

Information Object

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Document Version History

Version	Status	Approval Date	Issue Date	Modified by	Description
1.0	Approved: Recommended	27/11/2012	27/11/2012	ISB	New standard
2.0	Approved: Recommended	11/06/2013	11/06/2013	ISB	Updated due to a change to the Primary Key of the entity Information Object
3.0	Approved Recommended	24/02/2015	27/03/2015	ISB	Error corrected in attribute table.

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1 DATA STANDARD

1.1 Introduction

1.1.1 Application

This standard describes data that represents unstructured information. This unstructured information could be physical, such as a book or paper document, or could be electronic, such as a digitised image or document. It could be used for example where there is a need to record the information that a person has presented a supporting document such as a birth certificate or utility bill.

An information object has a specific owner, but it can be commissioned and presented by other parties.

A binary field is provided for a digitised image of the information object if it exists, but it is equally valid for the information object to represent a book in a library, as long as its location can be well defined.

1.1.2 Compatibility with non-ISB standards

There are no known compatibility issues related to this standard.

1.1.3 Terminology and notation

The following sections contain:

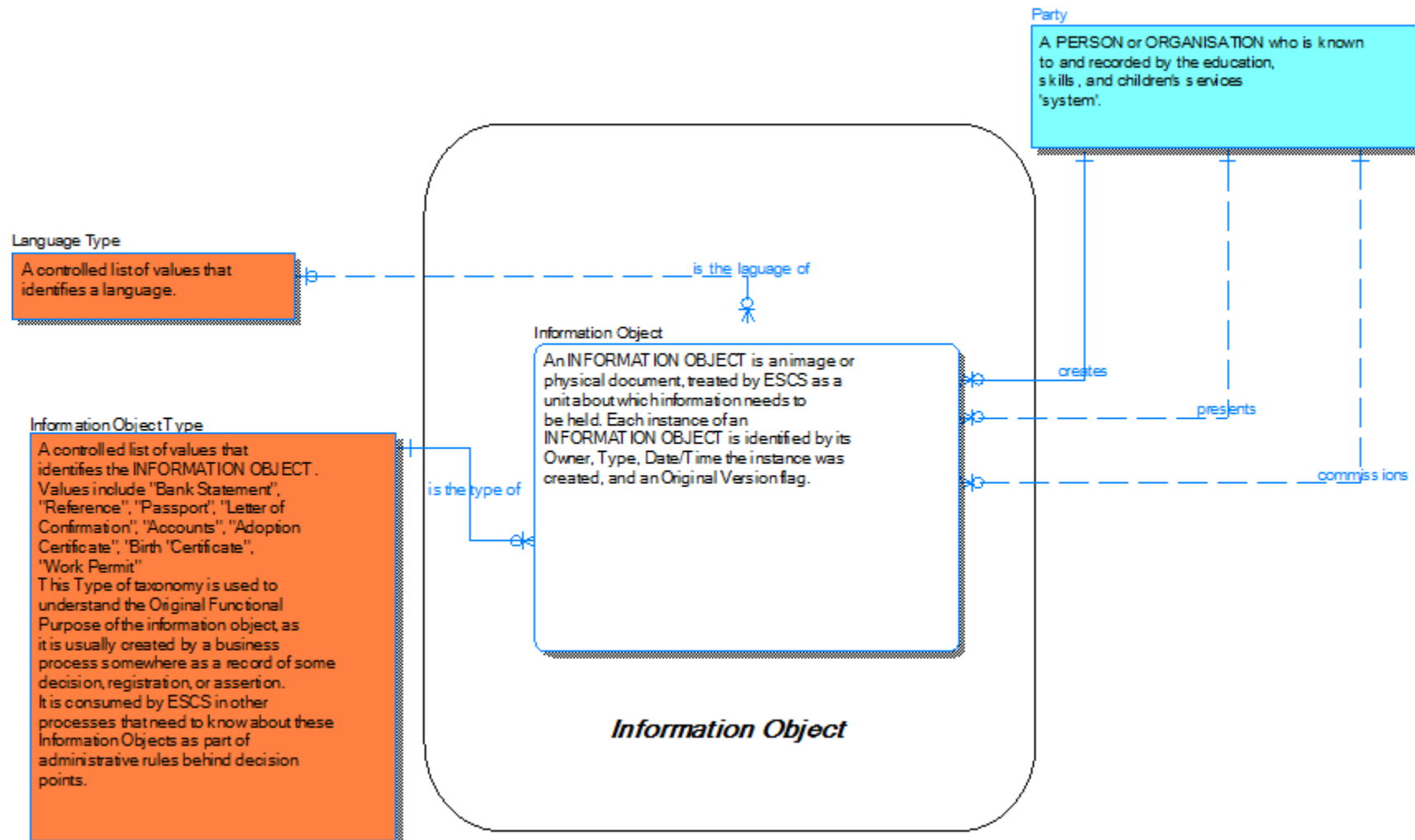
- **Entity Definition Model** – A high level diagram showing: entities; their descriptions and relationships
- **Attribute Model** – A lower level diagram showing the names of attributes making up entities. Attributes in the top section of an entities box are those making up its primary key
- **Data Definitions** – Detailed descriptions of each of the entities at an attribute level, showing attribute: name; definition; whether it is part of a key; whether it is mandatory; its data type and format; parent information and Controlled List association

Only those entities within the boundary square in the diagrams are part of this particular data standard, entities outside the boundary are shown for context purposes only (and can be found within other Business Data Standards), or separate Controlled List reference data.

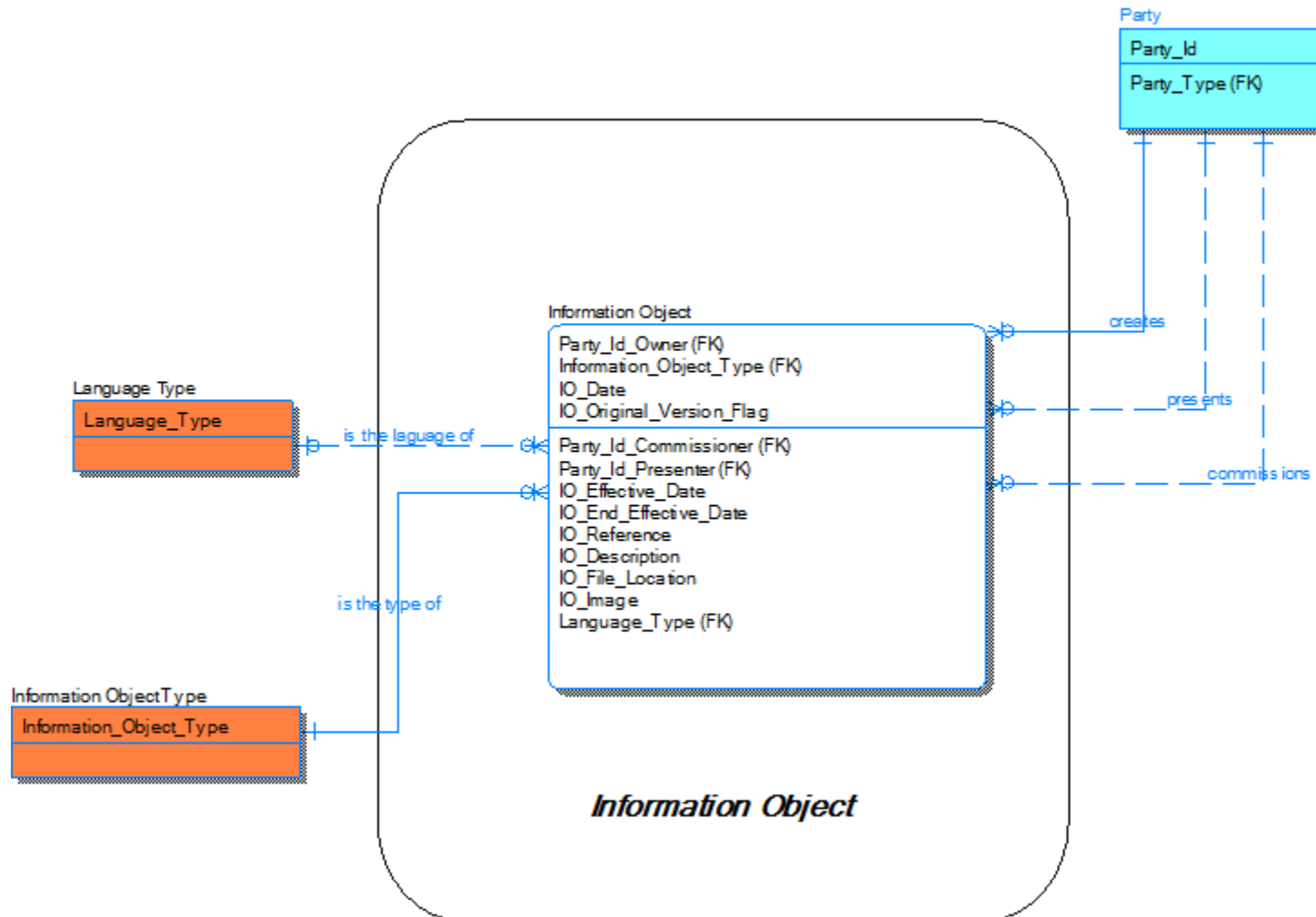
The standards for naming, notation and conventions used for this development can be found in the BDA Data Architecture Modelling Standards document. For convenience, a quick reference of the colours used in these diagrams is shown below.



1.2 Entity Definition Model



1.3 Attribute Model



1.4 Data Definitions

1.4.1 Entity: Information Object

An INFORMATION OBJECT is an image or physical document, treated by ESCS as a unit about which information needs to be held. Each instance of an INFORMATION OBJECT is identified by its Owner, Type, Date/Time the instance was created, and an Original Version flag.

Attribute Name	Attribute Definition	P K	F K	M	Datatype	FK Source Entity	FK Source Attribute	Controlled List
Party_Id_Owner	The identifier that uniquely identifies the PARTY	Y	Y	Y	Unicode_String(1,32)	Party	Party_Id	
Information_Object_Type	A controlled list of values that identifies the INFORMATION OBJECT. Values include "Bank Statement", "Reference", "Passport", "Letter of Confirmation", "Accounts", "Adoption Certificate", "Birth Certificate", "Work Permit"	Y	Y	Y	Unicode_String(1,50)			Information Object Type
IO_Date	The Date/Time the current version of the INFORMATION OBJECT was created	Y	N	Y	Simple_Date Time			
IO_Original_Version_Flag	A flag that identifies if the INFORMATION OBJECT is the original (Y) or a copy(N)	Y	N	Y	Simple_Flag			

Attribute Name	Attribute Definition	P K	F K	M	Datatype	FK Source Entity	FK Source Attribute	Controlled List
Party_Id_Commissioner	The identifier that uniquely identifies the PARTY.	N	Y	Y	Unicode_String(1,32)	Party Name	Party_Id	
Party_Id_Presenter	The identifier that uniquely identifies the PARTY.	N	Y	Y	Unicode_String(1,32)	Party Name	Party_Id	
IO_Effective_Date	The Effective Date of the current version of the INFORMATION OBJECT.	N	N	N	Simple_Date			
IO_End_Effective_Date	The End Effective Date of the current version of the INFORMATION OBJECT.	N	N	N	Simple_Date			
IO_Reference	The Reference Number given to the document by the Owner	N	N	N	Unicode_String(1,50)			
IO_Description	A free text description of the INFORMATION OBJECT that in addition to its INFORMATION OBJECT TYPE clarifies the nature of INFORMATION OBJECT e.g. a Financial Document could be a Barclays Bank Statement or a P&L Report.	N	N	N	Unicode_String(1,500)			

Attribute Name	Attribute Definition	P K	F K	M	Datatype	FK Source Entity	FK Source Attribute	Controlled List
IO_File_Location	A free text description indicating the location of where the INFORMATION OBJECT is held. As this could be a statement such as "on John's Laptop" this is not as LOCATOR.	N	N	N	Unicode_String(1,500)			
IO_Image	Digitised Image of the INFORMATION OBJECT	N	N	N	Base64Binary(1,5000)			
Language_Type	A controlled list of values that identifies a language.	N	Y	N	Unicode_String(1,50)			Language Type

2 CHANGES FROM PREVIOUS VERSION

Error corrected in attribute table – 'Party Stakeholder' amended to 'Party Name'.

3 REFERENCES

The following references are specific to this Business Data Standard:

- ESCS ISB Business Data Architecture Entity Relationship Diagram, version 5.05
- ESCS ISB, Controlled List, Information Object Type
- ESCS ISB, Controlled List, Language Type

The following references apply to all Business Data Standards:

- ESCS ISB Standards Overview and Context
- ESCS ISB "System" Enterprise Architecture - Business Data Architecture
- ESCS ISB Business Data Architecture Data Types
- ESCS ISB BDA Data Architecture Modelling Standards
- ESCS ISB Management Process

4 NOTES

None.

5 COPYRIGHT NOTICE

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