The Meta Model

Specification of the enliteB2B meta model. The meta model is a the specification of the model used for making enliteB2B message specifications.

enliteB2B

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enliteB2B Meta Model

Introduction

The purpose of this document is to set the specification for setting enliteB2B message specifications. The Meta Model is part of the enliteB2B format specifications.

Data Model Structure

Table MDM : Defines & Identifies the message data model

Data Model Definition	Sepecifies the name of data model, the version and the owner. In the same record one can define the data model one has inherited.
Role	A data model can be estblished as sender, receiver or as neutral party.
Sender	When a sender owns and publishes an enliteB2B message, he can also specify which tables, fields and values he does guarantee. When a value field or table is guaranteed, it means that the receipient can rely that the information will be present in the message.
Receiver	When a receiver owns and publishes an enliteB2B message, he can also specify which tables, fields and values he does require.
Neutral	When a neutral party specifies

Table TDS: defines the different tables that compose the message

Table DRD: Defines the data records of all tables in the message

Table VLE: Defines the value list linked to some of the fields.

enliteB2B Meta Model

MDMH	Model Name	Model Owner	Model Version
MDMD	enliteMModel	EDIFICE	1

Table Definitions & Sequence

TDSH	Table Code	Table Name	Data Record Occurrence	Description
TDSD	MDM	Data Model Indentification	Once	
TDSD	TDS	Table Definition & Sequence	Many	
TDSD	DRD	Data Record Definition	Many	
TDSD	VLE	Value List Enumeration	Many	

Date Records

DRDH	Field Number	Field Name	Field Type	Values List	Linked to...	Fixed Value	Description
DRDD	MDM01	Model Name	AN				The Owner is responsible for composing the model name.
DRDD	MDM02	Model Owner	AN				The Owner indentification name is assigned by EDIFICE.
DRDD	MDM03	Model Version	NM				
DRDD	MDM04	Role	AN	Role			
DRDD	MDM05	Base Model Name	AN				Name of the model from which the definition is inherited.
DRDD	MDM06	Base Model Owner	AN				Owner of the inherited model
DRDD	MDM07	Base Model Version	NM				version of the inherited model
DRDD							
DRDD	TDS01	Table Code	AN				
DRDD	TDS02	Table Name	AN				
DRDD	TDS03	Data Record Occurrence	AN	Occur			
DRDD	TDS04	Description	UC				
DRDD	TDS05	Required/Guaranteed	AN	RG			The field can only be used when the Role defined in the MDM record is Sender or Receiver. A receiver can define which tables he requires. A Sender can specify which tables he guarantees.
DRDD	TDS06	Maximum Bytes	NM				The field can only be used when the Role defined in the MDM record is Receiver for fields with field type AN (alphanumeric) or NM (numeric). A receiver can define the maximum number of bytes he will process when reading the fields.
DRDD							
DRDD	DRD01	Field Number	AN				
DRDD	DRD02	Field Name	UC				The field name is displayed in the table header record.
DRDD	DRD03	Field Type	AN				
DRDD	DRD04	Values List	AN				
DRDD	DRD05	Linked to...	AN				The link field is used to create an explict relationship between tables in a message.
DRDD	DRD06	Fixed Value	UC				In this field, one can specify a fixed value (content) of the data field.
DRDD	DRD07	Description	UC				
DRDD	DRD08	Required/Guaranteed	AN	RG			The field can only be used when the Role defined in the DM record is Sender or Receiver. A receiver can define which fields he requires. A Sender can specify which tables he guarantees.
DRDD							
DRDD	VLE01	Value List Code	AN				
DRDD	VLE02	Values	AN				
DRDD	VLE03	Required/Guaranteed	AN	RG			
DRDD							

Value Lists

VLEH	Value List Code	Values
VLED	Role	Neutral
VLED	Role	Sender
VLED	Role	Receiver
VLED		
VLED	Occur	Once
VLED	Occur	Many
VLED		
VLED	RG	Required
VLED	RG	Guaranteed