

Introduction to BIM and LandXML for Land Surveying

Introduction

Mandatory BIM e-submission has been introduced in phases since 2013, where architectural or engineering plans are required to be submitted in the BIM format for regulatory approval based on the BIM e-submission guidelines provided by BCA.

In recent years, there is a growing demand by architects and engineers requesting for surveying plans to be in the BIM format. This will facilitate and enhance project documentation, site analysis, quantity taking-off, interference checking, construction coordination, and 3D/4D visualization.

In order to facilitate surveying data exchange between different software applications and long-term data archival, LandXML which specifies an XML (extensible markup language) file format for civil engineering design and survey measurement data can be adopted.

This course introduces the basic concepts of BIM and LandXML as well as provides hands-on training on BIM and LandXML.

Target Audience

This 1-day course is specifically for land surveyors and surveying professionals who are involved in producing land surveying information. Participants are encouraged to acquire some technical knowledge on CAD (such as AutoCAD, MicroStation and SketchUp) prior to the commencement of the course.

Course Objectives

Upon completion of the course, participants should be able to:

1. Explain the basic concepts of BIM and LandXML
2. Understand the relationship between geographic and projection coordinate systems
3. Import survey data to create BIM site model (for topographical survey only)
4. Create, import and export survey data in LandXML format

Course Outline

Day	Time	Content
Morning	0900 - 1030	<i>BIM concepts, Geographic and Projected Coordinate Systems [L*]</i>
	1030 - 1100	Tea Break
	1100 - 1200	<i>Import of Surveying Data into BIM software [P*]</i>
	1200	End of Morning Session

Day	Time	Content
Afternoon	1300 - 1430	<i>LandXML[L] Creation of LandXML [P]</i>
	1430 - 1500	Tea Break
	1500 - 1600	<i>Standards and Guides [L]:</i> <ul style="list-style-type: none">- <i>Singapore BIM Guide (BCA)</i>- <i>Standard and Specifications for 3D Topographic Surveying (Mapping) in Singapore (SLA)</i>- <i>Singapore LandXML Mapping and Structure (SLA)</i>
	1600	End of Afternoon Session

* [L] – Lecture, [P] - Practical

Course Venue:

AcePLP.com Pte Ltd
Workshop 1
159 Sin Ming Road,
#05-03 Amtech Building,
Lobby 1,
Singapore 575625.

How to get there:-

Nearest MRT Stations:
Marymount MRT, Bishan MRT,
Ang Mo Kio MRT

Bus Services:
130, 130A (Sin Ming Road)
52, 132, 162, 162M, 163, 165, 166, 167,
410, 855,
980 (Upp Thomson Road)

Registration Form

Introduction to BIM and LandXML for Land Surveying, 8 July 2018, Saturday, 9.00 am 4.00pm

Course Fee: \$350.00 (include 2 tea break) exclude prevailing GST

No	Name of Participant	Membership No. (if any)	Category	Amount \$
.Eg	XXXXXX	XXXXXX	SISV	
1	(Mr / Ms / Mrs)			
2	(Mr / Ms / Mrs)			
3	(Mr / Ms / Mrs)			
			Total Amt	\$

Company

Address

..... S()

Contact Person

Tel/HP Email

PAYMENT MODE

Receipt No : _____ (for official use)

To invoice company

Cheque (Bank/Cheque No Amount \$.....
Crossed cheque payable to "Singapore Institute of Surveyors & Valuers". Please indicate your name, company and date of event on the back of the cheque.

Via ibanking/Bank transfer. Details as follows: DBS current account no: 007 005007 0. Please email a scanned copy of the transaction reference number.

Replacement

Fees are not refundable under any circumstances. This will also apply to participants who are unable to attend on that day. However, replacement by another individual is allowed and notification must be made in writing at least 3 days before the event. In the case of a non-member replacing a member, the non-member will have to pay the fee difference.

Cancellation

SISV reserves the right to make appropriate changes when necessary and every effort will be made to inform participants. In the event of cancellation by the organiser, full refund will be given to participants.

ENQUIRIES

☎ 64240 272 (Manisah) manisah@sisv.org.sg ☎ 6222 3030 (Main) 6225 2453 (Fax)

110 Middle Road #09-00 Chiat Hong Building Singapore 188968

Website: www.sisv.org.sg