

# Periodic Energy Audit Submission (CORENET 2.0)

## Guide for PE and Energy Auditor

Dated 24 Aug 2022

Go to <https://www.corenet2-ess.gov.sg/document/#/home> and select login here for your CORENET e-Submissions.

The screenshot shows a web browser window with the address bar displaying <https://www.corenet2-ess.gov.sg/document/#/home/Cn2LoginOptions>. The page header includes the text "A Singapore Government Agency Website" and the "CORENET 2" logo. A navigation menu contains links for "About", "Announcements", "Online Submission", "Software Downloads", a yellow warning icon, and a red button labeled "Login here for your CORENET e-Submissions". A red arrow points to this button. Below the navigation bar is a large banner image of a city skyline at sunset. Overlaid on the banner is the text "Corenet 2.0 e-Submission" and a description: "A G2B (Government to Business) internet-based system that enables industry professionals to submit project related electronic". To the right of the banner is a vertical label "DWP Digital Guide". Below the banner, the text "CORENET 2.0" is displayed in large white letters. Underneath, there is a section titled "Other Links" with a link "Reach" and an external link icon. On the right side of this section are links for "Contact Info", "Feedback" (with an external link icon), and "FAQ". The footer contains a smiley face icon, links for "Report Vulnerability" (with an external link icon), "Privacy Statement", and "Terms of Use". On the right side of the footer, it says "© 2022 Government of Singapore" and "Last Updated : 05 February 2022".

Log in VIA Individuals ( Log in with Singpass ) or VIA Existing Corenet ESS account with passport/FIN number

→ ↻ 🏠 🔒 https://www.corenet2-ess.gov.sg/document/#/home/Cn2LoginOptions 🔊 ⭐ ⚙️ ⌘ 🗑️ 👤 ⋮

A Singapore Government Agency Website

**CORENET 2** About Announcements Online Submission Software Downloads ⚠️ Login here for your CORENET e-Submissions 🔍

VIA

**Business Users**

Log in with Singpass

or

VIA

**Individuals**


Log in with Singpass

or

VIA

**Existing Corenet ESS account with passport/FIN number**

Click Here

 **CORENET 2.0** 🇸🇬 ▼

Go to More ➡ Select Online Submission

←↻🔒https://www.corenet2-ess-uat.gov.sg/document/#/🔊🔖⚙️🌟🔗👤⋮

A Singapore Government Agency Website

CORENET 2

WELCOME, Lionel Yeo

Last Login: 24/08/2022 | 15:33

Logout

🏠Dashboard

✍️Projects

📄Submissions

✉️Correspondence

⋮More

🔍Search

🔍Advanced search

Download File(s) Package

Online Correspondence

Agency Response Time

Others

Request to Change Project Member

Vault

Software Downloads and User Guides

Request to Take Over/ Reap Project Coordinator

View Pending Change Member Request

Online Submission

Manual Project

No records to display

⏪ < > ⏩

0 of 0 pages (0 items)

Favorites

A886-00003-2022 ⭐

Proposed Erection of a 3-Storey Landed House

Location Description:  
604, SENJA ROAD, #1-1, Singapore 670604

Your Submission History for the last 4 Weeks

1.100

1.000

0.900

0.800


https://www.corenet2-ess-uat.gov.sg/document/#/submissions/Cn2SubmissionSubmitOnlineSubmission

86°F  
Mostly cloudy

🖥️🔍📁💬📧📅🌐📊📌📄📁

⤴️📶🔊🔋3:34 PM  
8/24/2022

## Download PEA Application Forms:-

Select Application ➡ BCA ➡ BCA-GMEB-Periodic Energy Audit of Bldg Cooling System ➡ Proceed

The screenshot shows the CORENET 2.0 Online Submission portal. The navigation bar includes Dashboard, Projects, Submissions, Correspondence, and More. The breadcrumb trail is Home / More / Online Submissions. The main heading is Submit Online Submissions. On the left, a sidebar contains three steps: 1. Select Application, 2. Upload Document, and 3. Submit. Step 1 is highlighted with a red circle and arrow. In the main content area, a search bar is present. Below it, a list of application categories is shown, with 'BCA-GMEB-Periodic Energy Audit of Bldg Cooling Sys' selected and highlighted with a red circle and arrow. To the right of this list is a table of downloadable forms. A red box highlights the first three rows of the table, and a red arrow points to the first row with the text 'Click to Download forms'. At the bottom right, a blue 'Proceed' button is highlighted with a red circle and arrow.

Search for Application

AC-ACO-SAC Applications

Appointment of SE under S28

APPOINTMENT OF STRUCTURAL ENGINEER

BCA-GMEB-Periodic Energy Audit of Bldg Cooling Sys

File Name	File Size	File Tag	Effective Date
<a href="#">Annex_B_Energy_Audit_Report.doc</a>	4.47 mb	Others	9/10/2020
<a href="#">BCA-EB-NAPPOSE01.doc</a>	0.05 mb	Others	9/10/2020
<a href="#">BCA-EB-OSE01.XFDX</a>	0.03 mb	Main Form	23/03/2022
<a href="#">Periodic Energy Audit Correspondence form.doc</a>	0.06 mb	Others	9/10/2020

bp application02

Proceed

## Submit Application Forms:-

Select Upload Document ➡ Browse or Drag Files to Upload ➡ Proceed

The screenshot displays the CORENET 2.0 Online Submission interface. The browser address bar shows the URL: <https://www.corenet2-ess-uat.gov.sg/document/#/submissions/Cn2SubmissionSubmitOnlineSubmission>. The navigation bar includes links for Dashboard, Projects, Submissions (highlighted in orange), Correspondence, and More. A search bar is also present.

The main content area is titled "Submit Online Submissions" and shows the progress: "Home / More / Online Submissions" and "Submit Online Submissions". The application type is "You are applying to BCA-GMEB-Periodic Energy Audit of Bldg Cooling Sys".

The left sidebar contains three steps: 1. Select Application, 2. Upload Document (highlighted in orange), and 3. Submit. A red circle with the number 1 and an arrow points to the "Submit" button in the sidebar.

The main area features a "Drag Files to Upload" section with a "Browse" button. A red circle with the number 2 and an arrow points to the "Browse" button.

Below the upload section, there is a list of uploaded files:

File Name	Category	Size	Status
BCA-EB-OSE01.XFDX	Main Form	24.82 KB	File uploaded successfully
Annex_B_Energy_Audit_Report (1).doc	Others	4.27 MB	File uploaded successfully
BCA-EB-NAPPOSE01 (1).doc	Others	53 KB	File uploaded successfully

A red circle with the number 3 and an arrow points to the "Proceed" button at the bottom right of the page.

## **All required documents to be uploaded**

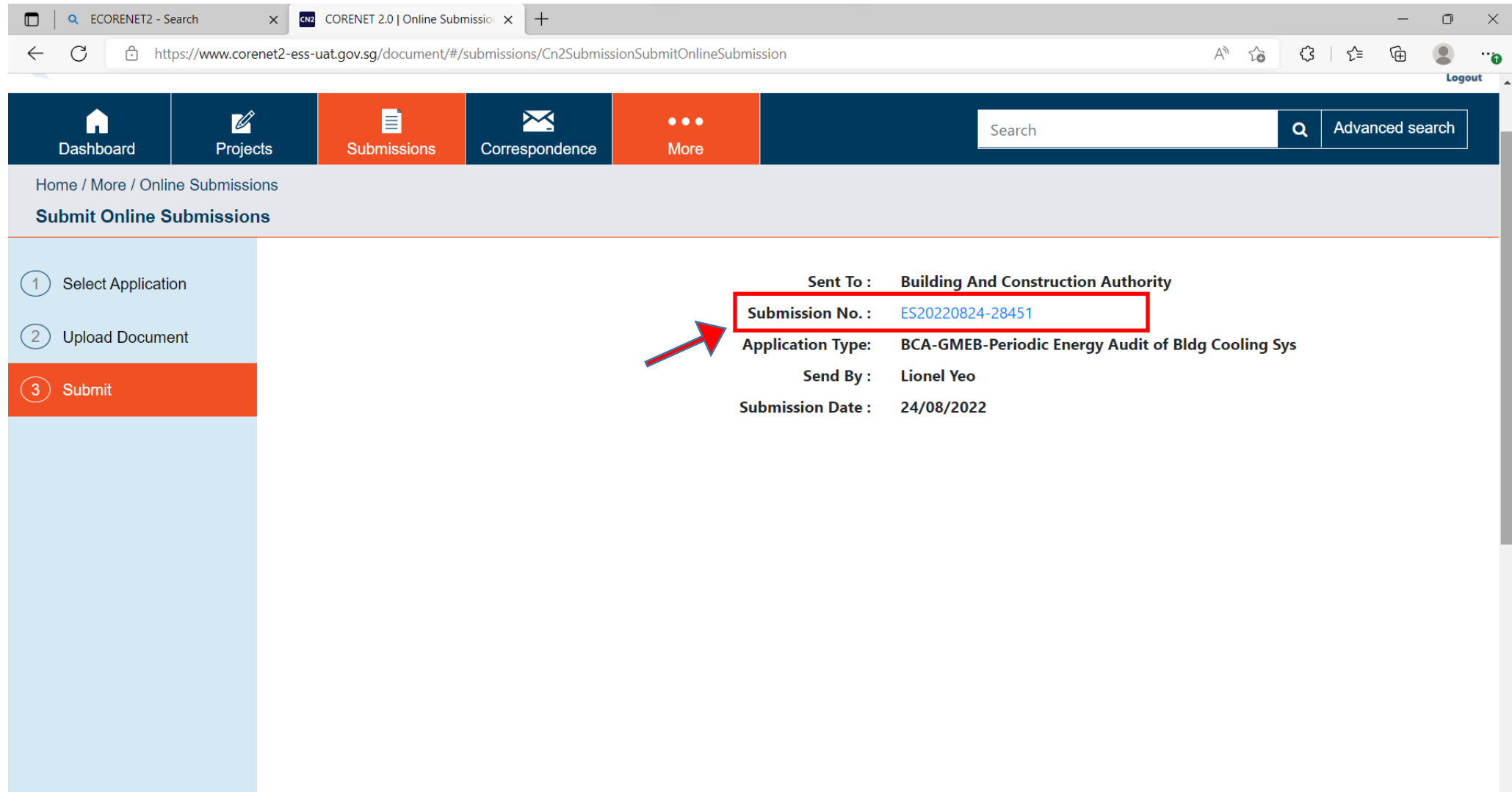
- ☑ BCA-EB-OSE01.XFDX (XFDX format)
- ☑ Annex B Energy Audit Report (PDF format)
- ☑ Notification of appointment form BCA-EB-NAPPOSE01 (PDF format)
- ☑ Scanned copy of BCA notice letter for Energy Audit.
- ☑ As-built schematic drawing of air-conditioning system (water-side) is attached.
- ☑ As-built chiller plant room layout drawing indicating position of M&V instruments using symbol and color scheme is attached
- ☑ 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 System.
- ☑ Energy Audit report (format in accordance to Annex B of "Code on Periodic Audit of Building Cooling Systems" prevailing edition) endorsed by PE/EA on front page of the hardcopy report.
- ☑ Drawings showing the details of instruments installation.
- ☑ Instruments' calibration certificates from accredited laboratory and their factory calibration certificates from manufacturers.
- ☑ All input parameters for the permanent instrumentations (e.g. flow meter setting for pipe material, diameter, circumference, thickness, roughness, type of lining). Calculation of overall uncertainty of measurement of the resultant chiller plant in kW/RT to be within +/-5% of the true value based on instrumentations specifications and calibration certificates.
  - i) for central chilled water system; and
  - ii) for individual chillers (if instrumentation are installed at individual chillers and header/risers.)
- ☑ Chiller(s) part load performance (at 10% interval from 100% to minimum value) from equipment supplier at operation conditions.



**Note: All attachments  
are to be ENCRYPTED**

A submission number would be generated (ES number).

Note: This Submission number is required for correspondence reply to BCA ( CR).



The screenshot displays the CORENET 2.0 Online Submission portal. The browser address bar shows the URL: <https://www.corenet2-ess-uat.gov.sg/document/#/submissions/Cn2SubmissionSubmitOnlineSubmission>. The navigation bar includes links for Dashboard, Projects, Submissions, Correspondence, and More. The breadcrumb trail indicates the path: Home / More / Online Submissions. The main heading is "Submit Online Submissions". On the left, a sidebar lists the steps: 1 Select Application, 2 Upload Document, and 3 Submit (highlighted in orange). The submission details are as follows:

Sent To :	Building And Construction Authority
Submission No. :	<a href="#">ES20220824-28451</a>
Application Type:	BCA-GMEB-Periodic Energy Audit of Bldg Cooling Sys
Send By :	Lionel Yeo
Submission Date :	24/08/2022

A red arrow points to the Submission No. field, which is highlighted with a red box.

Submit Correspondence Reply to BCA : –  
Go to More ➡ Select Online Correspondence

The screenshot shows the CORENET 2.0 e-Submission System interface. The browser address bar displays the URL: <https://www.corenet2-ess-uat.gov.sg/document/#/submissions/Cn2SubmissionSubmitOnlineCorrespondence>. The navigation menu includes Dashboard, Projects, Submissions, Correspondence, and More. The 'More' menu is expanded, showing options like Download File(s) Package, Others, Software Downloads and User Guides, Online Submission, Request to Change Project Member, Request to Take Over/ Reappoint Project Coordinator, Manual Project, Agency Response Time, Vault, and View Pending Change Member Request. The 'Online Correspondence' option is highlighted with a red arrow and a red circle labeled '2'. A red circle labeled '1' points to the 'More' menu. The main content area displays the following information:

Application Type:	Correspondence to Agency
Submit By:	Lionel Yeo
Submit Date:	2022-08-24

A 'Next >' button is visible at the bottom right of the page.

Select Correspondence Details ➤ Enter Reference Submission No. (ES number) ➤ Next

The screenshot displays the 'Submit Online Correspondence' interface on the CORENET 2 portal. The top navigation bar includes the CORENET 2 logo, the user name 'WELCOME, Architect 899', the last login time '28/03/2022 | 10:41', and a 'Logout' button. The main navigation menu contains 'Dashboard', 'Projects', 'Submissions', 'Correspondence', and 'More'. The 'Correspondence' menu item is highlighted. The breadcrumb trail shows 'Home / More / Online Correspondence'. The page title is 'Submit Online Correspondence'. The left sidebar contains three items: '1 Correspondence Details' (highlighted with a red circle and arrow), '2 Upload Document', and '1 Submit'. The main content area is titled 'Submission Details' and contains a form with the following fields: 'Reference Submission No.\*' (ES20220325-26921), 'Submit To\*' (Building And Construction Authority), 'Application Type' (Correspondence to Agency), 'Submit By' (Architect 899), and 'Submit Date' (2022-03-28). A red box highlights the 'Submit To\*' field, with a red circle and arrow pointing to it. A 'Next >' button is located at the bottom right, with a red circle and arrow pointing to it.

Click Upload Document ➤ Browse or Drag Files to Upload ➤ Proceed ➤

The screenshot shows the 'Submit Online Correspondence' page. The top navigation bar includes 'Dashboard', 'Projects', 'Submissions', 'Correspondence', and 'More'. A search bar is on the right. The breadcrumb trail is 'Home / More / Online Correspondence'. The left sidebar has three items: '1 Select Application', '2 Upload Document' (highlighted in orange), and '3 Submit'. The main content area has a dashed box for 'Drag Files to Upload' and a 'Browse' button. Below this, there are three file upload entries: 'BCA-EB-OSE01.XFDX' (24.82 KB, 'Main Form'), 'Annex\_B\_Energy\_Audit\_Report (1).doc' (4.27 MB, 'Other'), and a partially visible 'S.N.'. Each entry has a trash icon. A 'Proceed' button is at the bottom right. Red annotations include a '1' pointing to the 'Submit' link in the sidebar, a '2' pointing to the 'Browse' button, and a '3' pointing to the 'Proceed' button.

Dashboard Projects Submissions Correspondence More

Search Advanced search

Home / More / Online Correspondence

Submit Online Correspondence

1 Select Application

2 Upload Document

3 Submit

1

Drag Files to Upload

Browse

2

BCA-EB-OSE01.XFDX Main Form

24.82 KB

File uploaded successfully

Annex\_B\_Energy\_Audit\_Report (1).doc Other

4.27 MB

File uploaded successfully

S.N.

3

Proceed

**Note: All attachments  
are to be ENCRYPTED**

A correspondence number would be generated ( CR number).

Logout

Dashboard

Projects

Submissions

Correspondence

More

Search

Advanced search

Home / More / Online Correspondence

Submit Online Correspondence

1 Select Application

2 Upload Document

3 Submit

Correspondence No. : CR20220825-04781

Submission No. : ES20220824-28451

Send By : Lionel Yeo

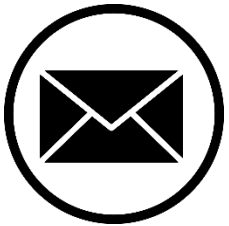
Sent To : Building And Construction Authority

Send Date : 24/08/2022

**For further assistance and required CORNET ESS Helpdesk service, please contact:**



Tel: 63255901 – 63255906



[ess-helpdesk@nova-hub.com](mailto:ess-helpdesk@nova-hub.com)

Monday to Friday - 8:00am to 5:30pm (excluding Saturday, Sundays & Public Holidays)