

Briefing of BEEO submissions



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E/EEB7/2

Energy Efficiency Office













- Major requirement of BEEO
- e-submissions for forms of BEEO
- Common irregularities in completing BEEO submissions

Major requirement of BEEO

Major Requirement

	Responsible party	Applicability	Code Compliance	Legal Obligation
(1) Newly Constructed Buildings	Developer	4 key types of BSIs	Building Energy Code (BEC)	Apply for COCR Stage 1 & Stage 2 (EE1 & EE2)
(2) Existing Buildings	Responsible person; Owner of installation(s)	Major Retrofitting Works (MRW)	BEC (Table 10.1)	Obtain FOC (EE4) from REA
(3) Commercial Buildings / Commercial Portion of Composite Buildings	Building owner	Energy Audit	Energy Audit Code (EAC)	Obtain EA Form (EE5) and EA Report from REA

(1) Newly Constructed Buildings

Stage One Declaration

- Developer engage Registered Energy
 Assessor (REA) to submit declaration
 within 2 months after obtaining
 Consent to commencement of building
 works (建築工程展開同意書)
- Declare the design of building services installations to comply with the BEC



Stage Two Declaration

- Developer engage REA to submits declaration within 4 months after the Occupation Permit (佔用許可證) is issued
- Confirm designed, installed and completed
 BSIs complying with BEC + REA inspect BSIs
 within 30 days of declaration
- Full fit-out works under developer's scope





(2) Major Retrofitting Works in Existing Buildings

Works Area

Addition/replacement of a BS installation:

Works area ≥ 500 m² in a unit or a common area





LG ≥ 3kW

AC ≥ 60kW LE motor/mech drive

Central BS installation (CBSI)

Addition/replacement of main component:







electrical circuit ≥ 400A

A/C installation ≥ 350kW

motor drive + mechanical drive



ППП

(3) Energy Audit in Existing Buildings

Building Type

- Commercial Buildings
- 2. Commercial Portion of Composite Buildings

Energy Audit Interval

- No longer than 10 year
- Within 10 year of buildings first issued with COCR for the above building type

EMSD Submission

- REA issued the Energy Audit Form and Energy Audit Report to building owner
- Send copy to EMSD within 30 days



Building Owner must exhibit a copy of Energy Audit Form in a conspicuous position at main entrance of the building after energy audit





e-submission for forms of BEEO



Trivia Quiz



What difference it would cause between Clause 3(a) and 3(b) in REA renewal application

6. Renewal of registration

- (1) A registered energy assessor may make an application to the Director for the renewal of the registration of the assessor.
- (2) The application must—
 - (a) be in the specified form; and
 - (b) be accompanied by the prescribed fee and the documents specified in the form.
- (3) The application must be submitted—
 - (a) at any time before the expiry of the current registration; or
 - (b) within the period of 28 days from the expiry of the current registration.
- (4) The Director may require the applicant to furnish any further information, or produce any additional document, that the Director considers reasonably necessary for the purposes of determining the application.





Trivia Quiz



What difference it would cause between Clause 3(a) and 3(b) in the renewal application

- When Clause 3(a) applied for the expiry of your current application is over 4 months, your renewal application approval date would be granted at a date usually earlier but different from the expiry of your REA qualification.
- When Clause 3(a) applied for the expiry of your current application is within 4 months, your renewal application approval date would be granted on the date of expiry of your REA qualification.
- When Clause 3(b) applied, your renewal application approval date would be granted at a date later than the expiry of your REA qualification.

It means



- Renewal applications later than 28 days from expiry will not be eligible.
- When you make your renewal application near the expiry date, you may not have obtained the approval before the expiry of your REA qualification
- There may be a gap between the effective date of your REA renewal and your last REA expiry date, you may have bleached the law when you just do your daily work during the gap
- You need our e-submission platform
- 24 hour online application
- No postal delay
- Handle on next working day
- Payment to be transferred only when all information is ready



It means



Submissions by email to: mbec@emsd.gov.hk is NOT ACCEPTED



E-submission Platform



Download 「iAMSmart」、Registered 「iAMSmart +」



• Register in mobile app \(\text{iAMSmart} \) (Age 18 or above)



Available on the

https://apps.apple.com/app/id1515065344



• Kiosk for Self Registration [iAMSmart+] (Age 18 or above)



Google Play

https://play.google.com/store/apps/details?id=hk.g ov.ogcio.iamsmart





















EMSD (Regulatory Services) Web-based Registration Services

https://wbrs.emsd.gov.hk/psps/en/System/login.jsp -

機電工程署 🔯	EMSD (Regulatory Services) Web-Based Registration Services	■繁體版
	To submit applications through this portal, applicants are required to register for an account. Simply complete the Online Registration Form, sign with your Hongkong Post e-Cert and send to us. Alternatively, you can download and complete the registration form, then send back to the designated address of EMSD as stated in the form. If you have already got your account information, please enter your User ID and password, then click the Login button to proceed. User ID: Password:	
	Log in with iAM Smart More Info >	Close

Technical Support: wbrs_support@emsd.gov.hk

Enquiry: 3741 8892, 3741 8893 Office Hours: Monday - Friday 9:00am - 5:15pm

(Closed on Saturdays, Sundays and Public Holidays) Version 5.32 Last revision date: 14 Feb 2022



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EMSD (Regulatory Services) Web-Based Registration Services (WBRS)

Notices:

Due to system maintenance, the Web-Based Registration Services (Login with iAM Smart) is to be temporarily suspended from 10:00 p.m. on 2 February 2024 to 06:00 a.m. on 3 February 2024.

Welcome to EMSD WBRS

To submit applications through this portal, applicants are required to authenticate with "iAM Smart" .



More Info>

To submit the application using Hongkong Post e-Cert, please login the system with username and password.

Log in with username and password

Technical Support: wbrs_support@emsd.gov.hk

Enquiry: 3741 8892, 3741 8893 Office Hours: Monday - Friday

9:00am - 5:15pm

(Closed on Saturdays, Sundays and Public Holidays)

Version 1.5.22

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< Back to online service

Log in with iAM Smart:

- 1. Please open iAM Smart App in your mobile
- 2. Tap the scan button in iAM Smart App

Scan QR Code

3. Scan the QR Code









透過智方便登入

「機電工程署(規管服務)網上註冊 服務」

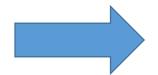
機電工程署

透過智方便身份認證功能登入「機電工 程署(規管服務)網上註冊服務」



已登入「機電工程署(規管服務) 網上註冊服務」

請返回「機電工程署(規管服務)網上註冊服務」 繼續使用服務



繼續

取消

0

確定

0

機電工程署 EMSD



ROLE SELECTION

Please select the role to begin, some functions are restricted to certain authenticated personnel only.

Click the button below to refresh roles:

Refresh Roles

Or

Representative REC for GF/WR2 Application

O Representative REC for GF/WR2 Application

Represent of Registered Electrical Worker

O Represent of Registered Electrical Worker

Energy Efficiency Labelling Scheme

- O Mandatory Energy Efficiency Labelling Scheme (Authorised Person)
- O Voluntary Energy Efficiency Labelling Scheme (Authorised Person)

Buildings Energy Efficiency Ordinance

- O Registered Energy Assessor
- Other Applicant





ROLE SELECTION

Please select the role to begin, some functions are restricted to certain authenticated personnel only.

Click the button below to refresh roles:

Refresh Roles

<u>Or</u>

Representative REC for GF/WR2 Application

O Representative REC for GF/WR2 Application

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Online Electronic Submission

Outstanding Application(s)

Draft Application(s)

Outstanding Payment(s)

Application History

Application Payment History

Profile

Role Selection

Logout

GETTING STARTED

Important Notices

Prevention of Bribery

Online Electronic Submission

You can start a new application submission from the list of applications that are eligible to be submitted by you.

Draft Application(s)

If you had saved your incomplete application as draft previously, you can retrieve the draft to resume the submission.

Outstanding payment(s)

When you have applications whose application fee should be paid before the processing of the application started, you can select those applications and pay the application fee by the provided payment method.

Application Payment History

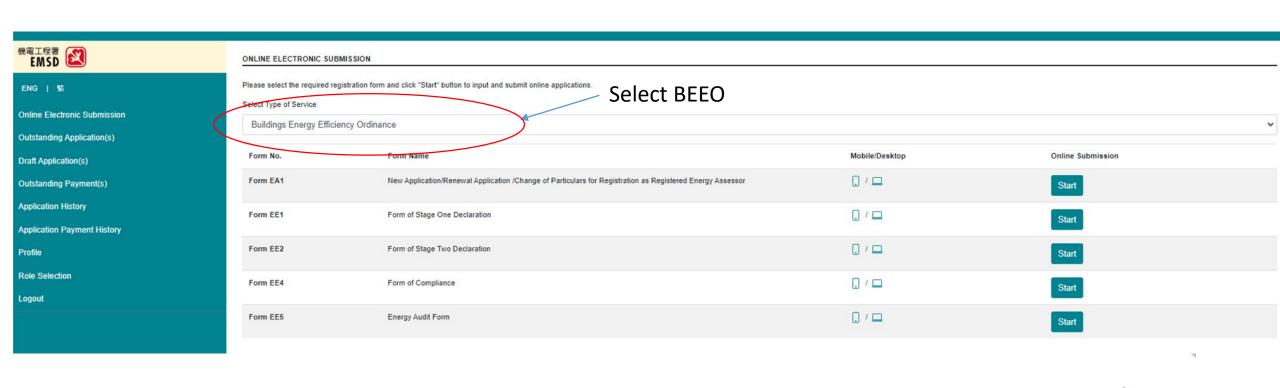
You can review the payment which you had been handled in WBRS.

Role Selection

When necessary, you can switch to an appropriate role for handling the application accordingly.











機電工程署 EMSD	ONLINE ELECTRO
ENG 紫	Please select the re
Online Electronic Submission	Select Type of Serv
Outstanding Application(s)	Buildings Ener
Draft Application(s)	Form No.
Outstanding Payment(s)	Form EA1
Application History	Form EE1
Application Payment History	TOIM EET
Profile	Form EE2
Role Selection	Form EE4
Logoui	
	Form EE5

ONLINE ELECTRONIC SUBMISSION Please select the required registration form and click "Start" button to input and submit online applications.				
Select Type of Service	General Court Cour			
Buildings Energy Effici	iency Ordinance			~
Form No.	Form Name	Mobile/Desktop	Online Submission	
Form EA1	New Application/Renewal Application /Change of Particulars for Registration as Registered Energy Assessor	[] / []	Start	
Form EE1	Form of Stage One Declaration	0/0	Start	
Form EE2	Form of Stage Two Declaration	0/0	Start	
Form EE4	Form of Compliance	. / 🗆	Start	
Form EE5	Energy Audit Form	0,10	Start	





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Please select the role to begin, some functions are restricted to certain authenticated personnel only.

Click the button below to refresh roles:

Refresh Roles

<u>Or</u>

Representative REC for GF/WR2 Application

O Representative REC for GF/WR2 Application

Represent of Registered Electrical Worker

O Represent of Registered Electrical Worker

Energy Efficiency Labelling Scheme

- O Mandatory Energy Efficiency Labelling Scheme (Authorised Person)
- O Voluntary Energy Efficiency Labelling Scheme (Authorised Person)

Buildings Energy Efficiency Ordinance

O Registered Energy Assessor

Other Applicant

Continue







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Online Electronic Submission

Outstanding Application(s)

Draft Application(s)

Outstanding Payment(s)

Application History

Application Payment History

Profile

Role Selection

Logout

ONLINE ELECTRONIC SUBMISSION

Please select the required registration form and click "Start" button to input and submit online applications.

Select Type of Service

Buildings Energy Efficiency Ordinance

Form No.	Form Name	Mobile/Desktop	Online Submission
Form EA1	New Application/Renewal Application /Change of Particulars for Registration as Registered Energy Assessor	0/=	Start
Form EA2	Application for Duplicate of Certificate of Registration - Registered Energy Assessor	() / (I)	Start
Form EE1	Form of Stage One Declaration	0/0	Start
Form EE2	Form of Stage Two Declaration	0/0	Start
Form EE6	Notice of Appeal		Start
Form EE7	Application Form for Duplicate of Certificate of Compliance Registration, Form of Compliance and/or Energy Audit Form	0 / 🗆	Start
Form EE-EN	MBEC Enquiry Form for Project Specific Issue	0/0	Start
Form EE-ET	Application Form for an Extension to the Prescribed Period of Submission of Stage Two Declaration or Obtaining Form of Compliance	[] / [_]	Start
Form EE-EX	Application Form for Exemption from Specified Standards and Requirements for Certificate of Compliance Registration, Form of Compliance or Energy Audit	[] / []	Start





Common irregularities in completing BEEO submissions – Form EA1





Form EA1 表格 EA1

機電工程署 EMSD



香港特別行政區政府 建築物能源效益條例 (第610章)

建築物能源效益(註冊能源效益評核人)規例

(第610B章,第5,6,11及12條)

新申請為註冊能源效益評核人 / 註冊能源效益評核人續期 / 更改個人資料

Official use only	
此欄不用填寫	
eceipt Date 收件日期	

Receipt Number 收據編號

Note 注意:

Please read the "Notes to this Form" attached and complete all the items in block letters.

請參閱於附頁的「本表格備註」,並以正楷填寫各項資料。

To the Director of Electrical & Mechanical Services:

致 機電工程署署長

I hereby apply for the following (Please tick in the appropriate box(s)) :-

The Government of the Hong Kong

Special Administrative Region

Buildings Energy Efficiency Ordinance (Chapter 610)

Buildings Energy Efficiency (Registered Energy Assessors) Regulation

(Chapter 610B, Section 5, 6, 11 & 12)

New Application/ Renewal Application / Change of Particulars for

Registration as Registered Energy Assessor

本人現欲申請下列項目(請在適用空格加上√號):

For	new	appli	cant	onl
	適田:	於新日	語	+

□ New Application for Registration as a Registered Energy Assessor 新申請為註冊能源效益評核人

For current Registered Energy Assessor 只適用於現有註冊能源效益評核人		
Registration No: Expiry Date:		
註冊號碼:		
☐ Renewal application	續期申請	
Change of particulars (Name / Correspondence Address / Professional Qualification)*	更改個人資料 (姓名/通訊地址/專業資格)*	

- Correspondence address was not updated.
- 2. Professional qualifications for REA application changed from last application and address proof is required.
- 3. Forget about "Delete as appropriate".







Section A 甲部: Personal Details 個人資料 Name: 姓名: (Surname first) Mr. / Miss / Ms.* (姓氏先行) Chinese Year of Birth: 出生年份: English name not tally H.K.I.D NO.: Travel Document Number: 香港身份證號碼: with the first application. 旅遊證件號碼: Block 座 Flat 室 Floor 樓 Correspondence Address: 通訊地址: Building 大廈 Street 街道 □ H.K. 香港 District 地區 □ Kowloon 九龍 □ N.T. 新界 Contact Phone: 聯絡電話:

5. Forget about "Delete as appropriate" .





Section B 乙部: Professional Qualifications 專業資格

	d "Notes to Complete this Form" item No.2,3) (請參閱於附頁的「填寫本表格的	9備註」第2,3項)
		Discipline 界別
Date of Qualified /		Please indicate below in which Discipline you
Membership No.	Professional Qualifications (Please tick in the appropriate box(s))	consider you are qualified for professional
註冊日期/註冊號碼	專業資格 (請在適用空格加上/號)	practice (Building Services (BSS), Electrical
		(ELL), Environmental (ENV) and Mechanical
		(MCL))
		請在下註明你己具備那一個界別的專業實務 (屋字裝備、電機、環境或機械)
	\square Registered professional engineer within the meaning of section 2(1) of the	
	Engineers Registration Ordinance (Cap. 409)	□BSS □ELL □ENV □ MCL
	《工程師註冊條例》(第409章)第2(1)條所指的註冊專業工程師	
	☐ Corporate member of the Hong Kong Institution of Engineers (HKIE)	□BSS □ ELL □ENV □MCL
	香港工程師學會法定會員	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Equivalent qualification recognized by HKIE as being of a standard not	
	lower than that of a corporate member of the Institution in any of these	
	disciplines (please read the attached "Notes to Applicants" Item 2.1)	
	具有某資格,而該資格獲香港工程師學會承認為不低於該學會屬任 該	
	等界別的法定會員的資格標準 (請參閱於附頁的「申請人備註」第2.1項)	
	(Please state your professional membership of the relevant professional body based upon the reciprocal recognition agreements between the HKIE	□ BSS □ ELL □ ENV □ MCL
	and the professional body)	
	(請提供閣下基於在香港工程師學會與相關專業團體的互相認可協議所持) 的專業會籍)	
	以分表曾和/	
	☐ Other: (please read the attached "Notes to Applicant" Item 2.2)	
	甘州·/清桑開於附百的「由請人借註,第2.2百)	

6. Indicated other professional qualifications different from first application.





appropriate Section D丁部: Checklist of Supporting Documents 須遞交的證明文件清單 box(s) 請在適用 空格加上/號 I attach documentary proof of relevant practical experience. 本人隨申請表附上相關實務經驗證明。 I attach a photocopy of document to substantiate my professional qualifications and the qualified discipline. 本人隨申請表附上一份專業資格及註冊類別的證明文件副本。 I attach a photocopy of the following documents to substantiate my application made under section (iii) 5(2) of the Buildings Energy Efficiency (Registered Energy Assessors) Regulation (Cap. 610B) (please read the attached "Notes to Applicants" Item 2.2) 本人隨申請表附上一份以下的證明文件副本,以作本人在建築物能源效益(註冊能源效益評核人)規例第 610B章第5(2)條下的申請。(請參閱於附頁的「申請人備註」第2.2項) for HK\$ I attach a cheque/drafts/cashier orders no. (iv) (payable to THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION) in payment of the fee prescribed for the application. 本人隨申請表附上一張支票/滙票/本票*號碼 金額\$ 「香港特別行政區政府」作為條例訂明的申請費用。

- Should demonstrate at least 2 years of practical experience in engineering works relating to energy efficiency in buildings acquired while being RPE or 3 years for **MHKIE**
- Provide the receipt of payment or other supporting document to substantiate you have maintained your professional qualifications and the qualified discipline





Please tick in the





Section E 戊部: Declaration 聲明

Please tick in the appropriate box(s) 請在適用 空格加上√號

<u>Applica</u>	Applicable to new application /renewal application only 只適用於新申請/續期申請				
(i)	I declare that I have the knowledge required for the performance of the duties and registered energy assessor under the Ordinance. 本人聲明本人具有執行本條例下註冊能源效益評核人的責任及職能所需的知識。	d functions of a			
(ii)	I declare that I (have / have not)* been convicted in Hong Kong, or elsewhere, of any committed by a registered energy assessor, may bring the profession of registered energy disrepute and sentenced to imprisonment, whether suspended or not and have not misconduct or neglect in a professional respect. 本人聲明(曾/末曾)* 在香港或香港以外地方被裁定犯某罪行,而該罪行如由註冊能源效益評能損及註冊能源效益評核人專業的聲譽及被判處監禁(不論是否緩期執行)及未曾在專業方面忽行為。	rgy assessor into committed any 平核人所犯,便可			
Applica	able to all application 適用於所有申請				
(iii)	I declare that the information in this form and the entire document submitted in application for registration are true and correct. 本人聲明在此申請表格填報的一切資料及附上的文件全屬真確無訛。	relation to my			
	Signature of Applicant Date 申請人簽署 日期				

9. Forget about "Delete as appropriate"





Common irregularities in completing BEEO submissions – Form EE5 (Energy Audit)





Buildings Energy Efficiency Ordinance

Part 4 4-4 Section 23 Cap. 610

- (5) A registered energy assessor who carries out an energy audit in respect of a building must, within 30 days after issuing an Energy Audit Form, send a copy of the Energy Audit Form and an energy audit report on the audit to the Director.
- (6) An Energy Audit Form issued under subsection (5) must-
 - (a) be in the specified form; and
 - (b) be accompanied by the documents specified in the form.
- (7) An Energy Audit Form issued in respect of a building ceases to have effect on the issue of another Energy Audit Form in respect of the building.
- (8) An owner of a building who contravenes subsection (1) commits an offence and is liable on conviction to a fine at level 5.
- (9) A registered energy assessor who contravenes subsection (5) commits an offence and is liable on conviction to a fine at level 3.
- 23. Owner to exhibit Energy Audit Form

10. The EA report was failed to submitted within the period specified in Section 22 of Buildings Energy Efficiency Ordinance (Cap. 610).





7.2 Step 1 – Collection of Building Information

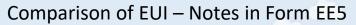
Information on building operation characteristics and technical characteristics of various energy consuming equipment/systems relevant to the central building services installations should be collected. The essential information should include the following

- record of EMO already implemented in the last 36-month or to be implemented, and corresponding energy audit report if available;
- (b) inventories of the energy consuming equipment, and manuals or technical brochures indicating their configurations and characteristics;
- (c) drawings and system schematics showing the layouts of the energy consuming equipment and systems, and drawings showing the layout of the building;
- equipment day-to-day operation records, including room temperature settings and corresponding room temperatures, chilled water supply & return temperature settings and corresponding water temperatures, supply & return air temperature settings and corresponding air temperatures, building & equipment operation hours etc.;
- (e) energy consumption data in last 36-month or since operation of the building should such period be less than 36-month;
- (f) operation & maintenance programmes including timing of major alterations, additions or replacements for the building;
- (g) areas of relevant spaces attributing to the internal floor area of the building; and
- (h) total internal floor area of the building.

11. Missing essential information









Form EE5			表格 EE5	機電工程署
The Government of the Hong Kong Special Administrative Region Buildings Energy Efficiency Ordinance (Chapter 610, Section 22) Energy Audit Form		e Region ciency Ordinance	香港特別行政區政府 建築物能源效益條例 (第610章 第22條) 能源審核表格	EW2D
Section A F		一般資料		
Name of Building 建築物名稱	English 英文 Chinese			
Address of Building	中文 Street N 街道號			
建築物地址	Street 街道	English 英文 Chinese		
	District	中文 English 夢文		能源譽EUI
		Chinese 中文 Hong Kong 香港	□ Kowloon 九龍 □ New Territories 新界	Energy Utilization Index (per annum) 能源使用指数(按年計)
Section B Z Declaration				NUm*/annum
To 致:	Building	owner 建築物擁有人 ctor of Electrical and M	echanical Services 機電工程署署長	Exply Cate 庭滿日期 Completion Data 完成日期
I, (full name)			s Energy Efficiency Ordinance (Chapter 610)	No Energy Audit conducted previously 以前没有進行能源書核
certify that	an Energ		If the above building was completed or MYYYY). This Energy Audit Form will expire or	Contract to the contract to th
	/	/ (DD/Mit		上次能源使用指數(按年計) Milm ² Jannum
building is_			ent tokWh/m²/annum. (see note 5	kWh/m//annum
作爲註冊能源	原效益評核	人註冊號碼:	1. 現間明上述建築物的能源審核已於 	Correction of
		2個月期間的按年計組	能源使用指數馬	EUI with previous energy audit 與上文能源 使用指數比較
Signi		ered Energy Assessor 益評核人聚名	Date of issue (DDRMWYYY) 接發日期 (D/丹年)	Cari note 5 – 7) (見的印象項 5 – 7)
			1/5	EMSD/EES (Rev. 09/22)

12. Wrong calculations for the Comparison of EUI

7. The comparison of EUI with previous energy audit is calculated as below: "- ve" percentage change expresses a decrease of EUI and the building utilizes less energy per m² than the "+ we" percentage change expresses an increase of EUI and the building utilizes more energy per m² than the previous energy audit. 與上次能源使用指數比較的計算如下: EUI。為本次能源使用指數 EUI。為上次能源使用指數 比較數值為負值時「- ve」,代表該建築物的維源使用指數下降及其每平方米維源使用量比上次能源審核低 比較數值為正值時「+ ve」,代表該建築物的維源使用指數上升及其每平方米維源使用量比上次維源審核高。 EMSD/EE5 (Rev. 09/22) Last Revision Date: 19 Jan, 2024 Building Details The Center 99 Queen's Road Central , Central, Hong Kong Building Address Latest Energy Audit Expiry Date of Energy Audit Form 182.92 FUII** (kWh/m²/annum)*** Total energy consumption of the central building services installations (kWh / annum) Index (EUI) Total internal floor area of building (m2) *** 1kWh is equivalent to 3.6 MJ





Executive Summary of Energy Audit Report for Energy Audit Code (EAC) (Please refer to Section 8, Code of Practice for Building Energy Audit)

Form EE-EAes

1) Annual electricity consumptiuon of last 36-month (kWh/annum) (EAC Clause 8.1(g)ii))		3,062,429.00	3,255,126.00	2,934,032.0
		(kWh/annum)	(kWh/annum)	(kWh/annum
		Past 1st 12-month	Past 2 nd 12-month	Past 3 rd 12-mor
Annual consumption of energy ^{^30} other than 2) electricity, of last 36-month (MJ/annum) (EAC Clause 8.1(g)ii))		0.00	0.00	0.00
		(MJ/annum)	(MJ/annum)	(MJ/annum)
		Past 1st 12-month	Past 2 nd 12-month	Past 3 rd 12-mor
Annual total energy consumption, of last 36-month 3) (MJ/annum) (sum of figures in 1) & 2)) (EAC Clause 8.1(g)ii))		11,024,744.40	11,718,453.60	10,562,515.2
		(MJ/annum)	(MJ/annum)	(MJ/annum)
		Past 1st 12-month	Past 2 nd 12-month	Past 3 rd 12-mor
Annual Energy Utilisation Index (EUI) of last 36-month (MJ/m²/annum) (EAC Clause 8.1(g)ii)) (Value in kWh/m²/annum can be obtained by dividing the MJ/m²/annum figure by 3.6)		79.99	85.03	76.64
		(MJ/m²/annum)	(MJ/m²/annum)	(MJ/m²/annum
		Past 1 st 12-month	Past 2 nd 12-month	Past 3 rd 12-mor
Monthly EUI of past 1st 12- 5) month period (MJ/m²/month) (EAC Clause 8.1(g)iii))	8.06	6.55	6.50	4.85
	1st mth	2nd mth	3rd mth	4th mth
	4.53	5.47	5.25	6.35
	5th mth	6th mth	7th mth	8th mth
	7.05	7.72	8.57	9.09
	9th mth	10th mth	11th mth	12th mth *31
Annual energy consumption 6) breakdown, of past 1 st 12-month period (MJ/annum) (EAC Clause 8.1(g)iv))	7,985,192.00	803,217.00	254,793.00	966,081.00
	Air-conditioning ^{^32}	Lighting	Lift & Escalator	Others ^{*33}
Energy supply from CBSI to building's units, as a percentage of the total energy				
consumption of past 1 st 12-month period (EAC Clause 8.1(h))				
Energy bill reference month (month for which the most recent energy bill has been issued by 8) the energy supply utility prior to commencement of energy audit, i.e. the 12 th month of item 5)				
8) the energy cumply utility prior to con	amencement of anal	av audit i a the 12	month of item 5)	

13. Annual EUI not equal to the summation of 12 monthly EUI (Part 2 of Form EE--EAes2021)





Executive Summary of Energy Audit Report for Energy Audit Code (EAC) (Please refer to Section 8, Code of Practice for Building Energy Audit)

Form EE-EAes

(rease refer to seem of code of reactive seeming seeing readily					
Part 1 – Administrative Information & Building Characteristics					
(B) Building Characteristics	(EAC Clause 8.1)				
(I) Building Type, Usage & Operation (Please click to select where applicable and insert N/A for non-applicable items.)					
1) Type of Building					
(a) Please choose the type (tick one item only) of building of the building entity 2 audited :					
☐ Commercial building	Commercial portion of composite (commercial &	☐ Commercial portion of composite (commercial & industrial) ^{^3} building			
(b) Please indicate the portion of the building entity being common area ^{^4} :		%			
(c) Please indicate the no. of blocks ² of the building entity:		no. of blocks			
2) Total internal floor area ⁵ of the building entity (m ²):					
3) No. of floors ^{^6} of the building entity:					
4) Major type of building façade:		Curtain wall Non-curtain wall			
5) Date(s) of issue of occupation appro					

14. Internal floor area / occupation permit not tally with last EA Report







Section B 乙部: Declaration 聲明	kWh/r Expiry Date ,
To 致: CC 副本抄送: The Director of Electrical and Mechanical Services 機電工程署署長	屆滿日期 —— / —— Completion Date 完成日期 —— / ——
In accordance with section 22 of the Buildings Energy Efficiency Ordinance (Chapter 610), I, (full name)	No Energy Audit conduct 以前沒有進行能源審 Energy Audit conducted 曾經進行能源審核
/ (DD/MM/YYYY). This Energy Audit Form will expire on	Previous Energy Utilization Ind 上次能源使用指數(按年計 MJ/m kWh Completion Date 完成日期 /
作為註冊能源效益評核人(註冊號碼:	Comparison or EUI with previou energy audit 與上次能源 使用指數比 (See note 5 – 7) (見須知事項 5 – 7)
1/5	EMSD/EE5 (

 REA to issue the original certified copies of the **Energy Audit Form and the Energy Audit Report to the** relevant building owner according to Section 22 of Cap. 610.





• For the renewal of energy audit, REA should strongly remind and advise the building owner to properly maintain the original of energy audit report including the Form EE5 (Energy Audit Form) as well as Form EE-EA (Energy Audit Checklist), as well as for EMSD's inspection. Their copies would not be provided by EMSD except a duplicate copy of the Energy Audit Form by an formal application (by Form EE7) by the building owner.





Common irregularities in completing BEEO submissions – Form EE4 (FOC)







Circular

31-12-2021 1/2021 Launch of the BEC 2021 and the EAC 2021 (20	12KB)
29-07-2022 1/2022 <u>Launch of Technical Guidelines and Technical F</u>	Forms for BEC 2021 and EAC 2021 (565 KB)
26-09-2022 2/2022 Revision 09/22 of Energy Audit Form EE5 (480	KB)
30-06-2023 1/2023 Revision 06/23 of Form EE3, Form EE-SU and	Form EE-ET (512 KB)



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15. The completed forms are old version or obsoleted (check latest circulars and latest forms are available in internet)







Cap. 610

Schedule 3

[ss. 2 & 43]

Major Retrofitting Works

(Format changes—E.R. 1 of 2017)

16. The work submitted for FOC may not be justified as a "Major Retrofitting Works". The definitions are as follows:

- Works involving addition or replacement of a building services installation specified in a code of practice that covers one or more places with a floor area or total floor area of not less than 500 m² under the same series of works within 12 months in a unit or a common area of a prescribed building.
- Addition or replacement of a main component of a central building services installation, including—
 - (a) addition or replacement of a complete electrical circuit at rating of 400A or above;
 - (b) addition or replacement of a unitary air-conditioner or air-conditioning chiller of a cooling or heating rating at or exceeding 350 kW; or
 - (c) addition or replacement of the motor drive and mechanical drive of a lift, an escalator or a passenger conveyor.







Part 3

Major Retrofitting Works in Prescribed Buildings

(Format changes—E.R. 1 of 2017)

- 16. Application of Part 3
 - This Part applies to a prescribed building.
- 17. Duty to obtain Form of Compliance for major retrofitting works
 - (1) Subject to subsection (4), if major retrofitting works are carried out in respect of any building services installation that serves any unit or common area of a building, a person who is the responsible person of the unit or the owner of the common area, as may be appropriate, as at the completion of the works must, within 2 months after the completion of the works, obtain a Form of Compliance issued in respect of the installation.
 - (2) Subject to subsection (4), if major retrofitting works are carried out in respect of any central building services installation, a person who is the owner of the installation as at the completion of the works must, within 2 months after the completion of the works, obtain a Form of Compliance issued in respect of the installation.

17. REA can't provide documentary proof to certify that the Original FOC has been sent to the Responsible Person for the building concerned within 2 months after the Work Completion Date. REA also needed to check the supporting document from responsible person to substantiate the "completion date" of the MRW.





18. Requirements applicable to Form of Compliance

- (1) A Form of Compliance must—
 - (a) be issued by a registered energy assessor;

Verified Copy

Last updated date 15.2.2017

Buildings Energy Efficiency Ordinance

Part 3 Section 18 3-6

Cap. 610

- (b) be in the specified form;
- (c) be accompanied by the documents specified in the form;
- (d) contain a declaration by the assessor that—
 - (i) the assessor has, in the 30 days before the declaration, personally inspected the building services installations in respect of which the major retrofitting works were carried out and which are specified in the Form of Compliance; and
 - (ii) the assessor is satisfied that the installations comply with the specified standards and requirements.

18. REA can't provide documentary proof to certify that the date of inspection by the REA of the Major Retrofitting Works.

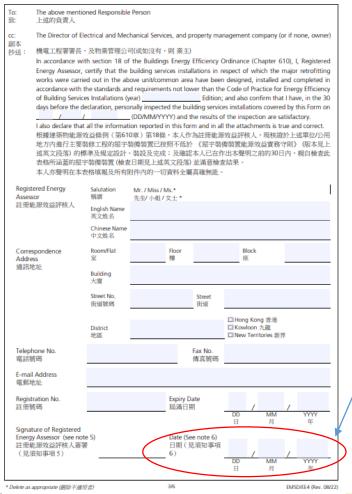






EMSD/EE-SU (Rev. 06/23)

Section B 乙 部: Declaration 聲明



19. The Declaration
Date on different
forms of one
submission are
different.

Technical Data of Lift & Escalator Installation for Building Energy Code (BEC) 2021 Form EE-LE (Please refer to Section 8, Code of Practice for Energy Efficiency of Building Services Installation 2021 Edition) Part 6 – Declaration I, Registered Energy Assessor, hereby declare that all the information contained in this form and in the substantiation materials attached have been thoroughly examined and well prepared to demonstrate the compliance with the Building Energy Code. I understand that any missing information, inconsistency and incorrectness on the submitted materials / information may result in jeopardizing the approval process and having the entire submission been rejected. Name of Registration the REA: No.: Signature of the REA DD / MM / YYYY

1/11

Date of Declaration by Registered Energy Assessor in Form EE1 / EE2 / EE3 / EE4 *: 載於表格EE1 / EE2 / EE3 / EE4 * 之能源效益評核人的聲明日期:

* Delete as appropriate (删除不適用者)

Is this submission to supersede a form submitted before? (Please give a "✓" in the appropriate box)





Common irregularities in completing BEEO submissions – COCR



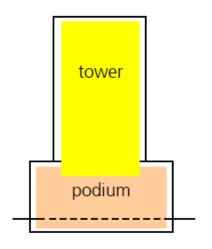


Technical Guidelines on Code of Practice for Energy Efficiency of Building Services Installation Technical Compliance

4.2.7.1 COCR Per Podium Tower Pair

For a building complex consisting of a podium block and a single tower block, as shown in TG Figure 4.2.7.1, the complex is normally regarded as a single building block requiring a single COCR and thus single stage one and stage two declarations.

Figure 4.2.7.1 : Building complex with a podium and a tower counted as a single block



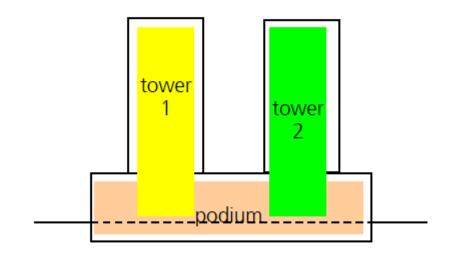




4.2.7.2 COCR Per Building Block

For a building complex consisting of three blocks, namely tower 1, tower 2 and podium, as shown in TG Figure 4.2.7.2, a COCR should be obtained for each building block, namely for podium block, tower 1 block and tower 2 block, that is a total of 3 nos.

Figure 4.2.7.2 : Two towers with common podium counted as 3 nos. building blocks



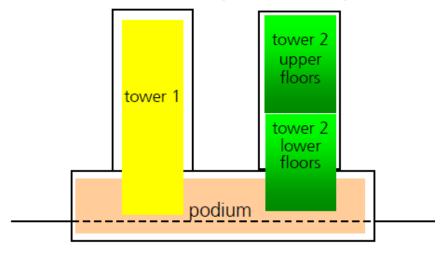
COCRs, with separate stage one declarations and stage two declarations.





4.2.7.3 Consider a building complex in TG Figure 4.2.7.3, which is similar to TG Figure 4.2.7.2, but this time tower 2 has different OAs respectively for its upper floors and lower floors. Now there are 4 nos. blocks, namely podium block, tower 1 block, tower 2 lower floors block and tower 2 upper floors block, and it is required to obtain for each of

Figure 4.2.7.3 : Building complex with different blocks and phased completion



these 4 blocks a separate COCR, that is a total of 4 nos. COCRs for the complex, with separate stage one declarations and stage two declarations. Attention is drawn that the

interpretation of OA covers also a temporary occupation permit.



- Failed to submit the COCR stage one submission to the Director of the EMSD within 2 months after the day on which the consent to the commencement of building works for the superstructure construction of the building is given.
- Forget to provide copy of full set of Form BD 103 issued by BD or copy of "Order to Commence Work" or "Works Order" issued by ArchSD
- Forget to submit the original Form EE1 signed by RP and REA.
- Submit the COCR stage one for the building which is not governed under Schedule 1 of BEEO, such as:
- residential building owned by a single owner
- industrial building without common area
- the building ceased to exist within 12 months after the date of the declaration

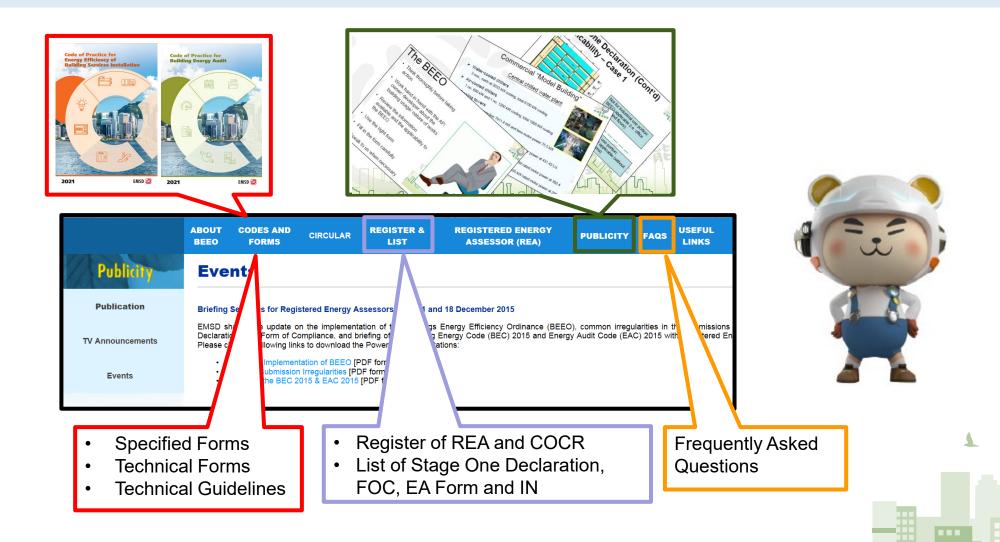


- REA submitted for extension for COCR stage two submission by Form EE-ET close to the deadline.
- The work site declared by REA in COCR stage two submission was found work in progress and not ready by our inspection.



Further Information



















Thank You



