

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
Electric wires & cables (CABL)	<b>Polyvinyl chloride insulated cables of rated voltage up to and including 450/750V</b>  <b>V 70 only</b>	<b>Supply flexible cord</b> An electrical cord which— (g)is unshielded and flexible; (h)is designed for use at low voltage; (i)consists of two or three elastomer or PVC insulated cores of multistrand construction; (j)has a cross-sectional area of each conductor not exceeding 2.5 mm <sup>2</sup> ; and (k)has for other than tinsel cords, individual wire strandings not exceeding— (i) 0.21 mm for conductor sizes up to 1 mm <sup>2</sup> ; or (ii) 0.26 mm for conductor sizes exceeding 1 mm <sup>2</sup> ; but does not include— (l)a flexible cord directly connected to equipment or approved non-rewirable accessories which is marked in accordance with the CENELEC HAR marking scheme for flexible cords.	GB5023.1~.7-1997	No Deviations	CNCA-01C-002: 2007	AS/NZS 3191 (NEQ)  Or IEC 60227-1 + AS/NZS 60227.5	S	SDoC

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Switches for Circuit, Installation Protective and Connection Devices	<b>General</b>			<p><i>For a.c. equipment, the rated frequency shall be 50 Hz or the rated frequency range shall include 50 Hz.</i></p> <p><i>For single-phase equipment, the rated voltage shall be at least 230 V or the rated voltage range shall include 230 V.</i></p> <p><i>For three-phase equipment, the rated voltage shall be at least 400 V or the rated voltage range shall cover 400 V.</i></p> <p><i>An English version of any necessary the safety instructions and markings must be supplied.</i></p>				
	<b>Appliance Couplers for Household and Similar General Purpose</b>	An electrical device which— (a) to two-pole appliance couplers for a.c.only; (b) with or without earthing contact; and (c) has a maximum rating of 16 A; (d)has a voltage greater than 50V but not exceeding 250V for 50Hz or 60Hz; (f)for household and similar general purposes and intended for the connection of a supply cord to electrical appliances or other electrical equipment;	GB17465.1-1998 GB17465.2-1998	<i>Any references to plugs and sockets shall refer to AS/NZS 3112.</i>	CNCA-01C-006: 2001	AS/NZS 60320.1:2004 + AS/NZS 60320.2.2:2004	S	APP & SDoC
	<b>Plugs and Socket-outlets for Household and Similar General Purpose</b>	<b>Plug</b> An electrical device which— (a) makes a detachable connection between the contacts of a socket-outlet and the conductors of a flexible cord; (b) has two, three or four pins for insertion into a socket-outlet; and (c) has a maximum rating of 20 A;	AS/NZS 3112(NEQ)		CNCA-01C-003: 2001	AS/NZS 3112(NEQ)	S	APP & SDoC
		<b>Socket-outlet</b> An electrical device which— (a) is for fixing at a point at which fixed wiring terminates; (b) provides a detachable connection with the pins of a plug; (c) has two, three, or four contacts; and (d) has a maximum rating of 20 A;	AS/NZS 3112(NEQ)		CNCA-01C-003: 2001	AS/NZS 3112(NEQ)	S	APP & SDoC
	<b>Switches for Household and Similar Fixed-Electrical Installations</b>	<b>Wall switch</b> An electrical device which— (a) is an air-break switch; (b) is for connection to the wiring of an electrical installation; (c) is primarily for mounting on a vertical surface; (d) is manually opened and manually closed; and (e) has a rating not exceeding 20 A.	GB16915.1-2003	No deviations	CNCA-01C-004: 2001	AS 3133(NEQ)  IEC 60669-1 IEC 60669-2-1 IEC 60669-2-2 IEC 60669-2-3 IEC 60669-2-4	S	APP & SDoC

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Low-voltage Electrical Apparatus								
	<b>Over-current protective circuit-breakers for household and similar uses</b>	Circuit-breaker which- (a) is an enclosed air-break switch; (b) opens a low voltage circuit automatically under predetermined conditions of overcurrent; (c) is for the protection against the overcurrents of wiring installation of buildings or similar applications; (d) is designed for use by uninstructed people and for not being maintained; (e) is for operation at 50Hz; (f) has a rated voltage more than 36V a.c. and not exceeding 440V a.c.(bet-ween phases) and a rated current not exceeding 125A and a rated short-circuit capacity not exceeding 25000A;	GB10963-2005	No Deviations	CNCA-01C-012: 2007	AS/NZS 60898.1:2004 + AS/NZS 60898.2:2004	S	APP & SDoC

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<b>Electric Tools</b>	<b>General</b>			<p>For a.c. equipment, the rated frequency shall be 50 Hz or the rated frequency range shall include 50 Hz.</p> <p>For single-phase equipment, the rated voltage shall be at least 230 V or the rated voltage range shall include 230 V. For three-phase equipment, the rated voltage shall be at least 400 V or the rated voltage range shall cover 400 V.</p> <p>An English version of any necessary the safety instructions and markings must be supplied.</p> <p>For portable a.c. single-phase equipment having a rated current not exceeding 10 A, that is connected to the supply by a supply cord fitted with a plug, the plug shall comply with the appropriate requirements specified in AS/NZS 3112.</p>	CNCA-01C-014: 2007			
	<b>Drills including Impact drills</b>	<b>Drill angle drill</b> a. Tools intended for boring holes in various materials, such as metal, plastic, wood and so on. b. There are various speeds, such as single speed, double speed and multi-speed. There is no impact mechanism. In general, series motors are used. Occasionally the three phases asynchronous motors are used. <b>Impact drills</b> a. Tools intended for boring holes in concrete, stone and so on they are similar, in appearance and construction, to drills, but have build-in percussion system. The percussion system can be disengaged, in order to bore holes in metal, plastic and wood etc. b. In general, series motors are used.	GB3883.1-2005 GB3883.6-2007	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.1 2003	S & E	SDoC
			GB4343.1-2003	No deviations				
			GB17625.1-2003	No deviations				
<b>Screwdrivers and Impact wrenches</b>	<b>Screw-drivers, screw-drivers driven with permanent magnet motor</b> a. Tools intended for tightening and loosing screws with screw bits. b. No impact mechanism in it. The torque can be adjusted and limited. c. In general, the series motors are used. When use of permanent magnet motors, the supply is provide with power box. <b>Impact wrenches (the wrenches without impact mechanism are not covered.)</b> a. Tools intended for tightening and loosing screws, nuts and like with wrench sets. b. The rotary impact, mechanisms are equipped. In general, the series motors are used. Occasionally the three phases asynchronous motors are used.	GB3883.1-2005 GB3883.2-2005	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.2 2003	S & E	SDoC	
		GB4343.1-2003	No deviations					
		GB17625.1-2003	No deviations					
<b>Grinders including Angle</b>	<b>Angle grinders, cutting grinders</b> a. Tools intended for grinding non-	GB3883.1-2005 GB3883.3 -2007	GB3883.3 amended as below:		AS/NZS 60745.1:2003 + AS/NZS 60745.2.3 2006	S & E	SDoC	

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	<b>grinders, Straight grinders, Die grinders, Grinders with water supply, Polishers and Disk-sanders</b>	<p>smooth metallic surface and weld and like with grinder wheels or for cutting material with cutting wheels. When grinding the ground surface, the water supply is needed.</p> <p>b. In general, the series motors are used. When grinding the ground surface, the tools shall be supplied with an isolated transformers with rated voltages no more than 115V.</p> <p><b>Grinders, die grinders, valve grinders</b></p> <p>a. Tools intended for grinding non-smooth metallic surface with various shape small grinding wheels.</p> <p>b. In general, the series motors are used.</p> <p><b>Strait grinders</b></p> <p>a. Tools intended for grinding non-smooth metallic surface and weld with cylindrical surface of grinder wheel.</p> <p>b. In general, the series motors are used. Occasionally the three phases asynchronous motors are used.</p> <p><b>Polishers</b></p> <p>a. Tools intended for polishing variant material surface with polishing wheel.</p> <p>b. In general, the series motors are used.</p>		<p><b>8.1</b> <i>Insert</i> the following variation:</p> <p>Tools fitted with an electronic speed or load regulator that interrupts the operation of the tool and that allows automatic resumption of the operation of the tool within 2 s shall be fitted with a label permanently attached to the supply cord. The label shall contain the substance of the following warning:</p> <p>WARNING: This tool will restart automatically if stalled. Do not remove this label.</p> <p><b>8.12.2.c)</b> After clause 8.12.2.c) <i>insert</i> the following variation:</p> <p><b>8.13</b> <i>Addition:</i></p> <p>The size of the label for tools fitted with an electronic speed or load regulator that interrupts the operation of the tool and that allows automatic resumption of the operation of the tool within 2 s shall be approximately 50 mm x 70 mm.</p> <p>The lettering of the word "WARNING" shall be upper case and be not less than 5 mm high. Other lettering shall be at least 2 mm high</p> <p><b>23</b> <i>Replace</i> the text with the following variation:</p> <p>This clause of Part 1 is applicable except as follows</p> <p><b>23.3</b> <i>Addition:</i></p> <p>Electronic speed and load regulators that interrupt the operation of the tool and that allow automatic resumption of the operation of the tool within 2 s are not considered to be overload protection devices.</p>				
			GB4343.1-2003	No deviations		AS/NZS CISPR 14-1		
			GB17625.1-2003	No deviations		AS/NZS 61000.3.2:2007		
						AS/NZS 60745.1:2003 + AS/NZS 60745.2.4 2003	S & E	SDoC
<b>Sanders including Orbital sanders, Belt sanders and Random sanders</b>	<b>Disk-type sanders</b>	<p>a. Tools intended for moving surface material with round-type abrasive papers fitted the basic pad.</p> <p>b. The rotating spindle of the tool is in-line with the motor-shaft. In general, the series motors are used.</p> <p><b>Sanders other than disk type, random orbital sanders, orbital sanders</b></p> <p>a. Tools intended for sanding surface material with various shape abrasive papers.</p>	GB3883.1-2005	No deviations		AS/NZS CISPR 14-1		
			GB3883.4-2005			AS/NZS 61000.3.2:2007		
			GB4343.1-2003	No deviations				
			GB17625.1-2003	No deviations				

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		<p>b. Sanders equipped with a plate, which performs an orbital oscillating motion parallel to the work surface, in general, series motors are used.</p> <p><b>Polishers other than disk type, random orbital polishers, orbital polishers</b></p> <p>a. Tools intended for polishing surface material with polishing wheels.</p> <p>b. Polishers equipped with a plate, which performs an orbital oscillating motion parallel to the work surface, in general, series motors are used.</p> <p><b>Belt sanders</b></p> <p>a. Tools intended for sanding surface material with endless abrasive belts.</p> <p>b. In general, series motors are used.</p>						
<b>Circular saws</b>		<b>Circular saws</b> a. Tools intended for cutting various material with rotating toothed blades. b. There is a fixed guard of the blade above guide plate. There is a movable guard of the blade below the guide plate. There is a riving knife placed in the plane of the saw blade. In general, series motors are used.	GB3883.1-2005	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.5 2007 AS/NZS CISPR 14-1 AS/NZS 61000.3.2:2007	S & E	SDoC
			GB 3883.5-2007					
			GB4343.1-2003	No deviations				
			GB17625.1-2003	No deviations				
<b>Rotary hammers Including Hammers</b>		<b>Hammers, including Rotary hammers, Hammer drills, rock breaker</b> a. Tools intended for boring holes in concrete, stone and so on. b. Hammer: equipped with a build-in percussion system which is not influenced by the operator. It has no the capability of rotational motion. c. Rotary hammer: equipped with a build-in percussion system which is not influenced by the operator. It has the capability of rotational motion. d. Hammer drill: it similar to rotary hammer but it able to rotate only with the percussion system disengaged. In general, series motors are used. e. Rock hammer: it is used for boring holes in rock and breaking the rock. It is similar to hammer.	GB3883.1-2005	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.6 2003 AS/NZS CISPR 14-1 AS/NZS 61000.3.2:2007	S & E	SDoC
			GB3883.7-2005					
			GB4343.1-2003	No deviations				
			GB17625.1-2003	No deviations				
<b>Spray guns for non-flammable</b>		<b>Non-flammable liquid spray gun</b> a. Tools intended for spraying Non-flammable liquid.	GB3883.1-1991	No deviations		AS/NZS 3160:2001 AS/NZS CISPR 14-1	S & E	SDoC
			GB3883.13-1992					
			GB4343.1-2003	No deviations				

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	<b>liquids</b>	b. It consists of electromagnet, container, straw and nozzle. In general, electromagnets are used.	GB17625.1-2003	No deviations		AS/NZS 61000.3.2:2000		
	<b>Sheet metal shears including Shears with double blade edges, Nibblers</b>	<b>Shears including shears with double edges</b> a. Tools intended for shearing of metal sheet plates. b. The upper blade makes reciprocating motion in order to shearing the metal sheet plate. In general, series motors are used. <b>Nibblers</b> a. Tools intended for punching of metal sheets, plates and strips. b. The upper punch makes reciprocating motion in order to punching metal sheets and so on. In general, series motors are used.	GB3883.1-2005	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.8 2003 AS/NZS CISPR 14-1 AS/NZS 61000.3.2:2007	S & E	SDoC
GB3883.8-2005			No deviations					
GB4343.1-2003			No deviations					
GB17625.1-2003			No deviations					
	<b>Tappers</b>	<b>Tappers</b> a. Tools intended for cutting internal screw threads in metal, plastics and so on. b. In general, series motors are used.	GB3883.1-2005	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.9 2003 AS/NZS CISPR 14-1 AS/NZS 61000.3.2:2007	S & E	SDoC
GB3883.9-2003								
GB4343.1-2003			No deviations					
GB17625.1-2003			No deviations					
	<b>Reciprocating saws including Jig saws and Sabre saws</b>	<b>Reciprocating saws (jig saws, saber saws)(including pipe saws)</b> a. Tools intended for cutting various material with a saw blade acting in a reciprocating or oscillating motion. b. In general, series motors are used.	GB3883.1-2005	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.11 2003 AS/NZS CISPR 14-1 AS/NZS 61000.3.2:2007	S & E	App & SDoC
GB3883.11-2005								
GB4343.1-2003			No deviations					
GB17625.1-2003			No deviations					
	<b>Internal concrete vibrators</b>	<b>Concrete vibrators (internal vibrators)</b> a. Tools intended for compacting concrete. The active parts (vibrator bottle) of the vibrator perform low-amplitude vibrations and is immersed into the mass of concrete to be vibrated. b. Three phases asynchronous motors are used. Some times the series motors are used. Some tools are some times a motor generator is used as power supply.	GB3883.1-2005	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.12 2003 AS/NZS CISPR 14-1 AS/NZS 61000.3.2:2007	S & E	App & SDoC
GB3883.12-2007								
GB4343.1-2003			No deviations					
GB17625.1-2003			No deviations					
	<b>Chain saws</b>	<b>Chain saws</b> a. Tools intended for cutting wood with a saw chain and consisting of an integrated unit of handles, motor and cutting attachment b. In general, series motors are used.	GB3883.1-2005	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.13 2006 AS/NZS CISPR 14-1 AS/NZS 61000.3.2:2007	S & E	App & SDoC
GB 3883.14-2007								
GB4343.1-2003			No deviations					
GB17625.1-2003			No deviations					
	<b>Planers</b>	<b>Planers</b> a. Tools intended for removing surface material. It is equipped with a rotating cutter where the axis of the cutter is parallel to	GB3883.1-2005	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.14 2003 AS/NZS CISPR 14-1 AS/NZS 61000.3.2:2007	S & E	App & SDoC
GB 3883.10-2007								
GB4343.1-2003			No deviations					
GB17625.1-2003			No deviations					

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		the base plate. b. The switch with lock-on device is not allowed to be used in the tool unless the frame, complying with relevant requirements, for fixing the tool as a stationary tool is provided. In general, series motors are used.						
<b>Routers, trimmers</b>	<b>Router</b> a. Tools intended for cutting slots into or shaping the edge of wood materials. The tools are fitted with rotary cutter and with a base. b. The base is around the cutter. In general, series motors are used. <b>Trimmers</b> a. Tools intended for trimming edge of laminate sheet or similar materials. The tools are fitted with rotary cutter and some times with a base. b. The base is around the cutter. The volume is smaller than the router. In general, series motors are used.		GB3883.1-2005 GB3883.17-2005	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.17 2003	S & E	App & SDoC
			GB4343.1-2003	No deviations		AS/NZS CISPR 14-1		
			GB17625.1-2003	No deviations		AS/NZS 61000.3.2:2007		
<b>Hedge trimmers</b>	<b>Hedge trimmers</b> a. Tools intended for trimming hedges and bushes. b. In general, series motors are used.		GB3883.1-2005 GB 3883.15-2007	No deviations		AS/NZS 60745.1:2003 + AS/NZS 60745.2.15 2006	S & E	SDoC
			GB4343.1-2003	No deviations		AS/NZS CISPR 14-1		
			GB17625.1-2003	No deviations		AS/NZS 61000.3.2:2007		



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Electric welding machines	<b>General</b>			<p>For a.c. equipment, the rated frequency shall be 50 Hz or the rated frequency range shall include 50 Hz. For single-phase equipment, the rated voltage shall be at least 230 V or the rated voltage range shall include 230 V. For three-phase equipment, the rated voltage shall be at least 400 V or the rated voltage range shall cover 400 V.</p> <p>Equipment shall not be of Class O or Class OI with respect to protection against electric shock.</p> <p>An English version of any necessary the safety instructions and markings must be supplied.</p> <p>For portable a.c. single-phase equipment having a rated current not exceeding 20 A, that is connected to the supply by a supply cord fitted with a plug, the plug shall comply with the appropriate requirements specified in AS/NZS 3112, or the welder shall have an appliance inlet complying with AS/NZS 60320-1 or IEC 60320-1 or GB 17465</p>	CNCA-01C-015 2007			
	<b>Portable AC arc welding machines</b>	Portable arc welding transformers for short time welding with cored electrodes; rated welding current not more than 200A, duty cycle is 20%.	IEC 60974-1 + IEC 60974-6	No Deviation.		AS/NZS 3195:2002	S	SDoC

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Household and Similar Use Appliances				<p>For a.c. equipment, the rated frequency shall be 50 Hz or the rated frequency range shall include 50 Hz. For single-phase equipment, the rated voltage shall be at least 230 V or the rated voltage range shall include 230 V. For three-phase equipment, the rated voltage shall be at least 400 V or the rated voltage range shall cover 400 V.</p> <p>Equipment shall not be of Class O or Class OI with respect to protection against electric shock.</p> <p>An English version of any necessary the safety instructions and markings must be supplied.</p> <p>For portable a.c. single-phase equipment having a rated current not exceeding 10 A, that is connected to the supply by a supply cord fitted with a plug, the plug shall comply with the appropriate requirements specified in AS/NZS 3112..</p> <p>For a.c. single-phase equipment having a rated current not exceeding 10 A, that is connected to the supply by pins for insertion into a socket outlet, the pins shall be insulated and comply with the appropriate requirements specified in Appendix J of AS/NZS 3112.</p> <p>Appliances must comply with the Resistance to Fire requirement specified in subclause 30.2 of GB4706.1-2005</p>	CNCA-01C-016: 2007			
Household refrigerator Food freezer (Refrigerating appliances, ice-cream appliances, ice-makers)		<p>1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson.</p> <p>2. Rated voltage of single-phase appliances not exceeding 250 V, of others not exceeding 480V;</p> <p>3. Effective volume <math>\leq 500L</math>.</p>	<p>GB4706.1-1998</p> <p>GB4706.13-2004</p>	<p>Tropical rated appliances only.</p> <p>GB4706.13 amended as below:</p> <p>22.301 After clause 22.114 insert the following variation:</p> <p><b>22.301 Accessible glass panels</b> with an area having any two orthogonal dimensions exceeding 75 mm shall be made from glass that shatters into small pieces when broken.</p> <p>NOTE 1 External door finishes made of glass that are covered by a transparent adhesive covering are considered to be accessible.</p> <p><i>Compliance is checked by the following test, which is performed on two samples.</i></p> <p><i>Frames or other parts attached to the glass panel to be tested are removed and the glass is placed on a rigid horizontal flat surface.</i></p> <p>NOTE 2 The edges of the sample to be tested are contained within a frame of adhesive tape in such a manner that the broken pieces remain in place after breakage but without hindering expansion of the sample.</p> <p><i>The sample under test is broken by means of a test punch having a head with a mass of 75 g <math>\pm</math> 5 g and a conical tungsten carbide tip with an angle of 60° <math>\pm</math> 2°. The</i></p>		AS/NZS 60335.1 + AS/NZS 60335.2.24 :2003	S & E	SDoC

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				<p><i>punch shall be positioned approximately 13 mm in from the longest edge of the glass at the midpoint of that edge. The punch is then hit by a hammer so that the glass breaks.</i></p> <p><i>A transparent mask of 50 mm × 50 mm is placed on the fractured glass except within a peripheral margin of 25 mm from the edge of the sample and a semi-circular area having a radius of 100 mm from the point of impact.</i></p> <p><i>The assessment shall be undertaken on at least two areas of the sample, and the areas chosen shall contain the largest particles.</i></p> <p><i>The number of crackfree particles within the mask are counted and for each assessment shall not be less than 40.</i></p> <p>NOTE 3 In the case of curved glass, plane pieces of the same material can be used for the test.</p>				
			GB4343.1-2003	No deviation		AS/NZS CISPR 14-1		
			GB17625.1-2003	No deviation		AS/NZS 61000.3.2:2007		
<b>Electric fan</b>		<p>1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson;</p> <p>2. Rated voltage of single-phase appliances not exceeding 250 V, of others not exceeding 480V;</p> <p>3. Rotating of the fan blades by motor driving bring into air flowing for ventilating and air exhausting.</p>	<p>GB 4706.1-1998</p> <p>GB 4706.27-2003</p>	<p>Tropical rated appliances only.</p> <p>GB 4706.27 amended as below:</p> <p>7.1 After the first paragraph insert the following variation:</p> <p>Fans constructed for use with luminaires shall be marked with the model or type reference of luminaires that may be used.</p> <p>7.12.1 The first dash item is made VOID.</p> <p>Replace the third dash item with the following variation:</p> <p>– for fans intended to be mounted at high level, that the fan is to be installed so that the blades are more that 2.1 m above the floor;</p> <p>8 Replace the text with the following variation:</p> <p>This Clause of part 1 is applicable except as follows:</p> <p>8.1.1 Modification:</p> <p>Replace the second paragraph of the test specification with the following:</p> <p>Lamps are not removed. However, during the insertion or removal of lamps, protection against contact with live parts of the lamp cap shall be ensured.</p> <p>15.1.1 Replace the first paragraph of the Addition with the following variation:</p>		<p>AS/NZS 60335.1</p> <p>+ AS/NZS 60335.2.80 :2004</p>	S & E	SDoC

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				<p>The outer part of fans intended to be mounted in outside windows and walls is subjected to the test of 14.2.3 of IEC 60529, the part of the fan which is not mounted on the outside of the window or wall being protected against spray from the oscillating tube. The fan is tested at rest and then supplied at rated voltage and operated with the shutters or similar devices in the open position.</p> <p>22.102 Replace the requirement by the following. Appliances having provision for attaching a luminaire shall incorporate appropriate terminals and internal wiring. The internal wiring associated with the luminaire shall have insulation at least equivalent to type R-S-150 compound insulation complying with AS/NZS 3191.</p> <p>25.5 Delete Clause 25.5 and replace with the following;  25.5 Addition:  Type Z attachment is allowed for portable fans and partition fans.</p>						
			GB4343.1-2003	No deviation		AS/NZS CISPR 14-1				
			GB17625.1-2003	No deviation		AS/NZS 61000.3.2:2007				
Washing machines (washing machine, spin extractors, tumbler dryer)  Excluding Cabinet type dryers	1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson. 2. Rated voltage of single-phase appliances not exceeding 250 V, of others not exceeding 480V. Used for the clothing and textile items for washing, dewatering. Can be equipped with heat, dehydration and drying device 3. Spin extractors, dehydration function with centrifugal washing machines, which have a capacity not exceeding 10kg of dry cloth.	Spin Extractor	GB4706.1-1998	GB4706.26 amended as below:		AS/NZS 60335.1 + AS/NZS 60335.2.4 :2002	S & E	SDoC		
			GB4706.26-2000	7.12.1 After the third paragraph <i>insert</i> the following variation:  For appliances fitted with a <b>supply cord</b> and plug, the instructions shall include a caution stating that if the appliance is supplied from a cord extension set or electrical portable outlet device the cord extension set or electrical portable outlet device should be positioned so it is not subject to splashing or ingress of moisture.						
			GB4343.1-2003	No deviation						AS/NZS CISPR 14-1
			GB17625.1-2003	No deviation						AS/NZS 61000.3.2:2007
		Washing machine	GB4706.1-1998	GB4706.24 amended as below:						AS/NZS 60335.1 + AS/NZS 60335.2.7 :2002
	GB4706.24-2000	2.2.9 <i>Temperature of water change from 50 to 65 ±5 °C</i>  7.12.1 After the third dash item, <i>insert</i> the following variation:  For appliances fitted with a <b>supply cord</b> and plug, the								

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
				<p>instructions shall include the substance of the following;</p> <p>CAUTION: If this appliance is supplied from a cord extension set or an electrical portable outlet device, the cord extension set or electrical portable outlet device must be positioned so that it is not subject to splashing or ingress of moisture.</p> <p>7.15 After 7.12.1, <i>insert</i> the following variation:</p> <p><b>7.15 Addition:</b></p> <p>The caution relating to connection to the hot water supply shall be on the appliance at its point of attachment to the water supply.</p>				
			GB4343.1-2003	No deviation		AS/NZS CISPR 14-1		
			GB17625.1-2003	No deviation		AS/NZS 61000.3.2:2007		
		<b>Clothes dryer Rotary type</b>	GB 4706.20 amended as below:	<p>7.1 Add the following variation:</p> <p><b>7.1 Addition:</b></p> <p>If applicable, the appliance shall be marked with the substance of the following warning.</p> <p>WARNING: Regularly clean the lint trap</p> <p>The appliance shall be marked with the warning sign given in B3.2 of ISO 3864 and with a supplementary sign containing the substance of the following:</p> <p>READ THE INSTRUCTIONS</p> <p>NOTE – The rules for warning signs and supplementary signs in ISO 3864 apply.</p> <p>7.6 Add following variations:</p> <p> [Symbol 5036 of IEC 60417-1] dangerous voltage</p> <p> [Symbol No. B3.2 of ISO 3864] caution, risk of fire</p> <p>7.12.1 <i>Insert</i> after the last paragraph, the following variation:</p> <p>For appliances fitted with a <b>supply cord</b> and plug, the instructions shall include the substance of the following;</p> <p>CAUTION: If this appliance is supplied from a cord extension set or an electrical portable outlet device, the cord extension set or electrical portable outlet device must be positioned so that it is not subject to splashing or ingress of moisture.</p> <p>The instructions shall include the substance of the</p>		AS/NZS 60335.1 + AS/NZS 60335.2.11 :2002		
		GB4706.1-1998						
		GB4706.20-2000						

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
				<p>following information.</p> <p>To minimize the risk of fire in a tumble dryer, the following should be observed:</p> <ul style="list-style-type: none"> <li>- Items that have been spotted or soaked with vegetable or cooking oil constitute a fire hazard and should not be placed in a tumble dryer.</li> <li>Oil-affected items can ignite spontaneously, especially when exposed to heat sources such as in a tumble dryer. The items become warm, causing an oxidation reaction in the oil. Oxidation creates heat. If the heat cannot escape, the items can become hot enough to catch fire. Piling, stacking or storing oil-affected items can prevent heat from escaping and so create a fire hazard.</li> <li>If it is unavoidable that fabrics that contain vegetable or cooking oil or have been contaminated by hair care products be placed in a tumble dryer they should first be washed in hot water with extra detergent - this will reduce, but not eliminate, the hazard. The 'cool down' cycle of tumble dryers should be used to reduce the temperature of the items. They should not be removed from the tumble dryer or piled or stacked while hot.</li> <li>- Items that have been previously cleaned in, washed in, soaked in or spotted with petrol/gasoline, dry-cleaning solvents or other flammable or explosive substances should not be placed in a tumble dryer.</li> <li>Highly flammable substances commonly used in domestic environments include acetone, denatured alcohol, petrol/gasoline, kerosene, spot removers (some brands), turpentine, waxes and wax removers.</li> <li>- Items containing foam rubber (also known as latex foam) or similarly textured rubber like materials should not be dried in a tumble dryer on a heat setting.</li> <li>Foam rubber materials can, when heated, produce fire by spontaneous combustion.</li> <li>- Fabric softeners or similar products should not be used in a tumble dryer to eliminate the effects of static electricity unless this practice is specifically recommended by the manufacturer of the fabric softener or product.</li> <li>- Undergarments that contain metal reinforcements should not be placed in a tumble dryer.</li> <li>Damage to the tumble dryer can result if metal reinforcements come loose during drying. When available a drying rack could be used for such items.</li> <li>- Plastic articles such as shower caps or babies' waterproof napkin covers should not be placed in a tumble dryer.</li> <li>- Rubber-backed articles, clothes fitted with foam rubber pads, pillows, galoshes and rubber-coated tennis shoes should not be placed in a tumble dryer.</li> </ul> <p>7.14 After Clause 7.12.1 <i>insert</i> the following variation:</p> <p><b>7.14 Addition:</b></p>				

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				<p>The marking relating to the cleaning of the lint trap shall be in letters not less than 8 mm high and shall be upright, irrespective of the <b>tumble dryer</b> mounting position.</p> <p>The base of the triangle of symbol B3.2 of ISO 3864 shall be not less than 50 mm.</p> <p>7.15 After Clause 7.14 <i>insert</i> the following variation:</p> <p><b>7.15 Addition:</b></p> <p>The marking relating to the cleaning of the lint trap shall be visible when the door is open.</p> <p>The symbol B3.2 of ISO 3864 and the marking stating "read the instructions", shall be readily visible when the appliance is installed as in normal use.</p>				
			GB4343.1-2003	No deviation		AS/NZS CISPR 14-1		
			GB17625.1-2003	No deviation		AS/NZS 61000.3.2:2007		
	<b>Storage water heaters</b> Excluding induction heaters	<p>1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson.</p> <p>2. Rated voltage of single-phase appliances not exceeding 250 V, of others not exceeding 480V.</p> <p>3. With the water storage function and heating water to a certain point(which can be set ) of temperature below the boiling point function for ablution, washing and the similar use stationary appliances</p> <p>4. Appliances through metal armour heating element, non-metallic armour heating element, electric membrane or similar membrane heating element, or other types of heating elements (such as microwave heating, electromagnetic heating) to achieve the function of heating water</p>	GB4706.1-2005 GB4706.12-2006	<p>GB4706.12 amended as below:</p> <p>7.1 <i>Replace</i> the first paragraph with the following variation:</p> <p><b>Closed water heaters</b> shall be marked with the substance of the following warning:</p> <p style="padding-left: 40px;">WARNING: The valve or drain valve outlet pipe must not be sealed or blocked.</p> <p><b>Closed water heaters</b> shall be marked with the relief valve setting in kPa and power rating in kW.</p> <p><b>Closed water heaters</b> intended for direct connection to the water main shall be marked with a statement that a temperature-operated relief valve is to be fitted in the installation unless it is incorporated in the appliance.</p> <p>NOTE This valve may be combined with the pressure relief valve if this valve is fitted to the hot water side of the <b>storage water heater</b>.</p> <p>7.12 After the last paragraph <i>insert</i> the following variation:</p> <p>The instructions for <b>closed water heaters</b> and <b>low-pressure water heaters</b> not designed for connection to a supplementary heat source shall state the substance of the following warning:</p> <p style="padding-left: 40px;">DANGER: The operation of the thermal cut-out indicates a possibly dangerous situation. Do not reset the thermal cut-out until the water heater has been serviced by a qualified person.</p> <p>7.12.1</p> <p><i>Replace</i> the second paragraph with the following variation:</p> <p>The instructions for <b>closed water heaters</b> designed for connection to a supplementary heat source shall give details of the installation of control devices and their temperature setting, to prevent operation of the <b>thermal cut-out</b> caused by the</p>		AS/NZS 60335.1 + AS/NZS 60335.2.21 :2002	S	SDoC

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
				<p>heat from the supplementary heat source.</p> <p>The instructions for <b>closed water heaters</b> shall state the substance of the following warning:</p> <p>DANGER: Failure to operate the relief valve easing gear at least once every six months may result in the water heater exploding. Continuous leakage of water from the valve may indicate a problem with the water heater.</p> <p>The instructions for <b>closed water heaters</b> shall state the substance of the following:</p> <p>If the water supply pressure exceeds the rated pressure, a pressure reducing valve is to be fitted in the installation.</p> <p>7.15 After Clause 7.12.1 <i>insert</i> the following variation:</p> <p><b>7.15 Addition:</b></p> <p>The marking of the relief valve setting and power rating shall be close to the mounting position of pressure relief valves.</p> <p>22.101 <i>Replace</i> the first two paragraphs of the requirement with the following variation:</p> <p>The <b>rated pressure</b> of <b>closed water heaters</b> intended for direct connection to the water main shall be at least 0,85 MPa.</p> <p>22.111 <i>Replace</i> the first paragraph of the requirement with the following variation:</p> <p><b>Closed water heaters</b> designed for connection to a supplementary heat source shall be constructed so that during normal use the <b>thermal cut-out</b> does not operate due to heat from the supplementary source.</p> <p>24.102 <i>Replace</i> Clause 24.102 with the following variation:</p> <p><b>24.102</b> The operating temperature of the <b>thermal cut-out</b> of a <b>closed water heater</b> shall ensure that the water temperature cannot exceed 95 °C.</p> <p><i>Compliance is checked by the test of 24. 102. 1.</i></p> <p>24.102.1 <i>Replace</i> the third paragraph with the following variation:</p> <p><i>The temperature shall not exceed 95°C.</i></p> <p><b>24.302</b> The operating temperature of the temperature-operated pressure relief valve of a closed water heater shall not exceed 99 °C.</p> <p><i>Compliance is checked by the following test.</i></p> <p><i>The appliance is operated under the conditions specified in Clause 11, with all <b>thermostats</b> and <b>thermal cut-outs</b> short-circuited or otherwise rendered inoperative. The pressure within the storage water heater is maintained at approximately 50% of the pressure relief valve pressure setting or 0,5 MPa, whichever is the lesser.</i></p> <p><i>The temperature of the water is measured by a thermocouple that is positioned approximately level with the</i></p>				

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
				<p><i>water outlet.</i></p> <p><i>The temperature shall not exceed 99°C.</i></p>				
	<b>Instantaneous water heaters</b>  <b>Excepting: appliances for boiling water, storage water heaters, and commercial dispensing appliances and vending machines</b>	<p>1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson.</p> <p>2. Rated voltage of single-phase appliances not exceeding 250 V, of others not exceeding 480V.</p> <p>3. With heating the water as flows through the appliances to the temperature below the boiling point function, for bathing, washing and the similar use apparatus.</p> <p>4. Appliances through metal armor heating element, non-metallic armor heating element, electric membrane or similar membrane heating element, or other means to achieve the function of heating water</p>	<p>GB4706.1-2005</p> <p>GB4706.11-2006</p>	No deviations		<p>AS/NZS 60335.1</p> <p>+ AS/NZS 60335.2.35 :2004</p>	S	SDoC
	<b>Room heaters</b>  Excluding Thermal Storage Type.	<p>1.Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson.</p> <p>2.Rated voltage of single-phase appliances not exceeding 250 V, of others not exceeding 480V.</p> <p>3. The heater for heating room air.</p>	<p>GB4706.1-1998</p> <p>GB4706.23-2003</p>	<p>GB4706.23 amended as below:</p> <p>4.2 After the existing Note, insert the following variation:</p> <p style="padding-left: 40px;">NOTE 301 The test of 21.301 is carried out on a separate appliance.</p> <p>4.3 After the first paragraph insert the following variation:</p> <p style="padding-left: 40px;">The tests of 22.301 are carried out after the tests of Clause 29.</p> <p>7.1 After the third paragraph insert the following variation:</p> <p>Portable visibly glowing radiant heaters shall be marked with the substance of the following:</p> <p style="padding-left: 40px;">WARNING: FIRE RISK EXISTS IF THE HEATER IS COVERED BY OR POSITIONED CLOSE TO CURTAINS OR OTHER COMBUSTIBLE</p>		<p>AS/NZS 60335.1</p> <p>+ AS/NZS 60335.2.30 :2004</p>	S	App


Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
				<p>MATERIALS.</p> <p>7.12 Replace the second paragraph by the following:</p> <p style="padding-left: 40px;">The instructions for heaters with heating elements that are in direct contact with panels made of glass, ceramic or similar materials that are <b>accessible parts</b> shall state the substance of the following.</p> <p style="padding-left: 40px;">WARNING: The heater must not be used if the glass panels are damaged.</p> <p style="padding-left: 40px;">NOTE 201 This warning shall be modified appropriately if the panels are of ceramic or similar material.</p> <p>7.15 After the third paragraph insert the following variation:</p> <p>The fire risk warning for portable visibly glowing radiant heaters shall be visible during normal use.</p> <p>NOTE 301 This marking may be provided on a permanent durable label attached to the supply cord at a distance not exceeding 600 mm from the body of the heater.</p> <p>11.2 Add as a new third paragraph, the following variation.</p> <p>Fixed heaters having a supply cord fitted with a plug, are mounted in front of a socket-outlet, with the plug inserted unless</p> <ul style="list-style-type: none"> <li>• the distance between the heater and the wall does not exceed 30mm; or</li> <li>• the instructions state that the heater must not be located in front of a socket-outlet;</li> </ul> <p>NOTE 301 The socket-outlet used to supply the heater during the test with the heater mounted in front of a flush mounted type socket-outlet shall be mounted in the wall of the test corner.</p> <p>11.8 Add as a new paragraph to the addition, the following variation.</p> <p style="padding-left: 40px;">For fixed heaters mounted in front of a socket-outlet the temperature rise of the plug shall not exceed 45 K</p> <p>20.1 Replace the third paragraph of the test requirement with the following variation:</p> <p style="padding-left: 40px;">The heater is placed in the most unfavourable</p>				

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				<p>normal position of use on a plane inclined at an angle of 15° to the horizontal.</p> <p>The heater shall not overturn.</p> <p>For heaters with a mass exceeding 5 kg, the test is repeated, but, with the heater placed on a horizontal plane with a force of 5 N ± 0.1 N applied to the top of the heater in the most unfavourable horizontal direction.</p> <p>21 Replace the first paragraph by the following:</p> <p>Compliance is also checked by the tests of 21.101, 21.102 and 21.301.</p> <p>Replace the last paragraph of the Addition, by the following:</p> <p>For appliances with heating elements that are in direct contact with panels made of glass, ceramic or similar material that are accessible parts, the impact energy of the blows applied to the panel is 2.00 J ± 0.05 J.</p> <p>insert the following variations.</p> <p>21.301 Portable fan heaters having a substantially non-metallic enclosure are subjected to the free fall test, procedure 1, of IEC 60068-2-32. The test is carried out on a new sample.</p> <p>The appliance is dropped vertically onto its base from a height of 500 mm.</p> <p>After the test, the requirements of 8.1, 16.3 and 19.113 shall be met.</p> <p><i>The test is not applicable to <b>fan heaters</b> that are also intended to be operated at maximum heat output, with the fan switched off.</i></p> <p>Before 22.7 insert the following variation.</p> <p>22.2 Addition:</p> <p>Fixed heaters that may be installed in front of a socket-outlet shall incorporate a switch complying with 24.3 or shall contain a statement in the instructions for installation that a disconnecting switch incorporated in the fixed wiring is to be provided.</p> <p>22.17 <i>Replace</i> the text of the Addition by the following.</p>				

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
				<p>The requirement does not apply to rollers or feet that prevent the appliance from overheating walls or the floor if the appliance complies with Clause 19 without these parts in place.</p> <p>22.39 Addition:</p> <p>The insulating parts of lampholders used for the connection of replaceable heat lamps in ceiling mounted heat lamp appliances shall be ceramic.</p> <p>22.106 <i>Replace</i> the requirement by the following.</p> <p>Panels made of glass, ceramic or similar material that are <b>accessible parts</b> and that are in direct contact with heating elements shall withstand thermal shock.</p> <p>After Clause 22.109 insert the following variations:</p> <p>22.301 Normally open switches that rely on contact with the floor to keep them in the closed position shall have a manually independent switching action.</p> <p>Compliance is checked by inspection and test.</p> <p>22.301 After Clause 22.110 <i>insert</i> the following variations:</p> <p>22.301 The heater element supports in portable <b>fan heaters</b>, which are necessary for compliance with 22.24, shall have adequate mechanical strength.</p> <p>Compliance is checked by the following tests.</p> <p>Ceramic supports shall have a mean coefficient of linear expansion not exceeding <math>4.5 \times 10^{-6} \text{ K}^{-1}</math>, when tested in accordance with Clause 7 of IEC 672-2.</p> <p>NOTE - Ceramic material specified in material group C-400, subgroup 410 (Cordierite dense) as defined in IEC 672-1 and IEC 672-2 complies with this requirement.</p> <p>Supports of the threaded string type shall withstand a tensile force of 10 N for 60 s. The force is applied without impulsive loading.</p> <p>The support string shall not break.</p>				
Vacuum		1. Intended for household or	GB4706.1-1998	GB4706.7 amended as below		AS/NZS 60335.1	S & E	SDoC

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
	<b>cleaners (Vacuum cleaners and water suction cleaning appliances)</b>  <b>Excepting Hand held garden type</b>	similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson. 2. Rated voltage not exceeding 250 V 3. The appliances for purpose of, based on vacuum principle, getting rid of the ground or other surface dust and cleaning dirt, water, animals etc.	GB4706.7-2004	25.7 <i>Add</i> to the second dash item, the following variation:  ordinary polyvinyl chloride sheathed flexible cord (code designation 60227 IEC 53), or GB5023.		+ AS/NZS 60335.2.2 :2004		
			GB4343.1-2003	No Deviations		AS/NZS CISPR 14-1		
			GB17625.1-2003	No Deviations		AS/NZS 61000.3.2:2007		
<b>Appliances for skin and hair care</b>		1.Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson. 2.Rated voltage of single-phase appliances not exceeding 250 V, of others not exceeding 480V. 3. The personal care appliances for the right hair or skin care.	GB4706.1-1998	No Deviations		AS/NZS 60335.1 + AS/NZS 60335.2.23 :2002	S & E	SDoC
			GB4706.15-2003					
			GB4343.1-2003	No Deviations		AS/NZS CISPR 14-1		
			GB17625.1-2003	No Deviations		AS/NZS 61000.3.2:2007		
<b>Electric irons</b>		1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson. 2. Rated voltage not exceeding 250 V. 3. With a certain weight level flat board, heated by electric heating element, after heating, ironing fabric and smooth it 4. May include related equipment, such as separated water tanks or steam device for its capacity of not exceeding five litres.	GB4706.1-1998	No Deviations		AS/NZS 60335.1 + AS/NZS 60335.2.3:2002	S & E	SDoC
			GB4706.2-2003					
			GB4343.1-2003	No Deviations		AS/NZS CISPR 14-1		
			GB17625.1-2003	No Deviations		AS/NZS 61000.3.2:2007		
<b>Roasters (Toasters, grills, roasters and similar appliances)</b>  <b>Excluding; Bread makers, Induction hotplates, dehydrators, outdoor Barbeques,</b>		1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson. 2. Rated voltage not exceeding 250 V. 3. Having functions of using electric heating element baking, cooking and so on.	GB4706.1-1998	GB4706.14 as amended below;		AS/NZS 60335.1 + AS/NZS 60335.2.9:2007	S	SDoC
			GB4706.14-1999	7.1 After the first paragraph insert the following variation:  Toasters shall be marked with the substance of the following.  The bread may burn, therefore do not use the toaster near or below combustible material, such as curtains. The toaster should be attended				

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	frying pans, deep fat fryers, Woks, and Warming plates.	4. Belonging to portable apparatus		when in use.  7.15 The marking relating to toasters shall:  for toasters fitted with a supply cord; be permanently attached to the supply cord or be permanently marked on the outside of the appliance;  for toasters provided with an appliance inlet; be permanently marked on the appliance inlet or be permanently marked on the outside of the appliance near the appliance inlet.				
	<b>Electric food processors (Kitchen machines)</b>	1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson. 2. Rated voltage not exceeding 250 V. 3. Appliances for the processing of food preparation; Appliances for opening cans; Appliances for Knife Sharpening	GB4706.1-1998  GB4706.30-2002	GB4706.30 as amended below  6.1 Replace the text by the following variation:  Hand-held kitchen machines shall be class II or class III.  22.201 After Clause 22.102 insert the following variation:  22.201 Addition:  Appliances within the scope of this Standard except churns and ice-cream machines are deemed to be operated for short periods of time.		AS/NZS 60335.1 + AS/NZS 60335.2.14 :2007	S	SDoC
	<b>Microwave ovens</b>	1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson. 2. Rated voltage not exceeding 250 V. 3. Appliances of using the electromagnetic energy of its frequency between 300 MHz and 30GHz for heating food and beverage in cavity 4. Can be used for food additional features, such as coloring function, barbecue function, steam function	GB4706.1-1998  GB4706.21-2002	GB 4706.21 amended as below; 7.12 Insert the following variation.  The instructions for use shall include the substance of the following:  IMPORTANT SAFETY INSTRUCTIONS READ CAREFULLY AND KEEP FOR FUTURE REFERENCE		AS/NZS 60335.1 + AS/NZS 60335.2.25:2002	S	SDoC
	<b>Cooking ranges, cooking table, ovens and similar appliances (Stationary)</b>	1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson.	GB4706.1-1998 GB4706.22-2002	GB 4706.22 amended as below  7.1 After the second paragraph <i>insert</i> the following variation:  <b>Built-in hobs</b> that require a board in order to meet the temperature limits of 11.8 shall be marked with the substance		AS/NZS 60335.1 + AS/NZS 60335.2.6 :2002	S	SDoC

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
	cooking ranges, hobs, ovens and similar appliances)	2. Rated voltage not exceeding 250 V. 3. Having functions of using electric heating element baking, scones cooked food and so on 4. Belonging to stationary appliances.		<p>of the following caution.</p> <p>CAUTION: The surface temperature exceeds 95 °C. To avoid a hazard, underbench access must be restricted. Refer to the installation instructions.</p> <p>Front surfaces of appliances incorporating ovens shall be marked with symbol IEC 60417-5041 and the words "Hot Surface" unless the temperature rise of the front surfaces of oven doors measured during the test of 11.101 and the test of 11.7.102 for <b>pyrolytic self-cleaning ovens</b> when operated under cleaning conditions do not exceed the limits given in Annex ZA.</p> <p>The rules for warning signs in ISO 3864-1 apply to symbol IEC 60417-5041 and the rules for supplementary signs in ISO 3864-1 apply to the words "Hot surface"</p> <p>7.6 After the first symbol <i>insert</i> the following variation:</p> <div style="text-align: center;">  <p>[Symbol IEC 60417-5041] caution, hot surface</p> </div> <p>7.12 To the second paragraph <i>add</i> the following variation:</p> <p>WARNING: Accessible parts will become hot when in use. To avoid burns and scalds children should be kept away.</p> <p>WARNING – Accessible parts may become hot during use. To avoid burns young children should be kept away.</p> <p>After the last paragraph <i>add</i> the following variation:</p> <p>7.12.3 After the last paragraph <i>insert</i> the following variation:</p> <p>In addition, for <b>cooking ranges</b> intended for use in New Zealand, if the <b>cooking range</b> is not provided with a <b>supply cord</b> fitted with a plug, the instructions shall state the size of the <b>supply cord</b> that has to be used and shall include the substance of the following.</p> <p>This cooking range must be connected to the supply by a supply cord fitted with an appropriately rated plug that is compatible with the socket-outlet fitted to the final sub-circuit in the fixed wiring that is intended to supply this cooking range.</p> <p>NOTE 301 This information need not be provided for fixed cooking ranges other than those that are fixed only by a stabilizing means in order to comply with the test of 20.101.</p> <p>7.14 After the variation for 7.12.4 <i>insert</i> the following variation:</p> <p><b>7.14 Addition:</b></p> <p>The marking relating to the supplementary sign containing the words "Hot surface" shall be in letters not less than 5 mm high.</p> <p>The base of the triangle of IEC 60417-5041 shall be not less than 20 mm.</p> <p>7.15 After the second paragraph <i>insert</i> the following variation:</p>				

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				<p>The caution specified in Clause 7.1 for <b>built-in hobs</b> shall be marked adjacent to the supply entry on the underside of the <b>hob</b>.</p> <p>Symbol IEC 60417-5041 shall be readily visible when the appliance is installed as in normal use.</p> <p>7.301 After clause 7.102 <i>insert</i> the following variation:</p> <p><b>7.301</b> For a <b>cooking range</b> that is normally placed on the floor and that has horizontally hinged oven doors, if a stabilizing means is necessary in order to comply with additional test of 20.101 then</p> <p>- the stabilizing</p> <p>11.301 After clause 11.102 <i>insert</i> the following variation:</p> <p><b>11.301 <i>Hob elements other than induction hob elements are operated under conditions of normal operation except that:</i></b></p> <ul style="list-style-type: none"> <li>- the vessel is not covered with a lid;</li> <li>- the water in the vessel is maintained at a depth between 50 mm and 65 mm by the addition of boiling water if necessary;</li> <li>- thermal controls are adjusted to the highest setting.</li> </ul> <p><i>If the appliance contains more than one hob element, the test is carried out with the hob element resulting in the most unfavourable conditions.</i></p> <p><i>The hob element is supplied at 1,15 times its power input measured at <b>rated voltage</b>. The test is continued for a period of 1 h or until steady conditions are established whichever is shorter.</i></p> <p><i>During the test the temperature rises shall not exceed the values specified in 11.8.</i></p> <p>be delivered with the appliance;</p> <p>NOTE Commonly available fixing hardware, such as screws and bolts, need not be delivered with the appliance.</p> <ul style="list-style-type: none"> <li>- the instructions for installation shall contain details for installing the stabilizing means;</li> <li>- the stabilizing means shall be marked, in lettering at least 3 mm high, with the substance of the following warning</li> </ul> <p>WARNING: In order to prevent tipping of the appliance, this stabilizing means must be installed. Refer to the instructions for installation</p> <ul style="list-style-type: none"> <li>- the instructions for use shall contain the substance of the following warning</li> </ul> <p>WARNING: In order to prevent accidental tipping of the appliance, for example by a child climbing onto the open oven door, the stabilizing means must be installed. Refer to the instructions for installation</p>				

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
				<p>- the appliance shall be marked, in lettering at least 3 mm high, at the point of supply entry and at least one other point drawing the users' attention to the need to stabilize the appliance.</p> <p><i>Compliance is checked by inspection and measurement.</i></p> <p>11.1 Replace the text of the Addition by the following variation:</p> <p><i>Compliance is also checked by the tests of 11.101 and 11.301.</i></p> <p><i>Insert after the variation for 11.1, the following variation.</i></p> <p>11.101 <i>Replace 11.101 and 11.102 with the following variation:</i></p> <p><b>11.101 Cooking ranges and ovens are placed as specified in 11.2. However, appliances intended to stand on the floor are positioned with their backs against one of the walls of the test corner and away from the other wall. A rectangular box as specified in 11.2 is placed against one of the sides of the appliance. The appliance is supplied at <b>rated voltage</b> and operated under <b>normal operation</b>.</b></p> <p><i>All heating units, other than grills, that can be connected to the supply mains at the same time during normal use are switched on.</i></p> <p><i>Ovens are operated without accessories. The mean temperature in the centre of the oven is maintained at 200 °C ± 4 °C</i></p> <p><b>Hob elements and griddles are operated in accordance with 11.7.</b></p> <p><i>Warming drawers and similar compartments are operated with the controls adjusted to the highest setting.</i></p> <p><i>The appliance is operated for 60 min or until steady conditions are established, whichever is shorter.</i></p> <p><i>Temperature rises of the front and side surfaces are measured using the probe of Figure 105. The probe is applied with a force of 4 N ± 1 N to the surface in such a way that the best possible contact between the probe and the surface is ensured.</i></p> <p><i>NOTE 1 Any measuring instrument giving the same results as the probe may be used.</i></p> <p><i>Temperature rises are not measured on</i></p> <ul style="list-style-type: none"> <li>- <i>surfaces that are inaccessible to a 75 mm diameter probe having a hemispherical end, unless they are protected by a <b>detachable part</b>;</i></li> <li>- <i>surfaces of <b>cooking ranges</b> that are within 25 mm below the level of the <b>hob surface</b> or are above the <b>hob surface</b>;</i></li> </ul>				

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC																	
				<p>– small parts such as oven vents, hinges and trim where the width of the <b>accessible part</b> is less than 10 mm;</p> <p>– surfaces within 10 mm of the edge of the oven door.</p> <p>During the test, the temperature rise of surfaces shall not exceed the values specified in Table 301.</p> <p><b>Table 301 – Temperature rise limits for accessible surfaces</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Surface</th> <th colspan="2">Temperature rise K</th> </tr> <tr> <th>Front surfaces of oven doors</th> <th>Other parts</th> </tr> </thead> <tbody> <tr> <td>metal and painted metal</td> <td>45</td> <td>60</td> </tr> <tr> <td>vitreous-enamelled metal</td> <td>50</td> <td>65</td> </tr> <tr> <td>glass and ceramic</td> <td>60</td> <td>80</td> </tr> <tr> <td>plastic having a thickness exceeding 0,3 mm</td> <td>80</td> <td>100</td> </tr> </tbody> </table> <p>NOTE 1 The temperature rise limit of 100 K also applies for plastic material having a metal finish of thickness less than 0,1 mm.</p> <p>NOTE 2 When the thickness of the plastic coating does not exceed 0,3 mm, the temperature rise limits of the supporting material applies.</p> <p>NOTE 2 If the door is protected by a guard, the temperature rises</p> <p><i>However, for oven doors the temperature rise limits specified for other parts apply to</i></p> <p>– parts protected by a detachable part;</p> <p>– those parts of the door of built-in ovens situated more than 850 mm above the floor after installation of the oven;</p> <p>– ovens intended to be used on a working surface.</p> <p><i>If the oven can be used for grilling and the instructions state that for grilling the door should be closed, the test is repeated but with the oven operating in the grilling mode with the controls set according to the instructions. The grill is operated for 30 min in accordance with 11.7.3. However, if the oven has a rotating spit, the duration of the test is 60 min with the controls set to give the most unfavourable conditions specified in the instructions. The measurements are only carried out on surfaces for which temperature rises for the front surface of oven doors apply.</i></p> <p>11.301 After clause 11.102 insert the following variation:</p> <p><b>11.301 Hob elements other than induction hob elements are operated under conditions of</b></p>	Surface	Temperature rise K		Front surfaces of oven doors	Other parts	metal and painted metal	45	60	vitreous-enamelled metal	50	65	glass and ceramic	60	80	plastic having a thickness exceeding 0,3 mm	80	100				
Surface	Temperature rise K																								
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Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
				<p><b>normal operation</b> except that:</p> <ul style="list-style-type: none"> <li>- the vessel is not covered with a lid;</li> <li>- the water in the vessel is maintained at a depth between 50 mm and 65 mm by the addition of boiling water if necessary;</li> <li>- thermal controls are adjusted to the highest setting.</li> </ul> <p>If the appliance contains more than one hob element, the test is carried out with the hob element resulting in the most unfavourable conditions.</p> <p>The hob element is supplied at 1,15 times its power input measured at <b>rated voltage</b>. The test is continued for a period of 1 h or until steady conditions are established whichever is shorter.</p> <p>During the test the temperature rises shall not exceed the values specified in 11.8.</p> <p>20.101 After NOTE 3 insert the following variation:</p> <p>301 Cooking ranges are tested without fitting any stabilizing means that are specified in the instructions for installation.</p> <p>20.101 After NOTE 4 insert the following variation:</p> <p>The test is repeated on <b>cooking ranges</b> that have horizontally hinged oven doors, and that are normally placed on the floor. For this additional test the <b>cooking range</b> is installed with the stabilizing means, if any, installed in accordance with the instructions for installation and the load on the oven doors is increased to 50 kg.</p> <p>The cooking range shall not tilt.</p> <p>NOTE 302 – Damage and deformation of doors and hinges are neglected.</p> <p>21.101 After the fourth paragraph of the test specification insert the following variation:</p> <p>Ovens with withdrawable shelves fitted with stops are then tested as follows. The shelves are fully extended to the maximum distance allowed by the stops. An evenly distributed force of 80 N is applied to each shelf, at locations along the front edge of the shelf using a vessel having side dimensions of 200 mm, one side of the vessel being aligned along the front edge of the shelf.</p> <p>During this test, the shelf shall not tilt downwards by</p>				

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
				<p><i>more than 6°.</i></p> <p>22.301 After clause 22.119 <i>insert</i> the following variations:</p> <p>22.301 Any socket-outlet for general purpose use that is accessible to the user shall</p> <ul style="list-style-type: none"> <li>- comply with AS/NZS 3112;</li> <li>- have a current rating of 10 A; and</li> <li>- accept a 3-pin, flat-pin plug as described in figure 2.1(a) of AS/NZS 3112.</li> </ul> <p><i>Compliance is checked by inspection and the appropriate tests.</i></p> <p>22.302 Ovens with a capacity exceeding 20 l and having withdrawable shelves shall be fitted with stops to prevent the inadvertent withdrawal of the shelves.</p> <p>NOTE – This requirement does not apply to shelves that are designed to contain liquids, such as roasting trays and the like.</p> <p>The shelves shall be capable of being withdrawn so that when fully extended to the maximum distance allowed by the stops, the front edge is not less than 160 mm from the front surface of the oven on which the door comes to rest in the closed position.</p> <p>The shelves shall also be constructed to prevent cooking dishes or the like from sliding over the rear edge.</p> <p><i>Compliance is checked by inspection and by manual test.</i></p> <p>22.303 Stabilising means provided with cooking ranges in order to achieve compliance with 20.101, shall require two independent movements to disengage the appliance or be of a type such that a tool is needed to disengage the appliance.</p> <p>NOTE Push and twist is considered to be an example of two independent movements.</p> <p>Compliance is checked by inspection and test.</p> <p>Annex A <i>Insert</i> after IEC 60584-1 the following variations.</p> <p>AS/NZS 3112:2004 <i>Approval and test specification – Plugs and socket-outlets</i></p>				

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC																				
				<p>ISO 3864-1 <i>Graphical symbols — Safety colours and safety signs —Part 1:Design principles for safety signs in workplaces and public areas</i></p> <p><b>Annex ZA</b> (normative)</p> <p><b>Reduced surface temperatures</b></p> <p>This annex is applicable to appliances not marked with symbol no. 5041 from IEC 60417-1 and the words “Hot Surface”.</p> <p>The temperature rises on front surface of the oven doors are measured on surfaces specified in 11.101 and shall not exceed the values in Table ZA.1.</p> <p><b>Table ZA.1 Reduced temperatures for front surfaces of oven doors</b></p> <table border="1" data-bbox="1121 877 1745 1129"> <thead> <tr> <th>Surface</th> <th>Temperature Rise K</th> </tr> </thead> <tbody> <tr> <td>Metal and Painted Metal</td> <td>30</td> </tr> <tr> <td>Vitreous Enamelled Metal</td> <td>35</td> </tr> <tr> <td>Glass and ceramic</td> <td>40</td> </tr> <tr> <td>Plastics having a thickness exceeding 0,3mm</td> <td>45</td> </tr> </tbody> </table> <p>The temperature rises on front surface of the oven doors of <b>pyrolytic self-cleaning ovens</b> when operated under cleaning conditions are measured on surfaces accessible to the test probe of figure 3 except those areas that are within 10 mm from the edges of the door and those parts that are not accessible to the probe applied perpendicularly to the front surface of the door. They shall not exceed the values in Table ZA.2.</p> <p><b>Table ZA.2 Reduced temperatures for front surfaces of oven doors of pyrolytic self-cleaning ovens</b></p> <table border="1" data-bbox="1136 1543 1774 1774"> <thead> <tr> <th>Surface</th> <th>Temperature Rise K</th> </tr> </thead> <tbody> <tr> <td>Metal and Painted Metal</td> <td>35</td> </tr> <tr> <td>Vitreous Enamelled Metal</td> <td>40</td> </tr> <tr> <td>Glass and ceramic</td> <td>45</td> </tr> <tr> <td>Plastics having a thickness exceeding 0,3mm</td> <td>50</td> </tr> </tbody> </table>	Surface	Temperature Rise K	Metal and Painted Metal	30	Vitreous Enamelled Metal	35	Glass and ceramic	40	Plastics having a thickness exceeding 0,3mm	45	Surface	Temperature Rise K	Metal and Painted Metal	35	Vitreous Enamelled Metal	40	Glass and ceramic	45	Plastics having a thickness exceeding 0,3mm	50				
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				when operated under cleaning conditions.													
	<b>Range hoods</b>	1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson. 2. Rated voltage not exceeding 250 V. 3. Range Hood of installing at the top of cooking stoves, stove or similar apparatus, used motor drive for the suction air pollution.	GB4706.1-1998 GB4706.28-1999	GB4706.28 amended as below 30.101 <i>Replace the second and third paragraphs of the test specification with the following variation.</i>  <i>Filters of non-metallic material intended for the absorption of grease shall meet the requirements specified in ISO 9772 for category HBF material, except that the thickness of the specimen is that of the filter.</i>  <i>Lamp diffusers and external air-guides having a total mass not exceeding 0,35 kg are subjected to the glow-wire test of IEC 60695-2-11 at a temperature of 550 °C. The glow-wire test is not carried out on parts of material classified at least HB40 according to IEC 60695-11-10, provided that the test sample was no thicker than the relevant part.</i>  Annex A <i>Add the following informative references.</i>		AS/NZS 60335.1 + AS/NZS 60335.2.31 :2004	S	SDoC									
				<table border="1"> <tr> <td>IEC 60695-2-11</td> <td><i>Fire Hazard testing – Part 2-11: Glowing/hot wire based test methods – Glow-wire flammability test method for end-products</i></td> <td>AS/NZS 60695.2.11</td> </tr> <tr> <td>IEC 60695-11-10</td> <td><i>Fire hazard testing - Part 11.10: Test flames – 50 W horizontal and vertical flame test methods.</i></td> <td>AS/NZS 60695.11.10</td> </tr> <tr> <td>ISO 9772</td> <td><i>Cellular plastics – Determination of horizontal burning characteristics of small specimens subjected to a small flame</i></td> <td></td> </tr> </table>	IEC 60695-2-11	<i>Fire Hazard testing – Part 2-11: Glowing/hot wire based test methods – Glow-wire flammability test method for end-products</i>	AS/NZS 60695.2.11	IEC 60695-11-10	<i>Fire hazard testing - Part 11.10: Test flames – 50 W horizontal and vertical flame test methods.</i>	AS/NZS 60695.11.10	ISO 9772	<i>Cellular plastics – Determination of horizontal burning characteristics of small specimens subjected to a small flame</i>					
IEC 60695-2-11	<i>Fire Hazard testing – Part 2-11: Glowing/hot wire based test methods – Glow-wire flammability test method for end-products</i>	AS/NZS 60695.2.11															
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ISO 9772	<i>Cellular plastics – Determination of horizontal burning characteristics of small specimens subjected to a small flame</i>																
	<b>Appliances for heating liquids</b>	1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson. 2. Rated voltage not exceeding 250 V. 3. Using electric element for heating water or liquid food.	GB4706.1-1998 GB4706.19-2004	GB 4706.19 amended as below 7.12 After the last paragraph insert the following variations:  The instructions for kettles shall state the substance of the following.  CAUTION: Do not operate the kettle on an inclined surface. Do not operate the kettle unless the element is fully immersed. Do not move the kettle while it is switched on.  The instructions for appliances with enclosures made from polycarbonate material shall state the substance of the following.  CAUTION: To prevent damage to the appliance do not use alkaline cleaning agents when cleaning, use a soft cloth and a mild detergent.		AS/NZS 60335.1 + AS/NZS 60335.2.15 :2002	S	SDoC									

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				<p>15.2 After the last paragraph insert the following variation:</p> <p>Kettles are then filled to rated capacity with water containing 1% NaCl. They are placed on an plane inclined at an angle of 20o to the horizontal, with their spout facing up the slope of the inclined plane. During this test water shall not be emitted from the kettle.</p> <p>22.301 Addition:</p> <p>22.301 Espresso coffee-makers, incorporating a pressurised reservoir filled by the user, shall be constructed so that there is a visual indication to the user that the reservoir is under pressure.</p> <p>This requirement does not apply to those pressurised reservoirs where the lid or cap is prevented from being removed while it is under pressure.</p> <p>Compliance is checked by inspection and appropriate test.</p> <p>24.1 Replace the NOTE with the following variation:</p> <p>NOTE Thermal controls are not allowed in Group 1 connectors of AS/NZS 3109.1 or the standard sheets of IEC 60320 or GB 17465</p> <p>25.1 Replace the existing text of the Addition by following variation:</p> <p>Appliances incorporating an appliance inlet, other than those standardized as Group 1 in AS/NZS 3109.1 or those standardized in IEC 60320, or those Standardised in GB17465 shall be supplied with a cord set.</p>				
<b>Electric rice cookers</b>		<p>1. Intended for household or similar purpose: dangerous to public, including in shops, offices, hotels, light industry, farms and other places, used by layperson.</p> <p>2. Rated voltage not exceeding 250 V.</p> <p>3. Appliances of direct heating or cooling water in the barrels, pipelines or other sources of water available to the appropriate temperature for users to directly drinking.</p>	GB4706.1-1998	GB4706.19-2004 amended as below		AS/NZS 60335.1 + AS/NZS 60335.2.15 :2002	S & E	SDoC
			GB4706.19-2004	<p>CLAUSE</p> <p>24.1 Replace the NOTE with the following variation:</p> <p>NOTE Thermal controls are not allowed in Group 1 connectors of AS/NZS 3109.1 or the standard sheets of IEC 60320 or GB17465.</p> <p>25.1 Replace the existing text of the Addition by following variation:</p> <p>Appliances incorporating an appliance inlet, other than those standardized as Group 1 in AS/NZS 3109.1 or those standardized in IEC 60320, or those Standardised in GB 17465 shall be supplied with a cord set.</p>				
			GB4343.1-2003	No Deviations				
			GB17625.1-2003	No Deviations		AS/NZS CISPR 14-1		
						AS/NZS 61000.3.2:2007		

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
Audio & Video products	General		GB8898-2001	<p>For a.c. equipment, the rated frequency shall be 50 Hz or the rated frequency range shall include 50 Hz.</p> <p>For single-phase equipment, the rated voltage shall be at least 230 V or the rated voltage range shall include 230 V. For three-phase equipment, the rated voltage shall be at least 400 V or the rated voltage range shall cover 400 V.</p> <p>An English version of any necessary the safety instructions and markings must be supplied.</p> <p>For portable a.c. single-phase equipment having a rated current not exceeding 10 A, that is connected to the supply by a supply cord fitted with a plug, the plug shall comply with the appropriate requirements specified in AS/NZS 3112.</p> <p>For a.c. single-phase equipment having a rated current not exceeding 10 A, that is connected to the supply by pins for insertion into a socket outlet, the pins shall be insulated and comply with the appropriate requirements specified in Appendix J of AS/NZS 3112.</p>	<b>CNCA-01C-017: 2007</b>			
	Power adapters	≥36V For audio/video products use (including charger and discharger ) (not including charger for type 5 and type 7 charging batteries use )	GB8898-2001	<p>GB 8898 amended as below</p> <p>20.201 Resistance to fire</p> <p>20.201.1 General</p> <p>Parts of non-metallic material shall be resistant to ignition and the spread of fire.</p> <p>This requirement does not apply to decorative trims, knobs and other parts unlikely to be ignited or to propagate flames originating from inside the apparatus, or the following:</p> <p>a) Components that are contained in an enclosure having a flammability category of V-0 according to GB/T 5169.16 and having openings only for the connecting wires filling the openings completely, and for ventilation not exceeding 1 mm in width regardless of length.</p> <p>b) The following parts which would contribute negligible fuel to a fire:</p> <p>- small mechanical parts, the mass of which does not exceed 4 g, such as mounting parts, gears, cams, belts and bearings; - small electrical components, such as capacitors with a volume not exceeding 1 750 mm<sup>3</sup>, integrated circuits, transistors and optocoupler packages, if these components are mounted on material of flammability category V-1 or better according to GB/T 5169.16</p> <p>NOTE – In considering how to minimize propagation of fire and what 'small parts' are, account should be taken of the cumulative effect of small parts adjacent to each other for the possible effect of propagating fire from one part to another.</p> <p>Compliance shall be checked by the tests of 20.201.2.1, 20.201.2.2. and 20.201.2.3.</p> <p>For the base material of PRINTED BOARDS, compliance shall be checked by the test of 20.201.2.4.</p> <p>The tests shall be carried out on parts of non-metallic material which have been removed from the apparatus. When the glow-</p>		AS/NZS 60065:2003	S & E	SDoC

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
				<p>wire test is carried out, they are placed in the same orientation as they would be in normal use.</p> <p>These tests are not carried out on internal wiring.</p> <p>20.201.2 Tests</p> <p>20.201.2.1 Testing of non-metallic parts</p> <p>Part of non-metallic material shall be subject to the glow-wire test of GB/T 5169.11 which shall be carried out at 550°C.</p> <p>Parts for which the glow-wire test cannot be carried out, such as those made of soft or foamy material, shall meet the requirements specified in ISO 9772 for category FH-3 material. The glow-wire test shall not be carried out on parts of material classified at least FH-3 according to ISO 9772 provided that the sample tested was not thicker than the relevant part.</p> <p>20.201.2.2 Testing of insulated parts</p> <p>Part of insulating material supporting POTENTIAL IGNITION SOURCES shall be subject to the glow-wire test of GB/T 5169.11 which shall be carried out at 750°C.</p> <p>The test shall be also carried out on other parts of insulating material which are within a distance of 3 mm of the connection.</p> <p>NOTE – Contacts in components such as switch contacts are considered to be connections.</p> <p>For parts which withstand the glow-wire test but produce a flame, other parts above the connection within the envelope of a vertical cylinder having a diameter of 20 mm and a height of 50 mm shall be subjected to the needle-flame test. However, parts shielded by a barrier which meets the needle-flame test need not be tested.</p> <p>The needle-flame test shall be made in accordance with GB/T 5169.5 with the following modifications:</p> <p><b>Severities</b> Replace with:</p> <p>The duration of application of the test flame shall be 30 s ±1 s.</p> <p><b>Test procedure</b></p> <p><i>Replace the first sentence with:</i></p> <p>The specimen shall be arranged so that the flame can be applied to a vertical or horizontal edge as shown in the examples of figure 1.</p> <p>The first paragraph does not apply.</p> <p><b>Addition:</b></p> <p>If possible, the flame shall be applied at least 10 mm from a corner.</p> <p><b>Replace with:</b></p> <p>The test shall be made on one specimen. If the specimen does not withstand the test, the test may be repeated on two further specimens, both of which shall then withstand the test.</p> <p><b>Evaluation of test results</b></p> <p><b>Replace with:</b></p> <p>The duration of burning (tb) shall not exceed 30 s. However, for printed circuit boards, it shall not exceed 15 s.</p> <p>The needle-flame test shall not be carried out on parts of material classified as V-0 or V-1 according to GB/T 5169.16 provided that the sample tested was not thicker than the relevant part.</p> <p><b>20.201.2.3 Testing by needle-flame test</b></p> <p>If parts, other than enclosures, do not withstand the glow wire tests of 20.201.2.2, by failure to extinguish within 30 s after the removal of the glow-wire tip, the needle-flame test detailed in 20.201.2.2 shall</p>				

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				<p>be made on all parts of non-metallic material which are within a distance of 50 mm or which are likely to be impinged upon by flame during the tests of 20.201.2.2. Parts shielded by a separate barrier which meets the needle-flame test shall not be tested.</p> <p>NOTE 1 – If the enclosure does not withstand the glow-wire test the appliance is considered to have failed to meet the requirements of Clause 21.201 without the need for consequential testing.</p> <p>NOTE 2 – If other parts do not withstand the glow-wire test due to ignition of the tissue paper and if this indicates that burning or glowing particles can fall onto an external surface underneath the apparatus, the apparatus is considered to have failed to meet the requirements of Clause 21.201 without the need for consequential testing.</p> <p>NOTE 3 – Parts likely to be impinged upon by the flame are considered to be those within the envelope of a vertical cylinder having a radius of 10 mm and a height equal to the height of the flame, positioned above the point of the material supporting, in contact with, or in close proximity to, connections.</p> <p><b>20.201.2.4 Testing of printed boards</b></p> <p>The base material of PRINTED BOARDS shall be subject to the needle-flame test of Clause 21.201.2.3. The flame shall be applied to the edge of the board where the heatsink effect is lowest when the board is positioned as in normal use. The flame shall not be applied to an edge consisting of broken perforations, unless the edge is less than 3 mm from a POTENTIAL IGNITION SOURCE.</p> <p>The test is not carried out if the—</p> <ul style="list-style-type: none"> <li>- PRINTED BOARD does not carry any potential ignition source;</li> <li>- base material of PRINTED BOARDS, on which the available power at a connection exceeds 15 VA operating at a voltage exceeding 50 V and equal or less than 400 V (peak) a.c. or d.c. under normal operating conditions, is of flammability category V-1 or better according to GB/T 5169.16, or the PRINTED BOARDS are protected by an enclosure meeting the flammability category V-0 according to GB/T 5169.16, or made of metal, having openings only for connecting wires which fill the openings completely; or</li> <li>- base material of PRINTED BOARDS, on which the available power at a connection exceeds 15 VA operating at a voltage exceeding 400 V (peak) a.c. or d.c. under normal operating conditions, and base material of PRINTED BOARDS supporting spark gaps which provides protection against overvoltages, is of flammability category V-0 according to GB/T 5169.16 or the PRINTED BOARDS are contained in a metal enclosure, having openings only for connecting wires which fill the openings completely.</li> </ul> <p>Compliance shall be determined using the smallest thickness of the material.</p> <p>NOTE – Available power is the maximum power which can be drawn from the supplying circuit through a resistive load whose value is chosen to maximize the power for more than 2 min when the circuit supplied is disconnected.</p> <p><b>21.201.3</b> For open circuit voltages greater than 4 kV</p> <p>POTENTIAL IGNITION SOURCES with open circuit voltages exceeding 4 kV (peak) a.c. or d.c. under normal operating conditions shall be contained in a FIRE ENCLOSURE which shall comply with flammability category V-1 or better according to GB/T 5169.16.</p>				
			GB13837-2003	No deviations		AS/NZS CISPR 13		
			GB17625.1-2003	No deviations		AS/NZS 61000.3.2:2005		
<b>color television receivers and</b>	≥36V A household type and profession		GB8898-2001	See above		AS/NZS 60065:2003	S & E	SDoC
			GB13837-2003	No deviations		AS/NZS CISPR 13		

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
	<b>display monitors with kinds of display types</b>	equipment (including LCD, PDP and back projector) (not including television receivers for vehicle use)	GB17625.1-2003	No deviations		AS/NZS 61000.3.2:2005		
	<b>B&amp;W or monochrome television receivers and display monitors with kinds of display types</b>	≥36V A household type and profession equipment						

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
Information Technology Equipments	<b>General</b>			<p>For a.c. equipment, the rated frequency shall be 50 Hz or the rated frequency range shall include 50 Hz.</p> <p>For single-phase equipment, the rated voltage shall be at least 230 V or the rated voltage range shall include 230 V. For three-phase equipment, the rated voltage shall be at least 400 V or the rated voltage range shall cover 400 V.</p> <p>An English version of any necessary the safety instructions and markings must be supplied.</p> <p>For portable a.c. single-phase equipment having a rated current not exceeding 10 A, that is connected to the supply by a supply cord fitted with a plug, the plug shall comply with the appropriate requirements specified in AS/NZS 3112.</p> <p>For a.c. single-phase equipment having a rated current not exceeding 10 A, that is connected to the supply by pins for insertion into a socket outlet, the pins shall be insulated and comply with the appropriate requirements specified in Appendix J of AS/NZS 3112.</p>	CNCA-01C-020: 2007			
	<b>Switching power supply units for computer, Adapter, Charger</b>	<p>≥36V Switching power supply units for computer, Adapter, Charger etc. information technology equipment use</p>	<p>GB4943-2001 GB9254-1998 GB17625.1-2003</p>	<p>No deviations No deviations No deviations</p>		<p>AS/NZS 60950.1:2003 AS/NZS CISPR 22 AS/NZS 61000.3.2:2003</p>	S & E	SDoC

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
Lighting Electrical Appliances	<b>General</b>			<p>For a.c. equipment, the rated frequency shall be 50 Hz or the rated frequency range shall include 50 Hz.</p> <p>For single-phase equipment, the rated voltage shall be at least 230 V or the rated voltage range shall include 230 V. For three-phase equipment, the rated voltage shall be at least 400 V or the rated voltage range shall cover 400 V. However, portable child appealing luminaires must be class III and have a rated voltage not exceeding 24 V.</p> <p>An English version of any necessary the safety instructions and markings must be supplied.</p> <p>For portable a.c. single-phase equipment having a rated current not exceeding 10 A, that is connected to the supply by a supply cord fitted with a plug, the plug shall comply with the appropriate requirements specified in AS/NZS 3112.</p> <p>For a.c. single-phase equipment having a rated current not exceeding 10 A, that is connected to the supply by pins for insertion into a socket outlet, the pins shall be insulated and comply with the appropriate requirements specified in Appendix J of AS/NZS 3112.</p>	CNCA-01C-022 : 2007			
	<b>Portable general purpose luminaries ( Luminaire at voltage above 36 )</b>  <b>Excepting Child appealing types</b>	<p>A luminaire which, in normal use, can be moved form one place to another while connected to the supply.</p> <p>Portable general purpose luminaries, other than handlamps, for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltages not exceeding 250V.</p>	GB7000.1-2002 GB7000.11-1999	<p>GB7000.1 amended as below</p> <p>13.3 Resistance to flame and ignition</p> <p>Replace with:</p> <p>Enclosure for auxiliary equipment including transformers, ballasts, capacitors, electrode connections, automatic switching apparatus and similar devices shall be of metal-clad type or totally enclosed in suitable material which will effectively prevent the spread of fire.</p> <p>NOTE 1 – A suitable material is one which conforms to glow wire test at a temperature of 850°C.</p> <p>Parts of insulating material retaining current-carrying parts, SELV parts in position, and external parts of insulating material providing protection against electric shock shall be resistant to flame and ignition.</p> <p>For materials other than ceramic, compliance is checked by the tests of 13.3.1 and 13.3.2 and 13.3.3 as appropriate.</p> <p>This requirement does not apply to decorative trims, knobs, wiring insulation and other parts not likely to be ignited or to propagate flames from inside the luminaires.</p> <p>13.3.1 Parts of insulating material retaining current-carrying parts in position shall withstand the following tests:</p> <p>Parts are subjected to a test using a nickel-chromium glow-wire heated to 750 °C. The test apparatus and test procedure shall be those described in GB/T 5169.10</p> <p>Any flame or glowing of the sample shall extinguish within 30 s of withdrawing the glow-wire, and any burning or molten drop shall not ignite a single layer of tissue paper specified in 4.187 of ISO 4046-4, spread out horizontally 200 mm ± 5 mm below the sample.</p>	CNCA-01C-022 : 2007	AS/NZS 60598.1:2003 +AS/NZS 60598.2.1 1998	S & E	APP & SDoC

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
				<p>The requirements of this subclause do not apply in those cases where the luminaires provide an effective barrier to burning drops or where the insulation material is ceramic.</p> <p>13.3.2 Parts of insulating material which do not retain live parts in position, but which provide protection against electric shock, and parts of insulating material retaining SELV, parts in position shall withstand the following test:</p> <p>Parts are subjected to a test using a nickel-chromium glow-wire heated to 650 °C. The test apparatus and test procedure shall be those described in GB/T 5169.10</p> <p>Any flame or glowing of the sample shall extinguish within 30 s of withdrawing the glow-wire, and any burning or molten drop shall not ignite a single layer of tissue paper specified in 4.187 of ISO 4046-4, spread out horizontally 200 mm ± 5 mm below the sample.</p> <p>The requirements of this subclause do not apply in those cases where the luminaires provide an effective barrier to burning drops or where the insulation material is ceramic.</p> <p>13.3.3 During the application of the glow-wire tests of Clauses 13.3.1 and 13.3.2, the height and duration of the flames are measured.</p> <p>In addition, for parts that withstand the glow-wire test but which flame during the application of the glow-wire, the surrounding parts are subjected to the needle-flame test, in accordance with GB/T 5169.5 for the measured duration of the flame or 30 s, whichever is the least, if—</p> <ul style="list-style-type: none"> <li>– they are positioned within a distance equal to the height of the flame, and</li> <li>– they are likely to be impinged upon by the flame.</li> </ul> <p>However, parts shielded by a separate barrier that meets the needle-flame test are not tested.</p> <p>The needle-flame test is not carried out on parts that are made of material classified as FV-0 or FV-1 according to GB5169.16 The sample of material submitted to the test of GB5169.16 shall be no thicker than the relevant part.</p> <p>NOTE- Parts likely to be impinged upon by the flame are considered to be those within the envelope of a vertical cylinder having a radius of 10 mm and a height equal to the height of the flame, positioned above the point of application of the glow-wire.</p> <p>If parts, other than enclosures, do not withstand the glow-wire tests of Clauses 13.3.1 and 13.3.2 by failure to extinguish within 30 s after removal of the glow-wire tip, the needle-flame test in accordance with GB/T 5169.5 is made for 30 s on all parts of non-metallic material which are within a distance of 50 mm or which are likely to be impinged upon by flame during the glow-wire tests of Clauses 13.3.1 and 13.3.2. Parts shielded by a separate barrier that meets the needle-flame test are not tested.</p> <p>NOTE 1 – If the enclosure does not withstand the glow-wire test, the control gear is considered to have failed to meet the requirement of Clause 13.3 without the need for consequential testing.</p> <p>NOTE 2 – If other parts do not withstand the glow-wire test due to ignition of the tissue paper and if this indicates that burning or glowing particles can fall onto an external surface underneath the control gear the control gear is considered to have failed to meet the requirements of Clause 13.3 without the need for consequential testing.</p> <p>NOTE 3 – Parts likely to be impinged upon by the flame are considered to be those within the envelope of a vertical cylinder having a radius of 10 mm and a height equal to the height of the flame, positioned above the</p>				

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				point of the material supporting, in contact with, or in close proximity to connections.				
			GB17743-1999	No Deviation		AS/NZS 4051		
			GB17625.1-2003	No Deviation		AS/NZS 61000.3.2:2003		
						IEC 61000-3-2 Ed 2.1 2001		
	<b>Fixed general purpose luminaries ( Luminaire at voltage above 36 )</b>	A luminaire which cannot easily be moved from one place to another, either because the fixing is such that the luminaire can only be removed with the aid of a tool, or because it is intended for use out of easy reach.  The fixed luminaries for use with tungsten filament, tubular fluorescent and other discharge lamps.	GB7000.1-2002 GB7000.10-1999	As Above	CNCA-01C-022 : 2007	AS/NZS 60598.1:2003 + AS/NZS 60598.2.1 2001	S & E	SDoC
			GB17743-1999	No Deviation		AS/NZS 4051		
			GB17625.1-2003	No Deviation		AS/NZS 61000.3.2:2003		
	<b>Recessed luminaires ( Luminaire at voltage above 36 )</b>	A luminaire intended by the manufacturer to be fully or partly recessed into a mounting surface.  Recessed luminaires for use with tungsten filament, tubular fluorescent and other discharge lamps. This section does not cover air-handling luminaires. This section does not apply to air-handling or liquid-cooled luminaires.	GB7000.1-2002 GB7000.12-1999	As Above	CNCA-01C-022 : 2007	AS/NZS 60598.1:2003 + AS/NZS 60598.2.2 2001	S & E	SDoC
			GB17743-1999	No Deviation		AS/NZS 4051		
			GB17625.1-2003	No Deviation		AS/NZS 61000.3.2:2003		
	<b>Particular requirements for ballasts for fluorescent lamps</b>	Ballasts, excluding resistance types, for use on a.c. supplies up to 1000V at 50Hz or 60Hz, associated with fluorescent lamps with or without pre-heated cathodes operated with or without a starter or starting device and having rated wattages, dimensions and characteristics as specified in IEC 60081 and 60901.	GB19510.1-2004, GB19510.9-2004,	No Deviation	CNCA-01C-022 : 2007	AS/NZS 61347.1 + AS/NZS 61347.2.8	S & E	SDoC
			GB17743-1999,	No Deviation		AS/NZS 4051		
			GB17625.1-2003	No Deviation		AS/NZS 61000.3.2:2003		
	<b>Particular requirements for ballasts for discharge lamps (excluding fluorescent lamps)</b>	Ballasts for discharge lamps such as high-pressure mercury vapour, low-pressure sodium vapour, high-pressure sodium vapour and metal halide lamps. The standard covers inductive-type ballasts for use on a.c. supplies up to 1000V at 50Hz or 60Hz, associated with discharge lamps, having rated wattages, dimensions and characteristics as specified in IEC 60188, IEC60192 AND IEC 60662.	GB19510.1-2004, GB19510.10-2004,	No Deviation	CNCA-01C-022 : 2007	AS/NZS 61347.1:2002 + AS/NZS 61347.2.8:2002	S & E	SDoC
			GB17743 - 1999	No Deviation		AS/NZS 4051		
			GB17625.1-2003	No Deviation		AS/NZS 61000.3.2:2003		
	<b>Particular requirements for a.c.</b>	Mains-supplied a.c. to a.c. inverter including stabilizing elements for starting and	GB19510.1-2004, GB19510.4-2005	No Deviation	CNCA-01C-022 : 2007	AS/NZS 61347.1 + AS/NZS 61347.2.3	S & E	SDoC

Product Category	Specified Product	Product Description	Applicable Standard	Applicable Deviation	Implementation Rules	Relevant National Standard	E,S, S & E	NZ App or SDoC
	<b>supplied electronic ballasts for fluorescent lamps</b>	operating one or more tubular fluorescent lamps, generally at high frequency.  Electronic ballasts for use on a.c. supplies up to 1,000V at 50Hz or 60Hz with operating frequencies deviating from the supply frequency, associated with fluorescent lamps as specified in IEC 60081 and IEC 60901, and other fluorescent lamps for high-frequency operation.						
GB17743 - 1999			No Deviation		AS/NZS 4051			
GB17625.1-2003			No Deviation		AS/NZS 61000.3.2:2003			