

APPLICATION FOR APPROVAL OF PERIODIC AUDIT REPORT OF ENERGY EFFICIENCY OF BUILDING COOLING SYSTEM	
[Section 22FF of the Building Control Act (Cap.29) (the "Act")]	
Date:	<input type="text"/>
To:	Commissioner of Building Control Building & Construction Authority 5 Maxwell Road #02-00 Tower Block, MND Complex Singapore 069110 Website: http://www.bca.gov.sg
Instructions	
<p>1. This form may be submitted electronically or manually.</p> <p style="margin-left: 20px;">a. All electronic submissions are to be digitally signed by the appointed Mechanical Engineer/Energy Auditor.</p> <p style="margin-left: 20px;">b. All manual submissions are to be signed by the appointed Mechanical Engineer/Energy Auditor.</p> <p>2. This form may take 10 - 15 mins to complete.</p>	
Particulars of Application	
Notice Reference Number (from BCA notice letter)*	<input type="text"/>
Building Name*	<input type="text"/>
Block Number*	<input type="text"/>
Road Name*	<input type="text"/>
Postal Code*	<input type="text"/>
ADD button	Click to add a new block (new building name, block number and postal code to be added)
Building Sector*	<input type="text"/> Private/Public
Building Type*	<input type="text"/> Hotel/Retail/Office/Mixed Development/Others
Building Age*	<input type="text"/> years
Category of notice for building subject to energy audit	<input type="checkbox"/> Building with planning permission submitted on or after 1 Dec 2010 <input type="checkbox"/> Building that undergone major energy-use change
Date of last energy audit submission	<input type="text"/>
Nos. of energy audit reports submitted previously	<input type="text"/> 1/2/3/4/5

Gross Floor Area*		GFA/m²
	<input type="checkbox"/> Hotel	
	<input type="checkbox"/> Office	
	<input type="checkbox"/> Retail	
	<input type="checkbox"/> Others	
	Total	(auto)
*For mixed development, fill in the areas for the respective building type.		
Air-Conditioned Area	<input type="text"/> m ²	
Section I Particulars of Building Owner(s) / Management Corporation		
Name*	<input type="text"/>	
NRIC*	<input type="text"/>	
Company Name / MCST Plan No.*	<input type="text"/>	
UEN	<input type="text"/>	
Designation*	<input type="text"/>	
Address*	<input type="text"/>	
Telephone No.*	<input type="text"/>	
Handphone No.	<input type="text"/>	
Fax No.	<input type="text"/>	
Email Address*	<input type="text"/>	
Section II Particulars of Mechanical Engineer / Energy Auditor		
Name*	<input type="text"/>	
Registration No. *	<input type="text"/>	
Firm Name	<input type="text"/>	
UEN	<input type="text"/>	
Address*	<input type="text"/>	
Telephone No. *	<input type="text"/>	
Handphone No.	<input type="text"/>	
Fax No.	<input type="text"/>	
Email Address*	<input type="text"/>	

Declaration by Mechanical Engineer / Energy Auditor			
II.1. I am the Mechanical Engineer / Energy Auditor appointed under the Act in respect of the abovementioned building.	<input type="checkbox"/>		
II.2. I hereby confirm that the notification of appointment/authorization form titled 'BCA-EB-NAPPOSE01' and attached to this application is duly signed by the relevant parties.	<input type="checkbox"/>		
II.3. The energy audit commenced on [REDACTED] and was completed on [REDACTED]. I declare that the cooling system meets the energy efficiency standard in the Energy Audit Code subject to such modification granted under Section 22FF(5) of the Act and that the energy audit was carried out in accordance with the Act and the Building Control (Environmental Sustainability Measures for Existing Buildings) Regulations 2013. t.	<input type="checkbox"/>		
II.4. I hereby confirm the energy audit report for the above building as provided in the attached document.	<input type="checkbox"/>		
II.5. I hereby declare that the particulars provided in this application and the attached forms/documents are correct.	<input type="checkbox"/>		
Section III Submission Details			
Air-Conditioning System			
Sub Category of Air-Con System	Air cooled <input type="checkbox"/> water cooled <input type="checkbox"/>		
Age of Air-con system	[REDACTED] years		
Total installed capacity*	[REDACTED] RT	[REDACTED] kW	
Air-con configuration	[REDACTED]		
Air-Con area served by chiller plant system*	[REDACTED] m ²		
Daytime average cooling load*	[REDACTED] RT	Night-time average cooling load* <i><only enable if hotel type checked></i>	[REDACTED] RT
Daytime average cooling load per sq m*	[REDACTED] W/m ²	Night-time average cooling load per sq m* <i><only enable if hotel type checked></i>	[REDACTED] W/m ²
Daytime Chiller Plant Efficiency		Night-time Chiller Plant Efficiency <i><only enable if hotel type checked></i>	
Chiller	[REDACTED] kW/RT	Chiller	[REDACTED] kW/RT
Chilled water pump	[REDACTED] kW/RT	Chilled water pump	[REDACTED] kW/RT
Condenser water pump	[REDACTED] kW/RT	Condenser water pump	[REDACTED] kW/RT
Cooling Towers	[REDACTED] kW/RT	Cooling Towers	[REDACTED] kW/RT
Total System*	[REDACTED] kW/RT	Total System*	[REDACTED] kW/RT
Heat Balance			
% Heat Balance within ±5% error*	[REDACTED] %		

Section IV Submission Checklist	
Scanned copy of BCA's notice for the submission of Energy Audit	<input type="checkbox"/>
As-built schematic drawing of air-conditioning system (water-side) is attached	<input type="checkbox"/>
As-built chiller plant room layout drawing indicating position of M&V instruments using symbol and color scheme is attached.	<input type="checkbox"/>
1 week raw data of the following data points in excel format (.xls) with date and time stamp: chilled water supply temperature (°C); chilled water return temperature (°C); condenser water supply temperature (°C); condenser water return temperature (°C); chilled water flow rate (l/s); condenser water flow rate (l/s); electrical power of chiller(s), chilled water pump(s), condenser water pump(s) & cooling tower(s) (kW). The excel file should include all the chart plots specified in Annex B of the Code on Periodic Energy Audit of Building Cooling Systems.	<input type="checkbox"/>
Energy Audit report (format in accordance to Annex B of "Code on Periodic Energy Audit of Building Cooling Systems")	<input type="checkbox"/>