Code for Environmental Sustainability of Buildings

Addendum No. 1

Effective from 1 September 2014

Applicable to 1st Edition

This Addendum shall be read in conjunction with the Code for Environmental Sustainability of Buildings and shall form part of the Code.

Amendments to the Code

(1) Purpose of amendments

The purpose of the amendments is to allow alternative scoring methodology for meeting the criteria under 'RB 1-2 Dwelling Unit Indoor Comfort'.

(2) List of amendments

(a) Item 1-2(a)(i) under the 'RB 1-2 Dwelling Unit Indoor Comfort' in Table 4.1.7(a) on Page 8 of the Code shall be replaced as provided below. Changes are highlighted in blue.

Table 4.1.7(a) :	Residential	Building	Criteria
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Part 1 - Energy Efficiency	Green Mark Points		
RB 1-2 Dwelling Unit Indoor Comfort			
Enhance dwelling unit indoor comfort either through the provision of better efficient air-conditioners or good natural ventilation design.	Extent of Coverage : At least 90% of the air-conditioners used in all dwelling units Air-conditioners labelled with :		
 (a)(i) Use of energy efficient air-conditioners that meet the prescribed energy performance standards. 	Two Ticks – 2 points Three Ticks – 6 points Four Ticks – 12 points OR		
	Coefficient of Performance (COP) range	Point Allocation	
	3.34 > Weighted COP ≥ 2.92	2	
	COP _{100%} ≥ 3.06 & 3.76 > Weighted COP ≥ 3.34	6	
	COP _{100%} ≥ 3.34 & Weighted COP ≥ 3.76	12	
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(b) Item 1-2(a)(i) under the 'RB 1-2 Dwelling Unit Indoor Comfort' on Page 38 of the Code shall be replaced as provided below. Changes are highlighted in blue.

Requirements	For development with provision of air-conditioners					
	Extent of coverage : At least 90% of air-conditioners used in all dwelling units.					
	1-2 (a)(i) Up to 12 points can be scored for the use of the air-conditioners that are certified under the Singapore Energy Labelling Scheme based on the following rating.					
		Rating	Point Allocation			
		$\checkmark\checkmark$	2			
		$\checkmark\checkmark\checkmark$	6			
		$\checkmark \checkmark \checkmark \checkmark$	12			
	C)R				
	w p	ith Coefficient of Per erformance standards	scored for the provision formance (COP) that is stated in the following rmance Standards for Air	meet the Table 1-	prescribed energy -2.	
	Co	Coefficient of Performance (COP) range			int Allocation	
		3.34 > Weighted COP ≥ 2.92			2	
		COP _{100%} ≥ 3.06 & 3.76 > Weighted COP ≥ 3.34			6	
		COP _{100%} ≥ 3.34 & Weighted COP ≥ 3.76			12	
	Notes :					
	(1) Coefficient of Performance or COP refers to the ratio of the total cooling capacity expressed in Watts to the total effective input power expressed in Watts, and as specified in the test report.					
			im of 0.4 × COP at full-lo sity i.e. Weighted COP =			

(c) Documentary evidence requirements for Item 1-2(a)(i) under the 'RB 1-2 Dwelling Unit Indoor Comfort' on Page 41 of the Code shall be replaced as provided below. Changes are highlighted in blue.

Documentary Evidences	For 1-2(a)(i) – For dwelling units with provision of air-conditioners		
	• Extracts of the tender specification showing the types of air-conditioners provided for all dwelling units of the development;		
	• Technical product information and schedule of air-conditioners showing the numbers, types and approved tick-rating as registered; and		
	• Testing report endorsed by the testing laboratory showing the results of tests carried out in accordance with applicable test standards as prescribed in the Energy Conservation (Energy Labelling and Minimum Performance Standards for Registrable Goods) Regulation.		