medical use - Part 9: Fluid lines for use with pressure infusion equipment (ISO 8536-9:2004)	EN ISO 8536-9:2004
MSA EN ISO 8536-10:2005	Infusion equipment for medical use - Part 10: Accessories for fluid lines for use with pressure infusion equipment (ISO 8536-10:2004)	EN ISO 8536-10:2004
MSA EN ISO 8536-11:2005	Infusion equipment for medical use - Part 11: Infusion filters for use with pressure infusion equipment (ISO 8536-11:2004)	EN ISO 8536-11:2004
MSA EN ISO 8619:2005	Plastics - Phenolic resin powder - Determination of flow distance on a heated glass plate (ISO 8619:2003)	EN ISO 8619:2004
MSA EN ISO 8835-4:2004/AC:2005	Inhalational anaesthesia systems - Part 4: Anaesthetic vapour delivery devices (ISO 8835-4:2004)	EN ISO 8835-4:2004/AC:2004
MSA EN ISO 8835-5:2004/AC:2005	Inhalational anaesthesia systems - Part 5: Anaesthesia ventilators (ISO 8835-5:2004)	EN ISO 8835-5:2004/AC:2004
MSA EN ISO 8980-3:2005	Ophthalmic optics - Uncut finished spectacle lenses - Part 3: Transmittance specifications and test methods (ISO 8980-3:2004)	EN ISO 8980-3:2004
MSA EN ISO 9046:2005	Building construction - Jointing products - Determination of adhesion/cohesion properties of sealants at constant temperature (ISO 9046:2002)	EN ISO 9046:2004
MSA EN ISO 9073-10:2005	Textiles - Test methods for nonwovens - Part 10: Lint and other particles generation in the dry state (ISO 9073-10:2003)	EN ISO 9073-10:2004
MSA EN ISO 9073-11:2005	Textiles - Test methods for nonwovens - Part 11: Run-off (ISO 9073-11:2002)	EN ISO 9073-11:2004
MSA EN ISO 9073-12:2005	Textiles - Test methods for nonwovens - Part 12: Demand absorbency (ISO 9073-12:2002)	EN ISO 9073-12:2004
MSA EN ISO 9606-2:2005	Qualification test of welders - Fusion welding - Part 2: Aluminium and aluminium alloys (ISO 9606-2:2004)	EN ISO 9606-2:2004
MSA EN ISO 9906:1999/AC:2005	Rotodynamic pumps - Hydraulic performance acceptance tests - Grades 1 and 2 (ISO 9906:1999)	EN ISO 9906:1999/AC:2004
MSA EN ISO 9994:2002/AC:2005	Lighters - Safety specification (ISO 9994:2002)	EN ISO 9994:2002/AC:2004
MSA EN ISO 10052:2005	Acoustics - Field measurements of airborne and impact sound insulation and of service equipment sound - Survey method (ISO 10052:2004)	EN ISO 10052:2004
MSA EN ISO 10426-4:2005	Petroleum and natural gas industries - Cements and materials for well cementing - Part 4: Preparation and testing of foamed cement slurries at atmospheric pressure (ISO 10426-4:2004)	EN ISO 10426-4:2004
MSA EN ISO 10432:2005	Petroleum and natural gas industries - Downhole equipment - Subsurface safety valve equipment (ISO 10432:2004)	EN ISO 10432:2004
MSA EN ISO 11126-9:2005	Preparation of steel substrates before application of paints and related products - Specifications for non-metallic blast-cleaning abrasives - Part 9: Staurolite (ISO 11126-9:1999)	EN ISO 11126-9:2004

MSA EN ISO 11126-10:2005	Preparation of steel substrates before application of paints and related products - Specifications for non-metallic blast-cleaning abrasives - Part 10: Almandite garnet (ISO 11126-10:2000)	EN ISO 11126-10:2004
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MSA EN ISO 15681-1:2005	Water quality - Determination of orthophosphate and total phosphorus contents by flow analysis (FIA and CFA) - Part 1: Method by flow injection analysis (FIA) (ISO 15681-1:2003)	EN ISO 15681-1:2004
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MSA EN 14035-34:2003/AC:2005	Fireworks - Part 34: Table bombs - Specification and test methods	EN 14035-34:2003/AC:2005
MSA CWA 14050-6:2005	Extensions for Financial Services (XFS) interface specification - Release 3.03 - Part 6: PIN Keypad Device Class Interface - Programmer's Reference	CWA 14050-6:2005

MSA CWA 14050-42:2005	Extensions for Financial Services (XFS) interface specification - Release 3.03 - Part 42: PIN Keypad Device Class Interface - Migration from Version 3.02 to Version 3.03 - Programmer's Reference	CWA 14050-42:2005
MSA EN 14348:2005	Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants in the medical area including instrument disinfectants - Test methods and requirements (phase 2, step 1)	EN 14348:2005
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MSA EN 14998:2005	Derivatives from coal pyrolysis - Coal tar based oils: fluxings oils - Specifications and test methods	EN 14998:2005
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MSA EN ISO 178:2003/A1:2005	Precision statement (ISO 178:2001/Amd 1:2004)	EN ISO 178:2003/A1:2005
MSA EN ISO 6683:2005	Earth-moving machinery - Seat belts and seat belt anchorages - Performance requirements and tests (ISO 6683:2005)	EN ISO 6683:2005
MSA EN ISO 9100-1:2005	Glass containers - Vacuum lug finishes - Part 1: General (ISO 9100-1:2005)	EN ISO 9100-1:2005
MSA EN ISO 9100-5:2005	Glass containers - Vacuum lug finishes - Part 5: 43 and 48 regular (ISO 9100-5:2005)	EN ISO 9100-5:2005
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MSA EN ISO 9100-13:2005	Glass containers - Vacuum lug finishes - Part 13: 100 regular (ISO 9100-13:2005)	EN ISO 9100-13:2005
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MSA EN ISO 11146-1:2005	Lasers and laser-related equipment - Test methods for laser beam widths, divergence angles and beam propagation ratios - Part 1: Stigmatic and simple astigmatic beams (ISO 11146-1:2005)	EN ISO 11146-1:2005
MSA EN ISO 16484-3:2005	Building automation and control systems (BACS) - Part 3: Functions (ISO 16484-3:2005)	EN ISO 16484-3:2005
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