

# GENERAL AGREEMENT ON TARIFFS AND TRADE

RESTRICTED

TBT/W/45/Rev.1

12 May 1982

Special Distribution

---

Committee on Technical Barriers to Trade

INFORMATION ON EXISTING INTERNATIONAL STANDARDS

Note by the secretariat

Revision

1. At its meeting of 20-22 October 1981, the Committee endorsed the Chairman's suggestion that the secretariat should prepare, for the next meeting, information on the main areas in which international standards exist that are susceptible of forming the basis for technical regulations of signatories (TBT/M/8, paragraphs 47-48). A first listing of relevant international standards was circulated in TBT/W/45. The present revised listing contains new entries relating to IEC standards and to standards of the International Union of Railways (UIC).

2. The purposes for which national technical regulations were drawn up as indicated in notifications made under the Agreement are recalled below (see TBT/W/37, paragraph 8):

1. Protection of human health (food quality, allergenic, toxic, carcinogenic, corrosive substances, radiation exposure, etc)
2. Protection of human safety
  - 2.1 General, workers' or infants'
  - 2.2 Motor vehicle safety (occupational safety, road safety)
  - 2.3 Air navigation safety
  - 2.4 Safety of life at sea
  - 2.5 Safe transport of hazardous substances
3. Protection of the environment (water protection, noise impact, radiation exposure etc.)
4. Energy conservation
5. Consumer protection information (classification, packaging, marking labelling and advertising)
6. Ensuring efficacy, maintaining and improving quality standard, design and operation requirements.

3. The basis for identification of relevant international standards varies from case to case. In some cases an examination of the content of the standard was possible, in other cases standards were identified on the basis of their titles and of descriptions of their content, and sometimes only a brief reference to a standard was found in documentation available to the secretariat. The listing therefore remains tentative; it does not claim to be exhaustive nor does it in any way prejudice the relevance of particular standards in specific situations.

Annex

International Standards classified by purpose

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
1. <u>Protection of human health</u>	FAO/WHO Codex Alimentarius	CAC-RS Serial numbers	Processed foods in the following categories (number of standards in brackets): fish and fishery products (11), sugars (10), fruits and vegetables, canned or otherwise preserved (27), edible fats and oils (16), edible fungi (3), quick frozen fruits and vegetables (7), fruit juices (12), foods for special dietary uses (4), cocoa products and chocolate (2), meat and meat products (2)
		Maximum limits for Pesticide Residues (MRL)	45 chemical substances
	Joint FAO/IAEA/WHO Expert Committee on Irradiated Foods	CX/FA 82/14 (draft)	Foods processed by irradiation

<sup>1</sup> For description, see TBT/W/8

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
	IAEA	Safety series publication no.33	Radioisotopic power generators (Guide for product design and construction)
		Safety series publication no.9	Nuclear power plants (Basic safety standards for radiation protection)
		Safety series publication no.40	Use of radioactive traces in industrial processes (Safety code)
	WHO		Biologicals
	ISO	<u>TC 5:</u> 2037	Steel tubes for food industry
		<u>TC 42:</u> 3663	Dental radiographic film
		<u>TC 45:</u> 2882	Rubber products for hospital use
		<u>TC 58:</u> 32	Gas cylinders for medical use
		<u>TC 76:</u> 1135	Transfusion equipment for medical use
		<u>TC 84:</u> R595	Syringes for medical use
		<u>TC 85:</u> 1757	Photographic dosimeters

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
		TC 121: 5358, 5362, 5364, 5366, 5367	Anaesthetic equipment and medical breathing machines
	IEC	TC 29: 645	Audiometers
		<u>TC45</u> : 325	Alpha, beta and alpha-beta contamin- ation meters and monitors
		405	Nuclear instruments: constructional requirements to afford personal protection against ionizing radiation
		463	Low energy X or gamma radiation port- able exposure rate meters and monitors for use in radiological protection
		504	Hand and/or foot contamination monitors and warning assemblies
		<u>TC 62</u> : 407	Radiation protection in medical X-ray equipment 10 kV to 400 kV
		580	Area exposure product meter
		601-1	Safety of medical electrical equipment Part 1. General requirements
		637	Marking of and accompanying documents for X-ray tubes and X-ray tube assemblies for medical use

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
2. <u>Protection of human safety</u>	UIC	UIC Code Leaflet No. 422	Products to be used for disinfection of wagons
2.1 <u>General</u>	ISO	<u>TC 20:</u> 223	Safety devices for ground power units (aircraft)
		<u>TC 80:</u> R408, R557	Safety colours and signs
		<u>TC 83:</u> 6006	Ski bindings
		<u>TC 86:</u> R824,	Household refrigerators
		R1662	Refrigerating plants
		<u>TC 94:</u> R1511, 3873, 4850, 4861, 4852, 6530, 6161	Protection helmets for road users; industrial safety helmets; eye-protectors; protective clothing
		<u>TC 23:</u> 5395/3	Rotary lawn mowers
		<u>TC 41:</u> R340	Conveyor belts
		<u>TC 104:</u> 3874	Freight containers - corner fittings

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
		<u>TC 101:</u> 2149, 2150, 2196, 2381, 2387, 2388, 2389, 2390, 2391, 2392, 3263, 3264, 3265, 3276, 3277, 3278, 3279, 3280, 3281, 3283, 5028, 5029, 5030, 5031, 5032, 5033, 5034, 5035, 5036, 5037, 5038, 5039, 5040, 5041, 5042, 5043	Various types of conveyors and conveyor systems, elevators, pneumatic handling equipment, etc. (Safety codes)
	ISO	<u>TC 109:</u> 3544	Atomizing oil burners
		<u>TC 110:</u> 3691	Powered industrial trucks (Safety code)
		<u>TC 110:</u> 6055	Overhead guards in high-lift trucks
		<u>TC 127:</u> 2860, 3411, 3449, 3450, 3471, 3164, 6682	Earth-moving machinery
		<u>TC 149:</u> 4210	Bicycles
		<u>TC 153:</u> 4126	Safety valves
	IEC	<u>TC 2:</u> 34-5	Classification of degrees of protection provided by enclosures for rotating machines. Part 5

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
		<u>TC 12:</u> 65	Safety requirements for mains operated electronic and related apparatus for household and similar general use
		215	Safety requirements for radio transmitting equipment
		284	Rules of behaviour with respect to possible hazards when dealing with electronic equipment and equipment employing similar techniques
		491	Safety requirements for electronic flash apparatus for photographic purposes
		657	Non-ionizing radiation hazards in the frequency range from 10 MHz to 300 000 MHz
		<u>TC 13:</u> 414	Safety requirements for indicating and recording electrical measuring instruments and their accessories
		<u>TC 17:</u> 144	Degrees of protection of enclosures for low-voltage switchgear and controlgear
		439	Factory-built assemblies of low-voltage switchgear and controlgear

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
		<u>TC 20:</u> 227	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V
		331	Fire-resisting characteristics of electric cables
		<u>TC 26:</u> 501	Safety requirements for arc welding equipment - Plugs, socket-outlets and couplers for welding cables
		<u>TC 27:</u> 519	Safety in electro-heat installations
		<u>TC 28:</u> 664	Insulation coordination within low-voltage systems including clearances and creepage distances for equipment
		<u>TC 31:</u> 79	Electrical apparatus for explosive gas atmospheres
		79-3	Spark test apparatus for intrinsically-safe circuits. Part 3
		79-11	Construction and test of intrinsically safe and associated apparatus. Part 11
		<u>TC 32:</u> 127	Cartridge fuse-links for miniature fuses
		269-3	Supplementary requirements for fuses for domestic and similar applications



<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
		<u>TC 34:</u> 61	Lamp caps and holders together with gauges for the control of interchangeability and safety
		162A	Luminaires for tubular fluorescent lamps
		598	Luminaires
		598-2-19	Air-handling luminaires (safety requirements). Section Nineteen
		598-2-22	Luminaires for emergency lighting. Section Twenty-two
		<u>TC 43:</u> 342	Safety requirements for electric fans and regulators
		<u>TC 54:</u> 378	Safety requirements for the electrical equipment of room air-conditioners
		<u>TC 61:</u> 335	Safety of household and similar electrical appliances
		335-1	General requirements. Part 1
		335-2	Specifications for specific household appliances (for details see <u>IEC Catalogue</u> )
		435	Safety of data processing equipment

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
		553	Report on evaluation of non-metallic enclosures and other parts of household and similar appliances with regard to resistance to fire
		<u>TC 62: 601-1</u>	Safety of medical electrical equipment. Part 1. General requirements
		<u>TC 64: 364-4</u>	Protection for safety. Part 4
		536	Classification of electrical and electronic equipment with regard to protection against electric shock
		<u>TC 66: 348</u>	Safety requirements for electronic measuring apparatus
		<u>TC 71: 621-2</u>	General protection requirements Part 2
		<u>TC 74: 380</u>	Safety of electrically energized machines
	UIC	UIC Code, Volumes IV-VIII	See item 6 below. Several standards contained in these volumes concern safety requirements for the design or operation of railways

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>		
2.2 <u>Motor vehicle safety</u>	ISO	TC 22: R303, 512	Light and sound signalling devices		
		1185, 1724	Electrical connections		
		TR 1417	Anchorage for seat belts		
		2416, 2958, 3208	Passenger cars (load distribution, external and internal protection)		
		3536	Safety glasses		
		4148	Special warning lights		
		TC 23: 3776	Agricultural tractors: anchorage for seat belts		
		4253	Agricultural tractors: operator seating space		
		2.3 <u>Air navigation safety</u>	ICAO	Annex 8 (Airworthiness of aircraft) to ICAO Convention	Aircraft design and equipment
				ISO	TC 20: 1198
	1466, 3456,		Manual switches		
	1467, 1509, 1547		Circuit-breakers Precision fuse-links		

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
		1949	Plug and socket connectors
		1950	Identification of safety/hazard points on aircraft
		1967, 2155	Fire-resisting electric cables
		2032	Heat-resisting equipment wires
		4084	Contactors
		11	Pressure cabin
		1021	Engine nacelle
		5887	Joints for oxygen masks
2.4 <u>Safety of life at sea</u>	IMCO	Construction Codes and Recommendations on fire safety and safety requirements	Cargo ships and passenger ships carrying not more than 36 passengers Machinery and electrical installation in cargo and passenger ships Dynamically supported craft Offshore drilling units
	ISO	<u>TC 8:</u> R338	Lifeboats
		2412	Signal lights on board ships
		R784	Signs for sanitary systems

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
		TC 8: 4001 5894, 1095 5480	Life-saving apparatus, (inland navigation), manholes, scuttles and guardrails (shipbuilding requirements)
		TC 58:3500	Steel cylinders for fire-fighting installations (shipbuilding requirements)
	IEC	TC 18: 92 92-101	Electrical installations in ships Definitions and general requirements Part 101
		92-201, 92-301, 92-302, 92-303, 92-304, 92-305, 92-306, 92-307, 92-352, 93-373, 92-374, 92-375 92-401, 92-502, 92-503, 92-504	Specific requirements for different types of electrical systems and requirements on board ships
		TC 43: 342-2	Electric fans and regulators for use in ships
2.5 <u>Safe transport of hazardous substances</u>	IMCO	1972 International Convention on Safe Containers	Containers
		IMDG	Dangerous goods (packing and labelling standards and product specifications)

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
3. <u>Protection of the environment</u>	UIC	UIC Code, Leaflet No.431-2	Ships carrying dangerous chemicals in bulk and liquified gas in bulk (construction code)
	IMCO	Recommendation on International Performance and Test Specifications	Oily-water separating equipment and oil-content meters
		Recommendation on International Effluent Standards and Guidelines for Performance Tests	Sewage Treatment Plants
	ICAO	Annex 16 (Aircraft Noise) to ICAO Convention	Aircraft (Performance tests and certification procedures)
	IEC	<u>TC 2</u> : 34-9	Noise limits. Part 9
		<u>TC 59</u> : 704-1	Test code for the determination of air borne acoustical noise emitted by household and similar electrical appliances
		<u>TC 61</u> : 335-16	Particular requirements for food waste disposers. Part 2

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
	ISO	<u>TC 22:</u> 3173	Testing apparatus for measuring exhaust gas from diesel engines
		<u>TC 104:</u> 1496	Freight containers
		<u>TC 146:</u> 4219	Air quality sampling equipment
4. <u>Energy Conservation</u>	ISO	<u>TC 70:</u> 3046/1	Internal combustion engines (performance requirement)
		<u>TC 77:</u> R1896	Thermal insulating asbestos boards
5. <u>Consumer protection</u>	I00C	Internationally unified qualitative standard	Table olives
		International guarantee label (stamp)	Olive oil qualities (grades) (labelling)
	ISO	<u>TC 54:</u> 210, 211	Essential oils (packaging and labelling)
	IEC	<u>TC 43:</u> 665	A.C. electric ventilating fans and regulators for household and similar purposes
		<u>TC 61:</u> 335	Safety of household and similar electrical appliances (includes some thirty-four parts in separate booklets, dealing with all types of electrical appliances)

<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
6. <u>Ensuring efficacy etc.</u>  (test methods, design and operation requirements, etc.)	ISO	<u>TC 20:</u> 2156	Aircraft: fire-resisting electric cables
		2436	Aircraft: heat-resisting equipment wires
		2653	Ice formation on aircraft equipment
		<u>TC 22:</u> 3537, 3538, 3917	Safety glasses for road vehicles
		3929	Road vehicles - determination of exhaust carbon monoxide
		3984	Road vehicles - collision test
		4091	Road vehicles - electrical connections with trailers
		6597	Passenger car braking systems
		6311, 6313, 6314	Brake linings
		6855	Measurement of gaseous pollutants
		<u>TC 27:</u> 5165	Diesel fuels, ignition quality
		<u>TC 28:</u> 2083	Lead content of gasoline
		<u>TC 34:</u> 3811	Bacteria in meat and meat products



<u>Purpose</u>	<u>International Standardizing body</u>	<u>Number or identifier</u>	<u>Products covered</u>
		<u>TC 43</u> : 3095, 3891	Acoustics (rail and aircraft)
		<u>TC 47</u> : 4275	Arsenic content of ammonium hydrogen carbonate
		<u>TC 85</u> : 6215	Nuclear plants - quality assurance
		2855	Packagings for radioactive materials
		<u>TC 86</u> : 2410	Household refrigerators
		<u>TC 98</u> : 4355	Structures - snow loads on roofs
		<u>TC 113</u> : 3454	Liquid flow measurement
		<u>TC 116</u> : 3148	Thermal output of radiators, etc.
	IEC*	<u>TC 9</u> : 631	Characteristics and tests for electrodynamic and electromagnetic braking systems
		<u>TC 31</u> : 79-1A	First supplement: Appendix D. Method of test for ascertaining of maximum experimental safe gap

\* Many IEC Publications include test methods.  
Reference is made to the list of IEC Publications  
in the IEC Catalogue which is issued annually.

<u>Purpose</u>	<u>Standardizing body</u>	<u>identifier</u>	<u>International Number or Products covered</u>
		<u>TC 50</u> : 68-1	Basic environmental testing procedures. Part 1: General
		68-2	A range of Publications covering individual test methods for climatic and mechanical robustness
		695	Fire hazard testing
		<u>TC 69</u> : 718	Charges for electric road vehicles
	UIC	UIC Code, Volumes IV, V, VI, VII and VIII	Design, operation and safety requirements for rolling stock and parts, way and works, motive power, etc.