



CORENET X Connect : Understanding & Navigating the Submission Portal

30 July 2025



Part 1

New Regulatory Approval Process for Building Works & the Submission Portal

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Senior Engineer
BCA

Part 2

Walkthrough of Submission Portal and its key features

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UX Designer
GovTech

CORENET X's new Regulatory Approval Process of Building Works (RABW)

Service Journey with the Industry

Co-created with industry stakeholders the new Regulatory Approval for Building Works (RABW) process



Engaged 6 TACs



REDAS
Developers



SIA
Architects



ACES & ICS
CIS and M&E Engineers



SCAL
Builders



SISV
Land Surveyors

Engaged **57** firms

- Comprising Developers, Consultants (architectural, C&S and M&E), and Builders

7 Sessions involved

106 industry reps

39 agency reps

Consulted

56

BIM Managers

What can you expect in CORENET X?

CORENET X is the one-stop digital shopfront for regulatory approvals, enabling efficiency and productivity for stakeholders across the built environment



1

navigate different agencies' requirements through a **user centric journey**, streamlining multiple touchpoints on one platform for more **efficient regulatory clearance**

2

promotes upfront collaboration & coordination among project teams & agencies, allowing them to **spot and solve issues early**, **reducing construction risks and costly delays**

3

provides greater clarity of project timelines and hence **quicker completion**

4

supports industry in navigating new process by providing (a) **capability building & guidance** & (b) **6-month extension** of ABSD remission timeframe & PCP during transition period

KEY BENEFITS



Savings in Time & Cost



Obtain agencies' approvals in one go



Build with confidence & certainty

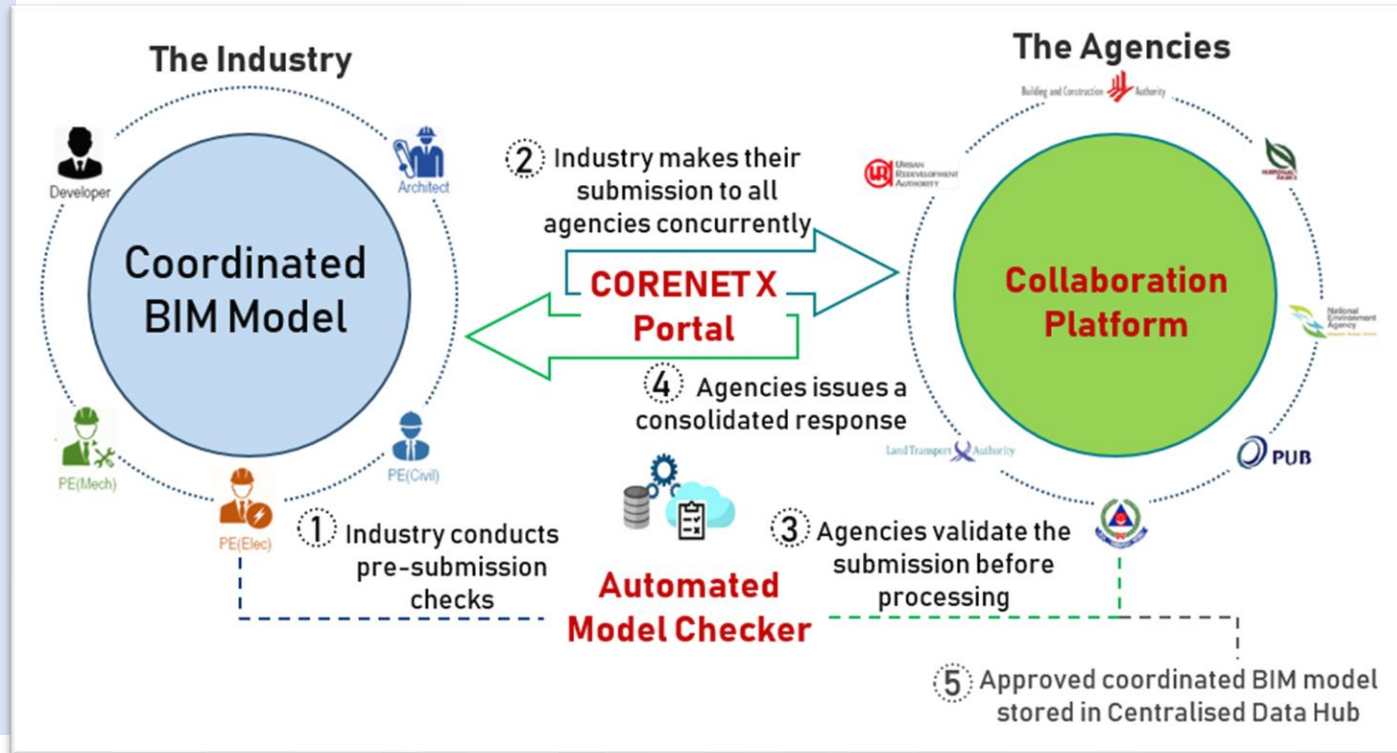
Vision of CORENET X

A future ecosystem of regulatory approval for building works that accelerates the transformation of the construction industry

FIRST IN THE WORLD One-Stop Integrated Digital Shopfront

TRANSFORMATION of INDUSTRY

- Promote design coordination & teamwork
- Promote digitalisation of construction sector
- Support IDD¹ & DfMA² imperatives



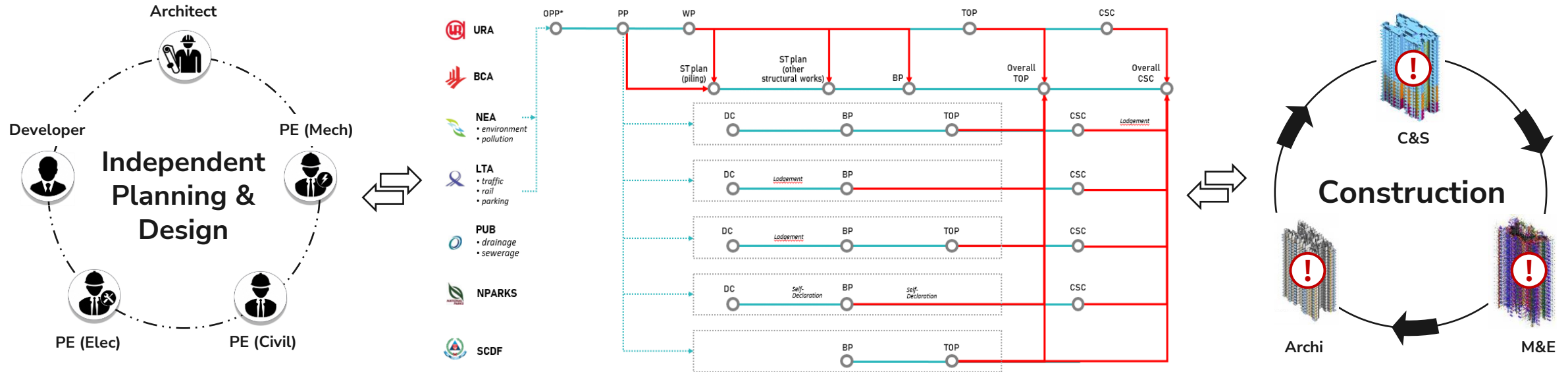
TRANSFORMATION of REGULATORY AGENCIES

- Reduce silos, iterations & regulatory gateways
- Embrace collaboration & raise productivity amidst rising demands
- Improve accessibility & centralise information towards a Single Source of Truth

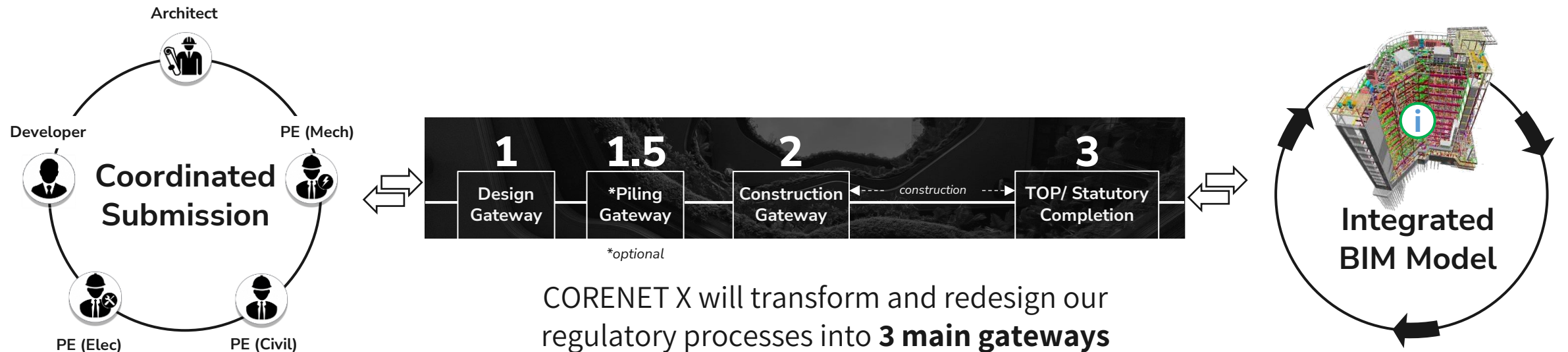
¹ IDD is the use of digital technologies to integrate work processes and connect stakeholders working on the same project throughout the construction and building life-cycle

² DfMA is a continuum of various technologies and methodologies that promote offsite fabrication from prefabricated components to fully integrated assemblies across the structural, architectural and Mechanical/ Electrical disciplines.

Today's Separate & Concurrent Approval Process



New Regulatory Approval Process for Building Works (RABW)



New Regulatory Approval Process for Building Works (RABW)



AT THE GATEWAYS

Coordinated submissions (consisting of various disciplines) will be submitted and reviewed collectively by agencies.
This helps to ensure cross-agency issues and conflicts are identified upfront.

1

Coordinated & consolidated response

- Agencies review, deconflict & respond collectively. Comments can be location-tagged on BIM model
- Industry no longer be required to produce comments/clearances from another Agency

2

Iterations through Written Directions

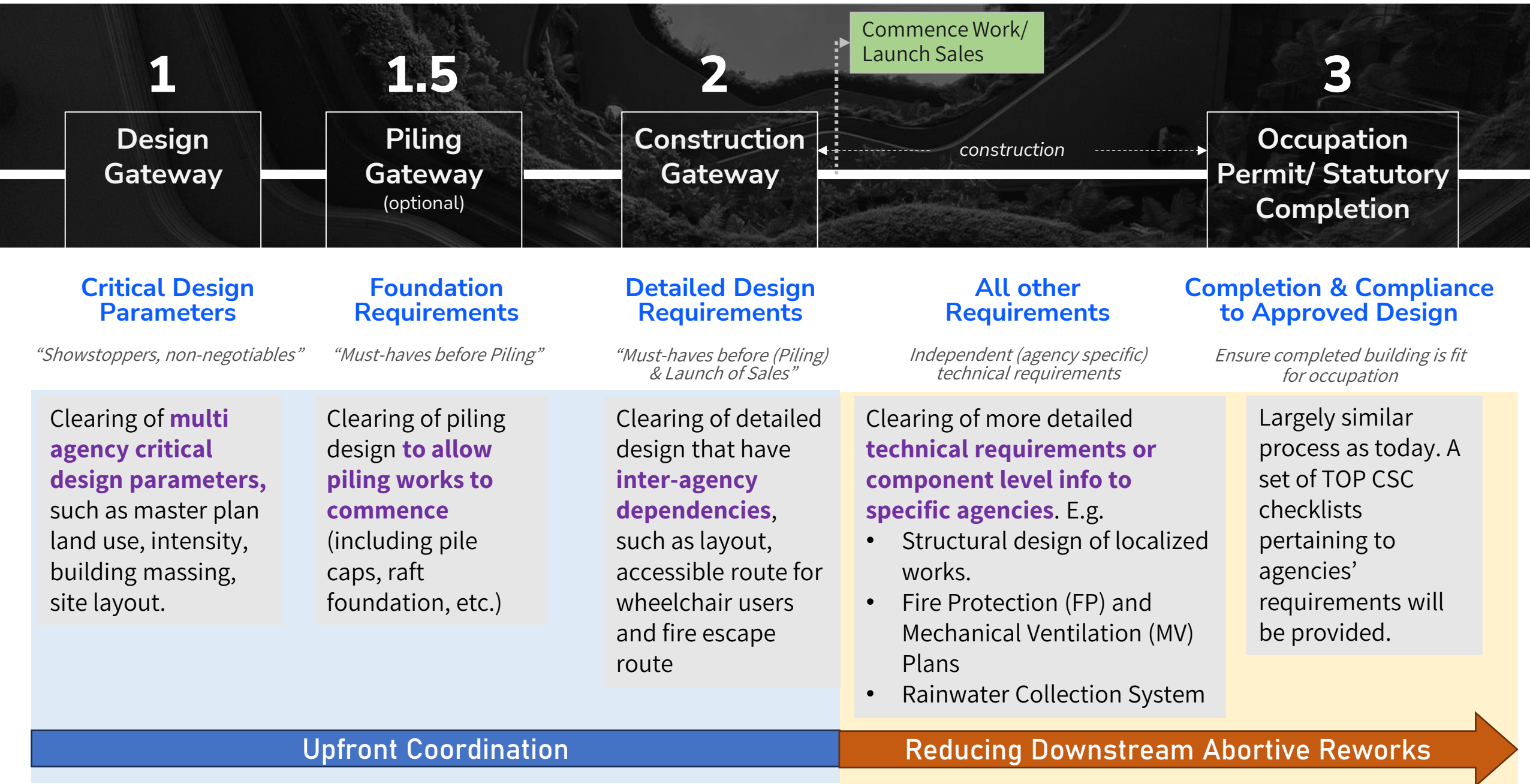
- With collective review and collaboration across Agencies, submissions should not iterate with more than 2 Written Directions at each gateway

20

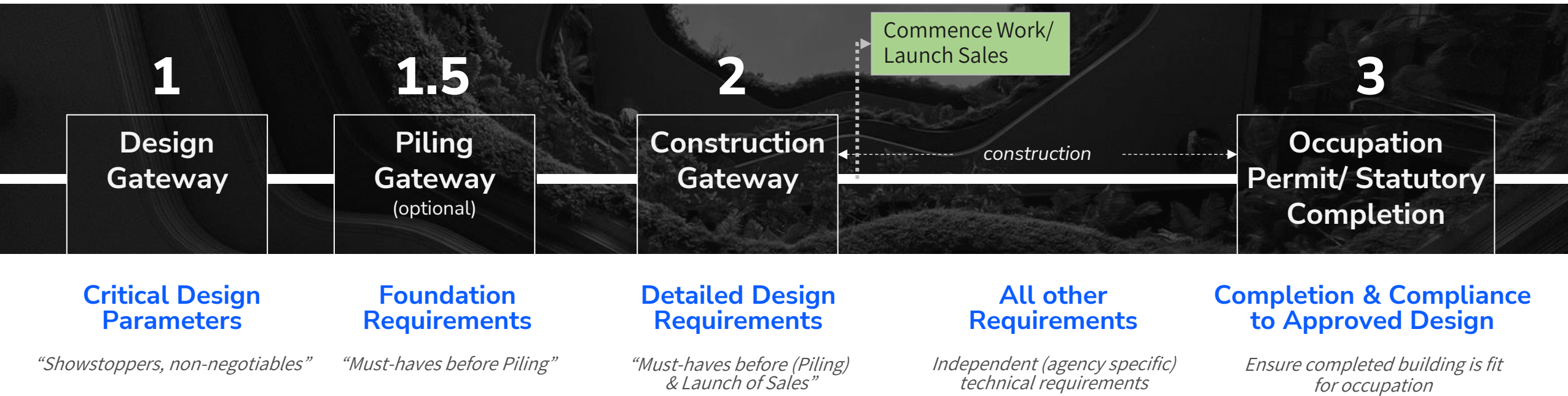
Working days response time by Agencies

- Submissions go through Agencies' inter and intra-agency level reviews
- Agencies will collaborate to respond to industry collectively within 20 working days

3-Gateway Submission Process



Approvals under Consolidated CORENET X Gateways



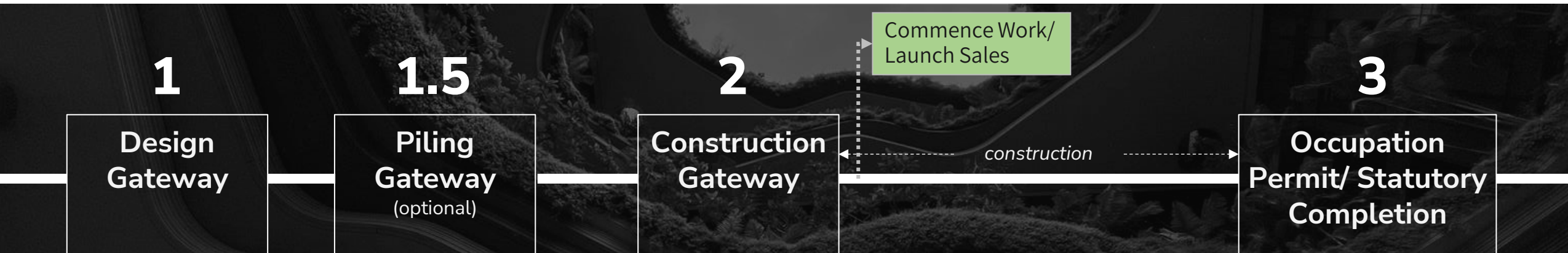
Approvals at each Gateway consist of the following agencies' equivalent clearances today* :

- URA PP
- LTA Layout Plan, NEA and PUB DC Clearances
- NParks DG Approval including tree-cutting
- BCA ST Approvals for Permanent Piling Works
- LTA RPZ AIP for Pile Design and Layout Plan
- Independent clearances, e.g. NParks EMMP & PUB's Earth Control Measures Approval
- URA WP
- BCA BP and ST Approvals
- LTA Street Plan Clearance, BP (Parking), BP (Rails)
- NEA and PUB BP Clearance Cert
- SCDF BP Approval
- NParks CG Approval

Key Objective of Gateways
Resolve **multi-agency requirements** concerning design details that need to be **coordinated**

* Requirements at each Gateway may not be the same as requirements for clearances today. For more info, please visit <https://info.corenet.gov.sg/regulatory-process/about-the-new-submission-process> or refer to the Code of Practice

Approvals under Consolidated CORENET X Gateways



Detailed structural design and calculations of eligible projects can be submitted through a limited number of part ST submissions. Project teams should propose the Part ST Submission plan and seek agencies' concurrence during pre-submission consultations, before making any submissions

❑ **Building projects:**

1. Any project with a **Gross Floor Area (GFA) > 40,000sqm** is eligible for part ST submission if –
 - a. the project consists of 5 or more blocks of building of at least 4 storeys high each; or
 - b. the project consists of 3 or more blocks of building of at least 4 storeys high each, with common podium or basement.
2. Cluster housing projects with 40 or more landed units

❑ **Infrastructure projects:**

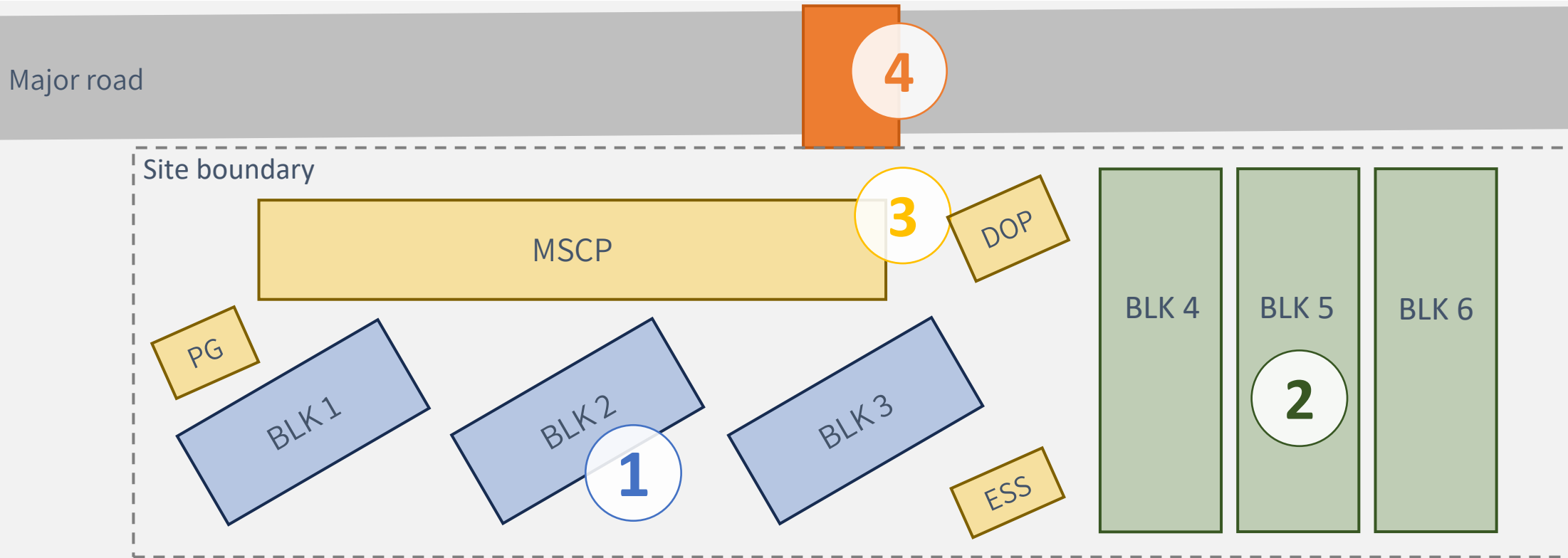
1. Infrastructure works that function like a building **with length > 150m** (e.g. MRT stations, transport nodes/ interchanges);
2. Infrastructure works that are mostly engineering works **with length > 400m** (e.g. viaducts, large scale drains, sewers)
3. Infrastructure works that are mostly coastal works **with length > 4,000m** (e.g. land reclamation, revetment, sea wall, bund wall)

Part ST Submissions - Guidelines

Scope of Works	Number of Part ST Submissions Allowed
Superstructure	1 no. of Part ST Submission for every 4 blocks (rounded to nearest unit) 1 no. of Part ST submission for every 40 landed units (rounded to nearest unit) <u>Example:</u> For a building project consisting of 9 tower blocks, 3 no. of Part ST Submissions of <u>equal GFA</u> is allowed. (i.e. if the total GFA is 105,000 sqm, each of the Part ST Submission should be about 35,000 sqm)
Common Basement	1 no. of Part ST Submission
Common Podium	1 no. of Part ST Submission
All ancillary works	1 no. of Part ST Submission
All external works	1 no. of Part ST Submission
ERSS	Independent submission *No change from the standard RABW (without phasing)
Cladding	
Façade	
Temporary Deck	

Part ST Submissions – Guidelines (Illustrated with example)

Example Project: 6 HDB blocks with MSCP and ancillary works



 Part ST Submission 1: Block 1 – 3

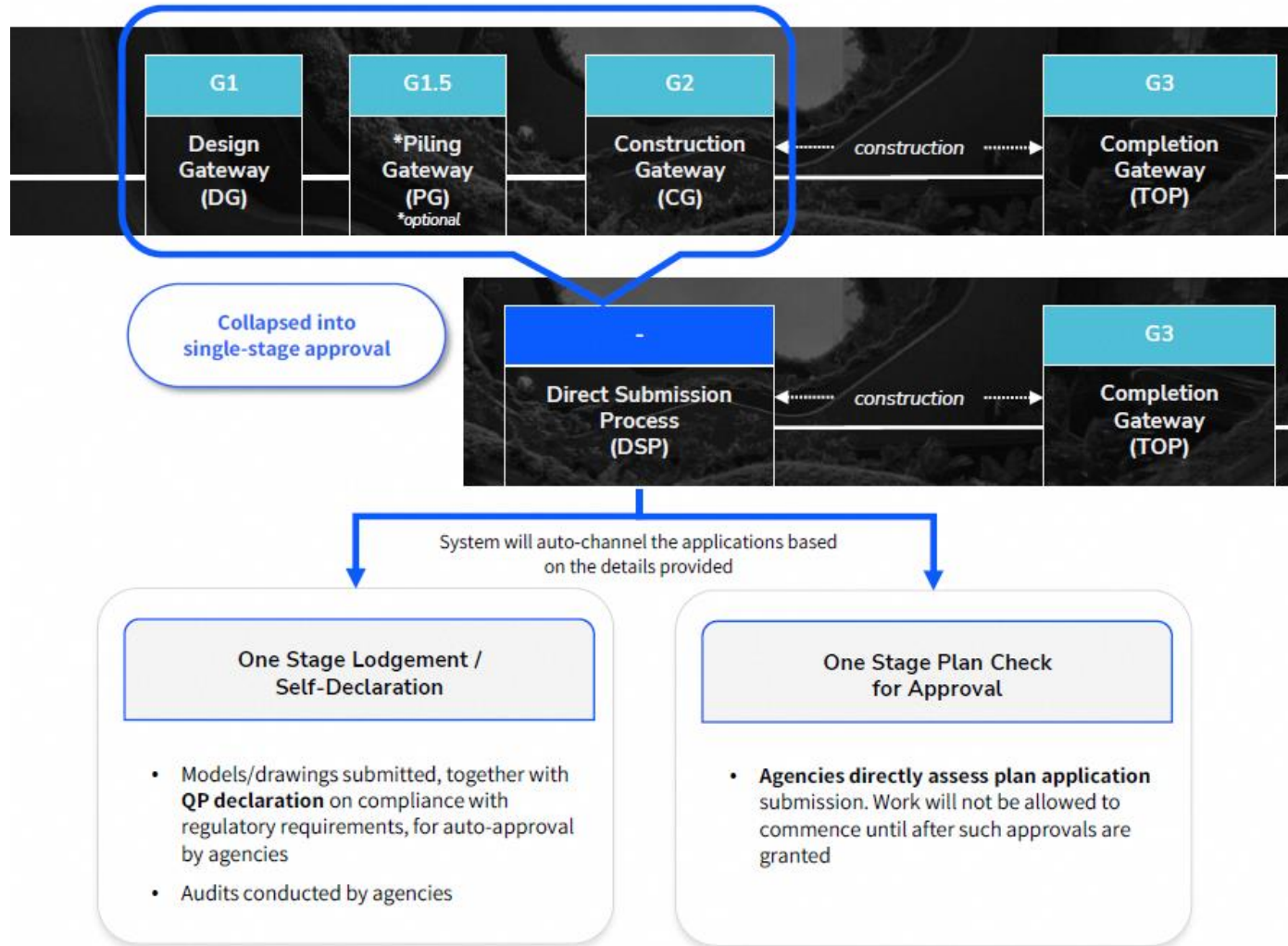
 Part ST Submission 2: Block 4 – 6

 Part ST Submission 3: Ancillary works within site boundary

 Part ST Submission 4: External works outside site boundary

Direct Submission Process

Differentiated approach for simple building works that need not be subjected to the typical RABW 3-Gateway process (e.g. single-unit residential landed development, standalone pavilion/ linkway, taxi stands, bus shelters, eligible minor A&A works etc.)



Direct Submission Process

- Only eligible projects will be put under DSP
- Through a guided submission process, QP will answer a set of eligibility questions to determine whether project will be auto-channeled to either:
 - Lodgment/self-declaration/simplified submission scheme OR**
 - One-stage plan check**for the respective agencies
- Independent submission for agency-specific requirements is still available and supported under DSP

Supporting Mechanisms for the New RABW

PRE-SUBMISSION CONSULTATION

Industry can seek guidance from Agencies prior to and at any point in the Gateway submissions



WAIVERS

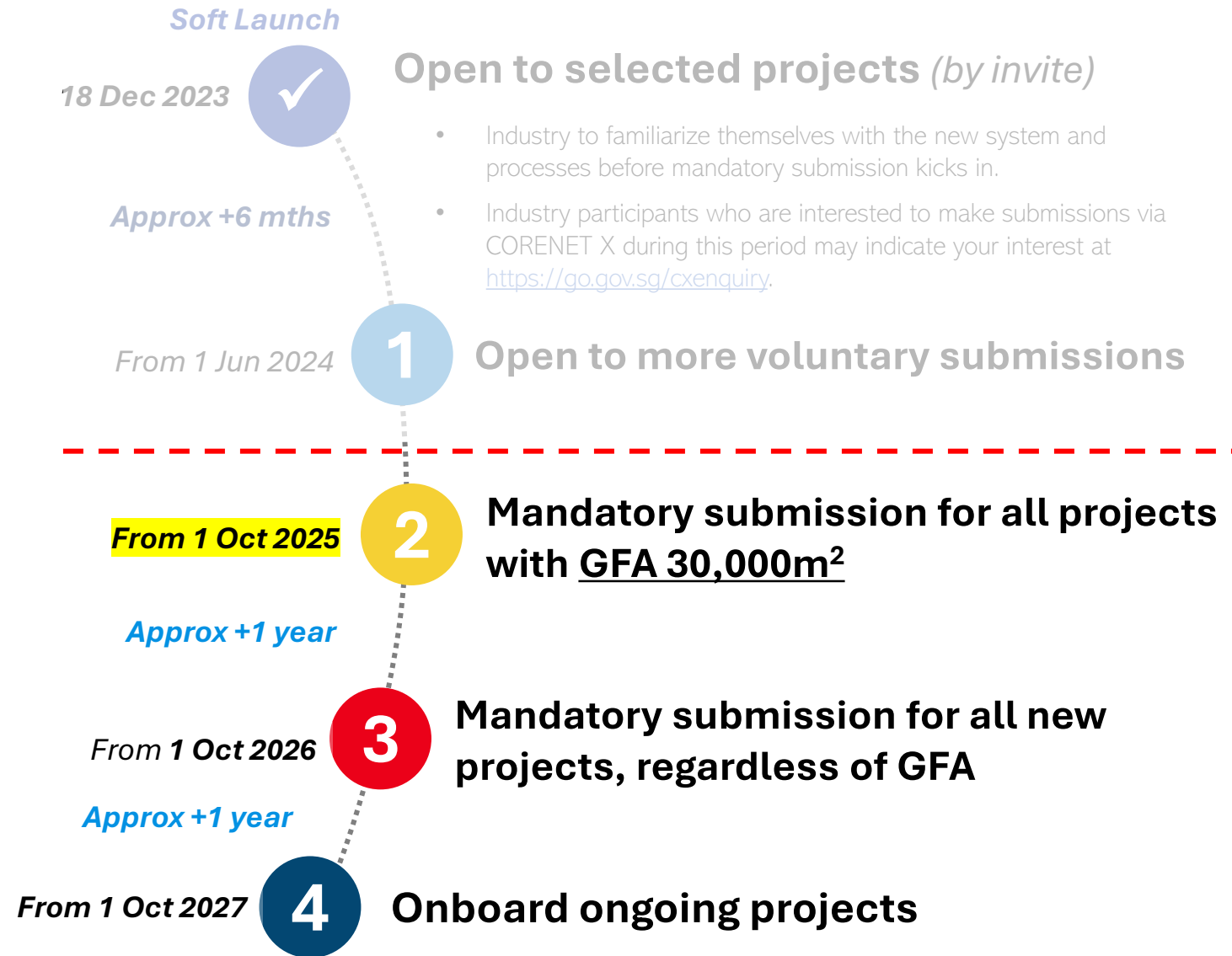
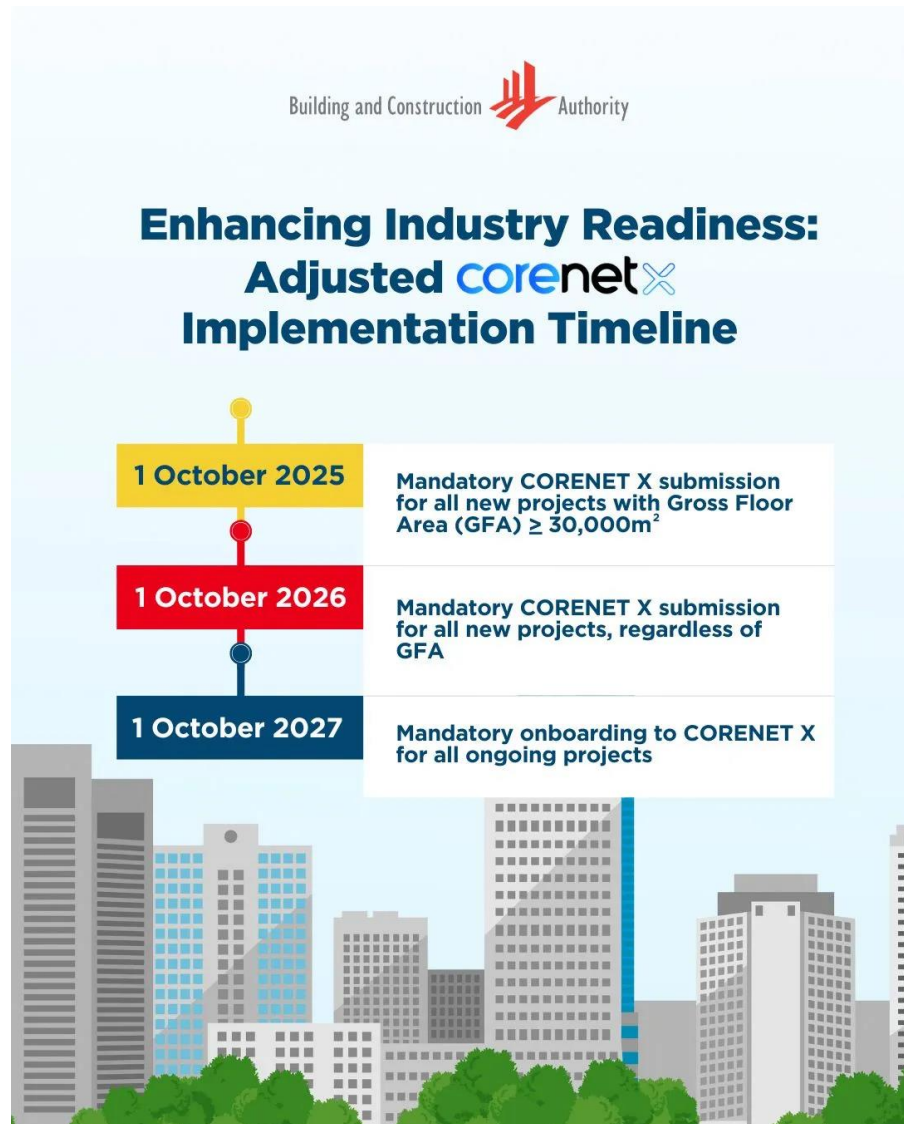
Industry may apply for deviations from compliance for Agencies' assessment and decision prior to Gateway submissions

ESCALATION MECHANISM

Industry can seek upfront resolution on inter-agency regulatory conflicts at the **Inter-agency Coordinating Committee (IACC)**



Mandatory CORENET X Submission – commencing 1 Oct 2025

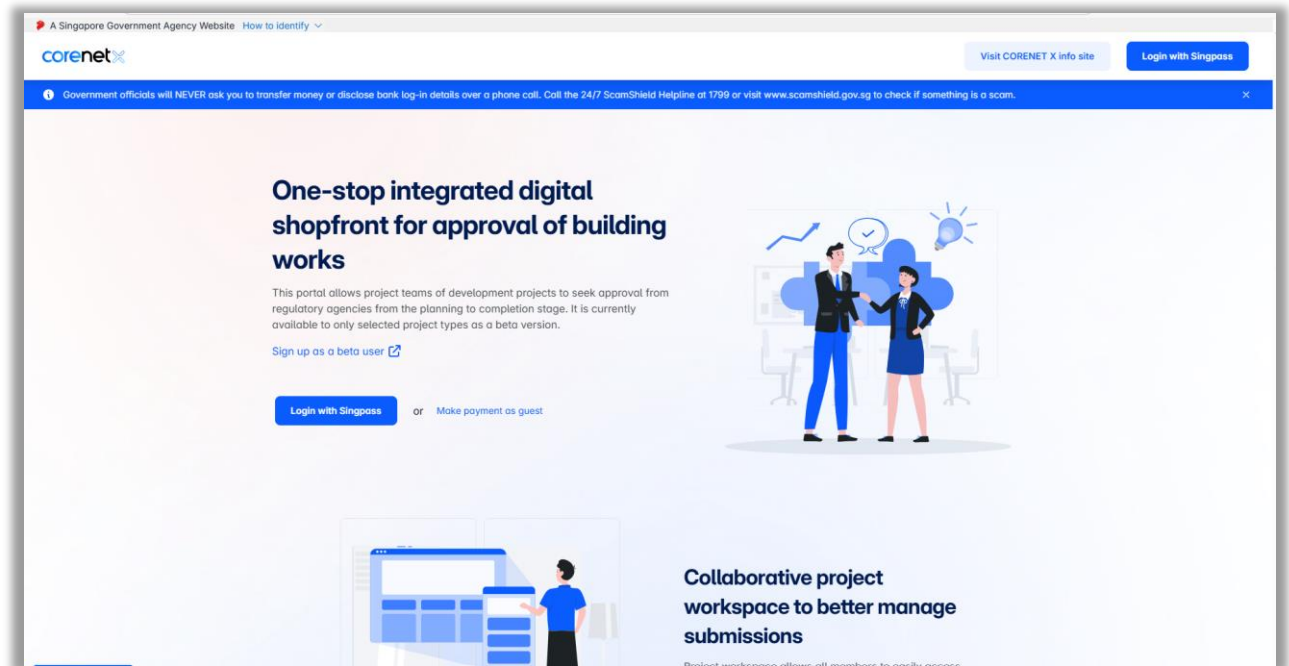


CORENET X Submission Portal

Submission Portal

Submission Portal will replace CORENET 2.0 as the platform to make submissions to agencies for approvals

- The Submission Portal is our **web-based front-facing portal** where industry practitioners and their assistants interact with to make submissions
- CORENET X is developed through agile methodology that **progressively delivers new features and improvements** to enhance the system
- The system is **designed with users at its core, intended for a guided submission process**. It incorporates regular feedback from user testing and live submission users to enhance its usability and create a more intuitive experience



- ✓ **Dashboards for greater visibility**
- ✓ **Guided submission process**
- ✓ **Auto fee computation to plan ahead**
- ✓ **Centralised payments to all agencies**


Key differences between Submission Portal (CX) and ESPro (CN2.0)

Area	Current CORENET 2.0	CORENET X
System	Thick client app on desktop	Web-based system where QPs may access the system as long as internet connection is available
Appointment	QPs attach authorisation letters documenting the appointment of members in submissions	Appointment of members must be done before QPs can access submission forms of their respective scope of works
Submission Responsibilities	QPs indicate their own scope of works in authorisation letters	Project Coordinator (lead QP) of the system to collate respective QPs' submission scopes and indicate them as part of appointment process
Joint submissions vs independent submissions	Each submission made separately to different agencies	At key gateways, submissions (DC and BP) are prepared and made jointly to all applicable regulatory agencies All other submissions remain independent
Project members	Parties such as developer, RE/RTO, Accredited Checker do not interact with CORENET	Developer, RE/RTO, Accredited Checker to login and interact with the system to perform appointment, declare and submit

Logging in – Singpass for Business vs Singpass individual

Similar to all other government systems, CORENET X login mechanism is Singpass. As CORENET X is primarily a Government-to-Business system, users are strongly encouraged to use Singpass Business

Log in with Singpass to access CORENET X

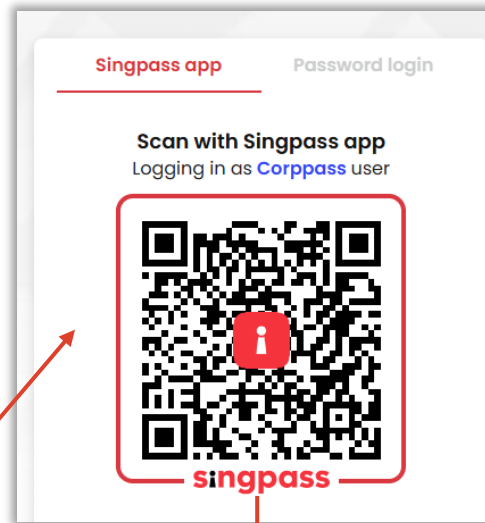


Developer (organisation), Licensed Builders, Qualified Persons, registered/licensed professionals representing companies should be Corppass-registered and log in as business.

[How do I apply for Singpass Business?](#)

Log in as Business

Acting in your personal capacity e.g. Developer (individual) or no Corppass? [Log in as an individual](#)



Select UEN/Entity ID

Search by UEN/Entity ID

Active (8) Non-active (6)

Awesome Company Pte Ltd (105627481N)	Better Bakes (19991234A)	Cute Cats Clothing (20001234A)
Dinosaur Cookies LLC (20011234A)	Elephant Coffee Pte Ltd (20021234A)	Flowers and More (20031234A)
Gatsby Bar (20041234A)	Humongous Super Long Company Name... (20051234A)	Ice Ice Baby Boutique (20061234A)

Page 1 of 1

Who needs to access CORENET X?

- Developer (including owner)^{New}
- Qualified Person
- Fire Safety Engineer^{New}
- AC, ACO^{New}
- Licensed Builder^{New}
- Site Personnel (RE, RTO)^{New}

Who needs Singpass as Business to access CORENET X?

- Developer (organisation)
- Licensed Builder

- If a corppass registered user has more than 1 entities, he/she will be prompted to select the relevant company



Logging in – Setting up Singpass for Business


Similar to all other government systems, CORENET X login mechanism is Singpass. As CORENET X is primarily a Government-to-Business system, users are strongly encouraged to use Singpass Business

Select Entity's e-Services



Select the e-Service(s) you wish to add to your entity's list.

Note: Selected e-Services require details to be set up on Corppass (denoted by ).
Selected e-Services may require additional checks when you log in. Click  for more information.

Govt. Agency	e-Service	Description	Additional Agency Check	Additional Details Required
<input checked="" type="checkbox"/> CENTRAL PROVIDENT FUND BOARD	CPF SERVICES FOR EMPLOYERS AND BUSINESS PARTNERS	CPF Services for Employers and for Business Partners		
<input checked="" type="checkbox"/> CENTRAL PROVIDENT FUND BOARD	CPF EZPAY	CPF EZPay for making CPF contributions		
<input checked="" type="checkbox"/> CENTRAL PROVIDENT FUND BOARD	CPF CONTRIBUTE-AS-YOU-EARN (CAYE) FOR SERVICE BUYERS	CPF CONTRIBUTE-AS-YOU-EARN (CAYE) FOR SERVICE BUYERS		

3 e-Service(s) Selected

- Ensure all project members who are using Singpass Business have Singpass set up.
- For Singpass Business, the **corporate admin of each company will need to first authorize the member to be given access for the intended system** (i.e. CORENET X "CORENET X Industry Portal").
- This onboarding step is required for all, including existing CORENET 2 users.

Assign Selected e-Services



Ensure that you have selected e-Service(s) for your Entity before assigning it to your user account(s).

Select from your entity's Corppass user accounts.

	Full Name	Email Address	User Type
<input checked="" type="checkbox"/>	LI VIRDI	lvirdi@mailinator.com	Enquiry User
<input checked="" type="checkbox"/>	TERRI MANDEL	terrimandel@mailinator.com	User
<input type="checkbox"/>	LIM DAOWEI	limdaowei@mailinator.com	Enquiry User
<input type="checkbox"/>	TOH JONATHAN	toh.john@mailinator.com	Admin
<input type="checkbox"/>	PHANG GABRIEL	PHANGGABRIEL@abc.com	Admin
<input type="checkbox"/>	CHAN FREDERICK	Frederick.Chan@abc.com	

NOTE: If you wish to differentiate digital service access for different users, you will have to assign them individually.


Can't find an e-Service? Click [here](#) to add e-Service to your Entity.

Assign Selected e-Service(s) to

2 Selected User(s) 

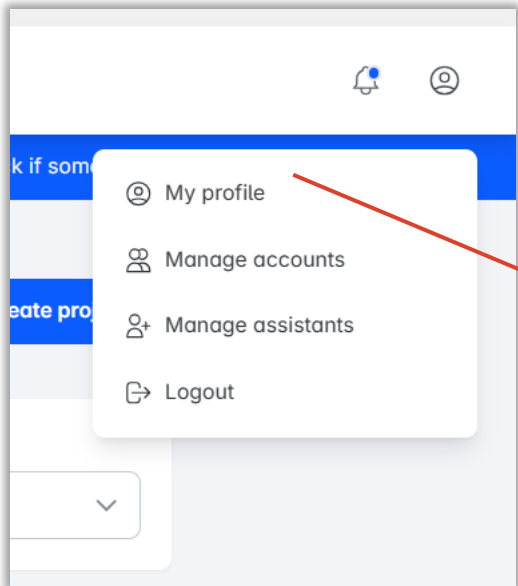
Indicator for the number of users that you have selected and will be assigned digital service access.

Assign from selected e-Service(s).

Govt. Agency	Entity's selected e-Services	Description	Agency Check Required	Additional Details Required
<input checked="" type="checkbox"/> SLA	SLA LDAU E-APPLICATION CORPPASS			
<input checked="" type="checkbox"/> MOE-SP	SINGAPORE POLYTECHNIC INDUSTRY PARTNER E-SERVICES			
<input checked="" type="checkbox"/> MTI	BUSINESS GRANTS PORTAL			

Setting up profile page

Auto-populating user information through MyInfo



Edit my profile

Changes to your profile will be reflected across all your projects and submissions

Profile details

Your profile details such as name and address may be displayed in the formal response letters issued by Agencies. Select Retrieve Myinfo to update the following information with your latest Myinfo details.

[Retrieve Myinfo](#)

Login type

Singpass for Individual

Profile information

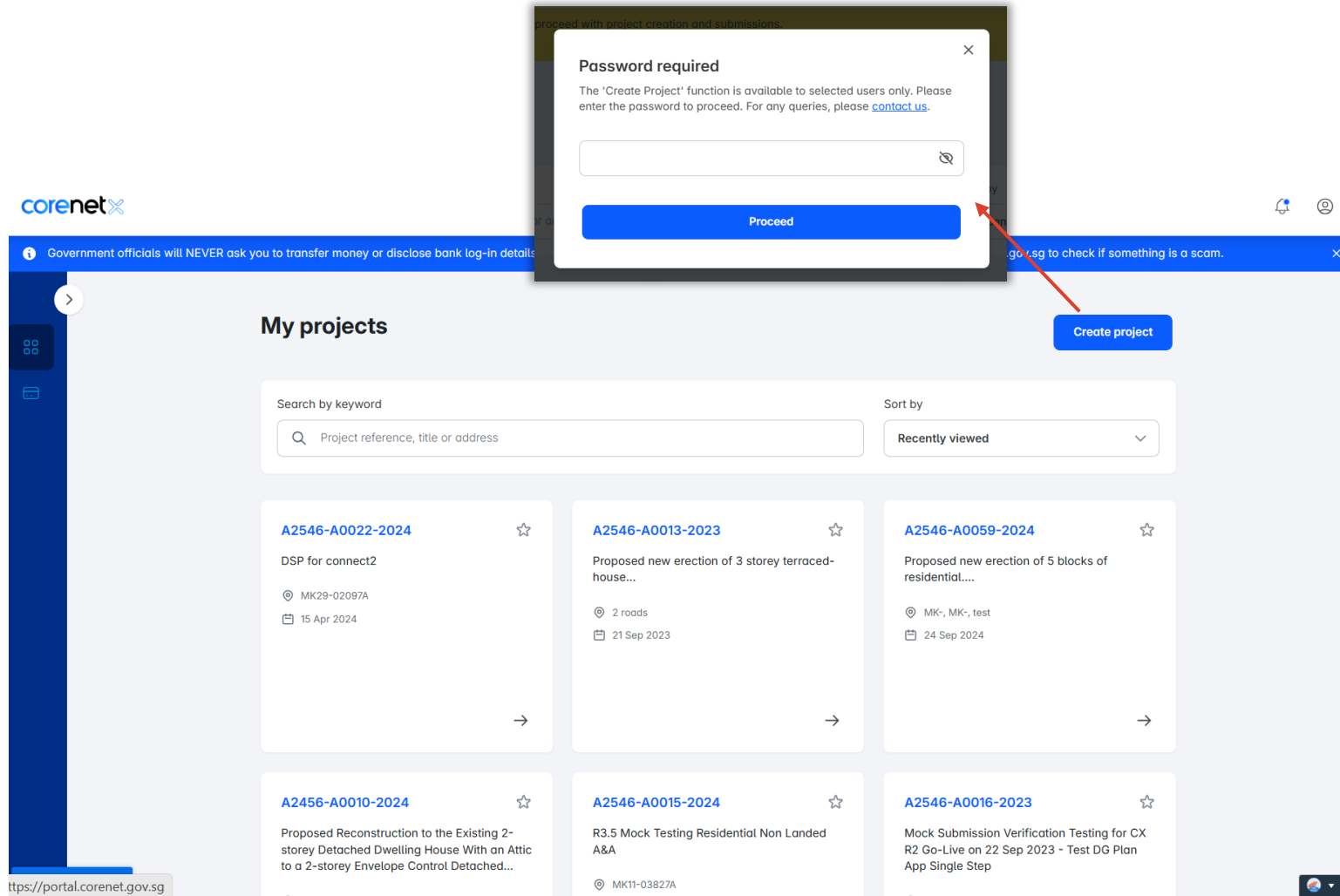
Name	NRIC/FIN
<input type="text"/>	<input type="text" value=".....337E"/>
<small>As per NRIC/FIN. Name will be reflected in formal response letters</small>	
Designation (optional)	<input type="text"/>

Profile page

- The profile page is a one-time set up for new users to create a profile
- Select “**Retrieve my info**” to ensure the most accurate details are extracted in your preparation for submission
- The **name in your profile will be used to reflect your name on agencies’ letterheads in the official responses**
- Your particulars will be auto-populated

Creating a project during voluntary phase submission

Register with CORENET X if you have a live submission project



The screenshot shows the CORENET X portal interface. A modal titled "Password required" is displayed over the "My projects" section. The modal contains a text input field and a "Proceed" button. A red arrow points from the "Create project" button in the "My projects" section to the "Proceed" button in the modal. The "My projects" section displays a list of projects with details such as project reference, title, location, and date.

Password required

The 'Create Project' function is available to selected users only. Please enter the password to proceed. For any queries, please [contact us](#).

Proceed

My projects

Search by keyword
Project reference, title or address

Sort by
Recently viewed

A2546-A0022-2024 ☆
DSP for connect2
MK29-02097A
15 Apr 2024

A2546-A0013-2023 ☆
Proposed new erection of 3 storey terraced-house...
2 roads
21 Sep 2023

A2546-A0059-2024 ☆
Proposed new erection of 5 blocks of residential....
MK-, MK-, test
24 Sep 2024

A2456-A0010-2024 ☆
Proposed Reconstruction to the Existing 2-storey Detached Dwelling House With an Attic to a 2-storey Envelope Control Detached...

A2546-A0015-2024 ☆
R3.5 Mock Testing Residential Non Landed A&A
MK11-03827A

A2546-A0016-2023 ☆
Mock Submission Verification Testing for CX R2 Go-Live on 22 Sep 2023 - Test DG Plan App Single Step

To register your live submission project for actual CORENET X submission, please register your interest at

<https://go.gov.sg/corenetxbeta>

CORENET X > Submit a request

Submit a request

For general enquiries

Industry Professionals and Members of the Public, please select PUBLIC. If you are a CORENET X Agency partner, please select AGENCY.

For registration of interest as CORENET X beta user

[CORENET X Beta user registration link](#)

CORENET X

System roles – Project Coordinator & Submission Coordinator

Project-level coordinator

List of project members

NAME	ROLE
Seet Hee Ling Christina 337E	Architect / Developer (Individual) (Project coordinator)

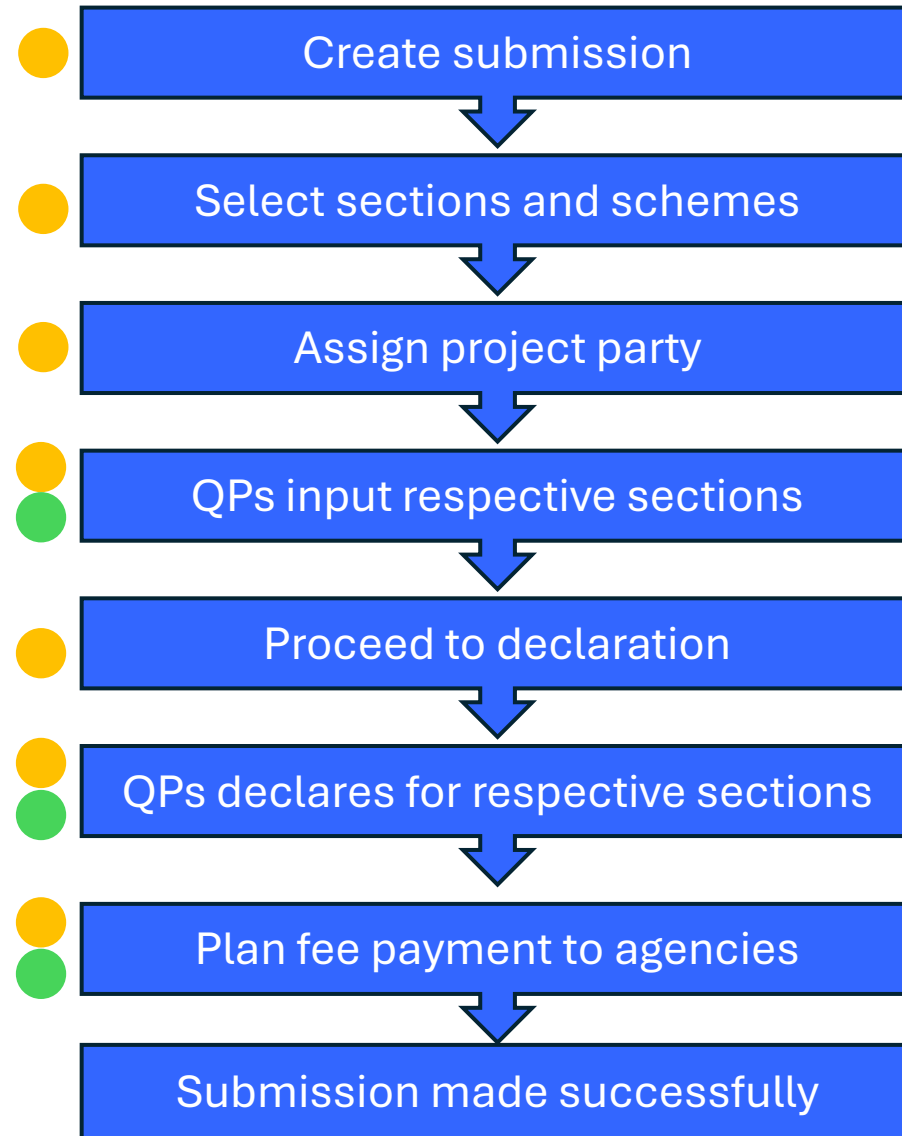
Submission-level coordinator

SECTION	ASSIGNED PROJECT PARTY
Project information	Seet Hee Ling Christina Architect, Developer (Individual) Submission coordinator

Things to note:

- The role of a **Project Coordinator** is similar to that of CORENET 2, where the lead QP is overall responsible to set up the Project Account and addition of project members.
- The role of a **Submission Coordinator** occurs in a joint-submission (submissions involving more than 1 project member)
- The **Submission Coordinator** is responsible in making inputs to key project information. After all sections in a form has been completed by all QPs, the Submission Coordinator is to initiate the next step to trigger declaration for all QPs

Submission workflow – joint submission



Action allowed by



Submission coordinator



Assigned project party

Things to note:

- While assigned project parties can prepare their respective sections concurrently, the intended workflow **does not allow them to declare for their respective sections until all inputs are completed**, locked as **“Ready for Review”** and Submission coordinator initiates declaration
- This is to ensure that all assigned project parties involved in the joint submission are declaring on the same set of completed inputs

Plan fee payment

Plan fee payment must be made before submission can transit to agencies for processing

The screenshot displays the 'corenetx' submission workspace. The main section, 'Plan application', shows a 'New submission' with a status of 'Pending payment'. It lists three agencies with their respective payable amounts: Building and Construction Authority (SGD 7,740.00), National Parks Board (SGD 2,140.00), and Urban Redevelopment Authority (SGD 6,420.00). Each agency entry has a 'Make payment' button. A red arrow points from one of these buttons to a modal titled 'Select payment method'. The modal shows the 'Total payable fee' as SGD 7,740.00 and offers three payment options: Bank transfer, Credit/Debit card (with Mastercard and Visa logos), and Ask someone to pay. The bottom of the page includes a footer with 'Government Digital Services' logo, version information (1.1.1), and a copyright notice for 2023.

What are the available payment modes?

- Bank transfer (takes at least 2-3 working days to be processed)
- Credit card (for each transaction up to \$10,000)

- Payment to agencies are to be transacted separately
- This is to avoid payment errors e.g. credit limits to affect multiple transactions at a time
- Users who receive a request to make payment via “Ask someone to pay” must login to transact

CORENET X Training Environment

Training Environment for Simulated Hands-on



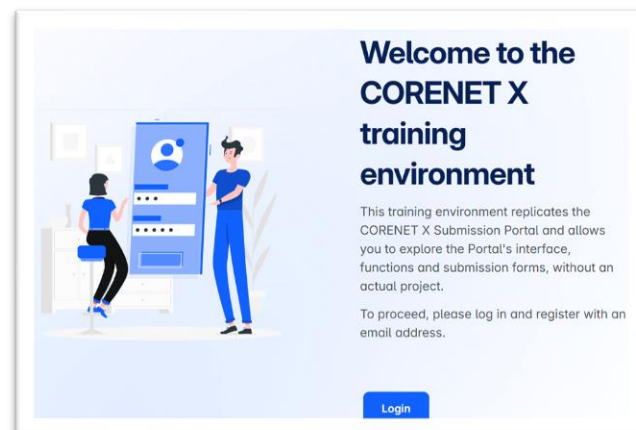
Training environment replicates the CORENET X Submission Portal



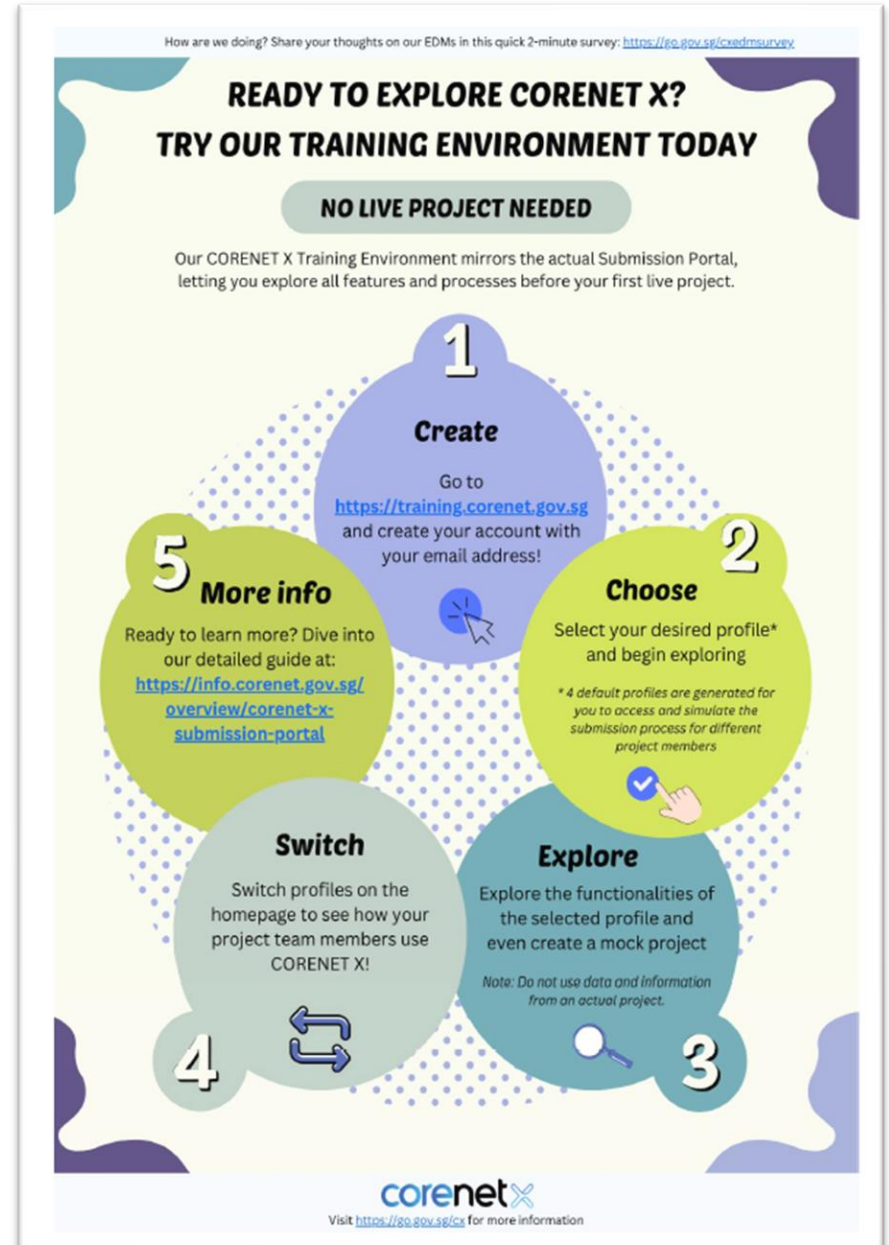
Allow industry users to explore the Submission Portal's interface, functions and submission forms without an actual project.



Training guide provided to help industry navigate the simulation environment
(<https://info.corenet.gov.sg/overview/corenet-x-submission-portal>)



<https://training.corenet.gov.sg>



Training Courses for Industry Practitioners

1

	Mode of Lessons	<u>Trainers</u>
CORENET X Regulatory Approval for Building Works (RABW) Course <i>Understanding the new RABW Processes</i>	Physical	The Architect's Academy by Singapore Institute of Architects (SIA)
		BIMAGE
		BCA Academy
		SP Pace Academy
	Self-paced Online Learning	AcePLP(AIA) Bluskai

2

	Software	<u>Trainers</u>
IFC-SG Training <i>Preparing OpenBIM submissions using IFC-SG</i>	Revit	AcePLP Pte Ltd, BIMAGE consulting, SP Pace Academy, Innocom
	Tekla	AcePLP Pte Ltd
	Archicad	Graphisoft
	Bentley	Bentley, AcePLP(AIA)

Please scan the QR code below to find out more:

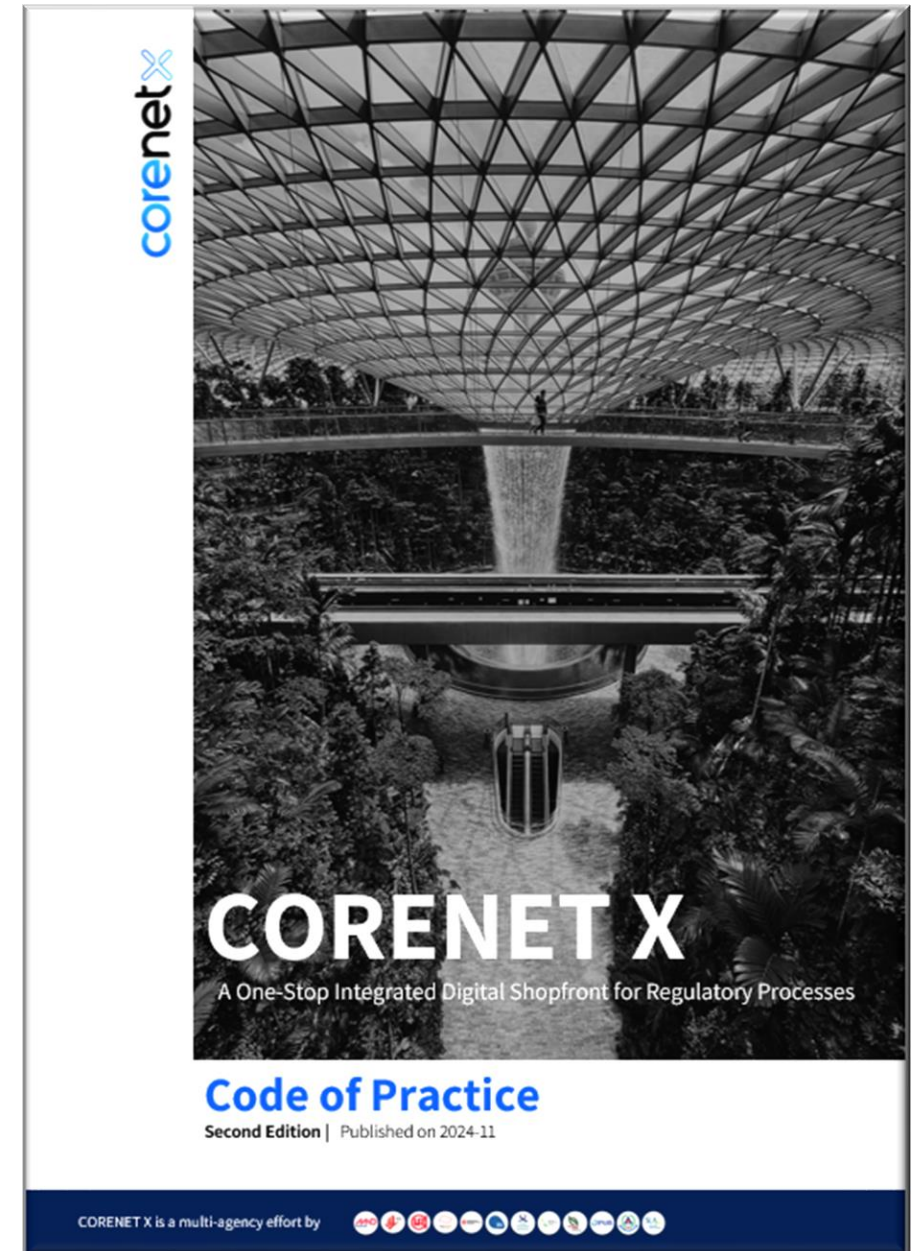


<https://go.gov.sg/cxtrainingcourses>

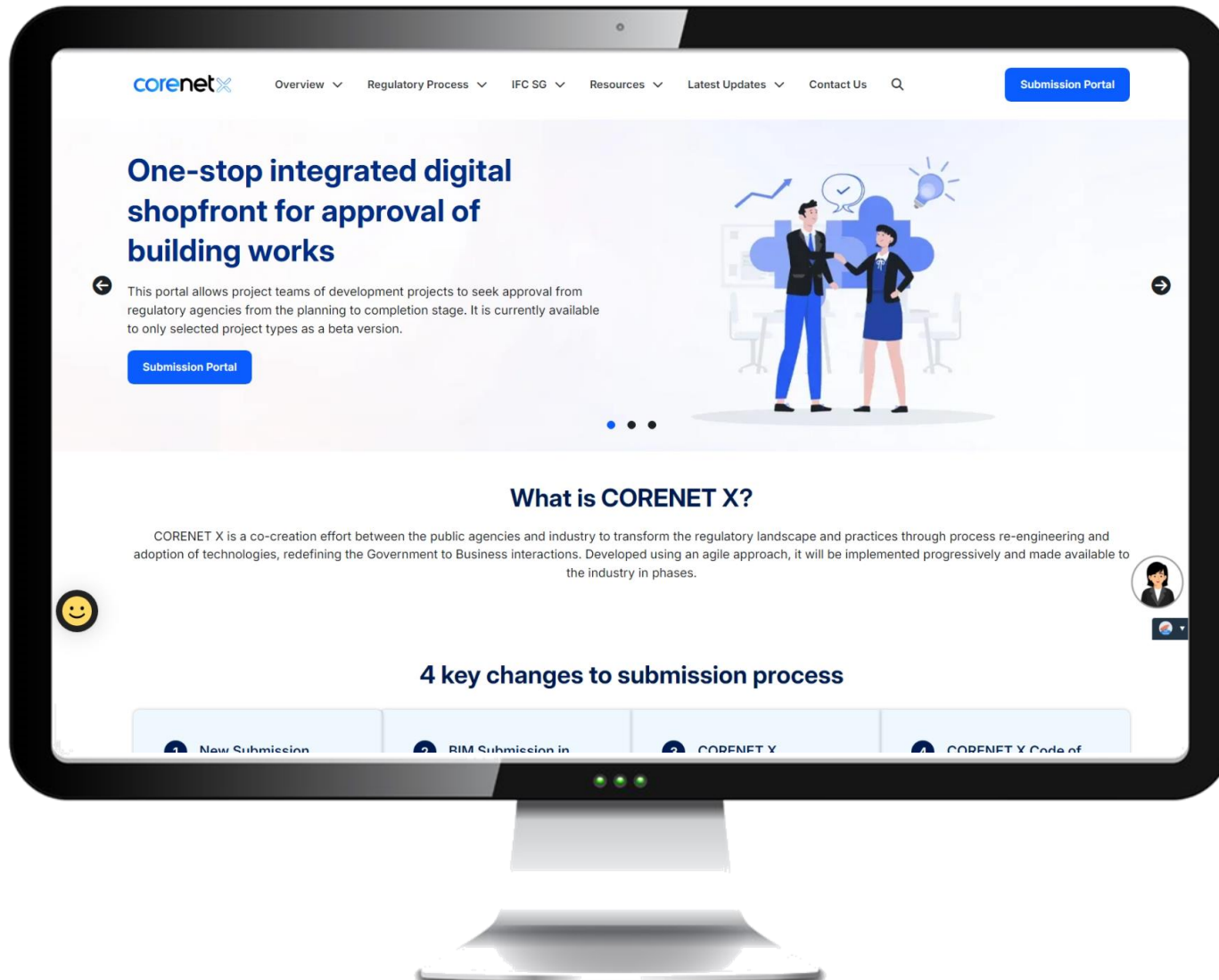
CORENET X Code of Practice

- First edition was **released on September 2023**
- Intended to help industry practitioners in understanding **how to prepare multi-agency regulatory submissions across the key submission gateways in CORENET X**
- Includes **recommended procedures** and **good practices** to address common BIM issues
- This Code of Practice does not substitute Handbooks, Circulars or other regulatory publications of our regulatory agencies.
- **Complements other resources on the CORENET X website**, including the IFC+SG Resource Toolkit

[\[Latest Version Here\]](#)
The 2nd edition is
now available!



CORENET X Website & Self-Help Resources



- Interactive COP
- Submission Portal Guides
- IFC+SG
- Training & Funding
- Past Events & Material
- Circulars
- List of firms that have onboarded to CORENET X

More details on CORENET X can be found at:
<https://go.gov.sg/cx>



SCAN ME

Thank You

