

## Energy Safe Victoria Defect Listing

Defect No	Type	Rule/Regulation	Description	Defect Category
51010	2381.1:2005	1.6	Verification dossier not provided as required.	Technical
61030	2381.1:2005	2.3	Equipment located in a hazardous area not of a type suitable for use in a hazardous area.	Unsafe
51020	2381.1:2005	2.6	Acceptable certification of apparatus has not been provided.	Technical
61050	2381.1:2005	3.6	Suitable means of isolation of all live conductors not provided	Unsafe
61040	2381.1:2005	3.8	Wiring located in a hazardous area not of a type suitable for use in a hazardous area.	Unsafe
61070	2381.1:2005	3.8.11	Unused cable or conduit entry to equipment not closed with blanking element suitable for the type of explosion protection used.	Unsafe
61060	2381.1:2005	3.8.2	The wiring system in the hazardous area does not satisfy Table 3.1 (AS/NZS 2381.1).	Unsafe
62020	3000:2007	1.5.10	Conductors and other parts intended to carry fault current are not capable of carrying that current.	Unsafe
62030	3000:2007	1.5.11.4	Unused conductors, in association with conductors which remain connected, not terminated and protected in a suitable manner.	Unsafe
52004	3000:2007	1.5.14	The installation is not suitably protected against abnormal conditions which may reasonable be anticipated.	Technical
62010	3000:2007	1.5.3	Live parts of the installation are not enclosed or protected to prevent direct contact.	Unsafe
62040	3000:2007	1.5.4	Live parts of the installation are not enclosed or protected to prevent direct contact.	Unsafe
52008	3000:2007	1.6.5	Number of points connected to the final sub circuit does not provide adequate facility for safe and convenient functioning of the installation.	Technical
52012	3000:2007	1.6.5	The circuit arrangement does not provide adequate facility for the convenient functioning of the installation.	Technical
52016	3000:2007	1.7.1	Part/s of the electrical installation are not designed to provide for adequate protection against damage as required.	Technical
52020	3000:2007	1.7.1	<b>Electrical equipment not arranged to avoid interference with other equipment as required.</b>	Technical
62050	3000:2007	1.7.1	Installed equipment [as nominated] is unsafe.	Unsafe
62060	3000:2007	1.7.1	Installed equipment [as nominated] is defective.	Unsafe
52024	3000:2007	1.7.2	Adequate working space and safe means of access to equipment that may require attention has not been provided.	Technical
52028	3000:2007	1.7.2	Installed equipment is not compliant to the safe and sound practices of this clause.	Technical
62070	3000:2007	1.9.3	Alteration to the switchboard arrangement does not provide for the safe and effective control of circuits connected thereto.	Unsafe
52032	3000:2007	2.2.4.2	The voltage rating of electrical equipment is less than the nominal voltage of the circuit to which it is connected.	Technical
52036	3000:2007	2.2.4.3	Main switch has a current rating less than the design current of the portion of the installation it controls.	Technical
52040	3000:2007	2.2.4.3	Control switch has a current rating less than the design current of the portion of the installation it controls.	Technical
52044	3000:2007	2.2.4.3	The current rating of the protective device is less than the design current of the circuit.	Technical
52048	3000:2007	2.2.4.6	Item of electrical equipment may cause harm to other equipment	Technical
52052	3000:2007	2.3.2.1	Isolating switch remote from the equipment it controls is not provided with a means of securing in the open position.	Technical
62080	3000:2007	2.3.2.1.1	Switch or circuit breaker operates in the neutral conductor of a sub main or final sub-circuit where the required conditions are not satisfied.	Unsafe
52056	3000:2007	2.3.2.2.1	Isolating position of isolating device is not clearly and reliably indicated.	Technical
52060	3000:2007	2.3.2.2.1	Provision to isolate all active supply conductors not made.	Technical
52140	3000:2007	2.3.3	The number of main switches, their location, arrangement and identification does not allow for effective operation in an emergency.	Technical
52064	3000:2007	2.3.3.3	Main switch/es are not readily accessible.	Technical
52068	3000:2007	2.3.3.4	Main Switch/es are not identified as required.	Technical
52072	3000:2007	2.3.3.5	Remote control of main switches does not comply as required.	Technical
52076	3000:2007	2.3.4.2	Final sub circuit rated in excess of 100 amps per phase is not controlled by a separate isolating switch located on the originating switchboard.	Technical
52080	3000:2007	2.3.4.4	Isolating device not clearly marked as required.	Technical
52084	3000:2007	2.3.4.4	Switch which automatically brings alternative supply into service is not so marked.	Technical
52088	3000:2007	2.3.4.5	Isolating switch not installed for the appliance/accessory as required.	Technical

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52092	3000:2007	2.3.6.2	The OFF" position of the device intended for switching-off for mechanical maintenance is not clearly indicated.	Technical
52096	3000:2007	2.3.6.3	Isolating switch, remote from controlled equipment, not provided with a means of securing in the open position.	Technical
52100	3000:2007	2.3.6.4	Purpose of the isolating device [as nominated] is not indicated.	Technical
52104	3000:2007	2.3.6.4	Isolating device is not marked to indicate the motor or equipment it controls.	Technical
62090	3000:2007	2.5.1	Active circuit conductors not provided with suitable over-current protection.	Unsafe
52108	3000:2007	2.5.3.1	Current rating of protective device exceeds that required to protect the circuit conductors.	Technical
52112	3000:2007	2.5.4.2	Short circuit current protection not provided at an appropriate point in the installation.	Technical
52116	3000:2007	2.5.4.5	Short circuit protective device has an breaking capacity less than that required to permit satisfactory operation of such protective device under fault conditions.	Technical
52120	3000:2007	2.6.2.1	The current rating of the RCD is less than the maximum demand of the protected circuits.	Technical
52124	3000:2007	2.6.2.4	RCD protected final subcircuits are not arranged as required	Technical
52128	3000:2007	2.6.3.3	RCD protection not provided for medical electrical equipment used in home dialysis installation as required.	Technical
52132	3000:2007	2.6.3.4	Rewired final sub-circuit not protected by an RCD in the manner required.	Technical
52136	3000:2007	2.6.3.4	Additional (new) final sub-circuit not protected by an RCD in the manner required.	Technical
52144	3000:2007	2.9.2.1	Switchboard is not installed in a dry and well ventilated location.	Technical
52148	3000:2007	2.9.2.1	Access to switchboard is obstructed by a fitting or fixture within the building.	Technical
52152	3000:2007	2.9.2.2(b)	Adequate space not provided around switchboard for safe and effective operation of equipment.	Technical
52156	3000:2007	2.9.2.2(c)	Sufficient exit facilities not provided in switchroom.	Technical
52164	3000:2007	2.9.2.4	Main switchboard not identified or marked as required.	Technical
52168	3000:2007	2.9.2.5	Switchboard installed in a storage cupboard not mounted, or installed in an area set aside for the purpose, in accordance with the requirements.	Technical
62100	3000:2007	2.9.2.5	Switchboard installed in an area subject to splashing or steam without suitable enclosure .	Unsafe
52172	3000:2007	2.9.3.1	Access to switchboard having exposed live parts in an area accessible only to authorised persons is not provided with locking facilities.	Technical
62110	3000:2007	2.9.3.1	Live parts of the switchboard not provided with protection against direct contact.	Unsafe
62120	3000:2007	2.9.3.1	Neutral link not provided with protection against direct contact where there is no M.E.N. connection at the link.	Unsafe
52176	3000:2007	2.9.3.2	The switchboard does not meet the relevant safety requirements of the AS3439 series of standards.	Technical
52180	3000:2007	2.9.3.2	Material used for the switchboard enclosure, case or surround is not of a suitable type.	Technical
52184	3000:2007	2.9.3.3	The clearances between bare live parts of the switchboard, to those of opposite polarity or phase and/or to earth, do not meet the requirements of AS3439.	Technical
52188	3000:2007	2.9.3.4	Circuit breakers mounted in the same row do not operate in the one direction.	Technical
52192	3000:2007	2.9.4.1	Bar/s or link/s have not been provided with facilities for securely terminating conductors between metal surfaces as required.	Technical
52196	3000:2007	2.9.4.2	Earth bar/s or link/s have not been provided with facilities for securely terminating conductors between metal surfaces as required where tunnel-type terminals are provided for.	Technical
52200	3000:2007	2.9.4.3	Main neutral conductor connection to neutral bar or link not made in the required manner.	Technical
52204	3000:2007	2.9.4.3	Safe connection of conductors to neutral bar or link requires movement of other cables.	Technical
52208	3000:2007	2.9.4.3	Location of the neutral bar or link restricts the safe connection or disconnection of neutral conductors.	Technical
52212	3000:2007	2.9.4.3	The neutral bar or link is not provided with separate terminals for the incoming and each outgoing neutral conductor associated with active conductors originating or terminated at the switchboard.	Technical
52216	3000:2007	2.9.4.3	Location of the neutral bar or link restricts the safe connection or disconnection of neutral conductors.	Technical
52220	3000:2007	2.9.4.3	The neutral bar or link is not provided with separate terminals for the incoming and each outgoing neutral conductor associated with active conductors originating or terminated at the switchboard.	Technical
62130	3000:2007	2.9.4.3	Safe connection of conductors to neutral bar or link requires isolation of supply to the switchboard.	Unsafe
52224	3000:2007	2.9.5.2	Relationship of equipment mounted on switchboard to the various sections of the installation is not marked as required.	Technical
52228	3000:2007	2.9.5.3	Bar or link not marked to indicate whether it is active or neutral.	Technical
52232	3000:2007	2.9.5.4	Terminals of switchboard equipment are not marked or arranged to identify corresponding active and neutral connections for each circuit.	Technical

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52236	3000:2007	2.9.5.4	Main neutral and main earthing conductors at the neutral bar or link are not connected in the appropriate sequence or legibly and indelibly marked.	Technical
52240	3000:2007	2.9.5.4	Location of the remote M.E.N. connection not legibly and indelibly marked at the main switchboard.	Technical
52252	3000:2007	2.9.6	Conductors connected to hinged or removable switchboard panel not fixed and/or arranged as required.	Technical
52256	3000:2007	2.9.7	Switchboard enclosure not arranged to protect against the spread of fire.	Technical
52260	3000:2007	2.9.7	Wiring system entering switchboard enclosure not provided with close fit opening.	Technical
52264	3000:2007	2.9.7	Wiring system not installed to operate safely or function properly in the conditions to which it is exposed.	Technical
52268	3000:2007	2.98.	Technical defects not listed in Section 2 (Selection and Installation of Switchgear and Controlgear)	Technical
52360	3000:2007	3.1.2	Wiring system not suitably installed or protected against external influences.	Technical
52276	3000:2007	3.10.1.1	Single insulated conductors are not installed in a suitable wiring enclosure throughout their entire length.	Technical
52284	3000:2007	3.10.2.3	Wiring enclosure does not prevent the entry of water into electrical equipment or equipment enclosure.	Technical
52288	3000:2007	3.10.3.2	Wiring enclosure not adequately supported.	Technical
52292	3000:2007	3.10.3.3	Mechanical continuity of wiring enclosure not suitably maintained.	Technical
52296	3000:2007	3.10.3.4	Wiring enclosure bent in a manner to cause appreciable distortion.	Technical
52300	3000:2007	3.10.3.5	Opening through which conductor or cable passes is not shaped or arranged to prevent abrasion of the conductor insulation or sheathing.	Technical
52304	3000:2007	3.10.3.6	Wiring enclosure not suitably terminated in or on the equipment to fully protect the enclosed cables.	Technical
52308	3000:2007	3.10.3.7	Rigid PVC conduit installed in direct sunlight is not protected against the effects of ultra violet radiation.	Technical
52312	3000:2007	3.10.3.9	Cables installed in cable trunking rely on the removable cover for support.	Technical
52316	3000:2007	3.11.1	Underground wiring is not suitable for underground use.	Technical
52324	3000:2007	3.11.1	Required mechanical protection of underground wiring system is not provided.	Technical
52332	3000:2007	3.11.3	Category A or B wiring system not enclosed in a wiring enclosure is not bedded and covered as required.	Technical
52336	3000:2007	3.11.3.2	Category B underground wiring system has not been provided with additional mechanical protection.	Technical
52340	3000:2007	3.11.4	Underground wiring system not installed to the required depth as per Table 3.6.	Technical
52320	3000:2007	3.11.4.4	Underground Category A wiring system installed within the confines of a building has not been installed below a continuous concrete paved area of a minimum thickness of 75 mm in accordance with Table 3.6	Technical
52328	3000:2007	3.11.4.4	Underground wiring is not installed to the required depth in accordance with Table.3.6	Technical
52344	3000:2007	3.12.5	The construction of the aerial line does not satisfy all requirements.	Technical
52348	3000:2007	3.13.1	Outdoor cable supported by catenary wire is not of a suitable type.	Technical
52352	3000:2007	3.13.2	Catenary wire does not provide adequate and/or uniform support for the attached cables.	Technical
52356	3000:2007	3.13.2	Catenary wire not effectively fixed at each end.	Technical
52364	3000:2007	3.4.1	Maximum demand exceeds the current carrying capacity of the circuit conductors.	Technical
52368	3000:2007	3.4.1	Allowance not made for effect of thermal insulation on current carrying capacity of cable/s.	Technical
52372	3000:2007	3.4.2	Maximum temperature at which installed cables may be operated has been exceeded.	Technical
52376	3000:2007	3.4.3 (a)	Cross-sectional area of each conductor connected in parallel is less than 4mm <sup>2</sup> .	Technical
52380	3000:2007	3.5.1	Cross-sectional area of conductor is less than minimum size permitted.	Technical
52384	3000:2007	3.6.2	Voltage drop between the point of supply and any point on the installation exceeds 5%.	Technical
52388	3000:2007	3.7.2	Connection methods between conductors and between conductors and other electrical equipment have not been achieved as required.	Technical
52392	3000:2007	3.7.2.11	Tunnel type terminal having less than two clamping screws or other acceptable arrangement used to connect earthing conductor/s.	Technical
52396	3000:2007	3.7.2.3	Live parts not arranged to prevent slackening or over-heating of connections in normal service.	Technical
52400	3000:2007	3.7.2.5	Retention device not shaped to prevent the spreading of conductor strands.	Technical
52404	3000:2007	3.7.2.6	Junction box is not fixed to prevent undue pressure on conductor connections.	Technical
52408	3000:2007	3.7.2.6	The ELV transformer is not fixed, restrained or otherwise arranged to prevent undue stress on terminal connections.	Technical
52412	3000:2007	3.7.2.6	Cables and conductors are not installed to prevent undue stress on terminals, joints or connections.	Technical
52420	3000:2007	3.7.2.7	The soldered connection has not taken account of creep, mechanical stress and temperature rise under fault conditions.	Technical

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52424	3000:2007	3.7.2.7	Stranded soft soldered conductors are terminated under a clamping screw or between metal surfaces.	Technical
52428	3000:2007	3.7.2.8	Flexible cord is not provided with suitable device to prevent undue stress on terminals.	Technical
52432	3000:2007	3.7.3	Joint in conductor is not re-insulated as required.	Technical
52436	3000:2007	3.7.3	Joints in cables are not suitably enclosed where required.	Technical
52440	3000:2007	3.8.1	Fixed wiring is not correctly identified by colour as required.	Technical
52444	3000:2007	3.8.2	Appropriate colourfast and permanent sleeving of the correct colour has not been applied to identify the exposed live conductor ends.	Technical
62140	3000:2007	3.8.2	A conductor having green/yellow, green or yellow coloured insulation has been sleeved to indicate a live conductor.	Unsafe
52452	3000:2007	3.9.1	Wiring system not of a suitable type for the application.	Technical
52456	3000:2007	3.9.10	Single core cable installation does not limit the effects of circulating and eddy currents.	Technical
52460	3000:2007	3.9.3	Wiring system is not fixed in position by suitable clips, clamps or other acceptable means.	Technical
52468	3000:2007	3.9.3.3	Wiring system installed where likely to be disturbed is not protected and/or securely fixed.	Technical
52476	3000:2007	3.9.3.3	Wiring system installed where likely to be disturbed is not protected and/or securely fixed.	Technical
52492	3000:2007	3.9.4.2 (a)	Wiring system, installed within concrete or similar floor at a depth less than 50 mm from a surface, not protected as required.	Technical
52496	3000:2007	3.9.4.2 (b)	Wiring system, installed less than 150 mm from the underside of flooring, not protected as required.	Technical
52500	3000:2007	3.9.4.3	Wiring system, passing through the immediate roof support or retained in position less than 50 mm from the underside of roof material, not protected as required.	Technical
52504	3000:2007	3.9.4.3	Wiring system, installed through a space formed between the roof material and its immediate support.	Technical
52508	3000:2007	3.9.4.4	Wiring system, installed through a space formed between the roof material and its immediate support is not protected as required	Technical
52512	3000:2007	3.9.5	Cables run vertically are not provided with adequate support.	Technical
52516	3000:2007	3.9.7.2	Unarmoured sheathed cables installed within concrete, plaster or cement render are not suitably enclosed and protected.	Technical
52272	3000:2007	3.9.7.4	Cables including flexible cords used as fixed wiring not sheathed or enclosed as required.	Technical
52520	3000:2007	3.9.8	Wiring systems are not arranged to prevent detrimental effects between services.	Technical
52524	3000:2007	3.9.8.3	Effective segregation is not provided for cables of different voltage levels where installed in a common enclosure.	Technical
52528	3000:2007	3.9.8.4	Wiring system installed in proximity of non-electrical service/s is subject to damage from such service/s.	Technical
62150	3000:2007	3.9.8.4	Single insulated conductors installed in an enclosure where they may contact another service or are accessible to personal contact.	Unsafe
52532	3000:2007	3.9.8.	Technical defects not listed in Section 3 (Installation of Wiring Systems)	Technical
62160	3000:2007	3.9.9.	Hazardous defects not listed in Section 3 (Installation of Wiring Systems)	Unsafe
52536	3000:2007	4.13.1.1	Motor not controlled by a separate switch or device suitable for starting and stopping operations by a persons in charge of the motor.	Technical
62540	3000:2007	4.13.1.3	Remotely controlled motor/s not provided with devices for stopping the motor/s at point/s where danger is likely to occur.	Unsafe
62170	3000:2007	4.13.1.3	Motor not controlled by a separate switch or device suitable for starting and stopping operations by a persons in charge of the motor.	Unsafe
52544	3000:2007	4.13.2	Motor exceeding 0.37 kW is not provided with protection against overload.	Technical
52548	3000:2007	4.14.1	Transformer not installed controlled and/or protected as required.	Technical
62180	3000:2007	4.2.2.3	Electrical equipment which operates at high temperature not installed in a manner to protect adjacent combustible materials	Unsafe
62190	3000:2007	4.2.2.3	ELV halogen lamp not installed in a manner to protect adjacent combustible materials	Unsafe
62200	3000:2007	4.2.2.4	Equipment emitting arcs or sparks not protected as required.	Unsafe
52552	3000:2007	4.3.1	Point of connection of installation wiring to electrical equipment has not been installed as required.	Technical
52564	3000:2007	4.4.2.1	Socket-outlet installed in a manner that restricts plug being conveniently inserted or withdrawn.	Technical
52568	3000:2007	4.4.2.2(a)	Socket outlet installed on a horizontal surface is not arranged to prevent dust or water accumulation.	Technical
52572	3000:2007	4.4.2.2(b)	Socket-outlet mounted within 75 mm of the floor does not allow withdrawal of plug in a horizontal plane.	Technical
52576	3000:2007	4.4.2.2(c)	Socket-outlet not so installed that a plug is unlikely to become loose or malfunction due to the effects of gravity, vibration or weight of the flexible cord.	Technical
62220	3000:2007	4.4.3	Socket-outlet (other than ELV) not provided with an earthing contact.	Unsafe
52580	3000:2007	4.4.4.1	Switch not provided for socket-outlet/s as required.	Technical

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52584	3000:2007	4.4.4.3	Switch not located as close as practicable to the associated socket outlet as required.	Technical
52588	3000:2007	4.4.4.3	Switch for electrical equipment or socket outlet not marked as required where the relationship is not obvious.	Technical
52592	3000:2007	4.4.4.4	Pendant socket outlet switch does not interrupt all live conductors.	Technical
62230	3000:2007	4.4.5	Polarisation of socket outlet/s not as required.	Unsafe
52596	3000:2007	4.5.1.2	Neutral conductor not connected to outer contact of Goliath Edison Screw lampholder.	Technical
52600	3000:2007	4.5.2	Lamps and luminaires not installed as required.	Technical
62240	3000:2007	4.5.2.1	Required separation or barrier between thermal insulating material and lamp or luminaire not provided.	Unsafe
62250	3000:2007	4.5.2.2	Lamp near flammable material not suitably shielded as required.	Unsafe
62260	3000:2007	4.5.2.3	Required separation or barrier between thermal insulating material and recessed lamp or luminaire not provided.	Unsafe
52608	3000:2007	4.7.1	Fixed or stationary cooking appliance not provided with a functional switch.	Technical
52612	3000:2007	4.7.1	Functional switch for fixed or stationary cooking appliance is not located in a visible position near the appliance.	Technical
52616	3000:2007	4.7.1	Functional switch for fixed or stationary cooking appliance is not located in an accessible position near the appliance.	Technical
52560	3000:2007	4.8.2.3	Independent isolating switch is not provided for the water heater.	Technical
52620	3000:2007	4.8.2.3	Water heater isolating switches are not grouped together.	Technical
52624	3000:2007	4.8.2.3	Isolating switch/es are not located on or adjacent to the water heater or on the switchboard.	Technical
52628	3000:2007	4.9.1	Room heater/s not provided with the required switch/es.	Technical
52632	3000:2007	4.98.	Technical defects not listed in Section 4 (Appliances and Accessories)	Technical
52636	3000:2007	5.1.3	Installation required to be earthed does not conform with the requirements for the Multiple Earthed Neutral (M.E.N) system of earthing.	Technical
52684	3000:2007	5.3.2.3	Metallic wiring enclosure or cable sheath/armour is not earthed in the manner required.	Technical
52640	3000:2007	5.3.2.4	Earthing conductors are not insulated as required.	Technical
52644	3000:2007	5.3.2.5	Main earthing conductor is not identified in accordance with Clause 3.8	Technical
52648	3000:2007	5.3.3	The cross-sectional area of the copper protective earthing conductor is less than that required as determined.	Technical
52652	3000:2007	5.3.3.2	The cross sectional area of the main earthing conductor is less than that required.	Technical
52656	3000:2007	5.3.5	MEN connection at main switchboard has not made as required.	Technical
52660	3000:2007	5.3.5.1	Provision has not been made to effect a connection between the main earthing terminal, bar or link and the earthing terminal on the main neutral link (the MEN Link).	Technical
52668	3000:2007	5.3.5.3	Insulated MEN link is not coloured green or in a combination of green and yellow.	Technical
52672	3000:2007	5.3.6.3	Earth electrode is not installed at an adequate depth.	Technical
52676	3000:2007	5.3.6.4	Earth electrode not located in a suitable position.	Technical
52680	3000:2007	5.3.6.4	Location of the earth electrode has not been identified at the main switchboard.	Technical
62280	3000:2007	5.4.1	Original installation not modified as required where an earthed situation has been created. Clause 1.5 (b)	Unsafe
62290	3000:2007	5.4.1.1	Hinged door, on which electrical equipment is mounted, not effectively earthed as required.	Unsafe
62300	3000:2007	5.4.1.1	Exposed conductive part/s of electrical equipment not effectively earthed as required	Unsafe
62310	3000:2007	5.4.1.1	Exposed conductive part/s of switchboard enclosure not effectively earthed.	Unsafe
62320	3000:2007	5.4.2	Socket outlet earthing contact is not effectively connected to earth as required.	Unsafe
52688	3000:2007	5.4.3	Protective earthing conductor not provided at lighting point/s.	Technical
62330	3000:2007	5.4.4	Exposed conductive part/s of luminaire not effectively earthed as required.	Unsafe
62340	3000:2007	5.4.6	Structural metalwork and/or conductive building materials not effectively earthed as required.	Unsafe
62350	3000:2007	5.4.6.1	Single insulated conductors are not effectively separated from conductive building materials.	Unsafe
52692	3000:2007	5.5.1.1	Main earthing conductor does not run as directly as practicable between the main earthing terminal, bar or link and the earth electrode.	Technical
52712	3000:2007	5.5.1.2	Connection of main earthing conductor to earth electrode is not suitably protected against mechanical damage.	Technical
52720	3000:2007	5.5.1.2	Connection of main earthing conductor to earth electrode is not suitably protected against corrosion.	Technical
52704	3000:2007	5.5.1.2(a)	Connection of main earthing conductor to earth electrode is not accessible.	Technical

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Defect No	Type	Rule/Regulation	Description	Defect Category
52708	3000:2007	5.5.1.2(b)	Connection of main earthing conductor to earth electrode is not made by means of a suitable device.	Technical
52696	3000:2007	5.5.1.2(c)	Earthing conductor is liable to mechanical damage.	Technical
52700	3000:2007	5.5.1.2(d)	Earthing conductor is not protected against corrosion.	Technical
52728	3000:2007	5.5.1.3	Main earthing conductor is not identified at the earth electrode connection as required.	Technical
72010	3000:2007	5.5.1.4	Resistance of main earthing conductor exceeds 0.5 ohm.	Testing
52732	3000:2007	5.5.2.1	Protective earthing conductor/s not connected to the earthing system at a required point.	Technical
52736	3000:2007	5.5.3.1	More than one MEN connection effected in one outbuilding.	Technical
62360	3000:2007	5.5.3.5	Earthing of exposed conductive parts associated with electrically unprotected consumers mains not effected in the manner required.	Unsafe
52740	3000:2007	5.5.5.2	Earthing conductor is liable to mechanical damage.	Technical
52744	3000:2007	5.5.6.2	Constructional screw, bolt or stud used as an earthing connection is not arranged as required.	Technical
62370	3000:2007	5.5.6.2	Mechanical and electrical continuity of earthing medium not arranged or maintained as required.	Unsafe
52748	3000:2007	5.6.2	Equipotential bonding conductor has not been connected to metallic water pipe system installed within the building and metallicly continuous to the ground.	Technical
52752	3000:2007	5.6.2.4	Metal cable sheath, metallic wiring enclosure or bare earthing conductor is not separated from or bonded to metal pipes containing flammable agents as required.	Technical
52756	3000:2007	5.6.2.5	Conductive reinforcing within concrete floor/wall not bonded to earthing system as required.	Technical
52760	3000:2007	5.6.3.1	Equipotential bonding conductors are not effectively protected against mechanical and chemical influences and electro-dynamic forces.	Technical
62380	3000:2007	5.7.4	Impedance of protective earthing system not low enough to allow the circuit protective devices to operate as required.	Unsafe
52768	3000:2007	5.98.	Technical defects not listed in Section 5 (Earthing Arrangements & Conductors)	Technical
62390	3000:2007	5.99.	Hazardous defects not listed in Section 5 (Earthing Arrangements & Conductors)	Unsafe
62400	3000:2007	6.2.4.2	Socket outlet/s located in a Classified Zonal Area not installed in accordance with the requirements.	Unsafe
52772	3000:2007	6.2.4.3	Switch or other accessory, installed in an area classified as Zone 1 and 2, not provided with the required degree of protection.	Technical
62410	3000:2007	6.2.4.3	Switch or other accessory installed within 0.3 m of a bathroom, laundry or other similar location where the floor is likely to become wet.	Unsafe
52784	3000:2007	6.2.4.4	Luminaire/s located in a Classified Zonal Area not installed in accordance with the requirements.	Technical
62420	3000:2007	6.3.3.3	Electrical equipment in contact with pool water not suitably protected against the generation of voltage gradients.	Unsafe
62430	3000:2007	6.3.4.3	Socket-outlet/s installed within 0.3 m of the floor of a bathroom, laundry or other similar location where the floor is likely to become wet.	Unsafe
62440	3000:2007	6.3.4.3	Socket outlet/s installed in an area classified as Zone 0 or 1	Unsafe
62450	3000:2007	6.3.4.3 (b)	Socket outlet/s located in an area classified as Zone 2 is not installed in accordance with the requirements.	Unsafe
52792	3000:2007	6.3.4.3(b)	Socket-outlet/s not used for the connection of pool equipment installed in an area classified as Zone 1.	Technical
52796	3000:2007	6.4.3.2.1	Electrical equipment associated with a fountain or water feature not supplied or protected as required.	Technical
52800	3000:2007	6.6.4.1	Equipment installed in the refrigeration room not provided with the appropriate degree of protection.	Technical
52804	3000:2007	6.6.4.2.3(a)	Wiring enclosure passing from a refrigerated to a non-refrigerated space is not sealed with a soft setting compound.	Technical
52808	3000:2007	6.6.4.2.3(b)	Point of entry of cable/s entering motor/s, luminaire/s, or other equipment located in a refrigerated space is/are not sealed with a soft setting compound.	Technical
52812	3000:2007	6.6.4.4.1(a)	Luminaire located in a refrigerated space is not permanently sealed or arranged to prevent moisture from entering the lampholder or other component/s containing live parts.	Technical
52816	3000:2007	6.6.4.4.1(b)	Luminaire located in a refrigerated space is not permanently sealed or arranged to prevent the retention of moisture in or on the fitting.	Technical
52820	3000:2007	6.7.4.2	Enclosure of electrical equipment located or mounted within an area subject to hosing is not provided with a degree of protection of at least IPX5.	Technical
52824	3000:2007	7.2.4.1	Main switches used for the control of safety services are subject to control by other general electrical main switches.	Technical
62470	3000:2007	7.2.7.1	Wiring system/s used to supply emergency equipment are not capable of maintaining supply to the equipment when exposed to fire.	Unsafe
52828	3000:2007	7.2.8	Wiring systems for different emergency systems are enclosed in a common enclosure or cable sheath with each other and/or other systems.	Technical
52832	3000:2007	8.3.6	Appliance or item of equipment has an insulation resistance less than that permitted between live parts and earth.	Technical
72030	3000:2007	8.3.6.2	Insulation resistance between conductors and earth of consumers mains and/or submains is less than 1 megohm.	Testing
72040	3000:2007	8.3.6.2	Insulation resistance between conductors and earth of final sub-circuit is less than 1 megohm.	Testing

## Energy Safe Victoria Defect Listing

Defect No	Type	Rule/Regulation	Description	Defect Category
62480	3000:2007	8.3.7.2	Active and neutral conductors of circuit wiring are transposed.	Unsafe
72050	3000:2007	8.98.	Testing defects not listed in Section 8 (Testing & Verification)	Testing
52836	3000:2007	8.99.	Technical defects not listed in Section 8 (Testing & Verification)	Technical
63030	3001:2008	2.2.8.3	Equipment is not adequately protected from the weather, splashing or mechanical damage	Unsafe
53050	3001:2008	2.3.9	A tie bar or similar is not provided for anchorage of cord extension sets adjacent to the socket outlet	Technical
54050	3003:2003	2.5	Test and reset facilities for RCDs supplying a cardiac protected area are not located within that area.	Technical
54060	3003:2003	2.5	Test and reset facilities for RCDs supplying a cardiac protected area are not accessible without the use of a key	Technical
54080	3003:2003	2.6.3	Socket outlet or groups of socket outlets are not marked to indicate their source and/or are not suitably marked to indicate when the socket outlet switch is "ON"	Technical
64050	3003:2003	2.7.1	The RCDs protecting low voltage circuits have a rated residual current in excess of 10 mA.	Unsafe
55050	3010:2005	2.4	Generating set installation does not satisfy the general requirements for control.	Technical
55060	3010:2005	2.5.5	Generating set installation does not satisfy the operation requirements for changeover facilities.	Technical
55070	3010:2005	3.6.2	Permanently connected emergency generating set does not satisfy the requirements for supply of other than safety services.	Technical
56100	3012:2003	2.5	Horizontal cable runs are not supported adequately and/or are installed less than 2 m above floor or ground level	Technical
56020	3012:2003	2.1.6	Transportable construction huts are not supplied by separate and distinct final subcircuits or submains	Technical
56090	3012:2003	2.1.6	Final subcircuits supply more than one type of equipment	Technical
56030	3012:2003	2.3.2	The switchboard has not been marked with numbers or letters to identify it from others on site	Technical
66010	3012:2003	2.3.3	Switchboard enclosures are not securely fixed to the structure, post or pole	Unsafe
56040	3012:2003	2.3.5	The switchboard enclosure does not provide facilities for opening/closing of the door without cable damage and/or a tie bar or similar for anchorage of cables or cords	Technical
56050	3012:2003	2.4.1	The switchboard is not provided with an isolating switch	Technical
56060	3012:2003	2.4.2	The isolating switch is not provided with a device for securing it in the open position	Technical
56070	3012:2003	2.4.3	The switch/es on the switchboard are not marked to identify the portion of the installation that they control	Technical
56080	3012:2003	2.4.4	The letters identifying the switchboard equipment are less than 6 mm in height	Technical
66020	3012:2003	2.4.6	Final subcircuits are not protected by RCDs having a maximum rated residual current of 30 mA	Unsafe
56110	3012:2003	3.9.	Provision has not been made on site to record the results of tests on the construction wiring and non-portable RCDs	Technical
59010	ES Act	44 (1)(a)	Technical defect not otherwise listed in the Electricity Safety Act 1998	Technical
59020	ES Act	44 (3)	All details required on the signed Certificate of Compliance have not been completed	Technical
59030	ES Act	45A	The Certificate of Compliance for Non-Prescribed Electrical Installation Work has been issued where all or part of the work is deemed to be Prescribed Electrical Installation Work	Technical
59040	ES Act	45A	The Certificate of Compliance has not been signed to declare compliance in accordance with the Electricity Safety Act	Technical
59050	ES Act	45A (1)(b)	The Certificate of Compliance has not been issued to the person for whom the work was carried out within the required time	Technical
59060	ES(Inst) R	401	Outdoor cable supported by catenary wire installed or substantially reconstructed in a hazardous bushfire risk area.	Technical
79010	ES(Inst) R	405	All parts of the wiring within the installation have not passed the required tests.	Testing
59080	ES(Inst) R	407	The Prescribed Electrical Installation Work has not been inspected within the prescribed time.	Technical
59070	ES(Inst) R	412	Electronic notification of the completed Certificate of Compliance (P & N type) has not been given within 2 business days of completion of that work	Technical
59090	ES(Inst) R	443	Aerial line or other cable system attached to a low voltage electrical installation on public land.	Technical
69010	ES(Inst) R	401 (2)	Electrically unprotected underground consumer's mains are not effectively sheathed to the first protective device as required.	Unsafe
59100	ES(Inst) R	401 (4)	Alternative method, material or arrangement of the installation used is not deemed suitable by the regulatory authority.	Technical
59110	ES(Inst) R	402 (1)	Individual wiring supplying a lot or occupancy, which contains common property or any common area, has not been placed on that common property or common area.	Technical
59120	ES(Inst) R	402 (2)(a)	The section of wiring passing through another lot or occupancy or the service duct in another lot or occupancy has not been clearly or permanently identified by means of marking or attached labels as required.	Technical



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Defect No	Type	Rule/Regulation	Description	Defect Category
59130	ES(Inst) R	402 (2)(a)	The section of wiring passing through another lot or occupancy or the service duct in another lot or occupancy has not been identified by means of marking or attached labels at the required intervals as required.	Technical
59140	ES(Inst) R	402 (2)(b)	The switchboard of any lot or occupancy through which other wiring or service ducts pass has not been clearly and permanently marked to indicate Warning – not all wiring passing through these premises is controlled from this switchboard”.	Technical
69020	ES(Inst) R	403 (1)	Substantially reconstructed private overhead electric line in a Hazardous bushfire risk area not installed underground	Unsafe
59150	ES(Inst) R	404 (1)	Route of underground electric line not recorded in a permanent form on a durable card or other durable material.	Technical
59160	ES(Inst) R	404 (1)	Record of the route of underground electric line has not been fixed within the meter box or in a suitable position approved by the ESV within the required time.	Technical
59170	ES(Inst) R	404 (3)	Route of underground electric line not recorded accurately as practicable with a margin of error not exceeding 200 millimetres.	Technical
59180	ES(Inst) R	Part 4	Technical defect not listed in the Electricity Safety (Installation) Regulations 1999.	Technical
69030	ES(Inst) R	Part 4	Unsafe defect not listed in the Electricity Safety (Installation) Regulations 1999.	Unsafe