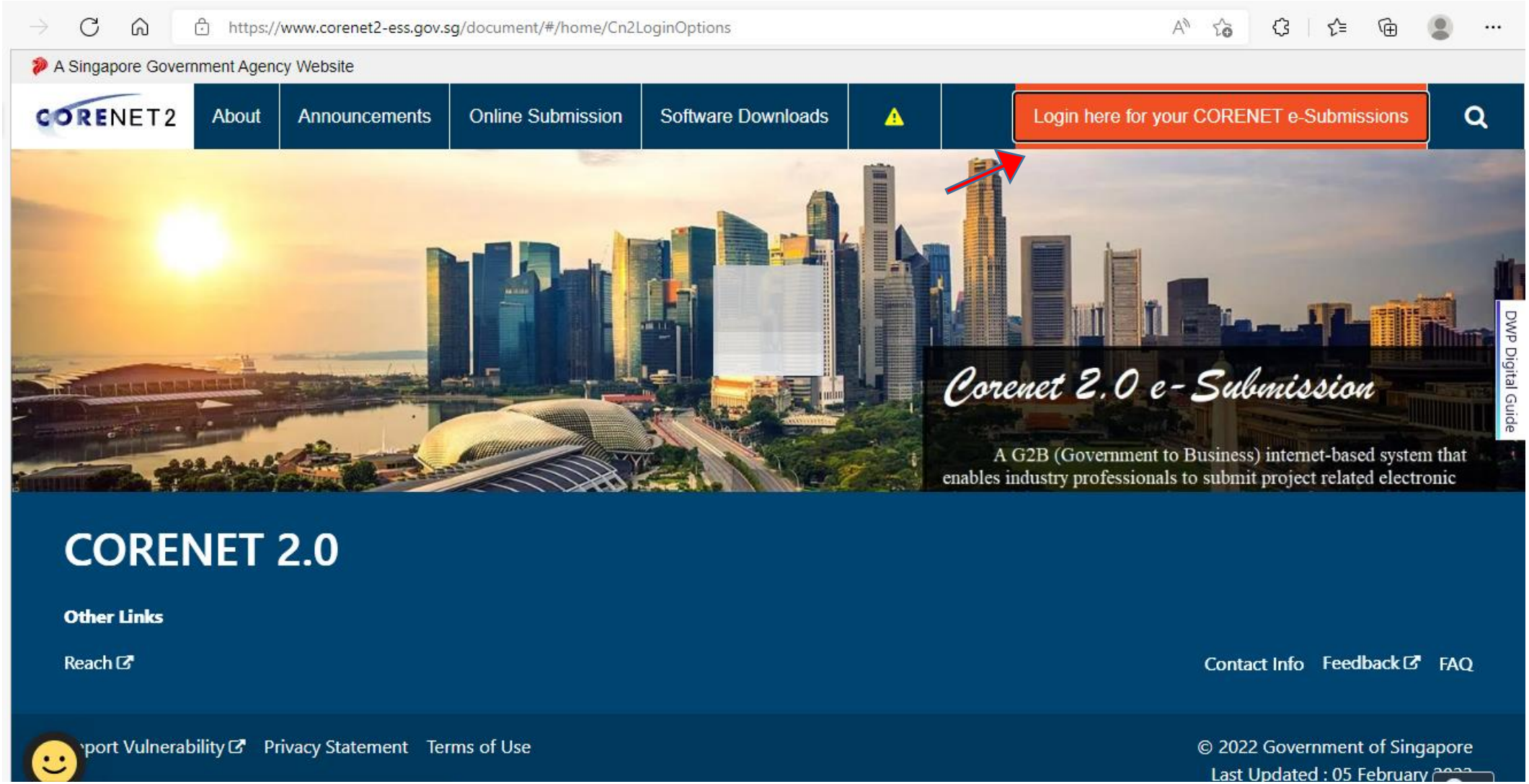
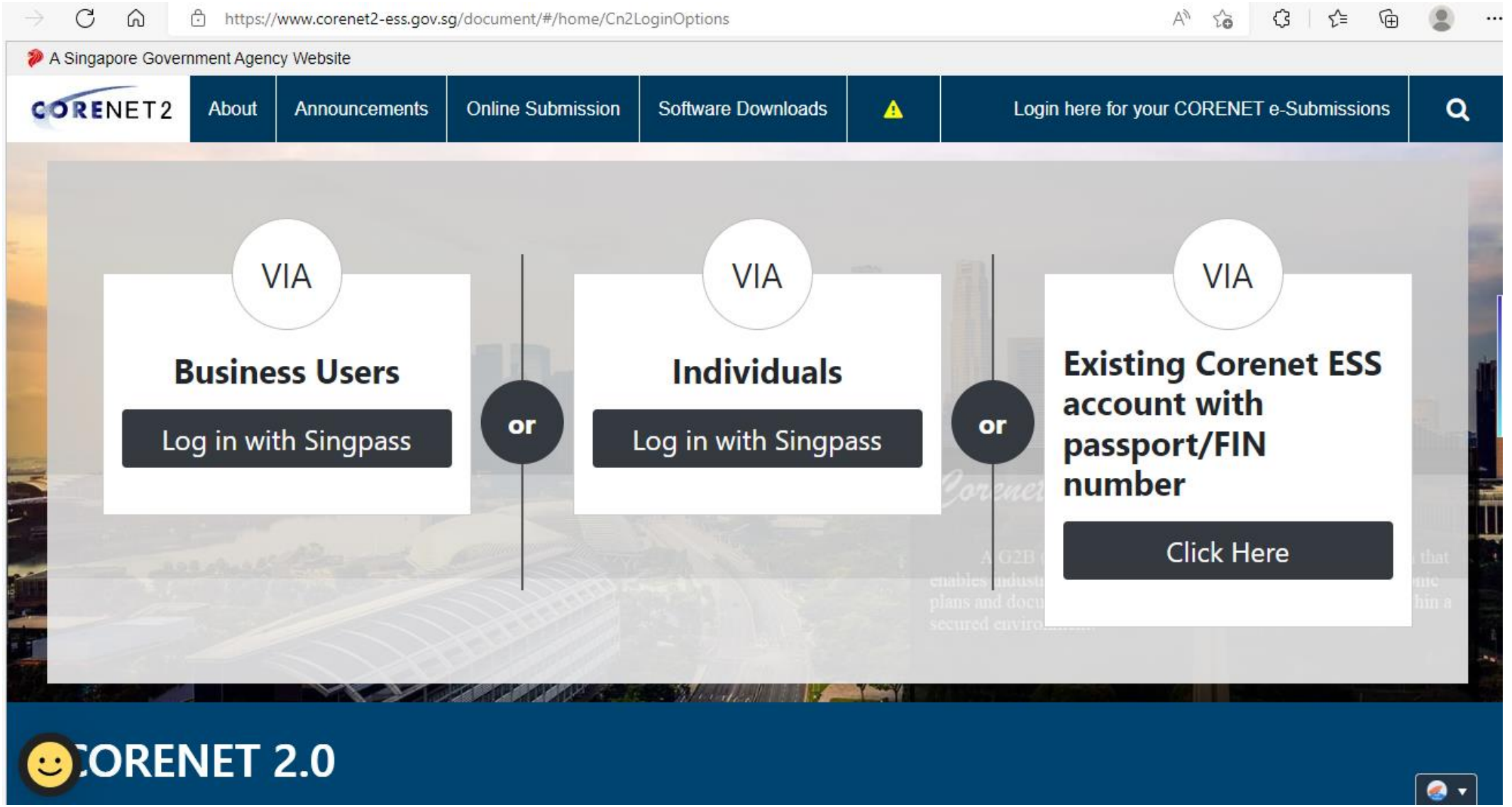
Periodic Energy Audit Submission
(CORENET 2.0)
Guide for PE and Energy Auditor

Dated 24 Aug 2022

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



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



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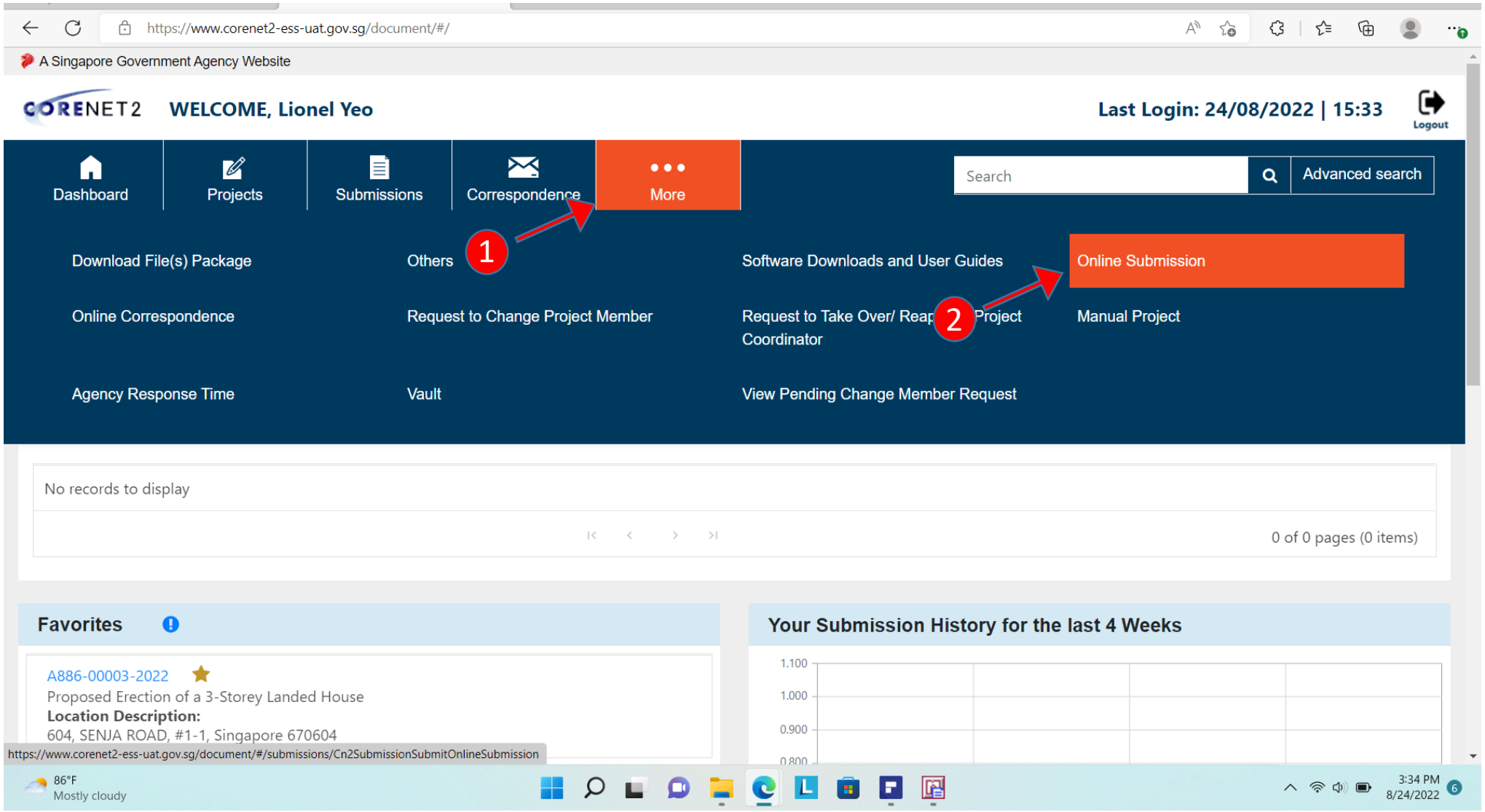
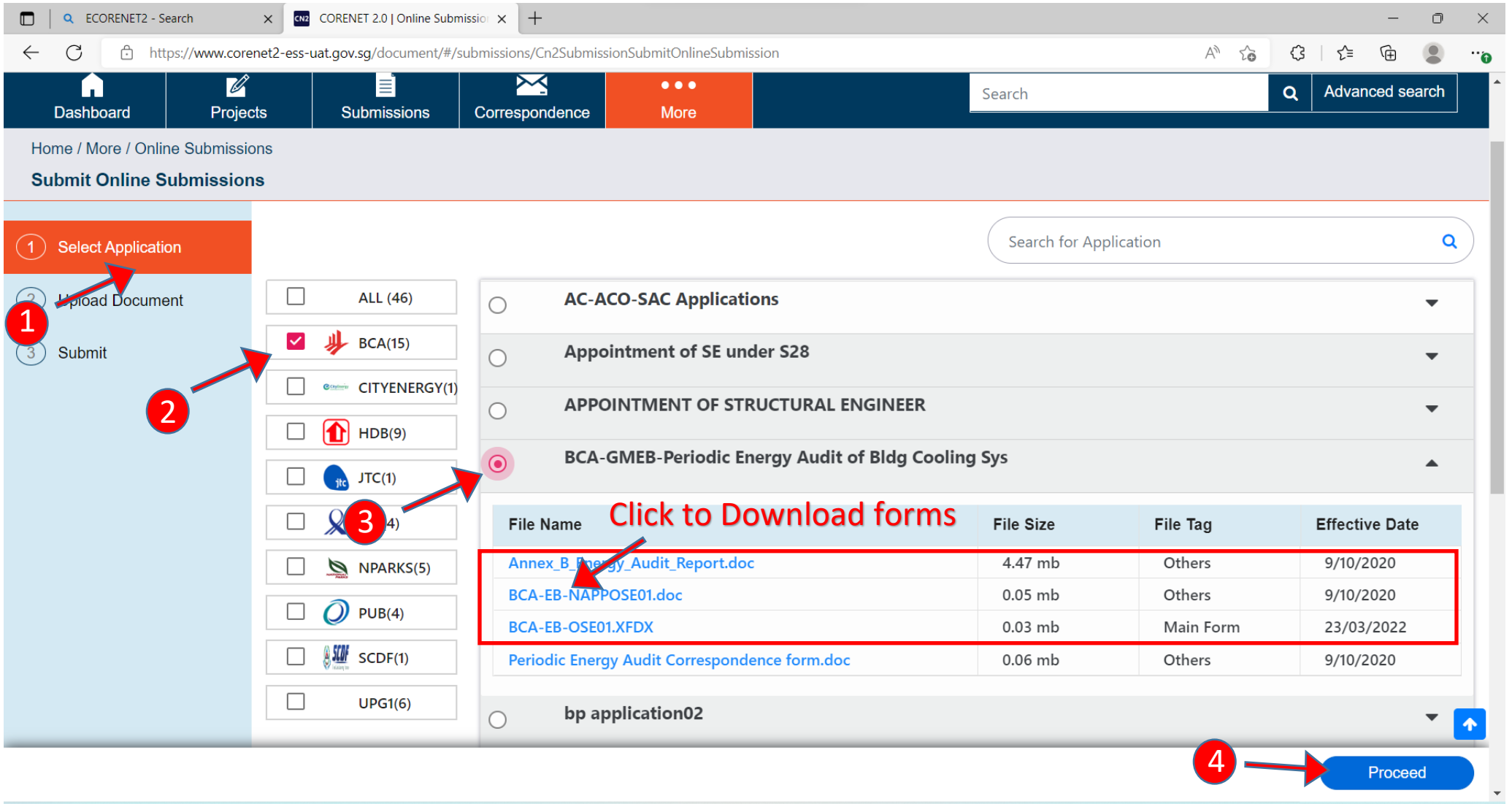


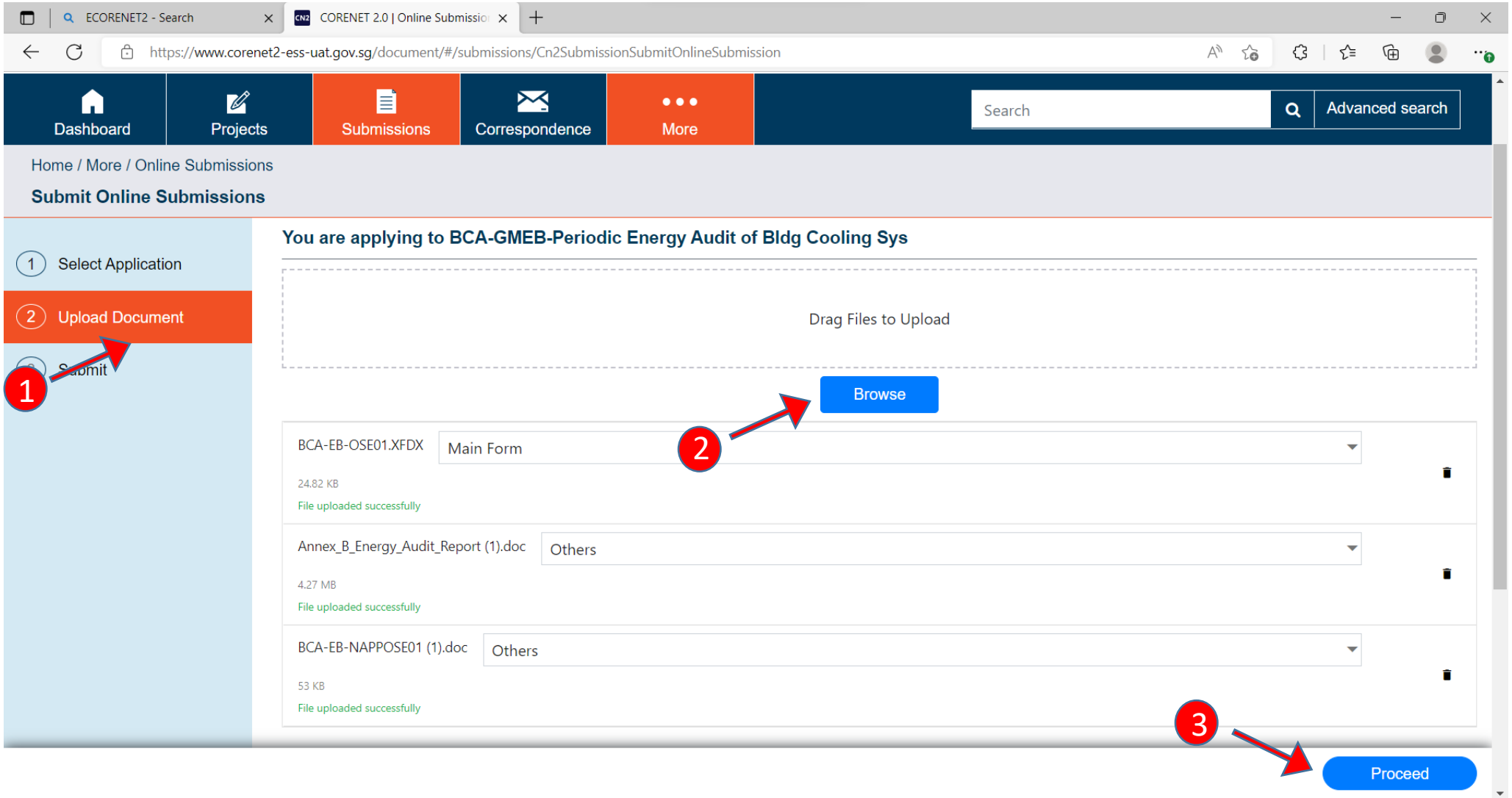
Download PEA Application Forms:-

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



Submit Application Forms:-

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



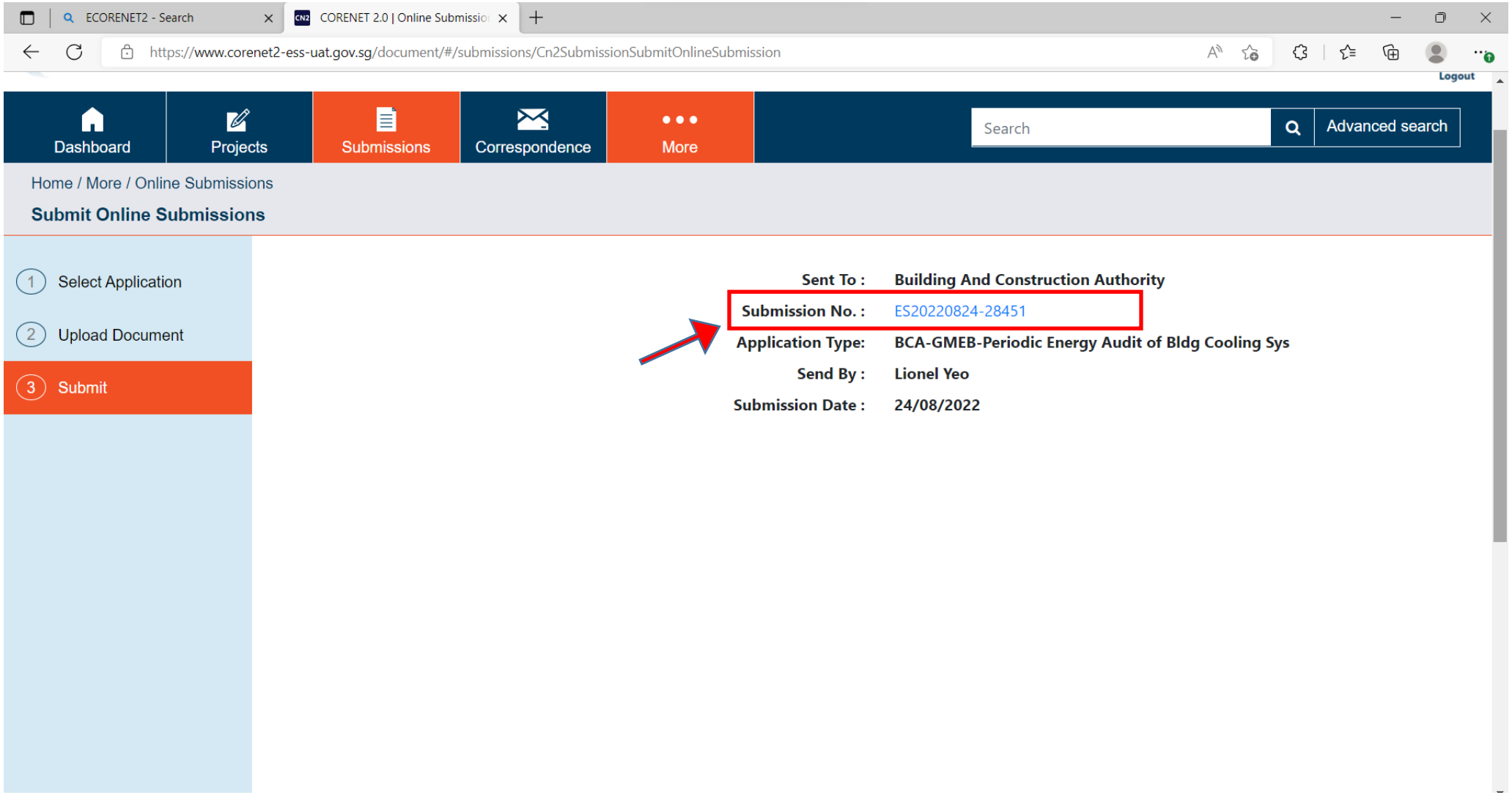
All required documents to be uploaded

☑ 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.

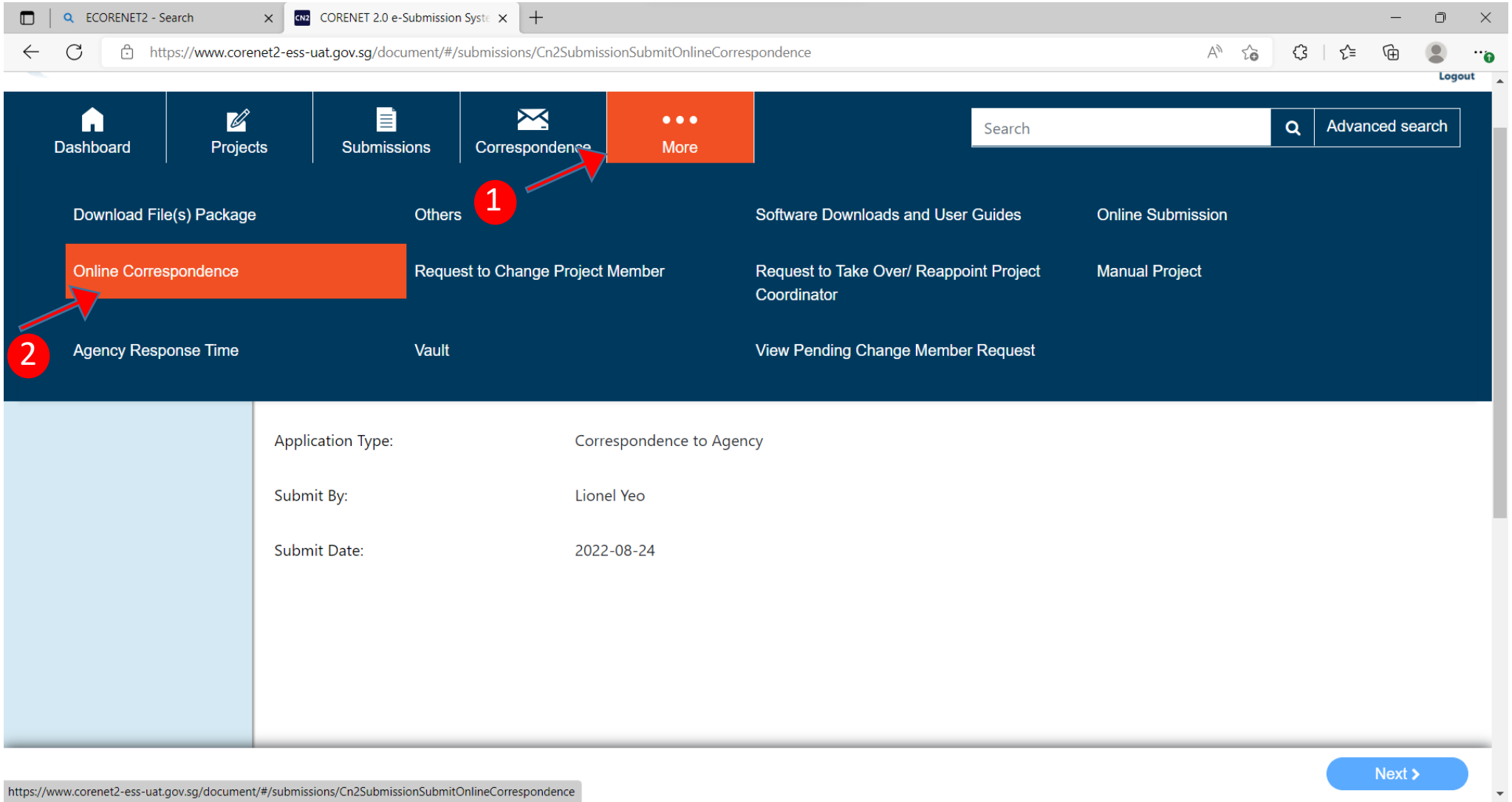
A submission number would be generated (ES number).

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

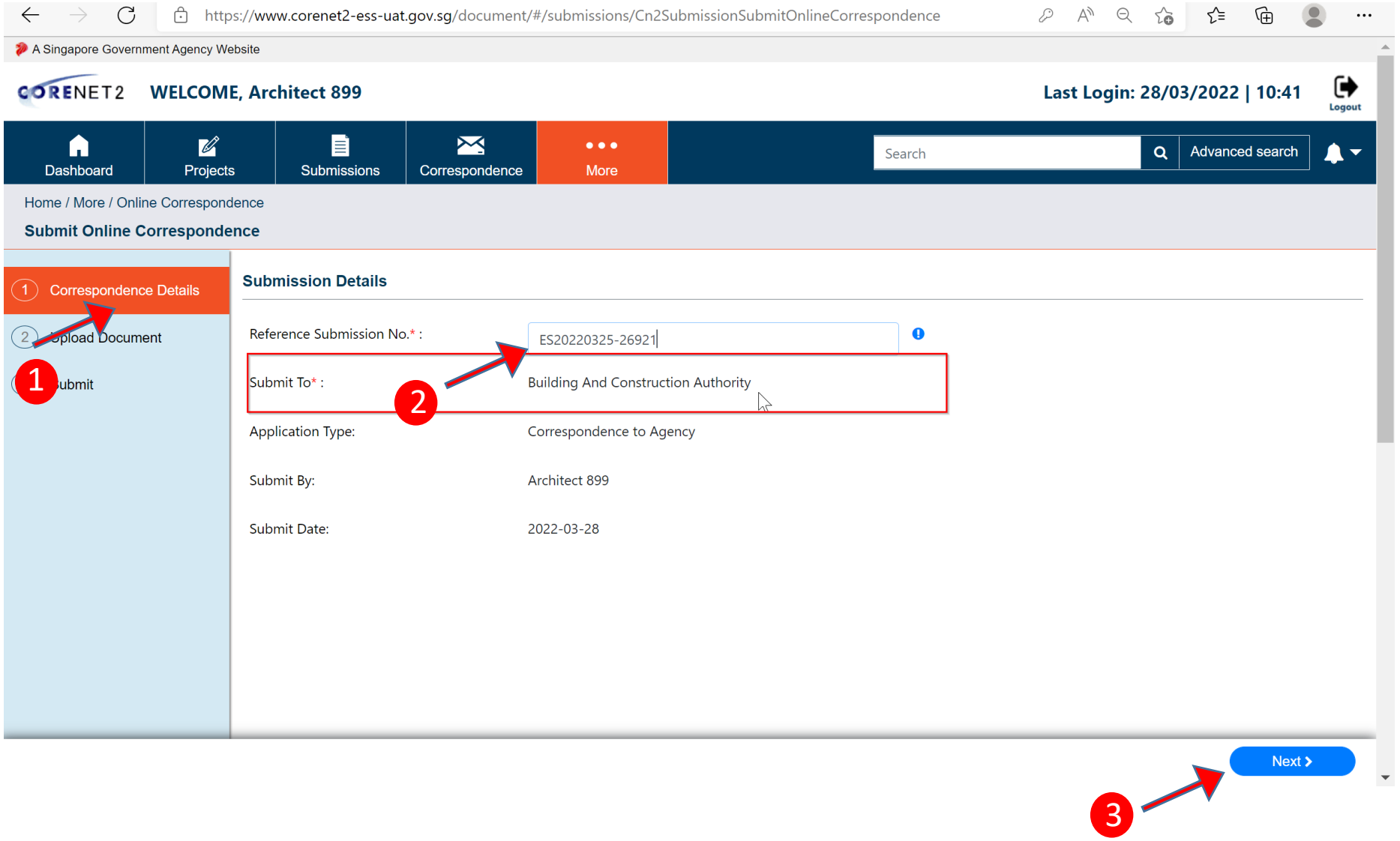


Submit Correspondence Reply to BCA : –

Go to More ➤ Select Online Correspondence



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



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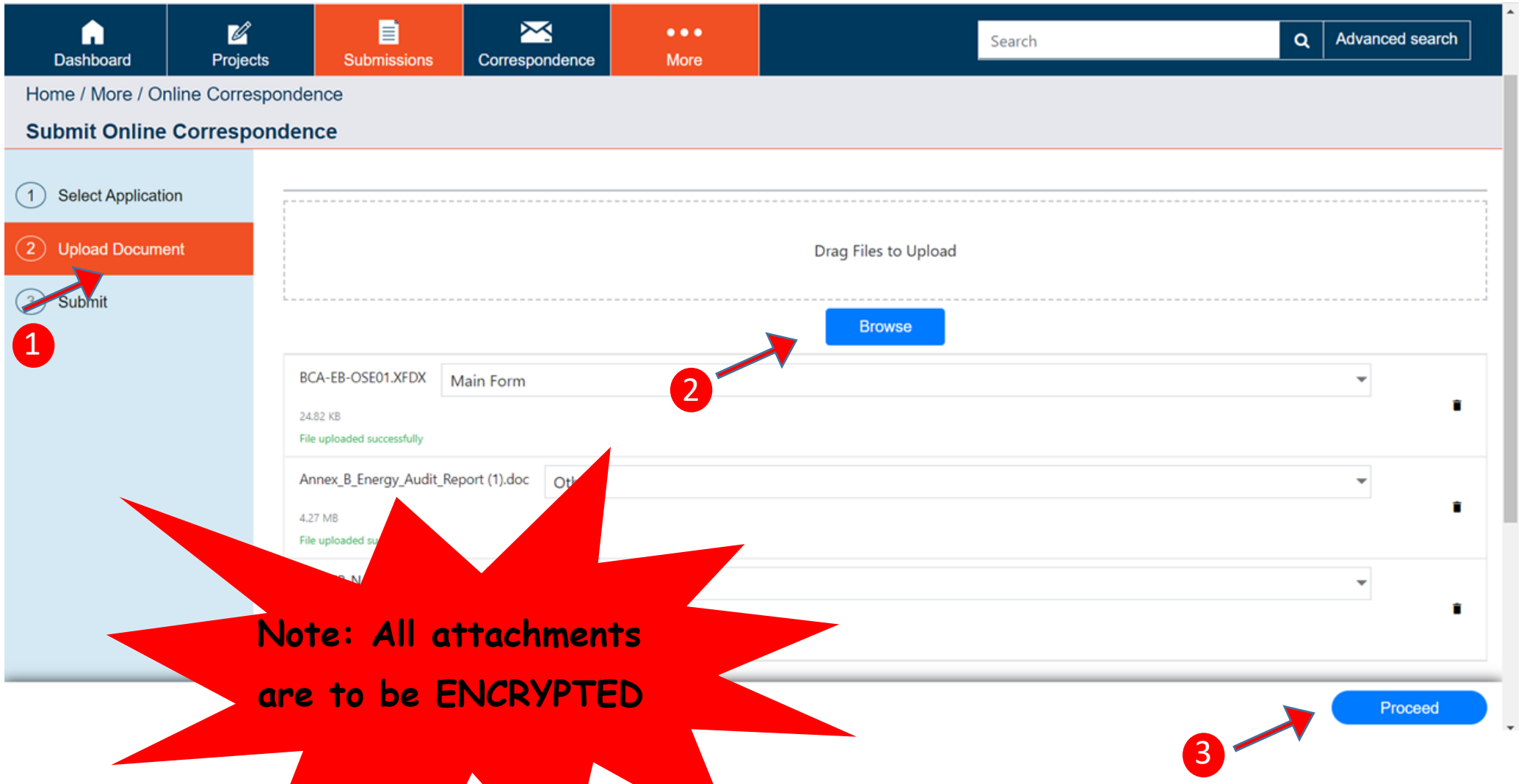
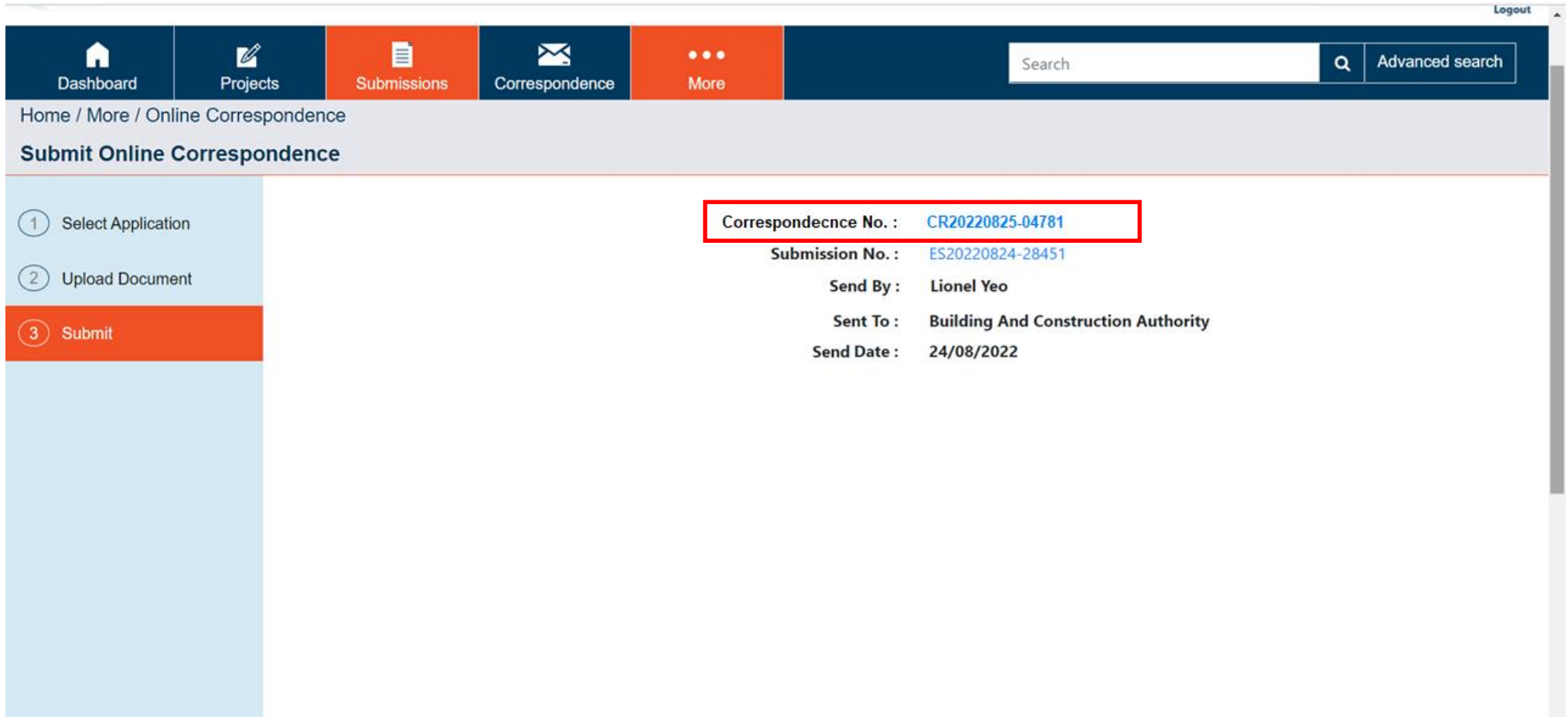
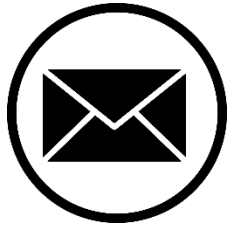


A correspondence number would be generated (CR number).



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

Tel: 63255901 – 63255906



ess-helpdesk@nova-hub.com

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