

# BIM Acronyms



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Original Document Author - Rob Jackson

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P13	S2	2016-03-09	Uniclass2 acronyms changed to Uniclass 2015.

Front cover image - Sandwell College, UK

## BIM Acronyms

### No.

2D	2-dimensional
3D	3-dimensional
4D	Time
5D	Cost

### A

Ac	Activities table (Uniclass 2015)
AD4	Asset Data Dictionary Definition Document (Crossrail Limited)
ADM	Activity Definition Model
ADMM	Asset Data Management Manual (Highways Agency)
ADQ	Actual Digital Questions
AEC	Architectural, Engineering and Construction
AEC/FM	Architecture, Engineering, Construction and Facilities Management
AIA	American Institute of Architects (US)
AIM	Asset Information Model / Modelling
AIMS	Asset Information Management System (Crossrail Limited)
AIR	Asset Information Requirements
AM	Asset Management
AMO	Asset Management Office (Highways Agency)
AMP	Agreed Maximum Price
API	Application Programming Interface
APM	Association for Project Management
ASP	Application Service Provider
AU	Autodesk University
AWP	Advanced Work Packaging
Avanti	(UK Government sponsored to assist collaboration)

### B

B&ES	Building and Engineering Services Association (formerly known as HVCA)
BAF	BIM Academic Forum
BAS	Building Automation System
BASIR	Built Asset Security Information Requirements
BASMP	Built Asset Security Management Plan
BASS	Built Asset Security Strategy
BCF	BIM collaboration format
BEP	BIM Execution Plan
BES	Building Energy Simulation
BIM	Building Information Model / Modelling / Management
BIM(M)	Building Information Modelling and Management
BIS	UK Department for Business, Innovation and Skills
BLPU	Basic Land and Property Unit
BMS	Building Management System
BOOT	Build-own-operate-transfer
BQ	Bill of quantities
BQBS	Bill of quantities (or BQ) breakdown structure
BRE	Building Research Establishment
BREEAM	Building Research Establishment's Environmental Assessment
BrIM	Bridge Information Model
BS	British Standard
bSa	buildingSMART alliance
bsDD	buildingSMART Data Dictionary

## BIM Acronyms continued

bSI	buildingSMART International
BSI	British Standards Institute
BSIM	Building Services Information Model
BSRIA	Building Services Research and Information Association
BUS	Building Use Studies
BYOD	Bring Your Own Device
<b>C</b>	
CA	Contract Administrator or Construction aids table (Uniclass 2015)
CAD	Computer Aided Design
CADD	Computer Aided Design and Drafting
CAFM	Computer Aided Facilities Management
CAM	Computer Aided Manufacture
CAPEX	Capital Expenditure
CATIA	Computer Aided Three-dimensional Interactive Application
CAWS	Common Arrangement of Work Sections
CBS	Cost Breakdown Structure
CD	Compact Disc
CDE	Common Data Environment
CDF	Common Data Format
CDM	Construction (Design and Management) Regulations
CDPA	Copyright, Designs and Patent Act
CE	Constructing Excellence
CEN	European Committee for Standardisation
CERL	Construction Engineering Research Laboratory (USACE)
CFD	Computational Fluid Dynamics
C/I	Civils/Infrastructure
CIAT	Chartered Institute of Architectural Technologists
CIBSE	Chartered Institution of Building Services Engineers
CIC	Construction Industry Council
CIO	Chief Information Officer
CIOB	Chartered Institute of Building
CIRIA	Construction Industry Research and Information Association
CIS	Construction Information Service
CISO	Chief Information Security Officer
CITE	Construction Industry Trading Electronically
CMM	Capacity Maturity Model or Coordinate Measurement Machine
CMMS	Computerised Maintenance and Management System
CNC	Computer Numerical Control
Co	Complexes table (Uniclass 2015)
COBie	Construction Operations Building information exchange
CoP	Code of Practice
CPI	Co-ordinated Project Information
CPIC	Construction Project Information Committee
CPIx	Construction Project Information Xchange
CPMS	Capital Planning and Management System
CPNI	Centre for the Protection of National Infrastructure
CPR	Construction Progress Reporting
CR	Clash Rendition
CRC	Carbon reduction commitment
CRL	Crossrail Limited
CRS	Coordinate Reference System

## BIM Acronyms continued

CRUD	Create, Read, Update and Delete
CRV	Capitalised replacement value
CSG	Constructive Solid Geometry
CSI	Construction Specifications Institute
CWP	Construction Work Package

### **D**

D&B	Design and Build
DBB	Digital Built Britain
DBFO	Design, Build, Finance, Operate
DBMS	Data Base Management System
DCF	Discounted cash flow
DCLG	Department for Communities and Local Government
DDS	Data Design System
DFMA	Design for Manufacturer and Assembly
DfT	Department for Transport
DMS	Document Management System
DPP	Developed Constructor Proposals
DRC	Depreciated reinstatement cost
DQI	Design Quality Indicator

### **E**

EAM	Enterprise Asset Management
EC	European Committee
ECI	European Construction Institute or Early Contractor Involvement
EDI	Electronic Data Interchange
EDM	Electronic Distance Measurement
EDMS	Electronic Data Management System
EF	Elements/ functions table (Uniclass 2015)
EIR	Employer's Information Requirements
ELR	Engineering Line of Reference
En	Entities table (Uniclass 2015)
EN	Euronorm
EOTA	European Organisation for Technical Approvals
EP	European Parliament
EPC	Energy Performance Certificate or Engineer Procure Construct
EPCM	Engineer Procure Construct Manage
EQM	European Quality Mark
ERDC	Engineering Research and Development Center
ERP	Enterprise Resource Planning
ETC	Engineering and Technology Board
EUQ	Element unit quantity
EUR	Element unit rate
EVA	Earned Value Analysis
EMP	Early Works Packages
EWP	Engineering Work Package

## BIM Acronyms continued

<b>F</b>	
FCI	Facilities Condition Index or Function condition indexation
FEE	Fabric Energy Efficiency
FFE	Furniture, Fitting and Equipment
FI	Form of information table (Uniclass 2015)
FFL	Finished Floor Level
FIM	Facilities Information Model
FM	Facilities Management
FMA	Facilities Management Association
FMI	Function maintenance indexation
FMP	Forward maintenance plans (or programme)
FFP	Fitness-for-purpose
FRI	Function re-investment indexation
FTP	File Transfer Protocol
<b>G</b>	
gbXML	Green Building Extensible Modelling Language
GCCB	Government Construction Client Group
GCS	Government Construction Strategy
GDL	Geometric Description Language
GEA	Gross external area
GHG	Green House Gases
GIA	Gross internal area
GIFA	Gross internal floor area
GIS	Geographical Information System
GML	Geography Markup Language
GNSS	Global Navigation Satellite System
GPS	Global Positioning System
GRIP	Governance for Railway Investment Projects
GSA	Government Services Administration (US)
(G)SL	(Government) Soft Landings
GWP	Global Warming Potential
GUID	Globally Unique Identifier
<b>H</b>	
H&S	Health and Safety
HA	Highways Agency
HMG	Her Majesty's Government
HSE	Health and Safety Executive
HSSE	Health, Safety, Security and Environment
HVAC	Heating, Ventilation, Air Conditioning
<b>I</b>	
IAI	International Alliance for Interoperability (now known as buildingSMART)
IAM	The Institute of Asset Management
IBC	Institute for BIM in Canada
IBD	Intelligent Building Data
iBIM	Integrated Building Information Modelling
ICE	Institution of Civil Engineers and Innovative Contractor Engagement
ICIS	International Construction Information Society
ICT	Information and Communications Technology
ID	Identification

## BIM Acronyms continued

IDM	Information Delivery Manual
ie	information exchange
IFC	Industry Foundation Classes
IFD	International Framework for Dictionaries
IFMA	International Facility Management Association
IG	Irish Grid
IGES	International Graphics Exchange Standard
IM	Information Modelling
IMP	Information Management Process
IMU	Inertial Measurement Unit
IPD	Integrated Project Delivery
IP	Intellectual Property
IPI	Integrated Project Insurance
IPP	Initial Project Proposals
IPR	Intellectual Property Rights
IR	Information Requirements
IRMP	Integrated Risk Management Plan
IS	International Standard
ISG	Implementation Support Group (buildingSMART)
ISO	International Organisation for Standardization
IaaS	'Infrastructure as a Service'
IT	Information Technology
IUK	Infrastructure UK
IWMS	Integrated Workplace Management Systems
IWP	Installation Work Package
<b>J</b>	
JCT	Joint Contract Tribunal
JIB	Joint Industry Board
JV	Joint Venture
<b>K</b>	
KPI	Key Performance Indicator
<b>L</b>	
LADAR	Laser detection and ranging
LAM	Laser Aided Modelling
LAN	Local Area Network
LCC	Life cycle cost of life cycle costing
LCie	Life Cycle information exchange
LCR	Life cycle repairs/replacement (renewal)
LCS	Location Coding System (London Underground)
LEED	Leadership in Energy & Environmental Design
LIDAR	Light detection and ranging
LOD	Level of Definition or Level of model Detail (in the US this can be Level of Development)
LOI	Levels of model Information
LRM	Linear Referencing Method
LRS	Linear Referencing System
LU	London Underground
LZC	Low to zero carbon

## BIM Acronyms continued

### M

MEP	Mechanical, electrical and plumbing
M&E	Mechanical and electrical
M&O	Maintenance and Operations
MIDI	Master Information Delivery Index
MIDP	Master Information Delivery Plan
MOOC	Massive Open Online Classes
MWHW	Method of Measurement for Highway Works (Highways Agency)
MPDT	Model Production and Delivery Table
MQC	Model Quality Control
MSG	Model Support Group (buildingSMART)
MVD	Model View Definition

### N

NaaS	‘Native as a Service’
NaCTSO	National Counter Terrorism Security Office
NAO	National Audit Office
NBIMS	National Building Information Modeling Standard (US)
NBS	National Building Specification
NC	Numerical Control
NDA	Non-Disclosure Agreement
NDEA	Non-domestic energy assessment
NEC	New Engineering Contracts
NEC3	New Engineering Contract (3rd Iteration of the NEC contract)
NF	National Framework
NIA	Net Internal Area
NIBS	National Institute of Building Sciences (US)
NIEM	National Information Exchange Model
NIEP	National Improvement and Efficiency Partnership
NIST	National Institute of Standards and Technology (US)
NMS	National Master Specification
NPC	Net present cost
NPV	Net present value
NRM	New Rules of Measurement
NURBS	Non Uniform Rational B-Spline Surface

### O

O&M	Operations and maintenance
OASIS	Organisation for the Advancement of Structured Information Standards
OBS	Organisation Breakdown Structures
OCE	Order of cost estimates
OCI	Optimised Contractor Involvement
ODA	Olympic Delivery Authority
OGC	Office of Government Commerce
OHLE	See OLE
OIR	Organizational Information Requirements
OLE	Overhead Line Electrification
OMSI	Operations and Maintenance Support
OPEX	Operational Expenditure
OPS	Outline Procurement Strategy
OR	Operational Rating
OS	Ordnance Survey



## BIM Acronyms continued

OWL (Web Ontology Language)

### **P**

PaaS 'Platform as a Service'  
 PACE Property Advisers to the Civil Estate  
 PAM Property Asset Management  
 PARL Percentage asset remaining life  
 PAS Publicly Available Specification  
 PCI Pre-Construction Information  
 PC Prime Cost or Practical Completion  
 PC Sum Prime Cost Sum  
 PDM Project Delivery Manager  
 PDS Product Data Sheet  
 PDT Product Data Template  
 PEP Project Execution Plan  
 PFI Private Finance Initiative  
 PIB Planned inspection of buildings  
 PII Professional Indemnity Insurance or Personal Identifiable Information  
 PIM Project Information Model  
 PIN Prior Indicative Notice  
 PIP Project Implementation Plan  
 PIX Project Information Exchange  
 PLQ Plain Language Questions  
 PP Project management table (Uniclass 2015)  
 POE Post-occupancy Evaluation  
 PPC Project Partnering Contracts  
 PPM Planned preventive maintenance  
 PQQ Pre-Qualification Questionnaire  
 Pr Products table (Uniclass 2015)  
 PSCD Public Sector Construction Database  
 PV Present value or Solar Photovoltaic

### **Q**

QA Quality Assurance  
 QL Quality Level  
 QS Quantity Surveyor  
 QTO Quantity Take Off

### **R**

R&D Research and Development  
 RACI Responsible, Accountable, Consulted and Informed  
 RASCI Responsible, Accountable, Support, Consulted and Informed  
 RAG Red Amber Green  
 RBS Requirement Breakdown Structure  
 RCM Reliability centred maintenance  
 RDS Room Data Sheet (or Room Data Schedule)  
 RIA Regulatory Impact Assessment  
 RIAS Royal Incorporation of Architects in Scotland  
 RIBA Royal Institute of British Architects  
 RICS Royal Institute of Chartered Surveyors  
 RFI Request for Information  
 RFID Radio-frequency Identification

## BIM Acronyms continued

RFP	Request for Proposal
RGB	Red Green Blue
RIEP	Regional Improvement and Efficiency Partnerships
RIT	Room Integrity Testing
ROI	Return on Investment
RPI	Retail price index (or indices)
RSES	Register of Security Engineers and Specialists
RSL	Reference service life
RTC	Revit Technology Conference
RUG	Revit User Group

### **S**

SA	Site area
SaaS	'Software as a Service'
SAP	Standard Assessment Procedure
SBEM	Simplified Building Energy Method
SB/IMP	Security Breach/Incident Management Plan
SBS	Small Business Service or System Breakdown Structure
SCADA	Supervisory control and data acquisition
SCCS	Supply Chain Capability Summary
SDNF	Steel Detailing Neutral Format
SDO	Standards Developing Organization
SDS	Space Data Sheet (or Space Data Schedule)
SIA	Security Industry Authority
SIL	Safety Integrity Level
SIM	Structural Information Model
SKOS	Simple Knowledge Organisation System
SL	Spaces/ locations table (Uniclass 2015)
SME	Small and Medium Enterprises
SMM	Standard Method of Measurement
SMP	Standard Method and Procedure
SPARQL	SPARQL Protocol and RDF Query Language
SPie	Specifiers' Properties information exchange
SPF	STEP Physical File
SPFF	STEP Physical File Format (IFC)
SSL	Structural Slab Level
STEP	Standard for Exchange of Product data
STL	Standard Tessellation Language
Ss	Systems table (Uniclass 2015)
SQL	Structured Query Language

### **T**

TA	Technical Adviser
TBM	Temporary Benchmark or Tunnel Boring Machine
TER	Target Emission Rate
TIDP	Task Information Delivery Plan
TL	Tube Lines
TLS	Terrestrial Laser Scanner
TOID	Topographic Identifier
TPI	Tender price index (or indices)

## BIM Acronyms continued

### U

UC	Use Case
UK	United Kingdom
UKCG	United Kingdom Contractors Group
UML	Unified Modelling Language
Uniclass	Unified Classification System
UPRN	Unique Property Reference Number
URI	Uniform Resource Identifier
USACE	United States Army Corps of Engineers
UUID	Universally Unique Identifier
UXB	Unexploded bomb

### V

VC	Virtual Construction
VDC	Virtual Design and Construction
VFM	Value For Money
VPN	Virtual Private Network
VRML	Virtual Reality Modelling Language

### W

WAN	Wide Area Network
WBDG	Whole Building DesignGuide
WBS	Work Breakdown Structure
WIP	Work In Progress
WLC	Whole Life Costing
WRAP	Waste & Resources Action Programme

### X

XML	eXtensible Markup Language
X-REF	Cross reference
XSLT	eXtensible Stylesheet Language Transformations
XSP	Cross Section Positions

### Z

Zz	CAD table (Uniclass 2015)
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A Bond Bryan Digital, The Church Studio, Sheffield, S10 1LP  
T +44 (0)114 266 2040  
E [digital@bondbryan.co.uk](mailto:digital@bondbryan.co.uk)  
W [www.bondbryan.com](http://www.bondbryan.com)  
Tw [@bondbryanBIM](https://twitter.com/bondbryanBIM)

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