

BCA - [CORENET X Infobites] How Well Do You Know IFC-SG?

BCA has released a series of infobites to help industry understand CORENET X better.

# HOW WELL DO YOU KNOW IFC-SG?

**IFC is a standardised schema to describe buildings digitally**

IFC acts as a common language for sharing information between parties (e.g. owner to contractor for bidding) and for archiving project data.

**IFC models are derived from native BIM software**

Data must be first created in these native models before being exported to an IFC format. Different disciplines using different BIM tools can exchange models for viewing and coordination

**IFC is an OpenBIM format**


Being open and neutral, the IFC standard is vendor agnostic, and can be supported across various software platforms, interfaces and applications.

**IFC-SG tailors IFC to our local regulatory requirements**

IFC-SG adopts the IFC schema and includes information unique to the Singapore regulations. Use the free IFC-SG validators to check the quality of your model by ensuring all IFC-SG parameters have necessary inputs - saving your time.

**Examples of the data input required**

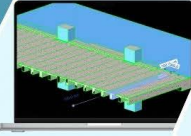
**Ramp**



S/N	IFC-SG Property	Property Type	Type of Elements	Unit	Input Limitation	Examples
1	BarrierFreeAccessibility	Boolean	-	-	Yes	TRUE / FALSE
2	Width	Length	-	mm	No	1200

Architecture


**Beam**



S/N	IFC-SG Property	Property Type	Type of Elements	Unit	Input Limitation	Examples
1	BeamSpanType	Text	All beams	-	Yes	Refer to list*
2	ConstructionMethod	Text	RC beam	-	Yes	Refer to list*
3	ReferTo2DDetail	Text	When required / relevant	-	No	Dwg. Number
4	ReinforcementSteelGrade	Text	RC beam	-	Yes	Refer to list*
5	SectionFabricationMethod	Text	Steel beam	-	Yes	Refer to list*

C&S

**Pipe**



S/N	IFC-SG Property	Property Type	Type of Elements	Unit	Input Limitation	Examples
1	PreInsulated	Boolean	-	-	Yes	TRUE / FALSE
2	ConstructionMethod	Text	-	-	-	-
3	Perforated	Boolean	-	-	Yes	TRUE / FALSE
4	Diameter	Length	-	mm	No	-
5	Material	Text	-	-	-	-

M&E


**Ready to get started on your first IFC-SG model?**

Step-by-step resources are available at [go.gov.sg/ifcsg](https://go.gov.sg/ifcsg) to guide you on how to apply the IFC-SG parameters in your respective BIM software and export to an IFC format to help you get started!

1

Code of Practice


Identify submission info required



2

BIM software


Create models



3

IFC-SG Resource Kit


Add data into models



4

IFC viewer

Check IFC models



5

CORENET X

Submit

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

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