CORENET 2.0

webinar briefing – initial 2022

QP & Industry Professional

28th Mar · 29th Mar · 31st Mar · 1st Apr 2022

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Briefing Protocol

1. Please mute your devices during the briefing session
2. Feel free to raise any queries in the “Zoom Q&A” (DO NOT use Zoom Chat) throughout the briefing, we will answer them during Q&A time
3. During the Q&A time
   - Post your questions in the “Zoom Q&A” (DO NOT use Zoom Chat)
4. For more questions that you may have after the briefing session, you can reach out to our CORENET 2.0 Change Management Team at cn2cm@nova-hub.com

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

Agenda

- → Opening and Welcome
- → Overview of changes from e-Submission System CORENET 1.0 to CORENET 2.0
- → Preparing for CORENET 2.0 Onboarding
- → Demonstration on the new ESPro and CORENET 2.0 Portal
- → Q&A

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Opening and Welcome

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

Welcome to CORENET 2.0

- **CORENET** is a G2B web portal, introduced in 2001, that allows Industry Users to submit plans and documents electronically to the 16 participating regulatory agencies for regulatory approval throughout the entire property development life cycle. Based on a study in 2013, CORENET System has helped to save the construction sector approximately S$320 million from 2003 to 2012. It has also contributed to the **Singapore's sustained top ranking** in the World Bank's "Ease of Doing Business" global survey

- **CORENET has served the Built Environment Sector well over the last 20 years**

- **CORENET 2.0**, the upcoming system, is a major tech refresh of the current CORENET and seeks to improve the current user experience. It is part of a bigger plan to transform the regulatory approval landscape

Copyright @ Building and Construction Authority
Not to be reproduced without permission

CORENET 2.0

Transformation of CORENET

CORENET 1.0

- Current submission system since 2001

CURRENT

CORENET 2.0

- Upgraded system to improve efficiency
- Tech refresh providing better user experience and reduced number of forms
- Increased transparency for project status

UPCOMING

CORENET X

- Digital Transformation of CORENET
- Transforming user's experience from agency centric to customer centric
- Leveraging technologies to achieve Automation & Collaboration

FUTURE

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

CORENET 2.0 is Going Live Soon

CORENET 2.0 is targeting to to Go-Live by **TBA**

- CORENET 2.0 is undergoing the final phase of verifications, including involving partner QP/Industry Professionals to perform simulation runs verifications

- CN2 Team will be conducting a series of Change Management Engagements and Pre-Onboarding activities, to ensure the industry is ready

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

Overview of Changes

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

Key Features

- **Convenient** and **secured login process** through the use of Singpass
- **QP can appoint QP Assistant (QPA)** to prepare the submission package
- A **more intuitive design** through the use of dashboard and enhanced search function
- **Enhanced data quality** via automated validation of submission inputs in forms
- **Improved tracking** and **coordination** of applications and correspondences

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Overview of Changes
CORENET 1.0 to CORENET 2.0

Restricted / Non-Sensitive

System	New Features	Enhancement
ESPro	• **Smart forms** • User interface (new look & feel) • Search function • **Singpass login**	• Project and member creation • Auto synchronisation of forms • Send submission • Address books • One-click for multiple submissions
Form Viewer	• License key **not** required • Allowed to view both **CN2 (XFDX)** & **CN1 (XFD)** forms	
CORENET 2.0 Portal	• Singpass login (**for individual & business user)** • New **QP Assistant** functions • Project dashboard (**Last 4 weeks**) • Merging of e-info (**Circulars, Codes and Regulations, Events**)	• Withdraw Submission (standardised) • Change of member/Coordinator request (streamlined) • Download agency replies • Search & view project/ submissions • Project management

Copyright @ Building and Construction Authority
Not to be reproduced without permission

More Secure Login is Needed

CURRENT ISSUE: Current login mechanism in CORENET is outdated. Over the years, there are reported cases from the CORENET account users of unauthorized access

CORENET is a regulatory submission system and having a secure access is paramount

- Everyone accessing CORENET should do so using their individual credential. Going forward, **CORENET will onboard Singpass**
  - Singpass is Singapore Government's **trusted digital identity for all secure transaction needs** in our everyday life & serves to authenticate the identity of the person transacting online
  - It is now the **only login method for online corporate transactions** with more than 160 government digital services
- For **Corporate users**
  - Singpass user can be authorized to transact on behalf of their businesses at www.corppass.gov.sg
  - Corppass portal enables company administrators to specify the digital services that each employee can transact on the company's behalf
  - If an employee leaves, of if anomalous activity is detected in the user account, the administrator can act immediately to deactivate or block the user's access

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

SINGPASS

In alignment to the Smart Nation Singapore initiative, as with all new government e-services, Singpass will replace the current login mechanism

Singpass Login in CORENET 2.0

- The use of Singpass will enable the CORENET 2.0 to **authenticate** the **ID** of the professional accessing the system and making the transactions
- Singpass login will **NOT** allow CORENET 2.0 system or the authorities to have any access to your private information
- Where e-signing is required, the use of Netrust token is still being adopted

Singpass Business

- As CORENET 2.0 is a Government-to-Business system for industry professional to apply for regulatory approval, the professional accessing the system is doing so in the capacity as a business user and hence the **recommended login** will be via **Singpass Business**
- Singpass Business login will allow the system to create **audit records** for activities and actions taken (such as Project Info update, Submission, etc.) for both the Singpass ID as well as UEN (the company the user is representing)

Copyright @ Building and Construction Authority
Not to be reproduced without permission

SINGPASS IDs in CORENET 2.0

NRIC

Singapore NRIC

- QP or Industry Professional practising in Singapore
- Singaporean/ Singapore PR

FIN

Foreign Identification Number

- QP or Industry Professional practising in Singapore
- Employment Pass or S-Pass

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

Singpass Individual vs Business vs Corppass

Singpass Business vs Corppass

- Singpass Business has replaced Corppass
- Singpass Business is “riding” on top of Singpass Individual

Singpass Business vs Singpass Individual

- Singpass login credential only contains Singapore ID information
- Singapore Business login credential contains both Singapore ID and UEN information

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

CORENET 2.0

QP Assistant (QPA)

CORENET 2.0 introduces QP Assistant (QPA), who could assist to prepare submission package for QP

QP will assign the QP Assistant (QPA) in CORENET 2.0 Portal

Once done, QPA could assist QP to register project, manage project details, prepare submission draft package, etc. for QP

- Able to perform **ALL** QP actions **except Submission**

*QPA is assigned to the QP NOT the QP firm, project's access right (except Submission) is following QP

QP

QP can do the following

- ✓ Register project
- ✓ Manage project details
- ✓ Prepare submission drafts package
- ✓ E-sign documents
- ✓ Collect Agencies' replies

QP Assistant (QPA)

QPA can do the following:

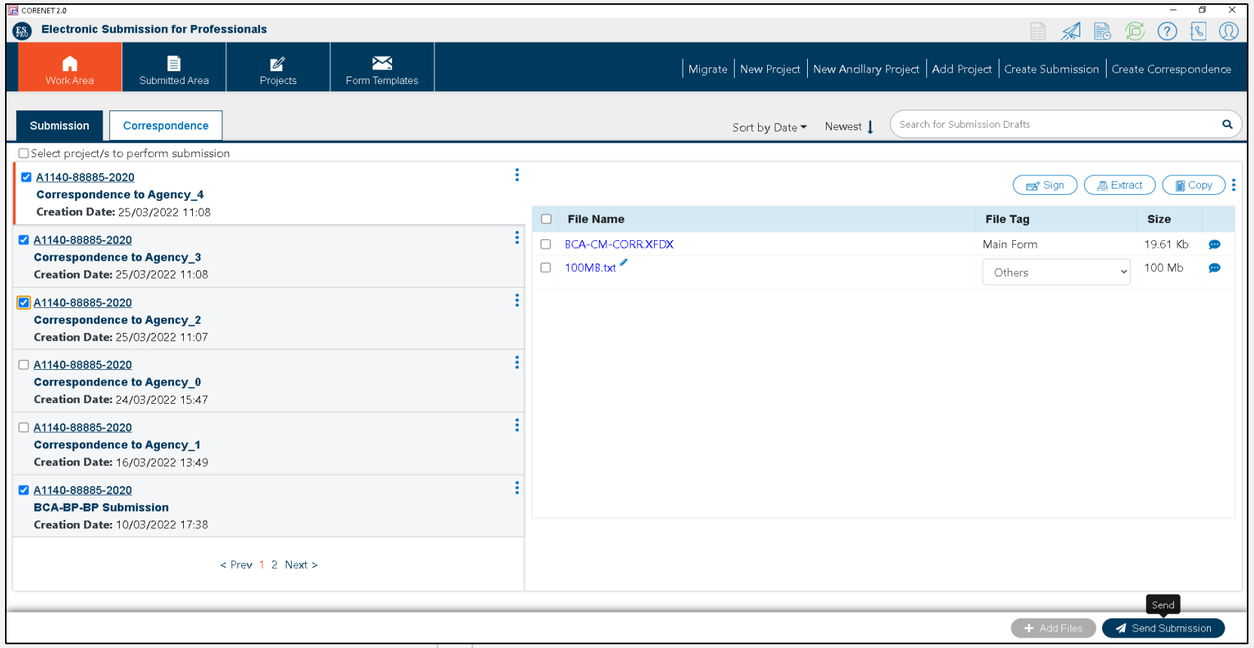
- ✓ **All** QP functions

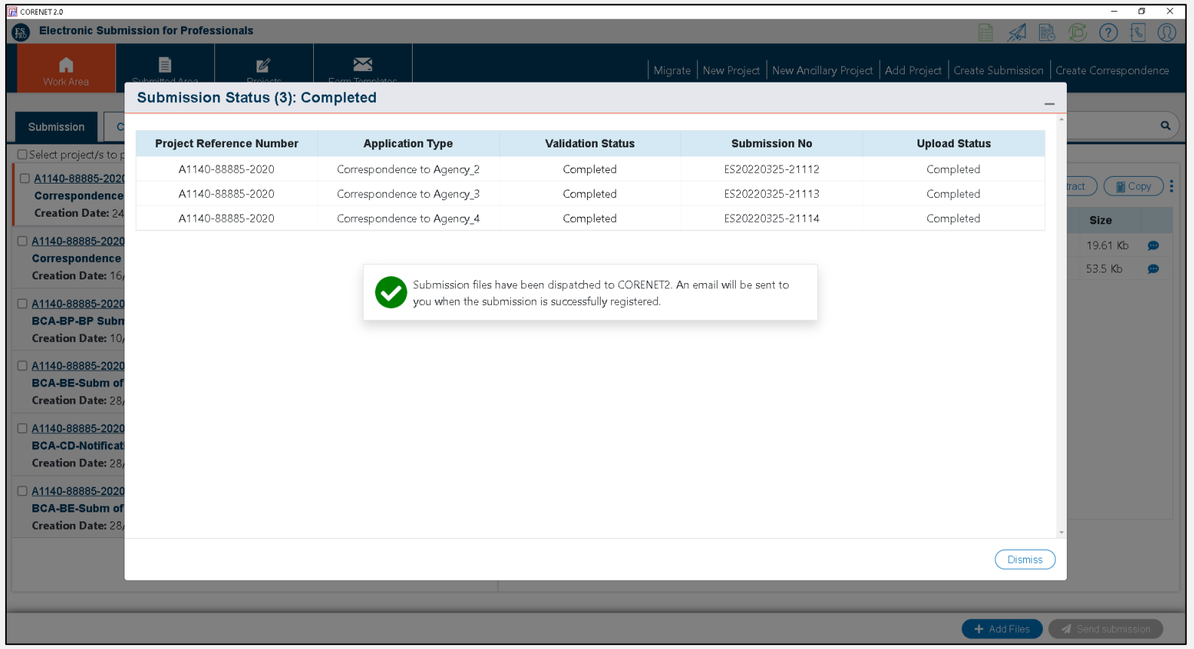
***EXCEPT Submission and QPA Assignment function**

Copyright @ Building and Construction Authority
Not to be reproduced without permission

New ESPro – One Click

One Click will be available upon **CN2 go-live**





Copyright @ Building and Construction Authority
Not to be reproduced without permission

New XFDX Forms

CORENET 2.0 will be introducing XFDX form. With CN2 XFDX form, QP/IP firms will no longer have any restriction of number of installation of Form Viewer, as long as it's for the purpose of CORENET

CORENET 1.0 forms vs CORENET 2.0 forms

- CORENET 1.0 PureEdge (XFD) and EDA forms will be changed to CORENET 2.0 XFDX forms
- Specific to individual Agency, XFDX forms will be rolling out by either CN2 Go-Live or towards end-July 2022

XFDX forms features

- Auto population of forms data
- Web service validations – for upfront validation during form filling, reducing chances of rejected applications by Agencies

Supports XFD forms

- CORENET 2.0 Form Viewer is supports viewing of both XFD as well as XFDX

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

CORENET 2.0 CN1 and CN2 Form Samples

XFD Form Sample

Page 1 of 6

Building and Construction Authority

We shape a **safe**, **high quality**, **sustainable** and **friendly** built environment.

Print this page

BCA-BP-BPAPPV01

APPLICATION FOR APPROVAL OF BUILDING PLANS

[Section 5/ Section 5A of the Building Control Act (Cap.29)]

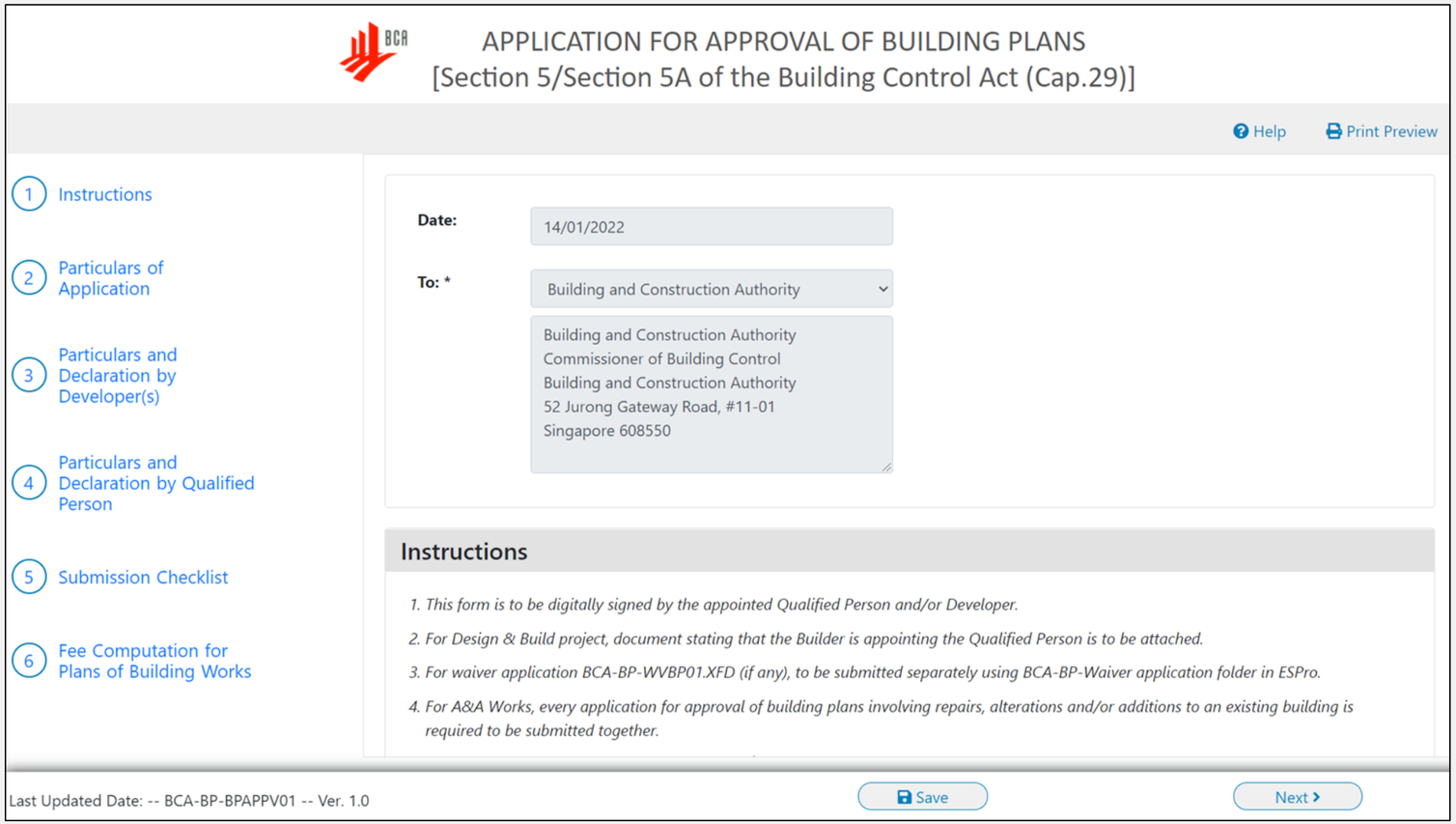
Date: 14/01/2022

To: Please Select

Instructions

1. *This form is to be digitally signed by the appointed Qualified Person and/or Developer.*
2. *For Design & Build project, document stating that the Builder is appointing the Qualified Person is to be attached.*
3. *For waiver application BCA-BP-WVBP01.XFD (if any), to be submitted separately using BCA-BP-Waiver application folder in ESPro.*
4. *From 1 July 2013, all architectural plans with 1st application for planning permission dated on or after 1 July 2013, for new developments with gross floor area (GFA) of 20,000 sq. m. and above are required to be submitted in BIM format for approval.*
5. *From 1 July 2015, all architectural plans with 1st application for planning permission dated on or after 1 July 2015, for new developments with gross floor*

XFDX Form Sample



APPLICATION FOR APPROVAL OF BUILDING PLANS
[Section 5/Section 5A of the Building Control Act (Cap.29)]

Help | Print Preview

1. Instructions
2. Particulars of Application
3. Particulars and Declaration by Developer(s)
4. Particulars and Declaration by Qualified Person
5. Submission Checklist
6. Fee Computation for Plans of Building Works

Date: 14/01/2022

To: * Building and Construction Authority

Building and Construction Authority
Commissioner of Building Control
Building and Construction Authority
52 Jurong Gateway Road, #11-01
Singapore 608550

Instructions

1. *This form is to be digitally signed by the appointed Qualified Person and/or Developer.*
2. *For Design & Build project, document stating that the Builder is appointing the Qualified Person is to be attached.*
3. *For waiver application BCA-BP-WVBP01.XFD (if any), to be submitted separately using BCA-BP-Waiver application folder in ESPro.*
4. *For A&A Works, every application for approval of building plans involving repairs, alterations and/or additions to an existing building is required to be submitted together.*

Last Updated Date: -- BCA-BP-BPAPPV01 -- Ver. 1.0 | Save | Next ›

Copyright @ Building and Construction Authority
Not to be reproduced without permission

XFDX Forms Rollout

Agencies	Go-Live	Post Go-Live
BCA	XFD	XFDX
URA	EDA, XFD	XFDX
SCDF	XFDX	
LTA	XFDX	
NEA	XFD	XFDX
NParks	XFD	XFDX
JTC	XFDX	
PUB	XFDX	
HDB	XFDX	
IMDA	XFDX	
SFA	XFDX	
City Energy	XFDX	

Agencies' Forms Rollout

- Agencies' forms rollout approach and timeline: Go-Live & Post Go-Live

Form Changes

- Details of form changes can be downloaded from the CORENET 2.0 Resource Hub https://cn2resourcehub.com

Copyright @ Building and Construction Authority
Not to be reproduced without permission

CORENET 2.0 Onboarding

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

CN2 Rollout Activities

Activity	Start Date	End Date
Webinar Briefing (Initial) to the Industry	28 Mar 2022	01 Apr 2022
Webinar Briefing (Update) to the Industry	11 Apr 2022	15 Apr 2022
QP/Industry Professional Pre-Onboarding Period	18 Apr 2022	29 Apr 2022
System Cutover	*TBA	TBA
Go-Live	**TBA**	**-**

*CORENET 1.0 will be available to submit until cut-off time of 9pm, TBA; Submission is required to be completed by 9pm

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Transition Preparations

In any system upgrade, there are always efforts involved to transit, the CN2 Team is here to help and minimise the impacts

CN1 Accounts

- System Migration from CORENET-1
  - 90% of the active CN1 accounts will be directly system migrated to CN2
  - Email will be sent to QP upon successful creation of his/her CN2 account

QPA

- Pre Onboarding – QPA Registration
  - There will be pre-onboarding exercise for QPA registration, 2 weeks before CN2 go-live. This will be done via new CORENET-1 function

QPA Assignment

- Pre Onboarding – QPA Registration
  - This will be performed together with QPA Registration pre-onboarding exercise

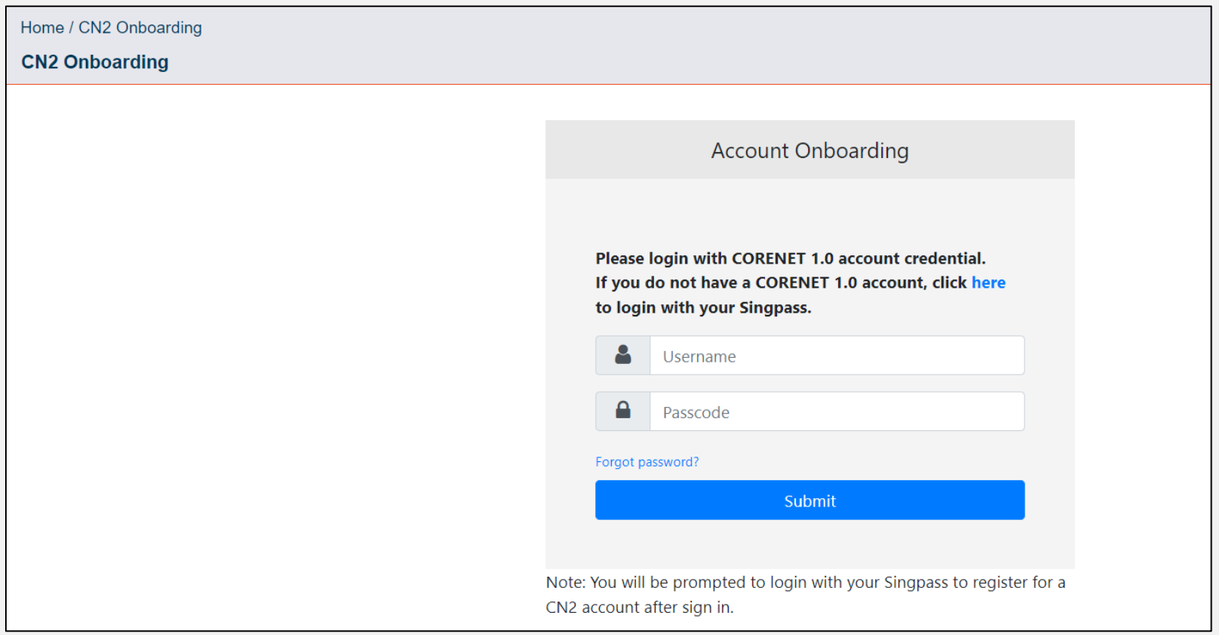
Singpass

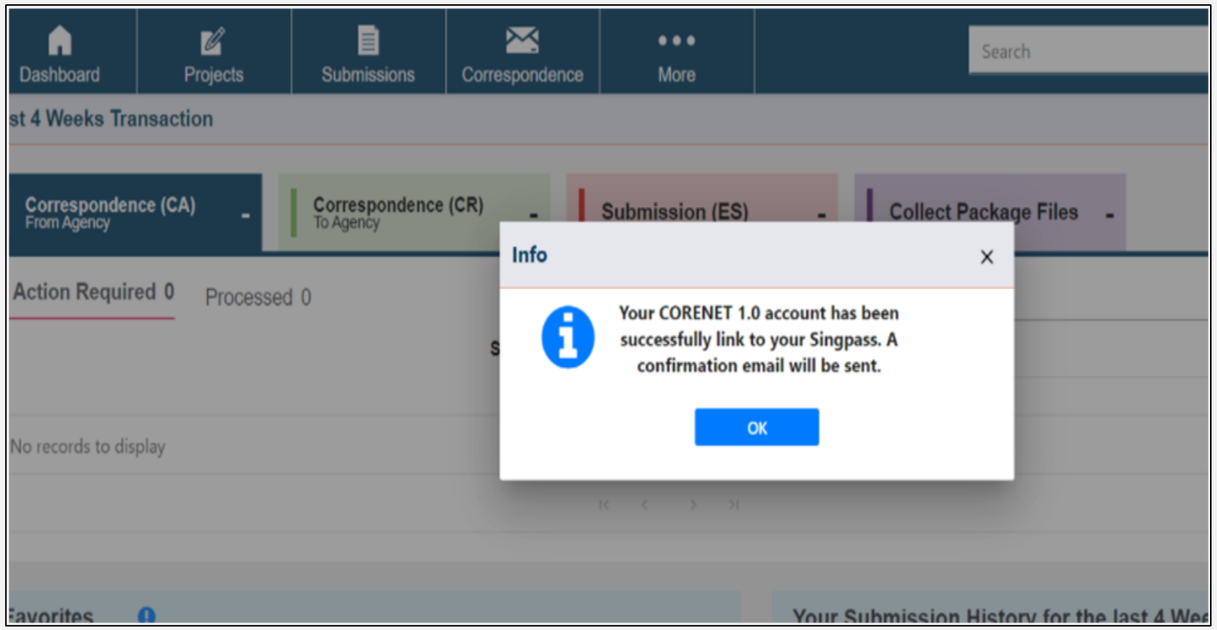
- Corppass Admin – Assigns Singpass Business accounts
  - Assigns Singpass Business for CN2 users
  - Assigns CORENET-2 e-service to the Singpass Business accounts

Copyright @ Building and Construction Authority
Not to be reproduced without permission

CN2 Onboarding Function

CN2 Onboarding Function provides CN1 accounts reconciliation. For users that might have CN1 accounts registered with Passport No.





Copyright @ Building and Construction Authority
Not to be reproduced without permission

Pre-Onboarding for CN1 Users

Pre-Onboarding period starting from 18th April to TBA will allow the QP/IP/QPA to perform various pre-onboarding activities to reduce over-congested onboarding activities upon CN2 go-live

QPA Registration

- QP to login and register the QP Assistants (QPA) in CORENET 1.0
- Registration can be done from 18th April to TBA

Downloading of CN2 Software

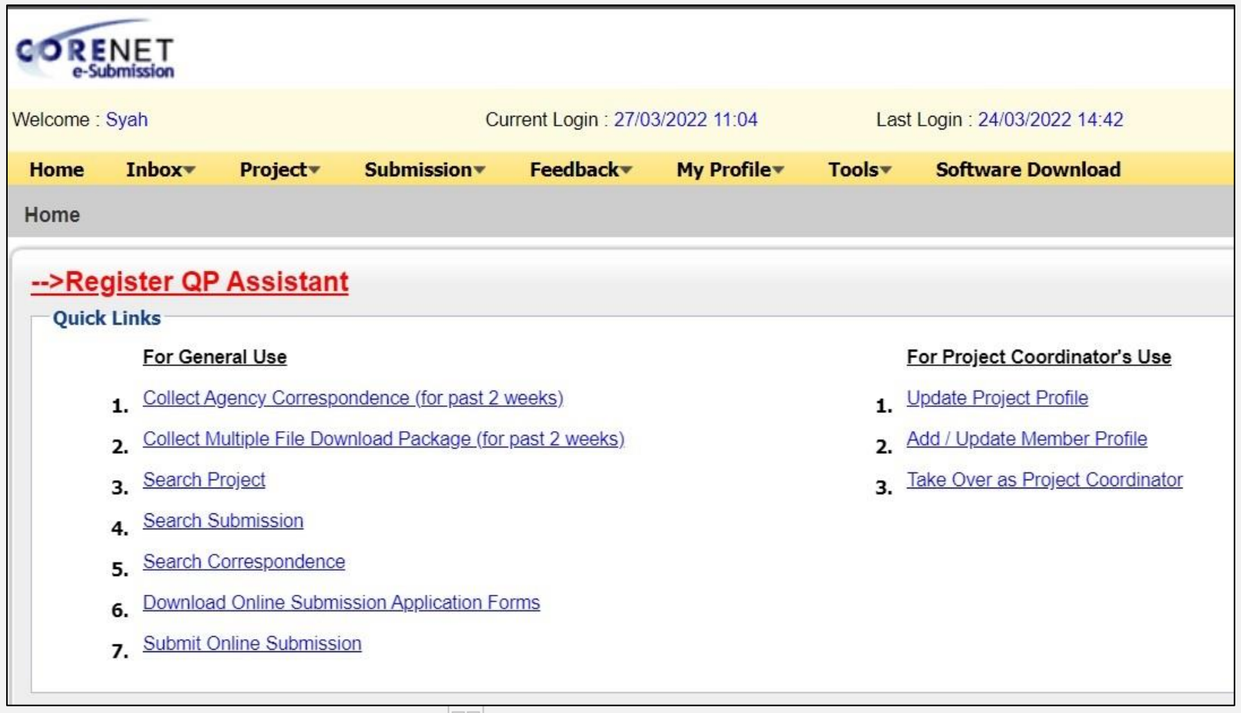
- New CN2 Software: ESPro, Form Viewer & the updated ver. of Netrust Digital Signer
- To ease the steps, CN2 ESPro installer embedded with CN2 Form Viewer and Netrust Digital Signer. Download and Installation can be done from 18th April to TBA

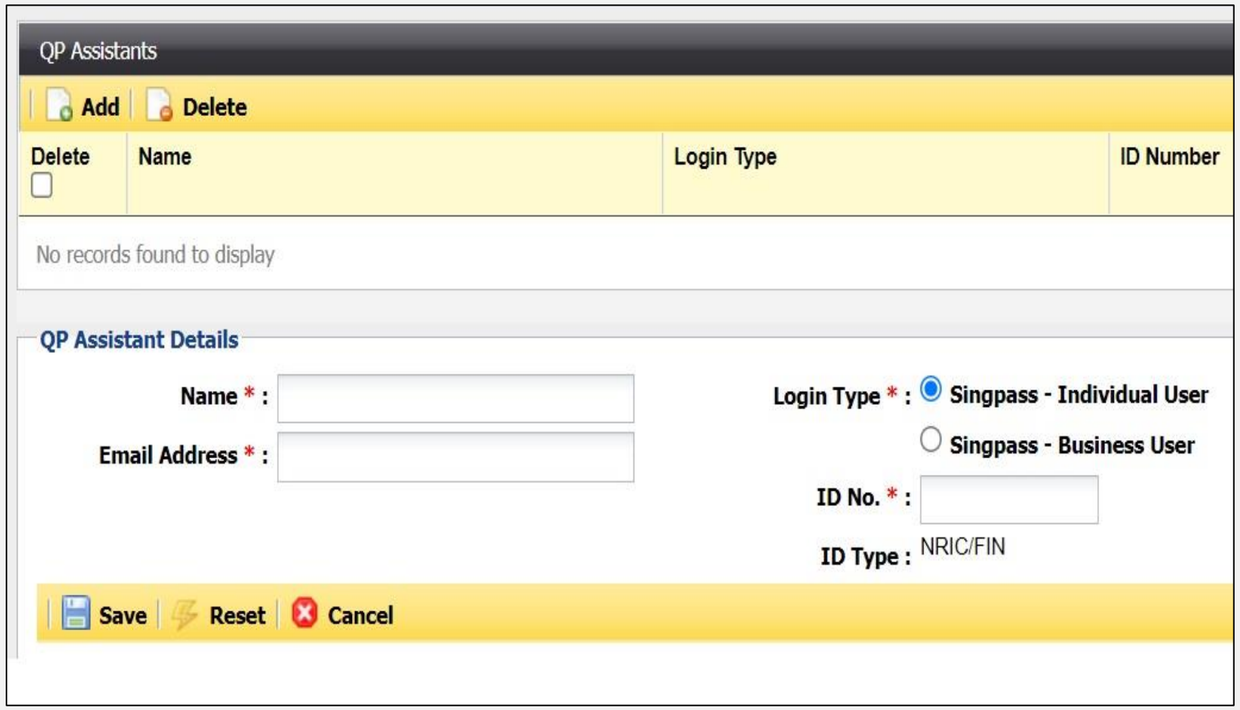
Copyright @ Building and Construction Authority
Not to be reproduced without permission

CORENET 2.0

Pre-Onboarding QPA Registration

QP can do Register QPA via CORENET 1.0 Portal during Pre-Onboarding Period





Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

CN2 Onboarding for NEW Users

To onboard CN2, these are the 4 broad steps to take for NEW users

1. Get ready with Singpass Business for the new user
2. QP login account in CORENET 2.0
3. QP assigns QPA
4. QPA login account in CORENET 2.0

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

CORENET 2.0

Onboarding for ALL CN2 Users

Preparing to access the system

To run the new system smoothly, you will need to accomplish a few steps. It's recommended to complete them before the transition to CORENET 2.0

1

Prepare your devices

Operating system for CORENET 2.0 ESPro:
- Windows 10 & above

Browsers for CORENET 2.0 Portal:
- Microsoft Edge
- Google Chrome

2

Download and install the following programs

- CORENET 2.0 ESPro
- Form Viewer
- Netrust Digital Signer

Detailed instructions can be downloaded from the CORENET 2.0 Resource hub

3

Make sure you set up your access

- For existing CORENET 1.0 users previously registered with FIN/Passport details in CORENET 1.0, to perform the CORENET 2.0 onboarding
- For Corppass administrator, register CORENET 2.0 e-service in Corppass Portal and assign your users to CORENET e-service

For Individual & Business Users, sign in using

singpass

4

Use Netrust token for E-Signing and Singpass for Submission (QP)

NETRUST
YOU CAN BE SURE

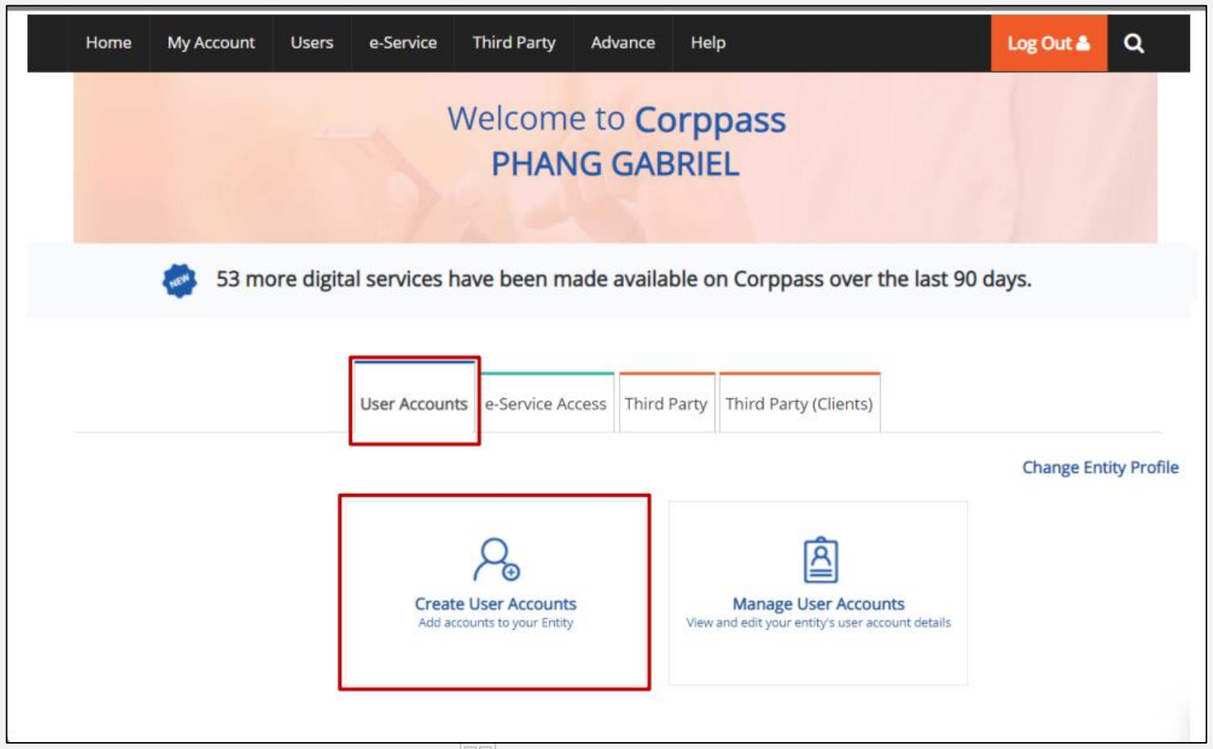
singpass

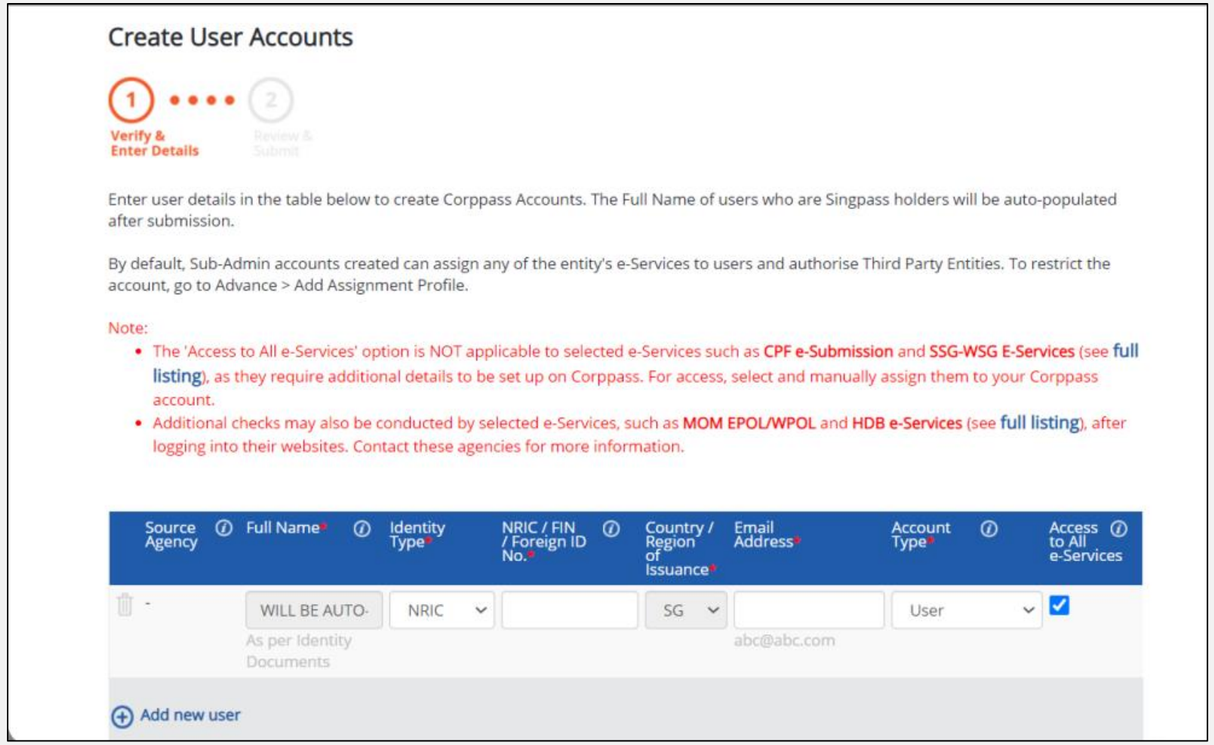
Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

STEP 1
Assigning Singpass Business to CN2 Users

Corppass administrator can easily assign Singpass Business to CN2 Users with the below step in Corppass portal



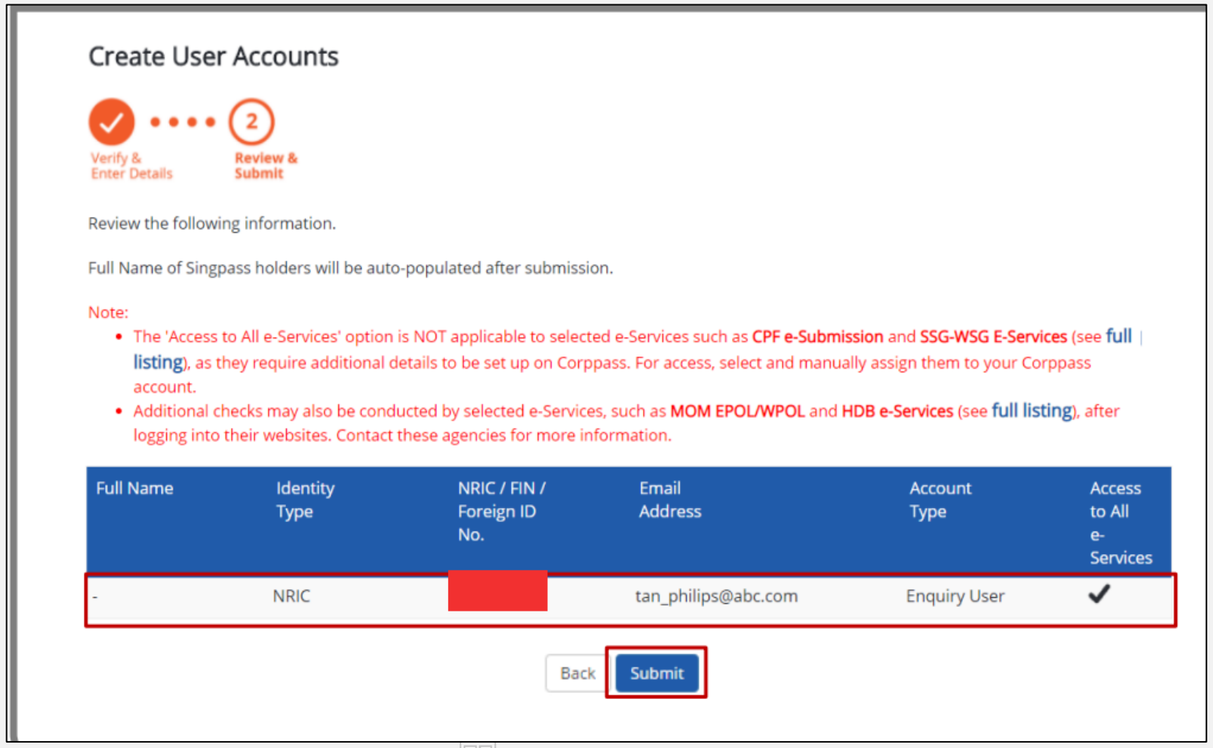


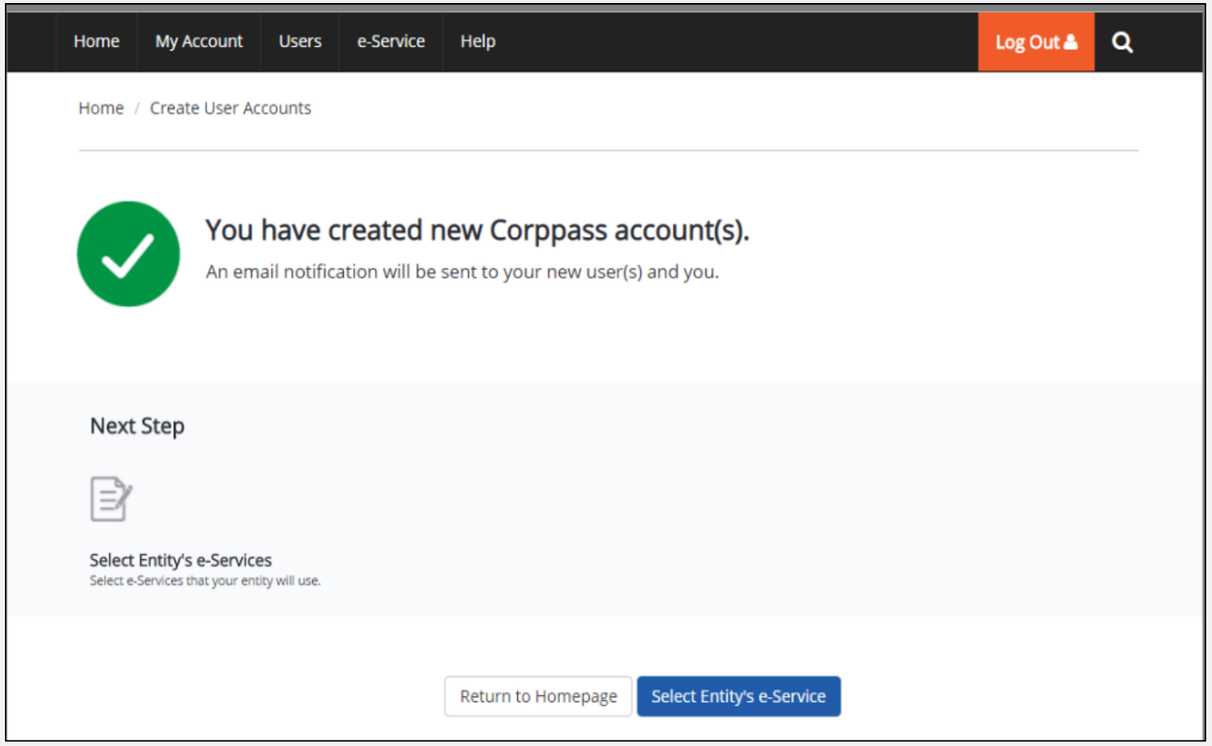
Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

STEP 1
Assigning Singpass Business to CN2 Users

Corppass administrator can easily assign Singpass Business to CN2 Users with the below step in Corppass portal



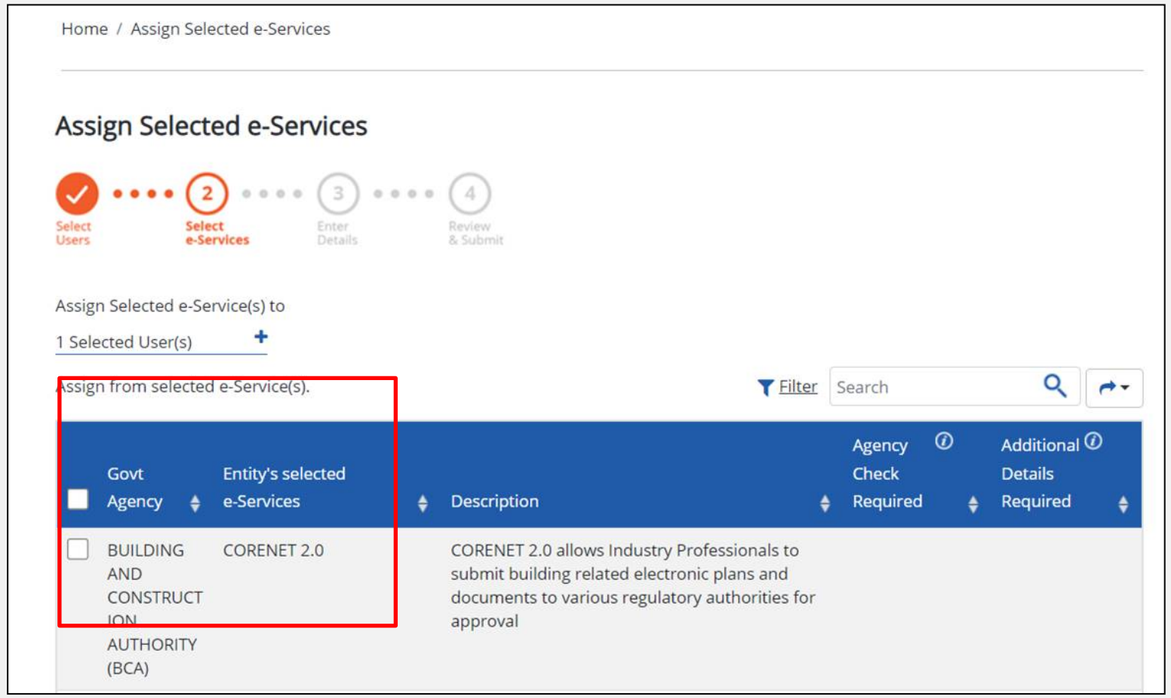


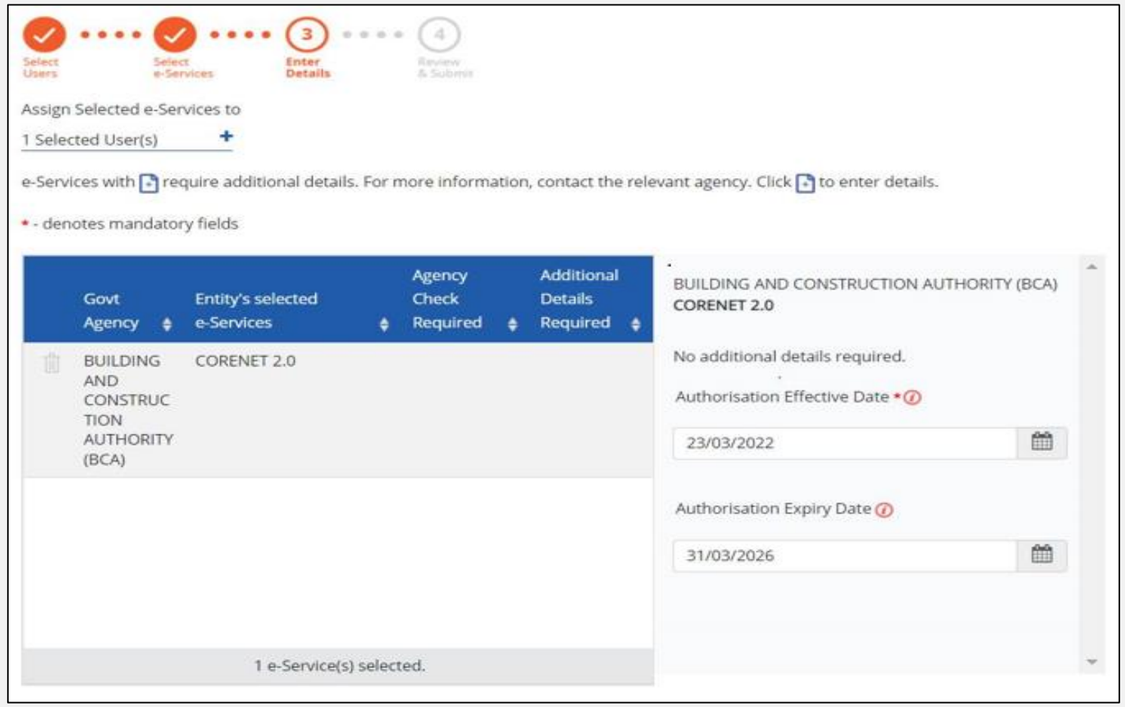
Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

STEP 2
Assigning e-Service To Business Users

Corppass administrator can assign e-Service to multiple users with the below step in Corppass portal



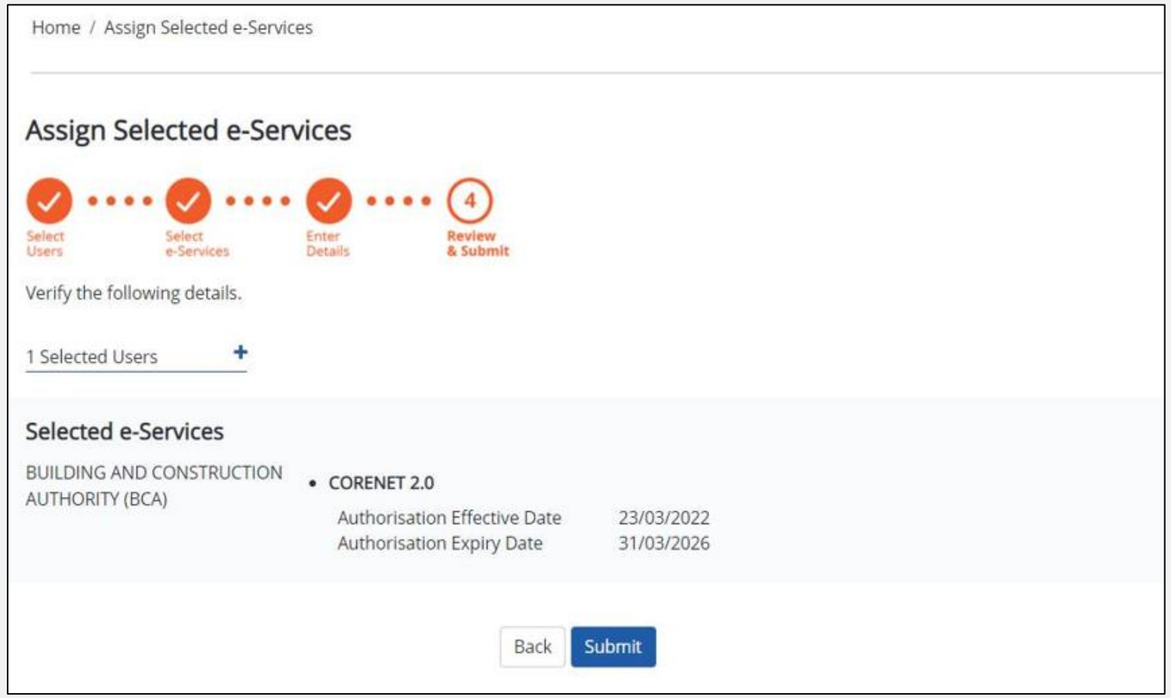


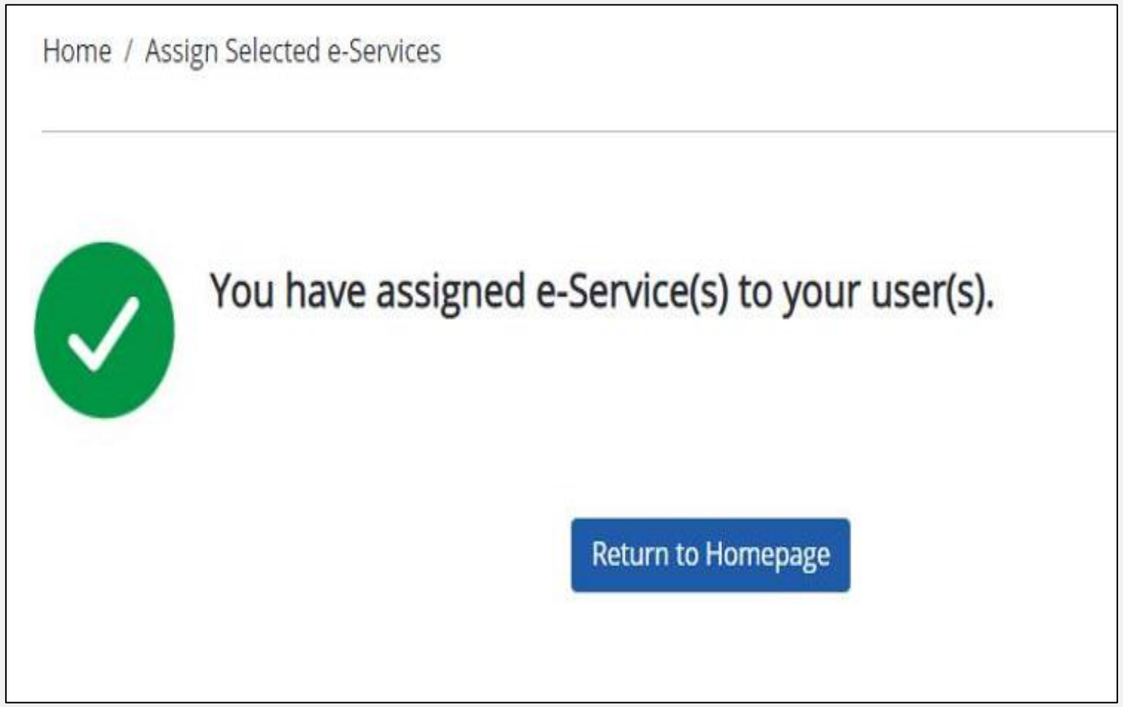
Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

STEP 2
Assigning e-Service To Business Users

Corppass administrator can assign e-Service to multiple users with the below step in Corppass portal





Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

CORENET 2.0 Supports

CN2 Team is here to provide you the supports

Helping you stay on top of the transition

Announcements

Stay tuned for any updates on the CN2 Go-Live by regularly checking your email, the CORENET 1.0 Portal, and CORENET 2.0 Resource Hub; Also, Webinar Briefing (Final)

Preparing you to use the system

User Guides

User guides is available at the CORENET 2.0 Resource Hub

FAQs

Frequently asked questions is available at the CORENET 2.0 Resource Hub

Supporting you in the transition

Post-Live Support

There will be Operation Support Service to the Industry

Readiness Checklist

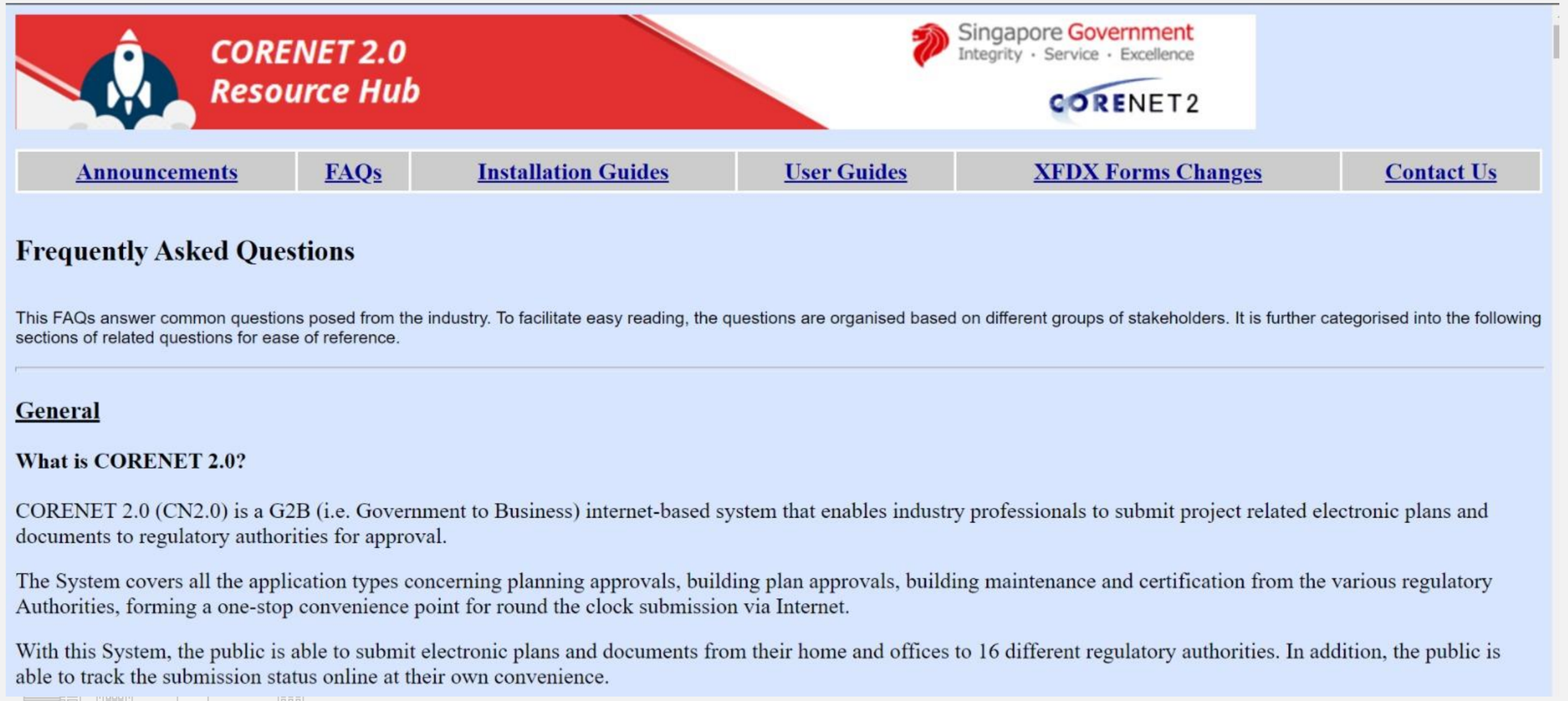
Readiness Checklist will be available at the CORENET 2.0 Resource Hub

CORENET 2.0 Resource Hub

Copyright @ Building and Construction Authority
Not to be reproduced without permission

CORENET 2.0 Resource Hub

CN2 Team is here to provide you the supports



Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

Support Information

For CORENET 2.0 related queries, please contact:
CORENET 2.0 Operations Support
Contact No: 63343574
Email: cn2cm@nova-hub.com
Operating Hours: 9.00am – 6.00pm (Mondays – Fridays, excluding Public Holidays)

For Netrust related queries, please contact:
Netrust Support
https://www.netrust.net/contact-us
Contact No: 62121388
Operating Hours: Monday – Friday: 9am – 5pm

Copyright @ Building and Construction Authority
Not to be reproduced without permission

CORENET 2.0 **DEMO**

ESPro
Online Portal

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Questions & Answers

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

DEMO – ESPro & Online Portal

TOPICS

- → QPA Registration
- → Logging in using Singpass
- → Manage QPA from CN2 Portal
- → Register Project
- → Create Submission and Correspondence (CR)
- → Cn2 Portal Dashboard
- → Update Project Profile and Member Detail

Copyright @ Building and Construction Authority
Not to be reproduced without permission

Restricted / Non-Sensitive

Q&A – Common Questions

Common Questions

- → Presentation/Slides send to audiences?
- → QPA to QP or QP Firm?
- → Multiple QPA to QP and/or Multiple QP to QPA
- → E-signing still with Netrust?
- → What if QP not available?
- → What happened if firm without UEN or QP operates without a firm?

Copyright @ Building and Construction Authority
Not to be reproduced without permission