

1. PRODUCTS REGULATED BY THE EQUIPMENT ENERGY EFFICIENCY (E3) PROGRAM

TABLE 1. PRODUCTS REGULATED BY THE E3 PROGRAM AS AT 1 OCTOBER 2011.

PRODUCT	SECTOR	MEASURE Year (to be) implemented/ revised			REGULATORY STANDARD	
		MEPS	Labelling*	HEPS	Test Method: Year	MEPS/Labelling: Year
Air Conditioners						
Chiller towers	C	2009	-		AS/NZS4776.1:2008	AS/NZS4776.2:2008
Close Control Units (CCUs)	C	2009	-		AS/NZS4965.1:2008	AS/NZS4965.2:2008
Single-phase air conditioners	R,C	2004, 2006, 2010, (2011)	ML: 1992, 2000, 2010		AS/NZS3823.1.1:1998 (Non-ducted) AS/NZS3823.1.2:2001 (Ducted)	AS/NZS3823.2:2009
Three-phase air conditioners	C	2001, 2010 (2011)	VL: 2001, 2010		AS/NZS3823.3:2005(Simulation)	AS/NZS3823.2:2009
Commercial and industrial						
Refrigerator Display Cabinets	C	2004	-		AS1731.1-13:2003	AS1731.14:2003
Distribution Transformers	I	2004	-	2004	AS60076.11:2006 (Dry type); AS60076.1:2005 (Oil immersed)	AS2374.1.2:2003/Amdt1-2005
Electric Motors (Three-phase)	C,I	2001, 2006	-	2001, 2006	AS/NZS1359.102.3:2003 (Method A); AS1359.102.1:1997 (Method B)	AS/NZS1359.5:2004
Residential Recreation						
Swimming pool pumps	R	2010 (voluntary)	VL:2010			
Water Heating						
Electric Water Heaters	R,C	1999, 2005	-		AS/NZS4692.1:2005; AS1056.1:1991/Amdt5-2005; NZ4602:1988; NZ4606.1:1989	AS/NZS4692.2:2005; AS1056.1/Amdt3-1996; NZ4602:1988; NZ4606.1:1989
Gas Water Heaters	R	2011	-		AS 4552	AS/NZS 4552.2 2011
Home Entertainment and ICT						
External Power Supplies	R,C	2008	PM: 2009		AS/NZ4665.1:2005/Amdt1-2009	AS/NZ4665.2 :2005/Amdt1-2009
Complex and Simple Set Top Box	R	2009	-		AS/NZS62087.1:2010	AS/NZS62087.2.1:2008
Complex Set Top Box CoC	R	Dec 2009 (voluntary)	-		Code of Conduct test method	Code of Conduct Energy Limits
Televisions	R	2009 (2012)	ML: 2009 (2012)		AS/NZS62087.1:2010	AS/NZS62087.2.2:2010
Lighting						
Linear fluorescent ballasts	C,I	2003	-		AS/NZS4783.1:2001	AS/NZS4783.2:2002
Linear fluorescent lamps	C,I	2004	-		AS/NZS4782.1:2004 (IEC60081)	AS/NZS4782.2:2004; NZHB4782.2
Self-ballasted CFLs	R,C	2009	-		AS/NZS4847.1:2010	AS/NZS4847.2:2010
Incandescent lamps	R,C	2009	-		AS/NZS4934.1(Int):2008	AS/NZS4934.2(Int):2008
Convertors for ELV Lamps	R,C	2010	-		AS/NZS 4879.1:2010	AS/NZS 4879.2:2010
Whitegoods						
Clothes dryers	R	-	ML: 1992, 2000		AS/NZS2442.1:1996/Amdt4:2006	AS/NZS2442.2:2000/Amdt2:2007
Clothes washers	R	-	ML: 1992, 2000		AS/NZS2040.1:2005/Amdt1:2007	AS/NZS2040.2:2005
Dishwashers	R	-	ML: 1992, 2000		AS/NZS2007.1:2005	AS/NZS2007.2:2005
Refrigerators	R	1999, 2005,2010	ML: 1992, 2000, 2010		AS/NZS4474.1:2007/Amdt1:2008	AS/NZS4474.2:2009
Freezers	R	1999, 2005, 2010	ML: 1992, 2000, 2010			

Sectors R- residential; C- commercial; I- industrial

Measures MEPS – minimum energy performance standards; ML- Mandatory Labelling; PM – Performance Marking; VL- Voluntary Labelling, HEPS – high efficiency performance standards

***Labelling** Some states had mandatory energy regulations prior to 1992 for a range of products. For example, refrigerators were first labelled in late 1986 in NSW and VIC. Algorithm changes occurred in 2000 for all products. Algorithm changes for refrigerators, freezers and air conditioners occurred in 2010.

Codes AS/NZS Australian/New Zealand standard;
NZHB-New Zealand handbook (a regulatory standard prepared by the NZ Government and published by standards NZ) labelling.