

## 7. Template

### 7.1 Entity pattern description sheet

#### Pattern Definition

Date: 2000-04-14
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Name: UK-DHG
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Pattern ID : UK-DHG-P2
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Pattern Name : Multiple Payment Order Transaction Batch
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Description : Information relating to all transactions within a batch of financial transactions
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#### Class diagram

##### To follow

\*Note: If there can be too many Sub-classes, Package may be used.

## Business Entity Definition

Date: 2000-04-14

Name: UK-DHG

Entity ID: UK-DHG-E5

Entity Name: MPO-CleanPayment-Batch

Description:

### Attribute List

Attribute name	Type	Ref.ID	Description
Environment	R	V2	Where transaction is applied
BusinessFunction	R	V3	Reason payment is to be made
ExecutionDate	R	F11	Date when payment is required to be executed
TotalAmount	E	UK-DHG-E6	Amount to be paid

\*Note1: Type is R (using Representation class) or E (designating Business Entity).

\*Note2: 3 Parameters shall be specified with Representation class in Ref.ID field.

Cn : Parameter of the Ref.ID for Concept

Fn : Parameter of the Ref.ID for Format

Vn : Parameter of the Ref.ID for Value domain

### Sub-Classes

Sub-Class Name	Function

\*Notes: If there are too many sub-classes, you can designate the relevant code set.

## Business Entity Definition

Date: 2000-04-14

Name: UK-DHG

Entity ID: UK-DHG-E6

Entity Name: Total Amount for Payment

Description: Total amount to be paid, including equivalents in alternative currency

### Attribute List

Attribute name	Type	Ref.ID	Description
Amount	R	F12	Amount
Currency	R	V4	ISO 4217 code for currency
EquivalentAmount	E	UK-DHG-E7	Alternative value of amount

\*Note1: Type is R (using Representation class) or E (designating Business Entity).

\*Note2: 3 Parameters shall be specified with Representation class in Ref.ID field.

Cn : Parameter of the Ref.ID for Concept

Fn : Parameter of the Ref.ID for Format

Vn : Parameter of the Ref.ID for Value domain

### Sub-Classes

Sub-Class Name	Function

\*Notes: If there are too many sub-classes, you can designate the relevant code set.

## Business Entity Definition

Date:

Name:

Entity ID:UK-DHG-E7

Entity Name: MPO-EquivalentAmount

Description: Alternative currency for expression of an amount

### Attribute List

Attribute name	Type	Ref.ID	Description
SourceCurrency	R	V6	ISO 4217 code for currency
TargetCurrency	R	V6	ISO 4217 code for currency
CalculationDate	R	F11	Date of rate calculation
ContractNo	R	C4	Number of foreign exchange contract

\*Note1: Type is R (using Representation class) or E (designating Business Entity).

\*Note2: 3 Parameters shall be specified with Representation class in Ref.ID field.

Cn : Parameter of the Ref.ID for Concept

Fn : Parameter of the Ref.ID for Format

Vn : Parameter of the Ref.ID for Value domain

### Sub-Classes

Sub-Class Name	Function

\*Notes: If there are too many sub-classes, you can designate the relevant code set.

## 7.2 Representation class definition

<b>Representation Class Definition</b>					
<table border="1" style="float: right; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Date:</td> <td style="width: 100px;"></td> </tr> <tr> <td style="padding: 2px;">Name:</td> <td></td> </tr> </table>		Date:		Name:	
Date:					
Name:					
Representation ID: _____ Representation Name: _____ Description: <div style="border: 1px solid black; height: 50px; width: 100%;"></div>					
<b>Data type</b>					
Concept (lexical meanings)					
Specification	Unit of Measure				
4 Reference to document					
5					
6					
Format (syntactical expressions)					
Specification	Character set				
11 ISO 11404 recurringDuration					
12 ISO 11404 decimal					
13					
<b>Value domain list</b>					
Domain name	Specification				
2 MPO Environments	URL address of pointer to an XML Schema Enumeration List of MPO Geographic Environments				
3 MPO Business Function	URL address of pointer to an XML Schema Enumeration List of EDIFACT Business Functions				
4 ISO 4217 Currency Code	URL address of pointer to an XML Schema Enumeration List for currency codes				
*Notes: If there are too many domains, you can designate the relevant code set.					