BDM Data Standard – Premises
v0.4
09 November 2009

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Document Version History

Version	Status	Date	Modified by	Change description	Section & line Ref	Changed from	Changed to	Effects of change
0.1	Draft	18/09/2009	DFoster	Initial Draft	-	-	-	-
0.2	Draft	30/10/2009	LHogarth	Description changes Name of Standard Changed Added Stakeholder Premises Unit Description				
0.3	Draft	02/11/2009	TKnowles LHogarth	Definitions Amended Document Map updated to show Side Notes and Appendix replaced with a reference to new document				
0.4	Draft	09/11/2009	LHogarth	Definitions Amended				

Contents

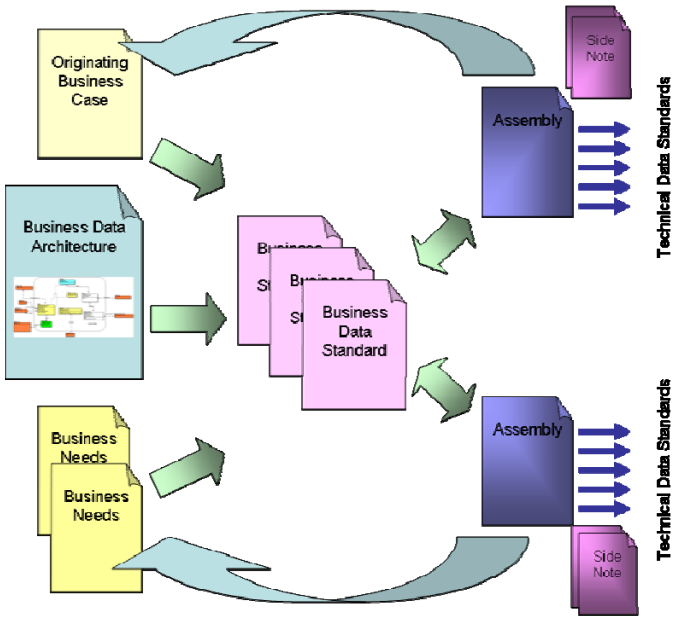
Introduction

This Business Data Standard has been designed to satisfy all Education Skills and Children's Services (ESCS) business needs to exchange information about premises.

It describes data that relates to a premises. Premises are physical buildings or facilities that are used by stakeholders. Premises range from a entire campus, down to an individual classroom. The premises are grouped together in a hierarchical structure to show which premises are part of larger units, etc.

A Business Data Standard is defined in response to a business need captured in a Business Case. In development, every effort is made to ensure that the Business Data Standard is capable to support all ESCS business needs for the same data. The Business Case may in fact give rise to a number of Business Data Standards, and the way that the standards are associated to meet the originating business need is shown via an "Assembly" document. Each Assembly may in addition need some guidance regarding Data Quality issues and implementation issues and these are contained in "Side Notes".

The related documents are shown in the following diagram:



Many ESCS ICT systems will need to define Technical Data Standards that specify an encoding schema for data exchange and may include implementation-specific details. Such Technical Data Standards may conform to this and other ESCS ISB Business Data Standards. Those that do conform can be assured that their data will be interchangeable with any other conformant systems. A Technical Data Standard may indicate that within the scope of its use one or more attributes are Mandatory.

This Business Data Standard shows how information relating to Premises

shall be structured into entities and relationships according to the ESCS Business Data Architecture and enumerates and defines each information attribute in terms of:

- The relationships between entities in this standard and further entities defined in other standards
- The semantics, or meaning, of each entity and each attribute
- The data type, field length and construction rules for each attribute in an encoding-independent manner.
- Where the value of an attribute is to be defined by a list of permitted values (a “code list”), a reference to the relevant code list standard
- Where the standard relates to information defined by a standard from an external organisation (ISO, BSI, CEN etc) then this will also be noted.
- Any business rules (e.g. mandatory status) that are true for *every* business use of the standard.

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Data Standard

Entity relationships

The following diagrams shows the entities covered in this standard and their relationships to each other. The diagrams are:

- Entity Definition Model – A high level diagram extracted from the ESCS Business Data Architecture showing just the entities, their descriptions and the relationships between the entities.
- Attribute Model – A lower level diagram also extracted from the ESCS Business Data Architecture showing the entities and the names of their attributes. Entities are divided into two sections. The top section contains only attributes that form the primary key of the entity and the remaining attributes are in the bottom section.

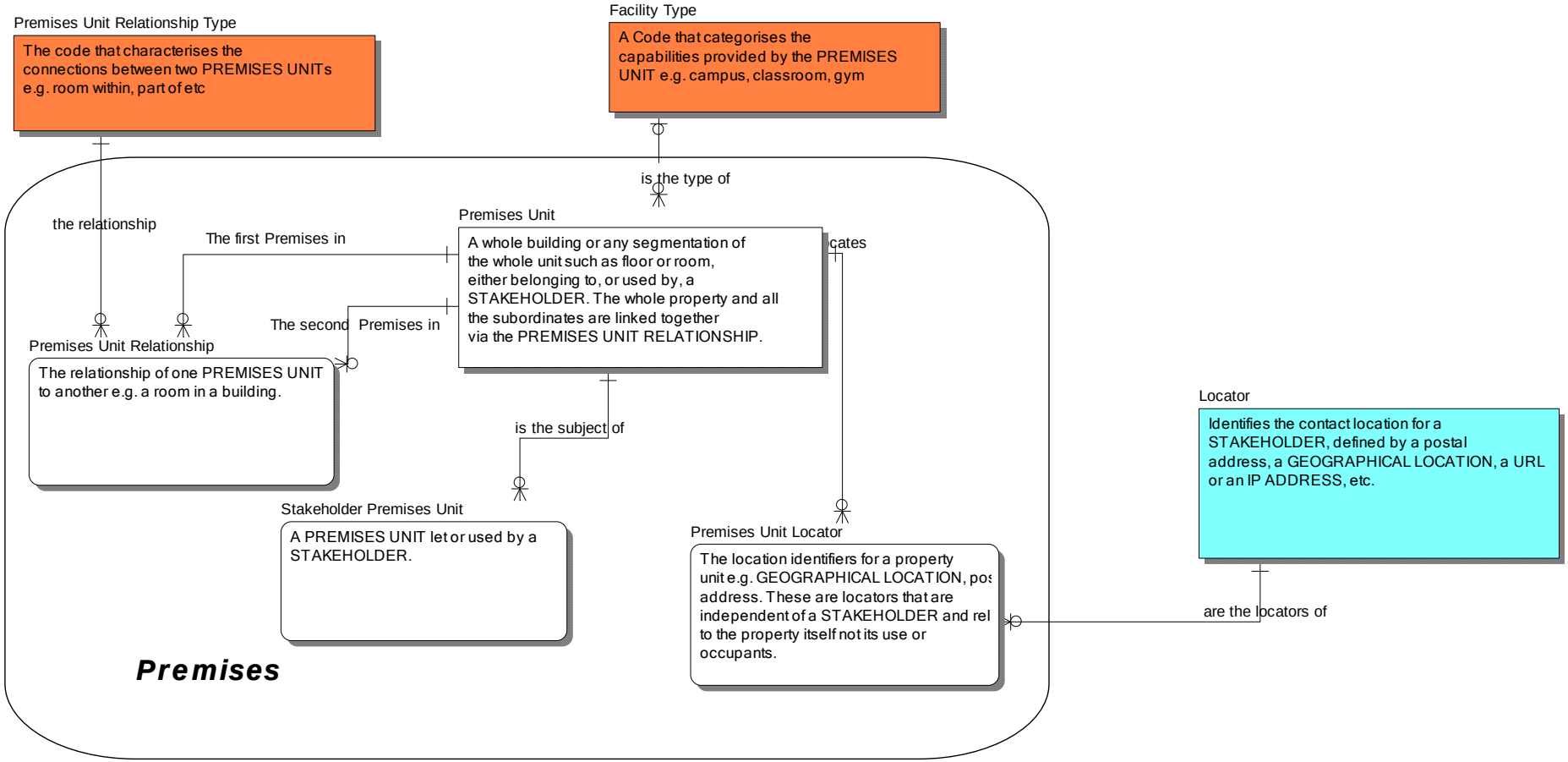
Diagram Notation

The notation used follows the Business Data Architecture Document notation (refer to ESCS Business Data Architecture document for further details). Only those entities within the boundary square are to be part of the particular data standard. Those entities outside of the boundary square are for context purposes only, or are separate reference data (orange coloured entities)

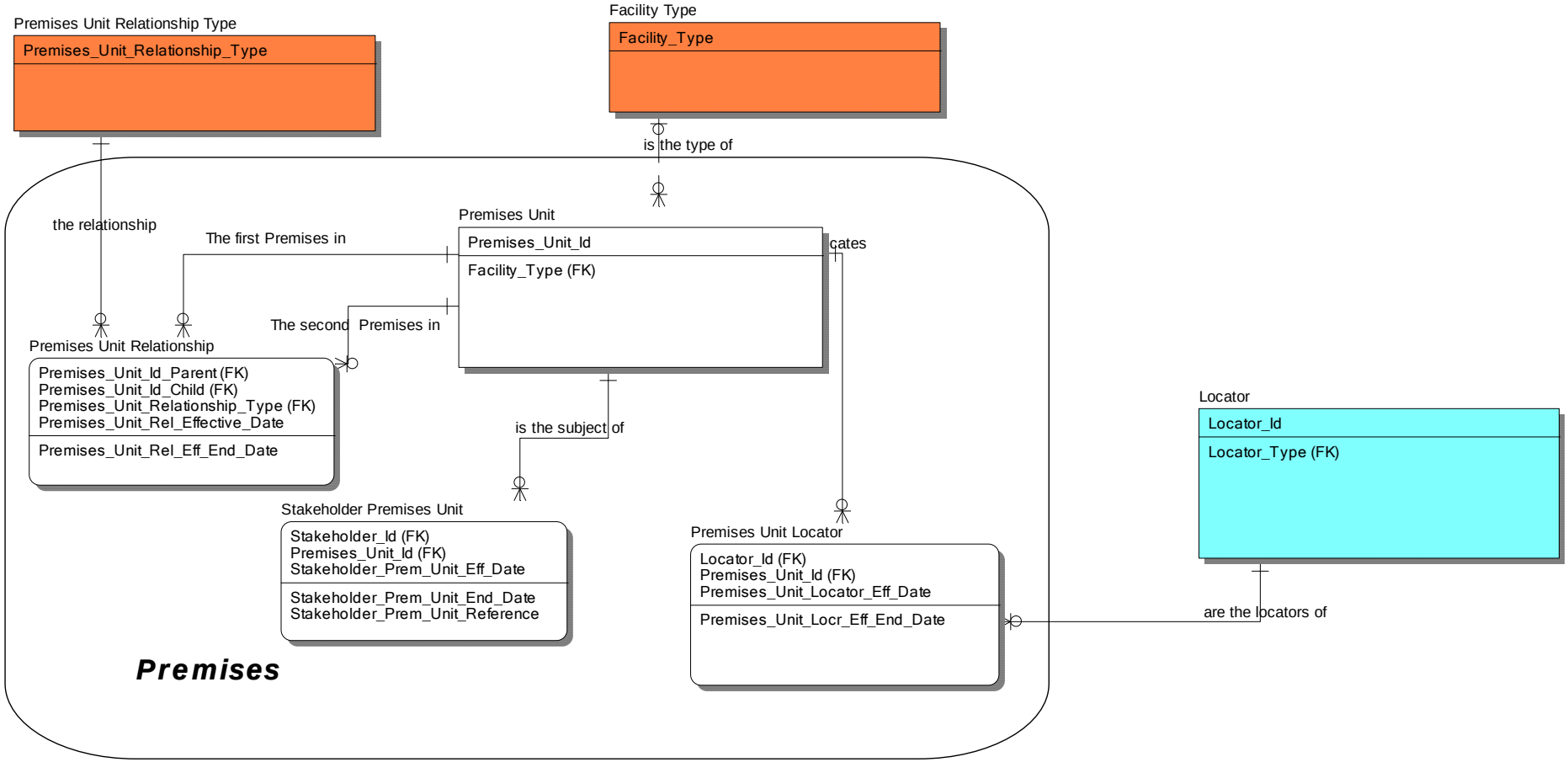
Entity and Attribute Naming Standards and Conventions used

The standards for Business Data Architecture naming and conventions used for this development is Business Data Architecture Naming Standards and Conventions Vs 1.2 by Steve Palmer.

Entity Definition Model



Attribute Model



Data definitions

The following section further describes the entities and their attributes covered in this standard.

PK = Primary Key Attribute

FK =Foreign Key Attribute

M = Mandatory Attribute

NOTE: Data Types are defined according to the conventions set out in the document "BDM Data Standard – Data Type Expressions"

Entity: Premises_Unit

A whole building or any segmentation of the whole unit such as floor or room, either belonging to, or used by, a STAKEHOLDER. The whole property and all the subordinates are linked together via the PREMISES UNIT RELATIONSHIP.

Attribute Name	Attribute Definition	PK	FK	M	Datatype	Parent Entity	Parent Attribute	Code List
Premises_Unit_Id	A value that denotes and uniquely distinguishes the PREMISES UNIT at which this LEARNING OPPORTUNITY will primarily be delivered if this is not virtual learning	Y	N	Y	Simple_String (1, 50)			
Facility_Type	A Code that categorises the capabilities provided by the PREMISES UNIT e.g. campus, classroom, gym	N	Y	N	Simple_String (1, 50)			CL_Facility_Type

Entity: Premises_Unit_Relationship

The relationship of one PREMISES UNIT to another e.g. a room in a building.

Attribute Name	Attribute Definition	PK	FK	M	Datatype	Parent Entity	Parent Attribute	Code List
Premises_Unit_Id_Parent	A value that denotes and uniquely distinguishes the PREMISES UNIT at which this LEARNING OPPORTUNITY will primarily be delivered if this is not virtual learning	Y	Y	Y	Simple_String (1, 50)	Premises_Unit	Premises_Unit_Id	
Premises_Unit_Id_Child	A value that denotes and uniquely distinguishes the PREMISES UNIT at which this LEARNING OPPORTUNITY will primarily be delivered if this is not virtual learning	Y	Y	Y	Simple_String (1, 50)	Premises_Unit	Premises_Unit_Id	
Premises_Unit_Relationship_Type	The code that characterises the connections between two PREMISES UNITs e.g. room within, part of etc	Y	Y	Y	Simple_String (1, 50			CL_Premises_Unit_Relationship_Type
Premises_Unit_Rel_Effective_Date	The date and time from which the PREMISES UNITs start being related	Y	N	Y	Simple_Date_Time			
Premises_Unit_Rel_Eff_End_Date	The date and time from which the PREMISES UNITs stop being related	N	N	N	Simple_Date_Time			

Entity: Premises_Unit_Locator

The location identifiers for a property unit e.g. GEOGRAPHICAL LOCATION, postal address. These are locators that are independent of a STAKEHOLDER and relate to the property itself not its use or occupants.

Attribute Name	Attribute Definition	PK	FK	M	Datatype	Parent Entity	Parent Attribute	Code List
Locator_Id	A value that denotes and distinguishes the LOCATOR.	Y	Y	Y	Simple_String (1,36)	Locator	Locator_Id	
Premises_Unit_Id	A value that denotes and uniquely distinguishes the PREMISES UNIT at which this LEARNING OPPORTUNITY will primarily be delivered if this is not virtual learning	Y	Y	Y	Simple_String (1, 50)	Premises_Unit	Premises_Unit_Id	
Premises_Unit_Locator_Eff_Date	The date and time from which the LOCATOR starts being related to the PREMISES UNIT	Y	N	Y	Simple_Date_Time			
Premises_Unit_Locr_Eff_End_Date	The date and time from which the LOCATOR stops being related to the PREMISES UNIT	N	N	N	Simple_Date_Time			

Entity: Stakeholder_Premises_Unit

A PREMISES UNIT let or used by a STAKEHOLDER.

Attribute Name	Attribute Definition	PK	FK	M	Datatype	Parent Entity	Parent Attribute	Code List

Stakeholder_Id	A value that denotes and distinguishes the STAKEHOLDER	Y	Y	Y	Simple_String (1, 32)	Stakeholder	Stakeholder_Id	
Premises_Unit_Id	A value that denotes and uniquely distinguishes the PREMISES UNIT at which this LEARNING OPPORTUNITY will primarily be delivered if this is not virtual learning	Y	Y	Y	Simple_String (1, 50)	Premises_Unit	Premises_Unit_id	
Stakeholder_Prem_Unit_Eff_Date	The date and time from which the STAKEHOLDER starts being related to the PREMISES UNIT	Y	N	Y	Simple_Date_Time			
Stakeholder_Prem_Unit_End_Date	The date and time the STAKEHOLDER ends its relationship to the PREMISES UNIT	N	N	N	Simple_Date_Time			
Stakeholder_Prem_Unit_Reference	A value that the STAKEHOLDER uses to denote and distinguish the PREMISES UNIT.	N	N	N	Simple_String (1, 255)			