

Technical Briefing

PUB BIM e-Checker Initiative

PUB has launched BIM self-checking system
for Building Plan Consultation



6th October 2020

1000hrs - 1100hrs

Organised by :



1000 - 1005hrs

Opening &
Housekeeping

Singapore Water Association

1005 - 1015 hrs

Welcome Address

Singapore Water Association

1015 - 1045hrs

Overview of PUB
BIM e-Checker
Initiative

Mr Low Yang You
PUB,
Centralised Services
Department
(Building Plan Unit)

1045 - 1055hrs

Q & A

SWA/PUB

1055 - 1100hrs

Closing

Singapore Water Association

HOUSEKEEPING



6th October 2020

1000hrs - 1100hrs

- ✓ **To ensure better connectivity, please mute your microphone and turn off the camera. You may communicate with us after the event.**
- ✓ **Please share your questions in the chat where we will try to provide answers where possible in the Q & A Segment.**
- ✓ **Do identify yourself so we can respond to any unanswered questions**
- ✓ **We will be recording this session and reserve the rights to the video**
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DISCLAIMER



6th October 2020

1000hrs - 1100hrs

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Technical Briefing

PUB BIM

e-Checker Initiative

Welcome Address



6th October 2020

1000hrs - 1100hrs



Organised by :



Mr Vinod Singh
Council Member, SWA
Director, Business Development, Asia
JACOBS

Technical Briefing PUB BIM e-Checker Initiative



6th October 2020

1000hrs - 1100hrs

SWA Initiatives

Organised by :



SWAtch !



SWAssist



SG United Updates



SWA Marketplace Assist Platform (SWA-MAP)

Technical Briefing

PUB BIM e-Checker Initiative

Q & A



6th October 2020

1000hrs - 1100hrs

Organised by :



Technical Briefing PUB BIM e-Checker Initiative Upcoming.....



6th October 2020
1000hrs - 1100hrs

Organised by :



Virtual Introduction
PUB Ulu Pandan Reclamation Plant
(22nd Oct 2020, 10am - 11am)

Virtual Introduction
Choa Chu Kang Waterworks
(29th Oct 2020, 10am - 11am)

Technical Briefing PUB BIM e-Checker Initiative Thank You



6th October 2020
1000hrs - 1100hrs

For further queries on the event, please contact :



Organised by :



Singapore Water Association
T: (65) 65150812
E: enquiry@swa.org.sg
www.swa.org.sg

PUB BIM e-Checker Sharing



MAKE
EVERY
DROP
COUNT

"The materials and opinions presented by individuals during webinars are sourced by the presenters and personal opinions of the presenters. The views expressed are to merely make clear the discussion and is not an analysis of compliance or non-compliance of any illustration"

PUB BIM e-Checker Sharing

Introduction

- PUB developed and launched the Building Information Modelling (BIM) checker portal for industry to self-check rules for compliance (15th April 2020)
- Compliance checking requirements from PUB Code of Practice (COPSSW, COPSWD and relevant SS636 code)
- 500 Rules available for checking
- Allows QPs to pre-check their BIM models freely before formal submission via Corenet

PUB BIM e-Checker Sharing

Circular

PUB BIM e-Checker Portal - Towards ZERO Resubmission

Very often, our industry professionals need to make multiple resubmission because their designs failed to meet our requirement. To relief your team from making multiple resubmissions, I am pleased to announce that PUB will be launching its Building Information Modelling e-Checker System ("BIM e-Checker").

2 Developed in consultation with professionals like yourself, the BIM e-Checker automatically checks BIM submission in open BIM format (IFC) for compliances with standing regulations, guidelines and Code of Practices and is capable of generating the results of the checks within 24 hours. Checks can be conducted any time of the day by simply uploading the open BIM formatted (IFC) designs into the system. Phase 1 of the BIM e-Checker which covers checks on all prescriptive PUB requirements will be available from 15 Apr 2020.

3 The subsequent CORENET processing of these plans which are fully compliant with the e-Checks will be accorded priority.

4 For more information on the PUB BIM e-Checker, please visit us at: <https://pubbimchecker.com.sg>. You may also wish to contact my colleague Mr Low Yang You at Low_Yang_You@pub.gov.sg should you need further help. More detailed information on the PUB BIM e-Checker can be found on Annex A

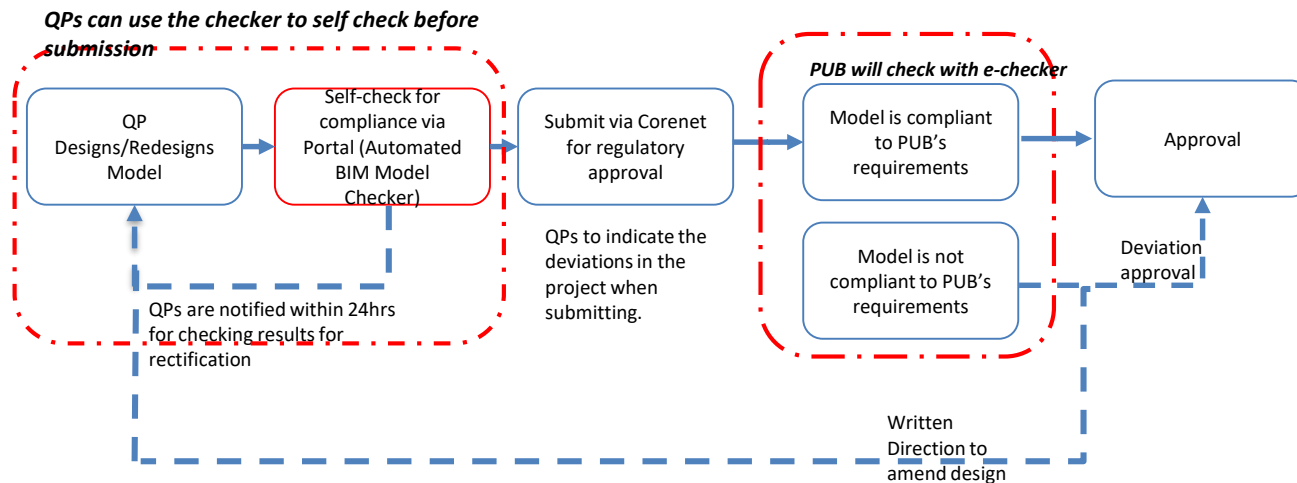
5 I look forward to have you on-board the e-Checker.

Yours faithfully,

Updated URL:
<https://Buildingplanchecker.pub.gov.sg>

PUB BIM e-Checker Sharing

How does the checker come into the workflow



PUB BIM e-Checker Sharing

How to get to the portal via PUB website

The screenshot shows a web browser window with the URL [pub.gov.sg](https://www.pub.gov.sg). The PUB logo and "SINGAPORE'S NATIONAL WATER AGENCY" are visible. The navigation bar includes links for Water Supply, Drainage, Used Water, R&D, Save Water, Get Involved, News, Compliance, and Tenders & Contracts. A dropdown menu for "Compliance" is open, showing categories: Industry Compliance, Water Supply, Drainage, Qualified Persons Portal, Used Water, and Plumbing Works. The "Qualified Persons Portal" category is highlighted with a red dashed box, and its "E-Services" link is also highlighted with a red dashed box. A notice banner at the bottom reads: "NOTICE: The Marina Barrage will be closed from 4pm to 9pm on 9 Aug". The footer includes a search bar, a Windows taskbar, and the URL <https://www.pub.gov.sg/compliance/qualifiedpersonsportal/eservices>.

Navigation Path:

- Home
- Compliance
- Qualified Persons Portal
- E-Services

Notice: The Marina Barrage will be closed from 4pm to 9pm on 9 Aug

Footer Links:

- I AM AT >>
- I WANT TO >>
- What's New
- Interactive Maps
- Qualified Persons Portal
- Help & Feedback

PUB BIM e-Checker Sharing

How to get to the portal via PUB website



E-Services

Overview

The Qualified Persons (QPs) Portal serves as a one-stop resource centre for Qualified Persons and building professionals to locate information on water, sewerage and drainage submissions to PUB, with the Building Plan Unit (BPU) as its coordinating unit. Check out the useful E-services below for assistance.

Application

[VISIT PAGE](#)

Request for Services Plans

[VISIT PAGE](#)

Submission Status Check

[VISIT PAGE](#)

Consultation Appointment Booking

[VISIT PAGE](#)

General Enquiries

[VISIT PAGE](#)

BIM e-Checker

[VISIT PAGE](#)

<https://buildingplanchecker.pub.gov.sg>

Type here to search

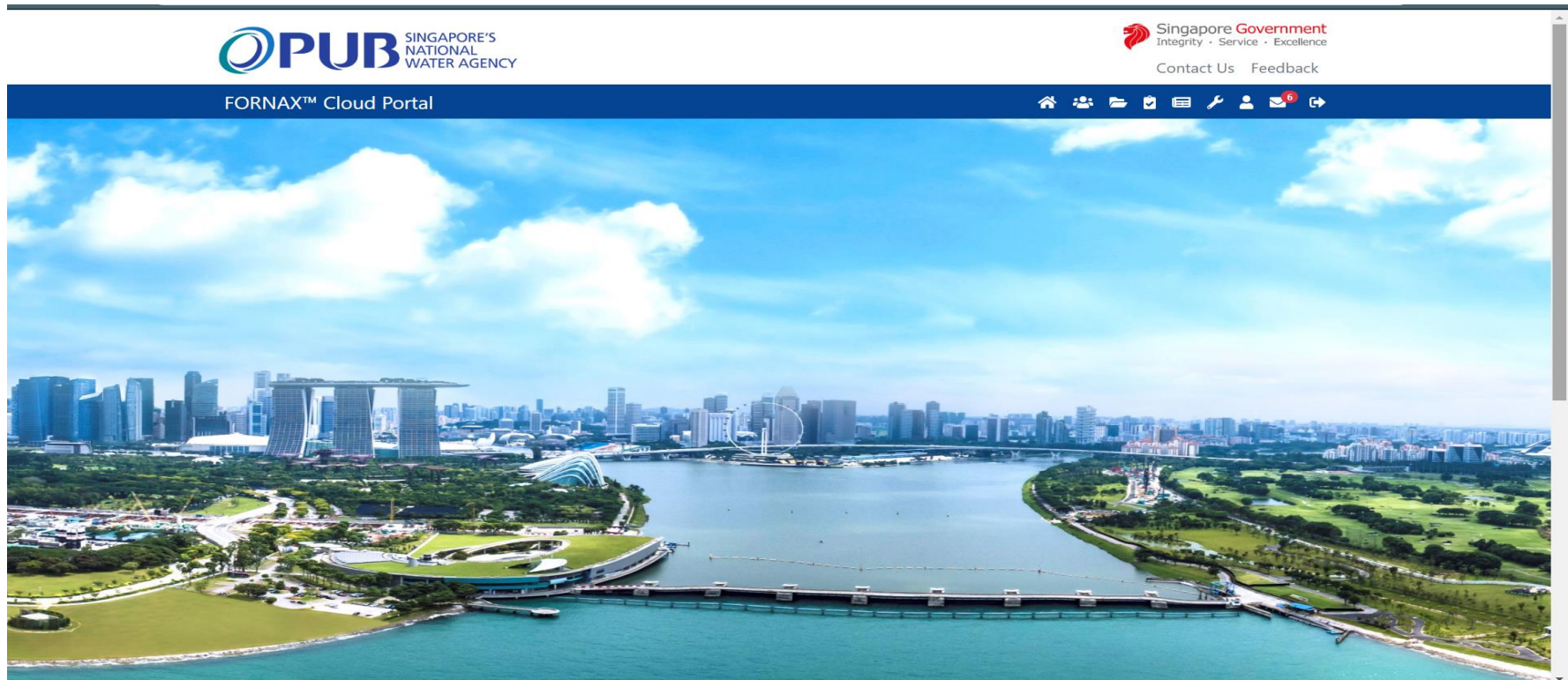


ENG

7:35 AM
10/5/2020

PUB BIM e-Checker Sharing

Portal outlook – URL: <https://www.Buildingplanchecker.pub.gov.sg>



Portal Demonstration

PUB BIM e-Checker Sharing

Modelling Requirements

- Model submitted must be converted into IFC 2x3 (IFC 4 support in progress) for the system to analyse the model
- Basic IFC properties must be input as per modelling guide (Revit and Archicad)
 - IfcExportAs
 - IfcObjectType
- Models can be split into parts and combined by the checker (federation)
- Modelling requirements can take reference to modelling guide

PUB BIM e-Checker Sharing

Available Resources on the Portal

- Modelling Guide
- Modelling Template
- PUB Standard Object Library
- Guide/Tools to help input IFC information more easily
 - IFC classification manager guide
 - Shared Parameters tool

PUB BIM e-Checker Sharing

Frequently Asked Questions

Q: How do I make a CORENET submission after I have made a check using the PUB BIM e-checker?

A: You can make a CORENET submission as per normal. The compliant report from the BIM e-Checker and the relevant IFC files are to be included in the submission. Please also email the submission number to pub_bpu@pub.gov.sg. If the IFC file is too large for submission through CORENET, you are advised to provide a link for PUB to download the IFC. Only submissions supported with checking report will be processed.

If there is a non-compliance due to site constraints, please consult PUB.

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Support

- Users who encounter any issues with the checking/modelling can approach the following contacts for help

PUB Support	NOVA Support
Low Yang You Low_yang_you@pub.gov.sg 67313223	BIM e-Checker Support bimchecker_support@nova-hub.com

- URL: <https://Buildingplanchecker.pub.gov.sg>

Thank You



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