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BSI Malaysia

BSI BIM Course- 4 Days Proposed

Agenda

Day 1

Time	Topic
09.00	Benefits to you, welcome and introductions
	Course aims, objectives and structure
	Background and context • What is BIM? • Why BIM? • History • Government Construction strategy • Industrial strategy 2025 • Digital built Britain • Global context
	BIM and Collaborative Working • What is collaborative Working? • Successful Collaborative Relationships • BIM processes that support collaboration • Roles and responsibilities • Team structure and dynamics
	Defining BIM Level 2 • Government Task Group objectives • What is BIM Level 2? • Government Task Group – Progress to date • Government Task Group – Assessing Success • What's next?
	Government Soft Landings • Principles of GSL initiative • Whole life vs. Capital Costs • BSRIA Soft Landings • Comparison of the GSL and Soft Landings Framework • Impacts on Contracts and Procurement • Key activities • Post Occupancy and In Use • Relationships
	BIM implementation • Strategic goals • Management structure • Learning Resources and Education • Technical knowledge • Relationships and communication • Supply chain Assessment

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| 17.00 | Reflection and feedback |
| | Close of day |

Day 2

Time	Topic
09.00	**BIM Level 2 Fundamentals** • Context for collaborative working • How BIM enables a better relationship between design/construction and occupation • Defining BIM level 2
	Standards and BIM level 2 • Overview • Why use Standards? • Standards supporting Level 2 BIM • The 1192 suite explained • The Commercial suite
	Roles and responsibilities • Identifying Roles • Client Focused Roles • PAS 1192-2 recommended roles • Project information management role • Task information management • Asset Information Management • Built Asset Security Management
	Technology and BIM • Open BIM • Interoperability • BIM Dimensions • Information Modelling • What is COBie? • Data drops • Digital Plan of Work • Digital Plan of Works • Level of Definition
	Security issues and BIM level 2 • Context • Why is security important? • Strategy • Questions • Built asset security strategy (BASS) • Built Asset Security Management Plan (BASMP) • Built asset security information requirements (BASIR) • Work Stages and Decision Points

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	Asset management and BIM • Business process and review • Asset Information • Asset Management Delivery Process • Information exchange • Asset Information Model • CDE and the AIM • Roles and responsibilities
	• Reflection and feedback
	Close of day

Day 03

Time	Topic
	Standards supporting the BIM process • Summary • 1192 Series • The relationship between ISO 9001 and BIM • The relationship between ISO 55000 and BIM • BS 7000-4 and BIM • PAS 1192-2 information delivery cycle
	Commercial Arrangements • Using a BIM protocol • Guide to PI • Role of the Information Manager • Client responsibilities • Procurement
	Managing whole life vs. capital/delivery phase • Summary and key points • PAS 1192-3 processes and guidance • Organizational information requirements • Asset information model • Facilities management and BIM
	Project Processes • The process of reviewing an EIR • Proof of capability • Project implementation Plan • Supplier Assessment • Pre contract BIM execution Plan
	Starting the project • Appointments • Responsibilities

	• Post contract BEP • Model Production Delivery Table • Task information Delivery Plan • Master Information Delivery Plan • Setting up the Project (DPoW)
	The Project Information Model • Fundamentals and basics • Graphical vs. non-graphical data • Information exchanges • Managing Data Drops • COBie UK 2012 data exchange
	Sharing BIM data • The process • Common data environment (CDE) • Status Codes • Approval gates • Checking/amalgamating and co-ordinating • Sharing Sensitive Data

Day 04

Time	Topic
	Management of information • The Information Delivery Cycle • Managing information gateways • Information delivery - stages • Pre vs. post-contract BEP – information requirements • Model Production Delivery Table – information requirements • NBS BIM Toolkit • Digital Plan of Works
	Role of information management • Overview of the role • Responsibilities • CDE management • Project Information Management • Collaborative working Information Exchange
	Sharing and filing • BS1192-1 Basics • Naming of containers

	• Codes and abbreviations • Volume strategy • Project space • Quality management of information • Common Data Environment information share • Classification
	Client responsibilities - information • Plain Language Questions • The EIR • BIM and facilities management – what information is needed? BIM and asset information requirements – Ensuring data is captured
	Level of Definition • Level of Definition (LOI vs. LOD) • Classification and mapping • Managing LOD expectations • Aligning deliverables to the EIR and MIDP • Responsibilities
	COBie - information management • COBie history • What is COBie? • Data drops • Challenges • IM in line with BS 1192-4 • Ways of collating data • Extracting data • What it looks like • COBie worksheets • Checking data • COBie and IFC Digital Plan of Works
	• Close of day