

Electrical and Mechanical Services Department

Technical Guidelines on Code of Practice for Energy Efficiency of Building Services Installation

2012 Edition (Rev.1) ((TG-BEC 2012 (Rev.1))

Addendum No. TG-BEC02

(taking effect from 29 March 2018)

The following tables of the above Technical Guidelines are revised as follows (**amendments shown in bold red**):

1) Table 3.3

<u>Table 3.3 : Examples of Building Services Installations to which the Ordinance Does Not Apply</u>	
<u>Building services installation</u>	<u>Justification</u>
Fire service pump	A fire service installation, and thus not a building services installation under the Ordinance
Electrical circuit solely serving the above pump	Solely for fire suppression and extinguishing (item 1(c), Schedule 2 of Ordinance)
Smoke extract fan such as for basement (fan not for other use except for smoke extract)	Solely for providing a low smoke concentration level for life protection (item 2(d), Schedule 2 of Ordinance) Air movement equipment being part of a fire service installation not for normal operation. [Air-conditioning installation NOT within the scope of BEC clause 6.1.2 (a)]
Electrical circuit solely serving the above fan	Circuit fed by essential power supply and provides supply to equipment or installation which is NOT for routine normal operation. [Electrical installation NOT within the scope of BEC clause 7.1.2 (b)].
Remark: Further examples are also given in TG sections 5 to 8 according to the different categories of building services installations.	

2) Table 7.1.3

<u>Table 7.1.3 : Examples of BEC Non-applicable Electrical Installations</u>	
<u>Examples</u>	<u>Justifications</u>
Equipment or cabling at high electrical voltage, such as chiller that operates at 3.3 kV and associated high voltage circuit	BEC clause 7.1.3(a)
Equipment or cabling at extra low voltage, such as of close circuit surveillance TV system, public address system etc. that operate at 24V	
Cabling, exhaust fan etc. that are provided by electricity supplier and installed in consumer's substation	BEC clause 7.1.3(b)
Motor of fire service pump and cabling solely for the pump	BEC clause 7.1.3(c) (fulfilling item 1 of Schedule 2 of the Ordinance)
Cabling solely for lighting solely used for surgical operation, cabling solely for dialysis machine, cabling solely for image-guided radiation therapy etc. (such as in a hospital)	BEC clause 7.1.3(c) (fulfilling item 2(a), 2(b) or 2(c) of Schedule 2 of the Ordinance)
Cabling solely for non-maintained type emergency lighting	BEC clause 7.1.3(c) (fulfilling item 2(d) of Schedule 2 of the Ordinance) Circuit fed by essential power supply and provides supply to equipment or installation which is NOT for routine normal operation. [Electrical installation NOT within the scope of BEC clause 7.1.2(b)]
Cabling solely for an equipment (e.g. in an industrial unit) solely used for industrial manufacturing	BEC clause 7.1.3(c) (fulfilling item 4 of Schedule 2 of the Ordinance)
Cabling solely for a fume cupboard (e.g. in a university) solely used for research, and the fan motor solely serving the fume cupboard	BEC clause 7.1.3(c) (fulfilling item 5 of Schedule 2 of the Ordinance)
Generator set and outgoing cabling	Generator set is not an electrical installation for electricity distribution or utilization
Appliances not fixed in position such as portable desk lamp, portable ventilating fan, flexible extension lead with multi-socket adaptor	Portable appliances are not fixed equipment or fixed distribution network, and are thus not governed by the Ordinance

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