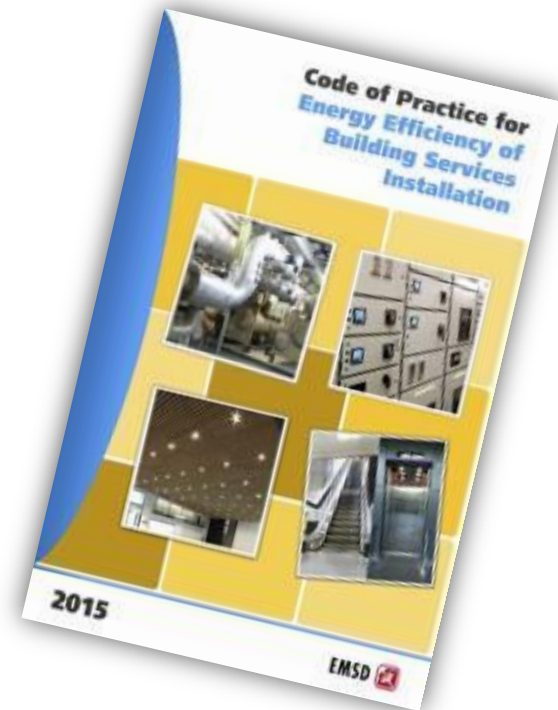




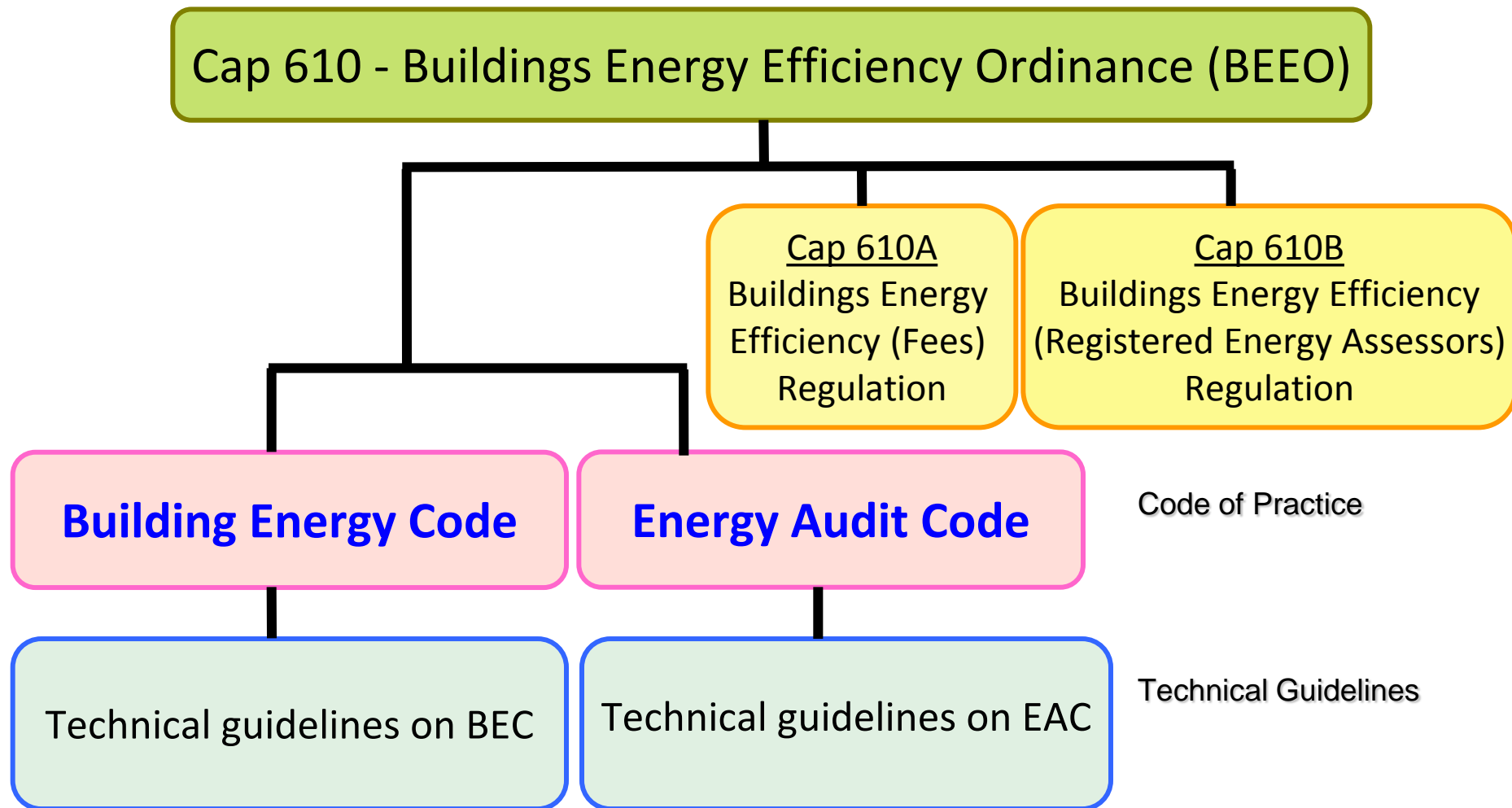
Buildings Energy Efficiency Ordinance & Building Energy Code 2015 (BEEO & BEC 2015)



Nov. 2016



1. BEEO
2. BEC 2015
 - a. Lighting Installation
 - b. Electrical Installation
 - c. Air-conditioning Installation
 - d. Lift and Escalator Installation
 - e. Performance-Based Approach
3. BEC Editions
4. EAC
5. Way Forward
6. Information Source





BEC

- 1) Commercial building
- 2) Industrial building - common area
- 3) Residential building - common area
- 4) Composite building - commercial portion
- 5) Composite building - common area of portion for residential or industrial use

- 6) Hotel & guesthouse
- 7) Educational building
- 8) Community building
- 9) Municipal services
- 10) Hospitals & clinics
- 11) Government building
- 12) Airport passenger building
- 13) Railway station

EAC

- Commercial building
- Composite building – commercial portion

Certificate of Compliance Registration (COCR)

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- ◆ Applicable to 13 types prescribed buildings in Schedule 1

- ◆ **Stage 1 Declaration (by Developer)**
 - Within **2 months** after *consent date of commencement of superstructure works*
 - Prescribed BSIs will comply with the BEC Code

- ◆ **Stage 2 Declaration (by Developer)**
 - Within **4 months** after *Occupation Permit* date
 - Prescribed BSIs have been **designed, installed and completed** with BEC edition of not lower than the declaration in Stage 1



Form of Compliance (FOC)

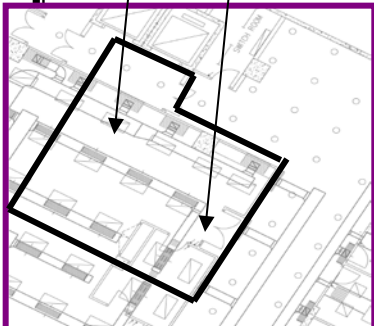
Major Retrofitting Works (MRW) - Table 10.1

Works Area

Addition/replacement of a BS installation specified in the BEC at the following conditions –

total floor area covered by the works (i.e. works area) $\geq 500 \text{ m}^2$ in a unit or a common area

Works conducted as a same series of works in phases or at different places, total floor area covered by these works (i.e. works area) within 12 months aggregating to $\geq 500 \text{ m}^2$



Central BS installation

Addition/replacement of a main component of a central BS installation, incl. –



a complete electrical circuit at rating $\geq 400\text{A}$;



a unitary air-conditioner or a chiller at rating $\geq 350\text{kW}$ (cooling or heating);



motor drive + mechanical drive of a lift, escalator or passenger conveyor

OR



Form of Compliance (FOC)

Major Retrofitting Works (MRW) Same series of works

All relevant factors **:

1. a single contractor;
2. a single arrangement;
3. a single works order;
4. time and period of the works;
5. contractor's payment manner; and
6. if the works are treated as a **single project** in the **plans and works programme**.

(**) Notes (3), Schedule 3 of the BEEO



Enforcement actions on low compliance rate of FOC

- Liaise with government departments (LCSD, FEHD) for information of MRW
- Outreaching Programme
- List of New / Modification of Lift & Escalator Installation
- Cooling Tower, application for water connection (potential MRW when involving chiller replacement also)
- Sampling Inspection

Prosecution Action under BEEO

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➤ No. of issued Improvement Notice	Over 150
➤ No. of prosecution	5
➤ Fine for each prosecution case	\$2,000 - \$21,000

EMSD will progressively proceed enforcement action towards developer / building owners / Responsible Person / REA who contravene the BEEO requirement

Review of the BEC and EAC



- ◆ Review in a 3-year interval

- ◆ Making reference to:
 - **the latest technology development;**
 - **recognized international standards** from other countries including Mainland China, *USA, UK, Singapore and Australia*

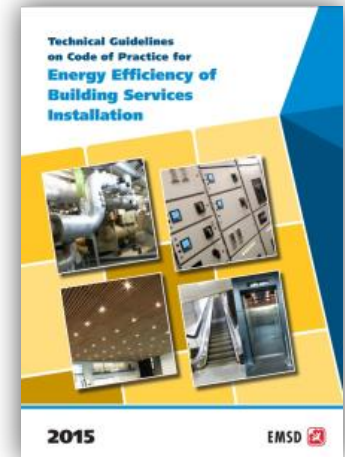
- ◆ By the Technical Taskforce and its 6 Working Groups consists of 31 representative organizations

TG-BEC2015 Contents

ENERGY SAVING
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- BEC 2015 issued on **11 Dec 2015**
- **6-month & 9-month** grace periods
- **TG-BEC2015** issued on 30/6/2016
- **Elaborates** BEEO & BEC 2015 contents (including tightened and new requirement)
- Technical enquiry consolidated
- **Good Practice** – to exceed min. requirements in BEC

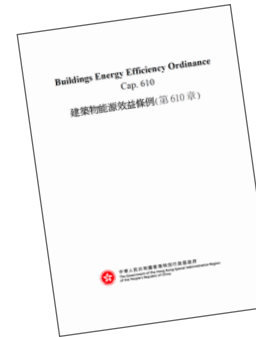


TG-BEC2015 Contents

ENERGY SAVING
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- 10 sections
 - 1 - Introduction
 - 2 - Interpretations & Abbreviations
 - 3 - Application
 - 4 - Technical Compliance with BEEO



Overview & explanation of BEEO compliance process

- 5 - Lighting
- 6 - Air-conditioning
- 7 - Electrical
- 8 - Lift & Escalator
- 9 - Performance-based Approach
- 10 - **Major Retrofitting Works (MRW)**



Explanations of BEC's technical requirements with examples



Summary

- LPD requirement covers new spaces
- LPD requirement of certain spaces tightened
- Lighting control point to all spaces
- **Automatic lighting control** (new requirement)
- **Daylight responsive control** (new requirement)



Definition

Lighting Installation

lighting installation (照明裝置), in relation to a building, means a fixed electrical lighting system in the building including—

- (a) general lighting that provides a substantially uniform level of illumination throughout an area; or
- (b) maintained type emergency lighting,

but does not include non-maintained type emergency lighting;

Applicability

Schedule:	2	BUILDING SERVICES INSTALLATIONS TO WHICH THIS ORDINANCE DOES NOT APPLY
-----------	---	-------------------------------------------------------------------------------

6. A lighting installation that is solely used for—
- (a) illumination of an exhibit or product on display including special lighting for illuminating merchandise or art work;
 - (b) decoration including special lighting for architectural feature or festival decoration effect;
 - (c) visual production including special lighting for performance, entertainment or television broadcasting; or
 - (d) any combination of the purposes specified in paragraphs (a), (b) and (c).



Definition

Lighting Power Density

'lighting power density (LPD) (unit : W/m²)' means the maximum circuit wattage consumed by fixed lighting installations per unit floor area of an illuminated space.

(In equation form, the definition of LPD is given by:

$$LPD = \frac{\text{Total circuit wattage of the fixed lighting installations}}{\text{Internal floor area of that space}}$$

,where the total circuit wattage should be taken at the full lighting output condition.)

Circuit wattage:

counting also the loss from driver, dimmer and step-down Tx.

Full lighting output:

Dim-and-fix **not** permissible.



Table 5.4

LPD Requirement Covers New Spaces

	BEC 2015
<u>Type of space</u>	LPD (W/m ²)
Computer Room / Data Centre	15
Court Room	15
Passenger Terminal Building	13 -18
Refuge Floor	11
School Hall	14



Table 5.4

LPD Requirement of Certain Spaces Tightened

Type of Space	BEC 2012 (Rev. 1) (W/m ²)	BEC 2015 (W/m ²)
Classroom / Training Rm	13	12
Loading & Unloading Area	10	8
Office	13	12
Plant Room	11	10



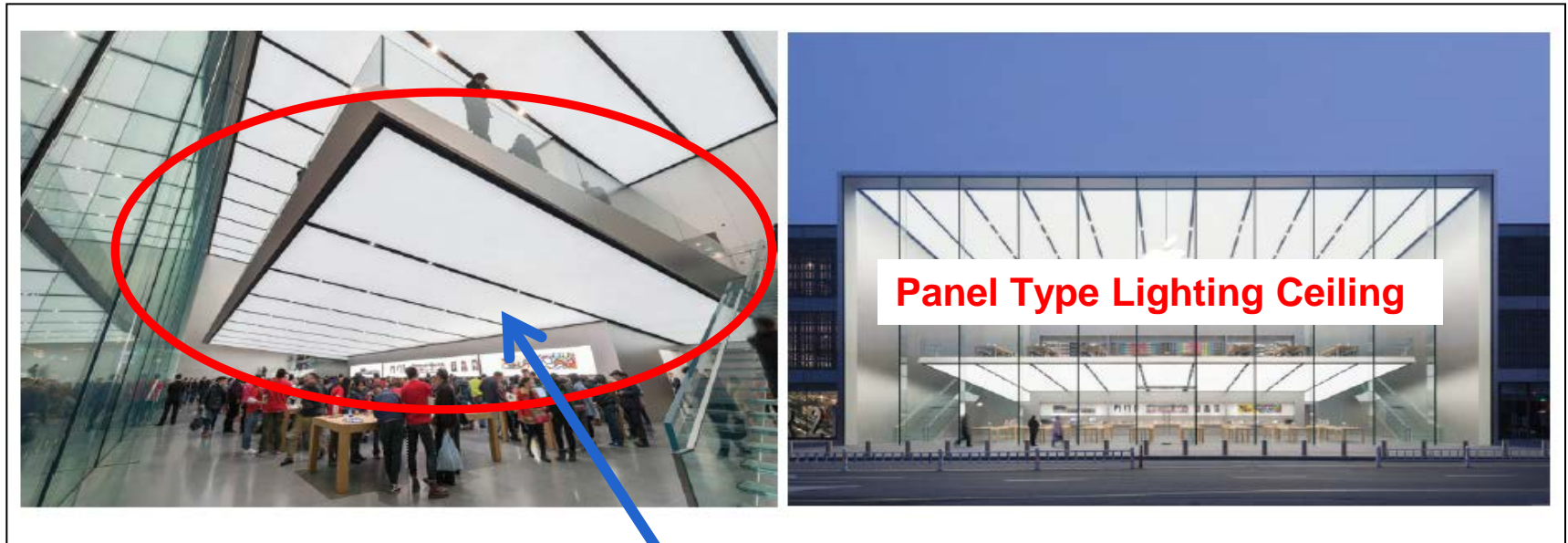
Clause 5.4.1

Exception on LPD requirement

<u>BEC 2012 (Rev. 1)</u>	<u>BEC 2015</u>
Does not exceed 100W	Does not exceed 70W



Special cases for discussion:



Providing substantially uniform level of illumination throughout an area
→ **General lighting;**
→ **Not solely used for decoration.**



For the sole use as decorative light?

Not from:

- type of luminaire
- statement or declaration from the designer;
- provided with separated circuit/switch

But from the nature and usage:

- the lighting layout (relation w/ other lighting fittings);
- photo (relation w/ the space)

Providing substantially uniform level of illumination throughout an area

- General lighting;
- Not solely used for decoration

Lighting Installation

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For the sole use as
decorative light?

(Mirror-wall Interface)

Drawings to show
lightings at vertical plane
surface





Clause 5.5

Lighting control point

(requirement extended to other spaces)

	<u>BEC 2012 (Rev. 1)</u>	<u>BEC 2015</u>
Office	According to Table 5.5 (15m ² ; 30m ² or 50m ² per point)	No change
Other Spaces	Not Specified	A control point covers \leq 500 m ²

Exception:

Space with lighting installation designed of 7-day & 24-hour operation.



Clause 5.6 and Table 5.4

New requirement on automatic lighting control

Spaces Requiring Automatic Lighting Control

Atrium	Lecture Theatre
Carpark (parking spaces only)	Lift Lobby
Classroom / Training Room	Loading and Unloading Area
Computer Room / Data Center	Office, enclosed and open plan
Conference / Seminar Room	Public Circulation Area
Corridor	Refuge Floor
Court Room	School Hall
Dormitory	Storeroom / Cleaner
Entrance Lobby	Toilet / Washroom / Shower Room
Gymnasium / Exercise Room	



Clause 5.6 Automatic Lighting Control

5.6.1	The Basic Provision
5.6.2	Daylight Responsive Control thro' Fenestrations on Exterior Wall
5.6.3	Daylight Responsive Control thro' Overhead Skylight



Clause 5.6.1 The Basic Provision

Automatic Lighting Control:

- To shut off or reduce the general lighting power by at least **50% automatically**
- Control devices/systems :
 - < **2000 m²**;
- Weekend & holiday operation pattern -
Except **7-day 24-hour** operation lighting; and
- Serve only one floor, unless the floors are -
 - of similar configuration;
 - With similar lighting layout; and
 - of lighting installations under same owner.



Clause 5.6.1

Automatic Lighting Control: (Cont'd)

Selection of automatic control system under the designer's discretion:

- Occupant sensor
- Automatic Time Scheduling (e.g. thro' BMS)
- Photo sensor/ Timer switch
- Others.....



Clause 5.6.1

Automatic Lighting Control: (Cont'd)

- ◆ Any overriding control by the space occupant, *if provided* :
 - $\leq 500 \text{ m}^2$; and
 - $\leq 2 \text{ hours}$ per activation

- ◆ When using occupant sensors:
 - Activate within **15 minutes** when all occupants left

- ◆ Exception from automatic lighting control requirement:
Space of fixed lighting $\leq 150W$



Clause 5.6.2 and 5.6.3 Daylight Responsive Control

Thro' Fenestrations on Exterior Wall

Overhead Skylight

- ◆ Area of Fenestration(s) $\geq 5m^2$
- ◆ A discrete fenestration or a series of fenestrations serves one **lighting zone**
- ◆ Separated control device for each **lighting zone**
- ◆ Shut off or reduce lighting power to **50% or less**

Lighting zone's area

- ≥ 2 x fenestration area (discrete);
- ≥ 2 x sum of fenestration areas

Lighting zone's area

- ≥ 5 x fenestration area (discrete);
- ≥ 5 x sum of fenestration areas



Clause 5.6.2 and 5.6.3 Daylight Responsive Control

Thro' Fenestrations on Exterior Wall

Overhead Skylight

Exception:

- **Non-see-through** fenestration;
- Fixed lightings $\leq 150W$ (wholly or partially within **a lighting zone**);
- Overlapped area of any lighting zone assigned under other daylight responsive control





Table 7.5.1
Update requirement on motor efficiency

	<u>BEC 2012</u>	<u>BEC 2015</u>	% of change
7.5 to 18.5 kW	88.7 – 91.2	90.4 – 92.6	1.9 – 1.5
22 to 45 kW	91.6 – 93.1	93.0 – 94.2	1.5 – 1.2
55 to 75 kW	93.5 – 94.0	94.6 – 95.0	1.2 – 1.1
90 kW or above	94.2 – 95.1	95.2 – 96.0	1.1 – 0.9
	(IE2 Motors)	(IE3 Motors) (IE2 < 7.5 kW)	



Section 7.7

Update requirement on Metering and Monitoring Facilities

Metering for energy, current, power factor, harmonics etc. measure

BEC 2012

Clause 7.7.2

Specified feeder or sub-main circuit **exceeding 200A** to be provided with metering device

BEC 2015

Clause 7.7.3 (New Requirement)

Additional requirement to provide separate metering devices for **each of the CBSI** (i.e. chiller plants, all lifts etc.)

Air-conditioning Installation

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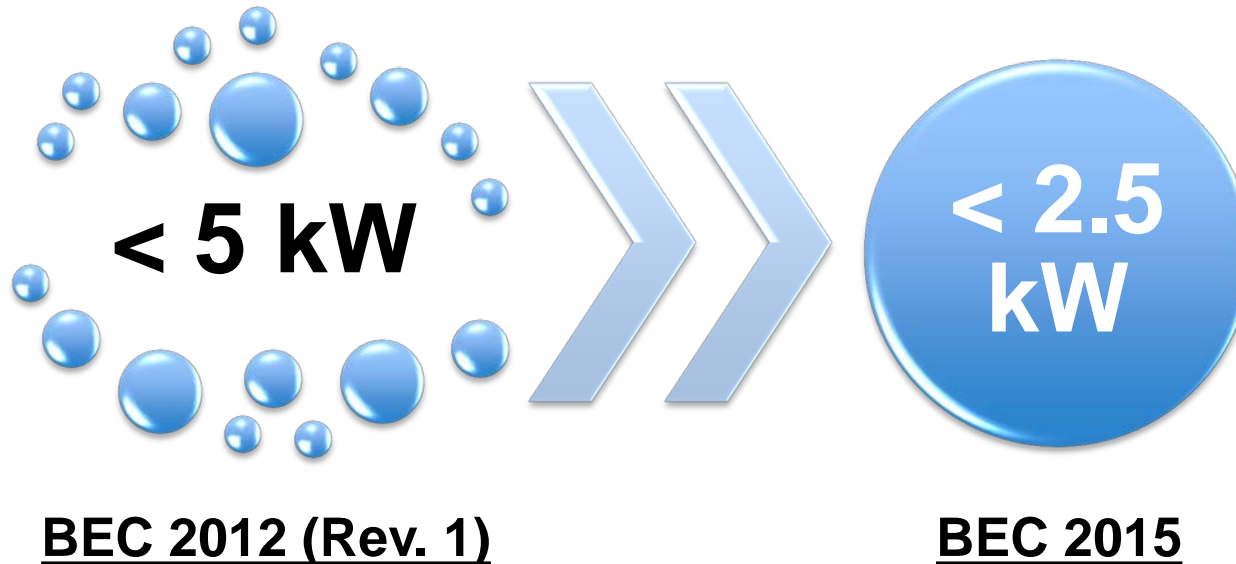


<u>Tightening Requirement</u>	<u>New Requirement</u>	<u>Unchanged</u>
<ul style="list-style-type: none"> Chiller / VRF System / Unitary Air-conditioner COP 	<ul style="list-style-type: none"> ➤ CAV with low speed mode 	<ul style="list-style-type: none"> ✓ Thermal insulation
<ul style="list-style-type: none"> VAV fan motor power at min. speed 	<ul style="list-style-type: none"> ➤ Mechanical ventilation system fan motor power 	<ul style="list-style-type: none"> ✓ Temperature / Humidity / Zone / Off-hour Control
<ul style="list-style-type: none"> Exception of system fan power 	<ul style="list-style-type: none"> ➤ Cooling tower fan performance 	<ul style="list-style-type: none"> ✓ Ductwork leakage limit
<ul style="list-style-type: none"> Pipe Sizing 	<ul style="list-style-type: none"> ➤ Demand control ventilation 	<ul style="list-style-type: none"> ✓ Energy metering
<ul style="list-style-type: none"> Chilled water pump power consumption at reduced speed 	<ul style="list-style-type: none"> ➤ Air dampers at FA intake and EA discharge outlets 	<ul style="list-style-type: none"> ✓ Separate air distribution system for process zone
	<ul style="list-style-type: none"> ➤ Direct digital control 	<ul style="list-style-type: none"> ✓ System load calculation
	<ul style="list-style-type: none"> ➤ Isolation of zone 	



Clause 6.7

Tightening requirement on Air Distribution System Fan Power (Conditioned Space)





Clause 6.7

Tightening requirement on Air Distribution System Fan Power (Un-conditioned Space)

Clause 6.7.6 (NEW)

Mechanical ventilation system fan motor power requirement

BEC 2012 (Rev. 1)

- Not specified

BEC 2015

- for system fan motor power $\geq 2.5\text{kW}$
- $\leq 1.1 \text{ W/L} \cdot \text{s}$
- Deduct pressure drop across:
 - Grease Filter;
 - Water spray hood;
 - Activated carbon filter; or
 - Venturi scrubber etc.



Clause 6.7.4

New & Revised requirements on CAV & VAV Air Distribution Systems

BEC 2012

Clause 6.7.4	SAF/RAF for VAV flow (≥ 5 kW): <ul style="list-style-type: none">@ 50% flow, consume \leq 55% full speed power
--------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------

BEC 2015

Clause 6.7.4	6.7.4.1	CAV Low-speed operation: <ul style="list-style-type: none">@ \leq 66% full speed; andconsumes \leq 40% full speed power
	6.7.4.2	VAV minimum fan speed: <ul style="list-style-type: none">@ \leq 50% full speed; andconsumes \leq 30% full speed power
	6.7.4.3	Conditioned space fresh air requirement take preference.

Exception: fan motor power < 1.0 kW (e.g. FCU)



Clause 6.8

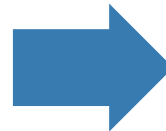
Update requirement on Pumping System Variable Flow

Restriction on pump power at part load of pump for variable flow system

Clause
6.8.2

BEC 2012 (Rev. 1)

- for variable speed pump \geq **5kW**
- pump motor consumes \leq **55%** full power @ **50%** design water volume flow



BEC 2015

- Chilled water pump motor output power $>$ **3.7 kW**,
→ variable speed drive
- pump motor consumes \leq **30%** full power @ **50%** design water volume flow
- Exception:
 - with supply chilled water temp. reset;
 - \leq **350 kW** cooling capacity



Clause 6.10.7

New requirement on Demand Control Ventilation

Carpark

provide staging or modulation of fan for ventilation system

Clause 6.10.7.1

down to $\leq 50\%$ design capacity based on the detected contaminant level

AC system

provision of demand control

Clause 6.10.7.3

fresh air rate ≥ 1400 L/s

Clause 6.10.7.4

FA dampers shall be modulated based on the CO₂ level of the conditioned space



Clause 6.12

Update Minimum COP for different equipment type

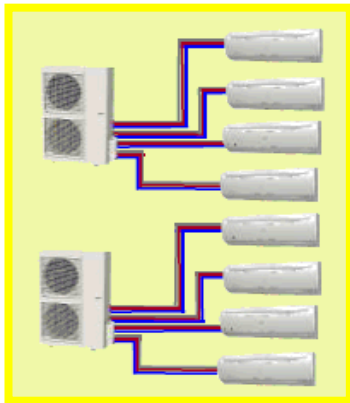
<u>Equipment Type</u>		<u>BEC 2012 (Rev. 1)</u>	<u>BEC 2015</u>
Unitary Air-conditioner (U-A/C) – (cooling mode)			
		<u>Table 6.12a</u>	<u>Table 6.12a – Part 1</u>
Air-cooled	≤ 7.5 kW	2.1 (non-split type)	2.3
	≤ 7.5 kW	2.4 (split type)	2.6
Variable Refrigerant Flow (VRF) System (cooling mode)			
		<u>Table 6.12a</u>	<u>Table 6.12a – Part 2</u>
Air-cooled		2.9 – 3.0 (*)	3.3
Water-cooled		3.0 (*)	4.3

(*) Under U-A/C with variable refrigerant flow (BEC 2012)

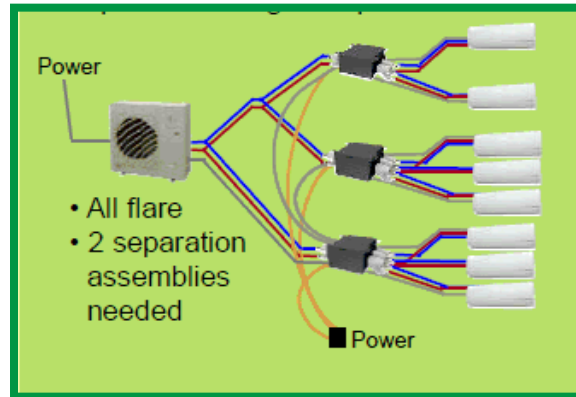


Clause 6.12

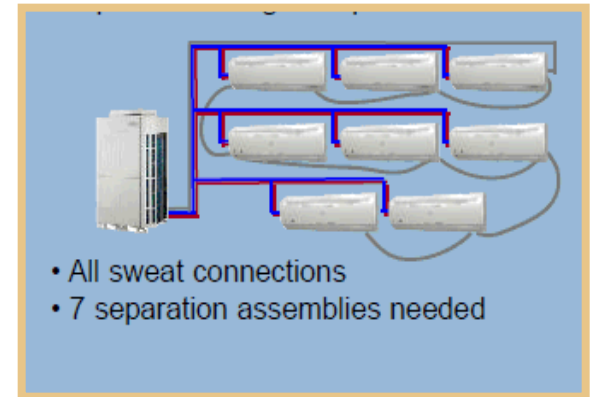
Update Min. COP for different equipment type U-A/C Vs VRF system



Typical multi-split

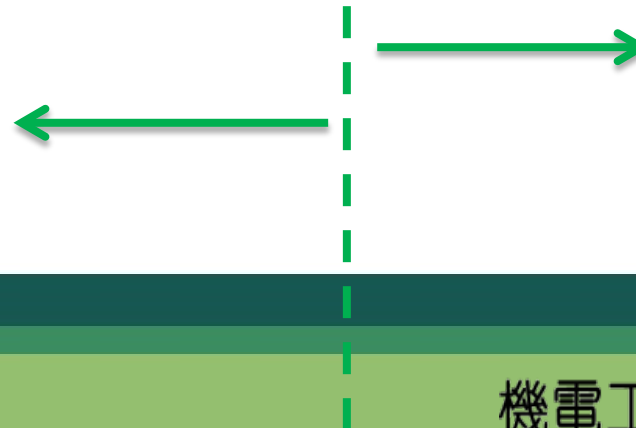


Hybrid multi-split



Typical VRF System

Unitary
Air-Conditioner





Clause 6.12

Update Minimum COP for different equipment type

<i>Equipment Type</i>		<u>BEC 2012 (Rev. 1)</u>	<u>BEC 2015</u>		
Chiller - Water Cooled		<u>Table 6.12b</u>	<u>Table 6.12b</u>		
Reciprocating / Scroll	500 to 1000kW	4.6	4.7 / 5.0		
	Above 1000 kW	5.2	5.3 / 5.5		
Screw or VSD screw	500 to 1000kW	4.7	5.0	4.9 (1)	6.3 (2)
	Above 1000 kW	5.5	5.5	5.2 (1)	6.7 (2)
Centrifugal or VSD Centrifugal	1000 to 3000 kW	5.6 - 5.7	5.7	5.5 (1)	7.1 (2)
	Above 3000 kW	5.7	5.8	5.6 (1)	7.2 (2)

(1) VSD at full load
(2) VSD at 75% load



Clause 6.12

Update Minimum COP for different equipment type

Part Load COP of VSD Chiller	Air Cooled	Water-Cooled
Loading Condition	75% FL	75% FL
Standard Rating Condition	27 deg.C (Ambient air temperature)	24 deg.C (condensing water in)
Applicable also to: Oil free chiller / Magnetic Bearing Chiller		



Other Requirements



Clause No.	Requirement
6.12.4	Cooling Tower (open circuit) Fan: For each kW (motor nameplate power) to achieve – ≥ 1.7 L/s condensing water flow (centrifugal); ≥ 3.4 L/s condensing water flow (propeller or axial)
6.13.5	Metering devices for: AHU ≥ 5.0 kW rated motor and inside plant room



Max. allowable traction lift electrical power ↓ 3 ~ 5 %

Table 8.4.1 of BEC 2012

Code of Practice for Energy Efficiency of Building Services Inst

→ Table 8.4.1a and Table 8.4.1b of BEC 2015

Table 8.4.1a : Maximum Electrical Power (kW) of Traction Drive Lift at Rated Load for Various Ranges of Rated Speed (applicable to new building)

Rated Load L (kg)	Rated Speed V_c (m/s)				
	$V_c < 1$	$1 \leq V_c < 1.5$	$1.5 \leq V_c < 2$	$2 \leq V_c < 2.5$	$2.5 \leq V_c < 3$
$L < 750$	6.5	9.2	11.1	14.7	16.6
$750 \leq L < 1000$	9.2	11.1	15.7	19.4	22.1
$1000 \leq L < 1350$	11.1	15.7	20.3	24.9	29.5
$1350 \leq L < 1600$	13.0	18.1	23.0	28.5	35.0



Table 8.4.1 of BEC 2012
→ Table 8.4.1a and Table 8.4.1b of BEC 2015

Table 8.4.1b : Maximum Electrical Power (kW) of Traction Drive Lift at Rated Load for Various Ranges of Rated Speed
(applicable to major retrofitting works in an existing building)

Rated Load L (kg)	Rated Speed V_c (m/s)				
	$V_c < 1$	$1 \leq V_c < 1.5$	$1.5 \leq V_c < 2$	$2 \leq V_c < 2.5$	
$L < 750$	6.7	9.5	11.4	15.2	17.1
$750 \leq L < 1000$	9.5	11.4	16.2	20	22.8
$1000 \leq L < 1350$	11.4	16.2	20.9	25.7	30.4
$1350 \leq L < 1600$	14.3	19	25.7	30.4	36.1
$1600 \leq L < 2000$	16.2	23.8	30.4	37.1	43.7
$2000 \leq L < 3000$	23.8	35.2	44.7	56.1	66.5

Requirements the same as BEC 2012

Lift and Escalator Installation

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Max. allowable hydraulic lift electrical power ↓ **5 %**



Max. allowable escalator electrical power ↓ **2 %**



Max. allowable passenger conveyer electrical power ↓ **2 %**



Max. lift decoration load ↓ **10 %**

Lift Rated Load L (kg)	Allowable Decoration Load D (kg)
$L < 1800$	$D = 0.5 \times L$, or 540 whichever is smaller
$L \geq 1800$	$D = 0.3422 \times L - 0.00002344 \times L^2$, or 1125 whichever is smaller

Example

- Capacity: 1200kg.

Maximum Decoration load : From 600kg to 540kg



New Requirement – Lift Installation

- Lift car ventilation fan power consumption: $\leq 0.7 \text{ W per L/s}$
- Lift car automatic lighting control:
Automatic cut lighting power to 50% or less
(15-min. or longer idling)
- Regenerative braking system for lift of:
Speed $\geq 3\text{m/s}$; &
Capacity $\geq 1000 \text{ kg}$



Automatic Speed Reduction





BEC 2012

Only three trade-off items under two installations

Lighting installations

Lighting power density (LPD)

Air-conditioning installations

Air-conditioning equipment efficiency

System Fan Power



BEC 2015

**Trade-off items cover all the four BS installations
(15% Threshold)**

Lighting installation

3 Items

LPD; Lighting Control Point and Automatic Lighting Control

Air-conditioning installation

9 Items

e.g. Insulation Thickness & Pipe Friction Loss etc.

Electrical installation

3 Items

Motor Efficiency; Cu Loss & Power Quality

Lift and escalator installation

3 Items

Electrical power; Utilization of Power & Total Harmonic Distortion

Performance-based Approach

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15% Threshold:

Energy efficiency performance of trade-off item(s) should not 15% below the prescriptive standard.

Different ownership of trade-off item:

Energy source from other parties (e.g. service provider of DCS, central plant in a campus-like developments)

No limit on the contribution of energy reduction by better OTTV
(5% limitation in BEC 2012)

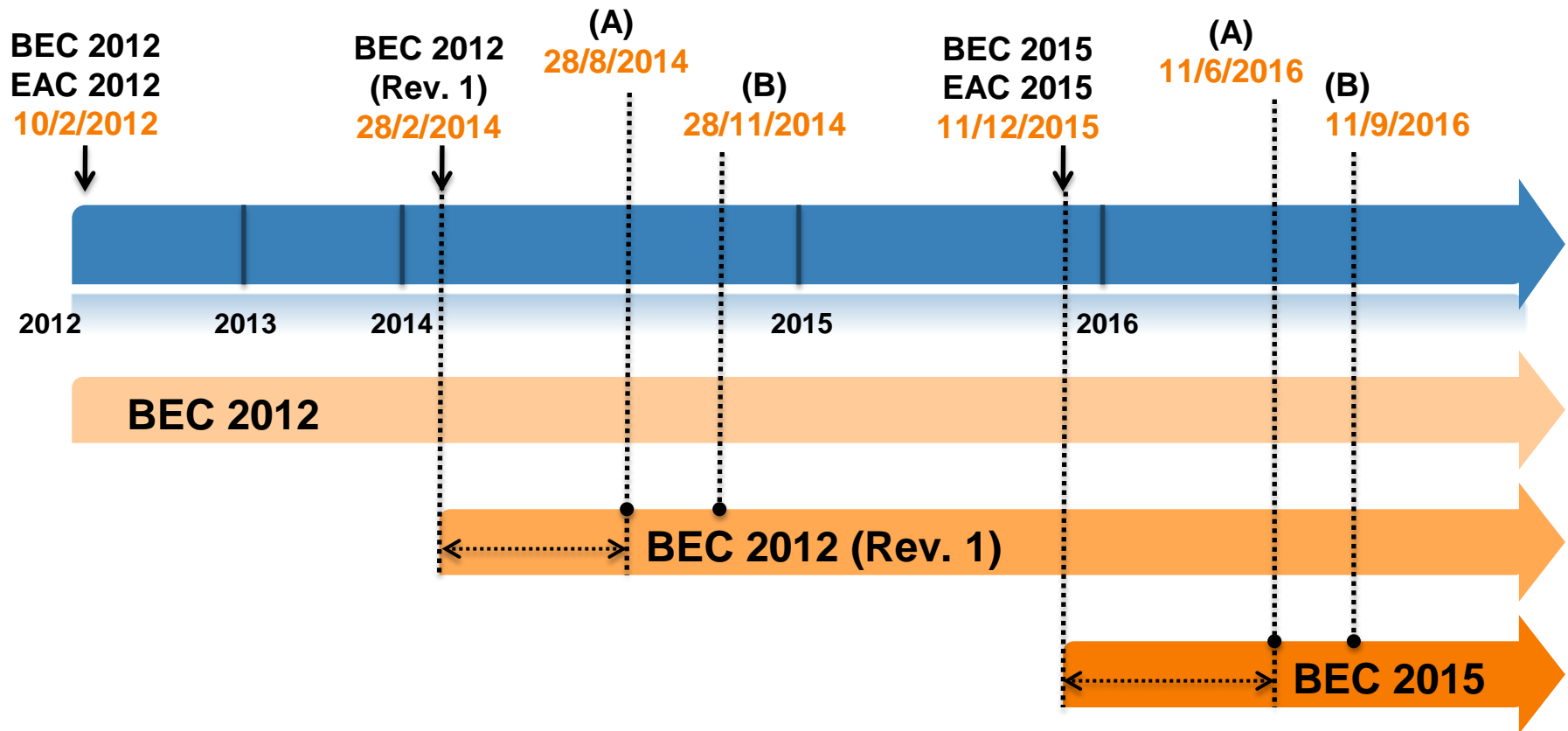
No limit on the contribution from on-site recovery /renewable energy
(5% limitation in ASHRAE 90.1 – 2013)



11 December 2015: BEC 2015 Gazette Date

Submission	Date
Stage One Declaration	<i>11 June 2016</i> (Signed by the developer on or after 11.06.2016)
Form of Compliance	<i>11 September 2016</i> (Signed by the REA on or after 11.09.2016)

Editions of the BEC



Developer signs the Stage One Declaration on or thereafter
REA signs the FOC on or thereafter

Bare shell
Building units
IFA of each unit
> 500m²

Stage One
BEC 2012

CBSI by developer and
the fully fit-out lobby,
corridor & entrance,
with the rest of the
floors w/o fitting out.

COCR
BEC 2012

FOC (MRW)
BEC 2012

Other BSIs
BEC 2012

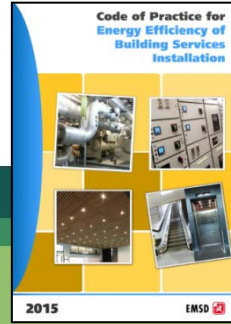
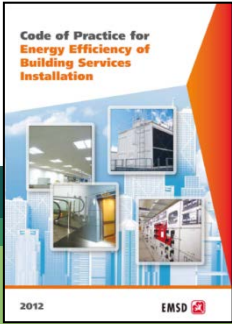
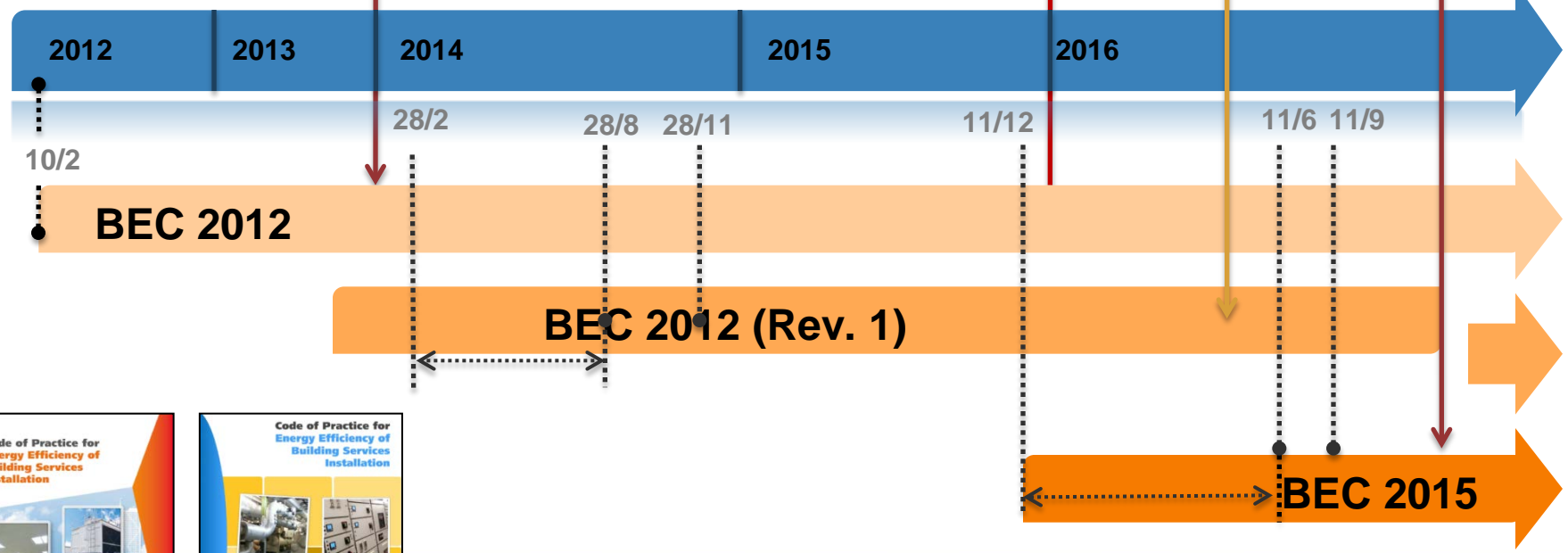
Other BSIs
BEC 2012

FOC (MRW)
BEC 2015

Other BSIs
BEC 2012

Ten. D
Ten. C

Ten. B
Ten. A



Ten. X: Tenant X fully fit-out an unit and move in.

TG-EAC2015 Contents



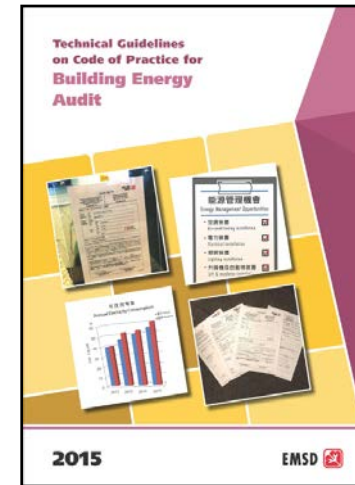
➤ 9 sections

- 1 - Introduction
- 2 - Interpretations & Abbreviations
- 3 - Application
- 4 - Technical Compliance with BEEO

Overview & explanation of BEEO compliance process

- 5 – Objectives of EA
- 6 – Overview of EA
- 7 – EA Requirements
- 8 – EA Report
- 9 – EA Form

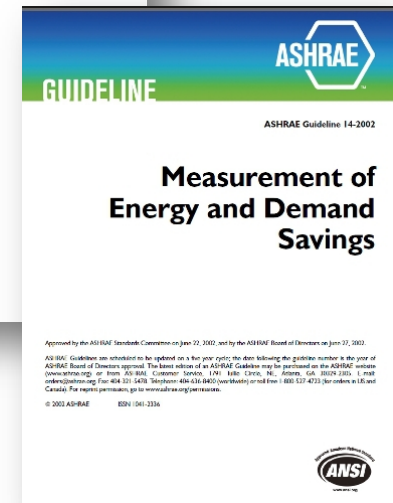
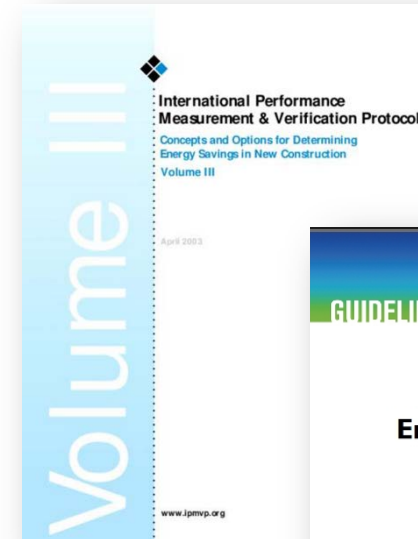
Explanations of EAC's technical requirements with examples





On-Site Measurement

- **Might make reference to :**
 - ❖ International performance measurement & verification protocol volume III
 - ❖ ASHRAE 14 Measurement of Energy and Demand Saving



Anticipated Energy Saving

ENERGY SAVING
FOR ALL



- ✓ Further improvement in energy efficiency: **10%**
- ✓ The saving of **5 billion kWh** for newly constructed buildings up to 2025

- The total reduction of CO₂ emission: **3.5 million tonnes**

- Equivalent to total annual electricity consumption by about **1 million households**



- The Technical Taskforce will continue to review the BEC on a regular basis.
- Update the pertinent requirements where necessary through addendum before the next round of comprehensive review.
- Comprehensive review to be conducted in 2018, 2021 and 2024.



<http://www.beeo.emsd.gov.hk/>

機電工程署
EMSD

《建築物能源效益條例》
The Buildings Energy Efficiency Ordinance

ENG 繁體 简体

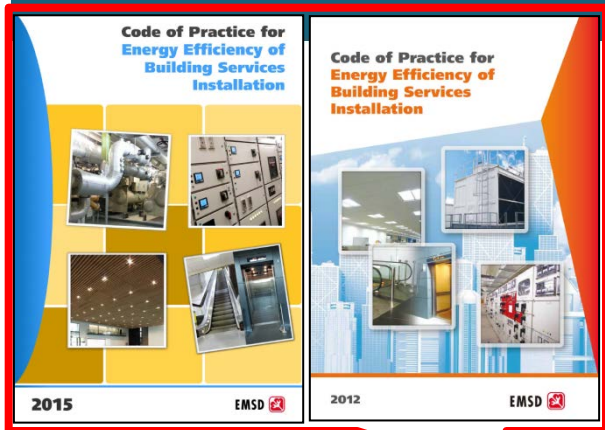
空調裝置
Air-conditioning installation

電力裝置
Electrical installation

照明裝置
Lighting installation

升降機及自動梯裝置
Lift & escalator installation

Energy Audit Form
能源審核表格



	ABOUT BEEO	CODES AND FORMS	CIRCULAR	REGISTER & LIST	REGISTERED ENERGY ASSESSOR (REA)	PUBLICITY	FAQS	USEFUL LINKS
<p>Publicity</p> <p>Publication</p> <p>TV Announcements</p> <p>Events</p>	<p>Events</p> <p>Briefing Session for Registered Energy Assessors</p> <p>EMSD share update on the implementation of Form of Compliance, and briefing of following links to download the Power</p> <p>Please click</p> <ul style="list-style-type: none"> • Up • C • B 	<p>11 and 18 December 2015</p> <p>Buildings Energy Efficiency Ordinance (BEEO), common irregularities in the submissions of 2015 with Registered En</p>						

- Specified Forms
- Technical guidelines

- Register of REA and COCR
- List of Stage One Declaration, FOC, EA Form and IN

- Frequently Asked Questions



Thank You

Energy Efficiency Office
能源效益事務處