A DVANCED
C ONSTRUCTION
I NFORMATION
D EVELOPMENT

Statutory Submission

TIMELINE

July- Oct 2016	Submission of Native BIM Files to BCA (by Pilot Firms)
Oct 2016	**VOLUNTARY** Submission of Native BIM Files to BCA (by Industry)
Oct 2017	**MANDATORY** Submission of Native BIM Files to BCA (by Industry)

2 SCOPE

The 'Code of Practice for BIM e-Submission' contains the General Requirements for submission to CORENET's Participating agencies as listed in Table 1.

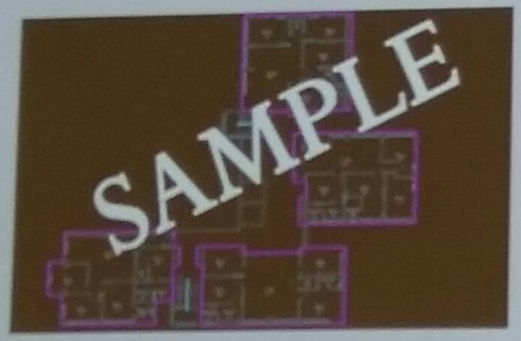
The scope includes:

- Deliverables
- Site Model Setup
- Scale
- File Naming
- View Naming
- Annotations and Dimensions
- Colour Standards
- Last Saved Views
- Cover Page
- Core Information (CI)

Note:
For more information or enquiries on the specific submission requirements, please refer to the 'Code of Practice for BIM e-Submission' discipline- specific Requirements, or consult the appropriate regulatory agency if deemed necessary.

Code Of Practice for BIM E-Submission (Architectural Requirements)

Strata/ Unit Strata Plans & Schedules



Unit Strata Plan

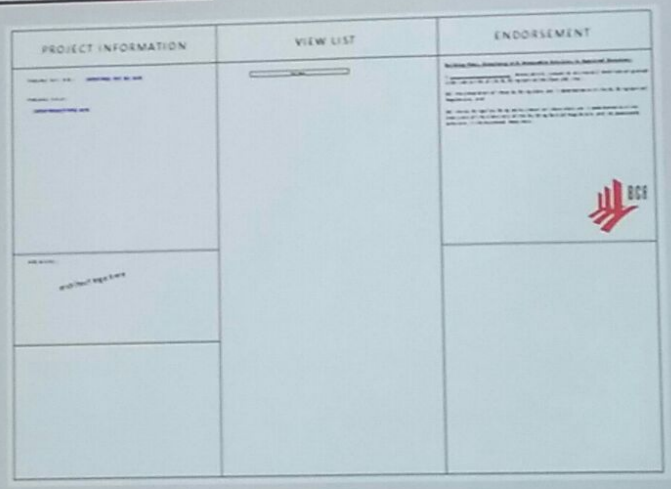
Unit No.	Unit Type	Unit Strata Area(sqm)	Unit Use
1st Storey			
01-01	A(1)	28.51	Shop
01-02	A(2)	28.51	Shop
01-03	B(1)	29.38	Shop
01-04	B(2)	29.38	Shop
01-05	B(3)	29.38	Shop
01-06	C(1)	91.8	Restaurant

Unit Strata Schedule

Code Of Practice for BIM E-Submission (General Requirements)

Objective
Scope
Deliverable format
Site Model Set-Up
Scale
File Naming Convention
View Naming Convention
Annotations & Dimensions
Colour Standards
Last Saved Views
Cover Page
Core Information

COVER PAGE



- Project Information
- Views & Schedule for approval
- Submission Authority Logo
- QP's Declaration
- Other necessary information

Code Of Practice for BIM E-Submission (Architectural Requirements)

URA Requirements

- Part 3D Views
- Unit/ Strata Unit Plans & Schedules
- Earthworks & Existing Topographic Conditions
- Envelopment Control in 3D View
- Setback & Buffer Zone in 3D View

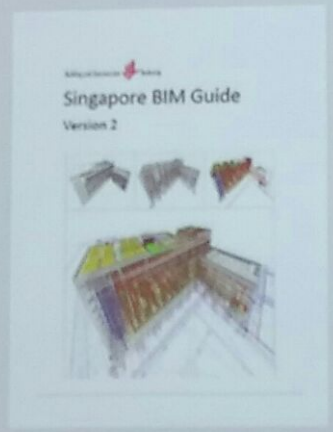
Additional Requirements from current BIM e-Submission

Code Of Practice for BIM E-Submission (General Requirements)

Objective
Scope
Deliverable format
Site Model Set-Up
Scale
File Naming Convention
View Naming Convention
Annotations & Dimensions
Colour Standards
Last Saved Views
Cover Page
Core Information

LAST SAVED VIEW / MODEL

- Load all external files
- UNC or Relative path shall be used
- Purge all unnecessary objects/ views
- Quality BIM



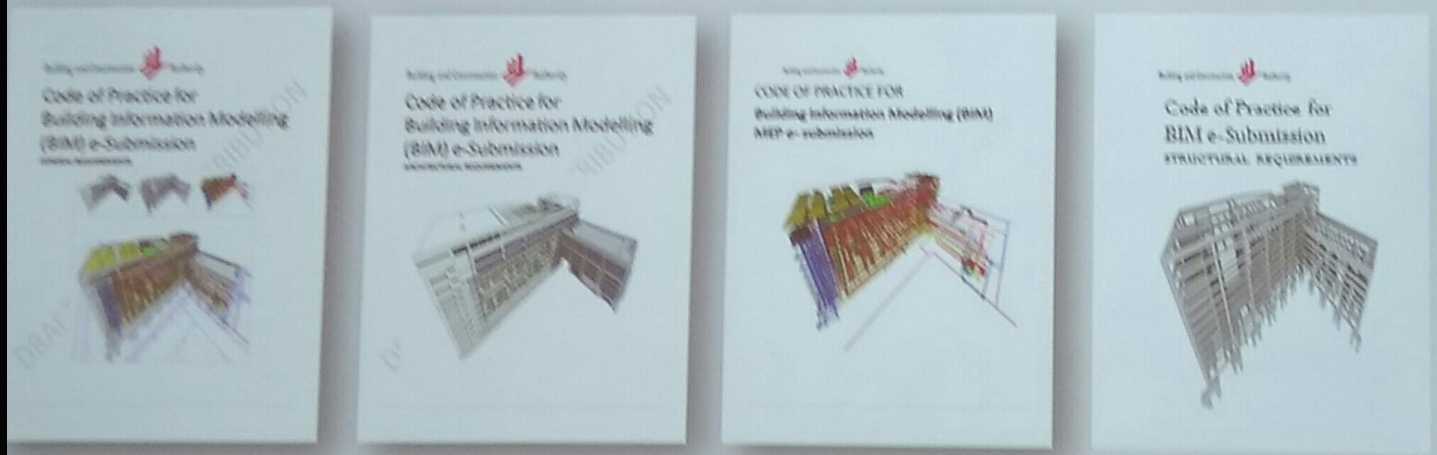
Singapore BIM Guide v2-
Appendix C
(Modelling Guidelines)

http://www.corenet.gov.sg/general/bim-guides/singapore-bim-guide-version-20.aspx

Code Of Practice for BIM E-Submission (Overview)

- General Requirements
- Architectural Requirements
- MEP Requirements
- Structural Requirements

To Launch on Oct 2016



Code Of Practice for BIM E-Submission (General Requirements)

- Objective
- Scope
- Deliverable format
- Site Model Set-Up
- Scale
- File Naming Convention
- View Naming Convention
- Annotations & Dimensions
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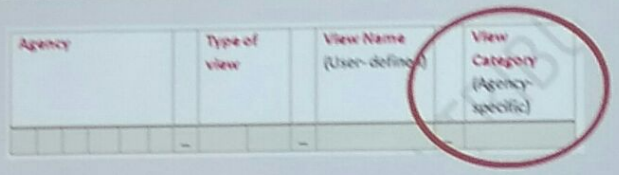
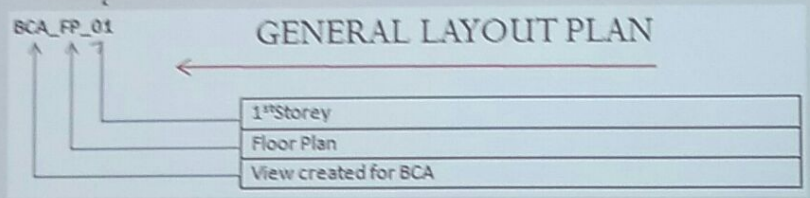
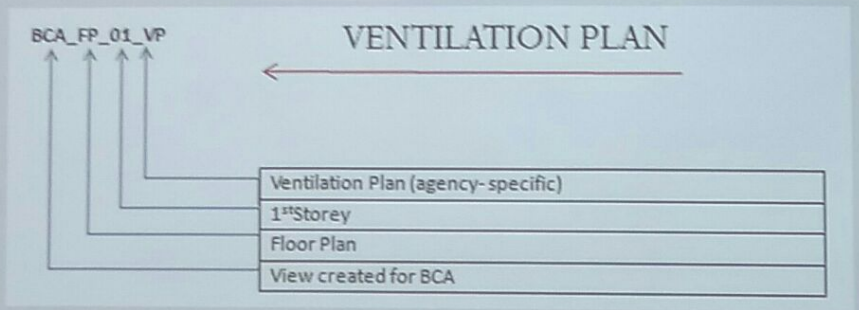
VIEW NAMING CONVENTION



Example:





Code Of Practice for BIM E-Submission (Architectural Requirements)

Schedules

- Audience Seating
- Parking Lots
- Hearing Enhancement System
- Rooms (for Hotels, Serviced Apartments, etc)
- Staircase (Industrial, Non- Industrial, Within Residential Units)
- Statistical Gross Floor Area (SGFA)

BIM Template provided will highlight Objects & Schedule that are Non- Compliances

Note

There shall be no Red colours highlighted (non- compliances) in submitted BIM.

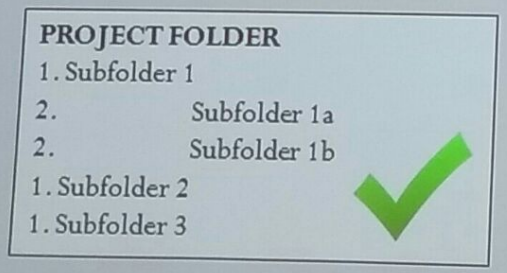
Code Of Practice for BIM E-Submission (General Requirements)

File Size (Native BIM)

- Maximum capacity of 600MB
- For >600MB files:
  - 1st 600MB (submit as ES)
  - 2nd 600MB (submit as CR)

File Structure (Native Files)

- Single File
- Federated Files
  - UNC or Relative Path shall be used.
  - Not more than 2 levels of subfolders.



Code Of Practice for BIM E-Submission (General Requirements)

- Objective
- Scope
- Deliverable format
- Site Model Set-Up
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DELIVERABLE FORMAT

URA	Native File + Light weight File
BCA	Native File; or Light weight File
Other Agencies	Light weight File

Thank you !