



Commercial in Confidence



Reference Data System

APPLICATION INTERFACE SPECIFICATION REFERENCE DATA TO PATHWAY

DRN RDP/AIS/014

Issue 5.2

Issue Date 4th April 2002

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Typing Reference: AITMS5.2_NB-baseline 2002 04 03.doc

0. CONTROL

0.1 Version History

<u>Version</u>	<u>Dated</u>	<u>Change Details</u>
3.3	11.2.98	Formal issue. For Release 2.
4.0a	26.2.99	Initial Draft for Release 2+.
4.0b	5.3.99	Initial Draft with Additional Items.
4.0c	24.3.99	Updated initial draft.
4.0d	31-3-99	Updated draft for review.
4.0e	23-4-99	Updated following review meeting.
4.0	30-4-99	Draft for Approval.
4.1	25-6-99	Updated draft for formal review.
4.2	13-8-99	Formal Issue for CSR+ (DRN updated from RDP/AIS/001 to RDP/AIS/014). Updated with review comments.
4.3	26-8-99	Formal Issue for CSR+. Updated with additional, late review comments.
4.3a	1-10-99	Document presentation revised (material content unchanged).
4.4	21-1-00	Version control rules reintroduced and volumetrics revised.
4.5	12-6-00	Volumetrics revised further, review comments incorporated, plus an additional sentence inserted into the version control rules section.
4.6	19-7-00	Amendments to formatting/descriptive content made in light of review comments (sections 1.6.8; 4.3; 4.4.17; 4.5.1; 4.5.6; 4.5.7; 4.5.9 & 4.7.3). Note that there are no substantive changes to either the data structures or data content in this revised version.
5.0 Draft 1.0	29-8-01	Amendments to existing records and new records to support the requirements of Network Banking Automation. Details of changes can be found in new section 0.1.1
5.0 Draft 2.0	07-9-01	Amendments to draft 1.0, issue 5 incorporating comments from review.
5.0 Draft 3.0	24-9-01	Amendments to draft 2.0, issue 5 incorporating comments from review.
Issue 5.0	20-11-01	Agreed issue.
Issue 5.1	03-12-01	Issue for formal signature
Issue 5.2	04-04-02	Amendment following the addition of values for Network Banking to the Business Rules and Values document ref: 1.6.8 RDP/TEC/977 modification of section 4.5.48 Bank Card Element following change of requirement since version 5.1. Changed ICL Pathway to Frujitsu Services (Pathway)

0.1.1 Changes for Issue 5.0

Page	Change	Description
Title Page	Style	Consignia logo replaces Post Office logo.
Title Page	Data	Version updated to 5.0. Date of issue and author amended. New Pathway, Consignia authorisers.
All	Style	Reference to CSR+ removed from document title and introduction, section 1.1. Headers & Footers amended with new logo.

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General		All references to OU structure have been amended to reflect the new OU structure as a result of the Retail Line Review.
1.	New section	New section 0.1.1 to summarise amendments for issue 5.0.
12	Amendment to version 4.6	Section 4.3 "Transfer Structure" amended to incorporate new entities and amend the load order.
13	Amendment to version 4.6	DN at end of Section 4.3 removed.
29	Amendment to version 4.6	Examples of valid item types sent to Pathway updated.
30	Amendment to version 4.6	Second paragraph in description amended.
33	Amendment to version 4.6	New attribute of "Org Unit (Routing Gateway ID)" added to entity Item History.
59	Amendment to version 4.6	Look Up Values updated.
63	Amendment to version 4.6	Look up Types applicable to Network Banking Automation added.
66	Amendment to version 4.6	Look up Type values applicable to Network Banking Automation added.
73	Addition to version 4.6	New entity table of Issuer Scheme added as section 4.5.41
	Addition to version 4.6	New entity table of Banking Operation Type added as section 4.5.42
74	Addition to version 4.6	New entity table of Banking Operation added as section 4.5.43
76	Addition to version 4.6	New entity table of Permitted Method of Entry added as section 4.5.44
77	Addition to version 4.6	New entity table of Bank Card Type added as section 4.5.45
78	Addition to version 4.6	New entity table of Bank Card added as section 4.5.46
81	Addition to version 4.6	New entity table Bank Card Element Type added as section 4.5.47
83	Addition to version 4.6	New entity table of Bank Card Element added as section 4.5.48
84	Addition to version 4.6	New entity table IIN Range added as section 4.5.49
89	Deletion from version 4.6	Remove section 4.6.
92	Deletion from version 4.6	Remove section 4.8.
General		All references to POL replaced by Post Office Limited

0.1.2 Changes for Issue 5.1

30	Amendment to 4.5.10	Additional comment for the "Org unit code (client)" to explain that when transactions are carried out on behalf of a third party, the details of the intermediary will be passed in this field.
42	Amendment to 4.5.17	Additional comment for the "Org unit code (client)" to explain that when transactions are carried out on behalf of a third party, the details of the

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		intermediary will be passed in this field.
80	Amendment to 4.5.42	Removal of "Accounting sense" from Banking operation type

0.1.3 Changes for Issue 5.2

Page	Change	Description
-	Sub-sections within 4.5	Amendment to remove values from document (values can be found in Network Banking / RDS Rules & Values ref:1.6.8 RDP/TEC/977)
86	Amendment to 4.5.48	Change the comments column of ELEMENT FORMAT AUTO to read 'optional'. [This is to allow for elements to be defined that are not on the track of a card]
21	Amendment to 4.5.5	Change the field names in the Organisational Unit History table from a descriptive to the Org unit type number for legacy codes that are subject to change over time.
-	General	Change ICL Pathway to Fujitsu Services (Pathway)

0.1.4 Expected Changes

- ref 1.6.8 now relates to two Business Rules documents, these documents are expected to be combined post go live at which time the reference document number will relate to a single document.

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1. INTRODUCTION

1.1 Objective

The purpose of this version of this document is to provide details of the data specification for Horizon Core System incorporating the requirements for Network Banking Automation, including EFTPoS and Post Office Card Account (POCA).

This document is intended to be the definitive Reference Data to Pathway AIS. Following approval, any further amendments required will be subject to Change Requests.

1.2 Purpose

The purpose of this specification is to describe the data passing between Post Office Limited's Reference Data system and Pathway.

In accordance with Post Office Limited's data interface strategy, Pathway's system, as the "receiving" system, will be deemed to be the Target system.

The data passed from the Reference Data system will consist of updates to Post Office Limited's Reference Data system.

1.3 Scope

This specification describes only the data to be passed across the interface. It does not contain information as to how the physical transfer will take place. That information can be found in the Technical Interface Specification (see 1.6.1).

The data items to be interfaced will be described, as will the structure of the interface in terms of record and file layouts. This document does not contain details of the values of the data to be passed nor does it contain business rules governing the use of the data. These items will be documented separately. The examples of Data Values, Data Type Values and 'Business Rules' in this document are for illustration purposes only and **must not** be taken as being exhaustive. Comprehensive 'Business Rules' can be found in the document 'Reference Data Values and Business Rules, RDP/TEC/951'. [Ref: 1.6.8].

The scope of this document is restricted to data which is both computer-generated and computer-consumed.

1.4 Structure

Section 2 of the Specification gives an overview of the interface.

Section 3 gives a description of the data which may be interfaced. This takes the form of an entity relationship diagram supported by entity and attribute descriptions.

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Section 4 describes the physical structure of the data across the interface. Record layouts and groupings are described here.

Section 5 details any security measures which will be applied to the interface.

1.5 Terms and Abbreviations

This section shall contain an explanation of all abbreviations and special terms used in this specification.

- AIS - Application Interface Specification.
- EFTPoS - Electronic Funds Transfer at Point of Sale
- IIN - Issuer Identification Number.
- PAN - Primary Account Number
- POCA - Post Office Card Account
- PDL - Process Description Language.
- TARGET - The recipient of the reference data.
- TIP - Transaction Information Processing project.
- TIS - Technical Interface Specification.
- TMS - Transaction Management System. The heart of the Pathway system suite.

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1.6 References

This section identifies documents referenced within the AIS, including non-Post Office Limited documents.

1.6.1 Pathway to Post Office TIS, TI/IFS/008

1.6.2 Technical Interface Specification Standard, DQS/STD/012

1.6.3 POCL Token Technology Specification APS Bar Code Version 1.0

1.6.4 POCL Token Technology Specification APS Magnetic Card Version 1.4

1.6.5 Reference Data Project Logical Data Model RDP/TEC/019 Issue 1.0 draft a. 27/05/99

1.6.6 Data Transfer File Protocol: POCL to Pathway RDP/TEC/903 Issue 2.0 draft 30/12/98

1.6.7 FTP Logging Requirements - LAN Infrastructure Services, PSGckbk.doc, Version 1.0

**1.6.8 Reference Data Values and Business Rules RDP/TEC/951
Network Banking / RDS Rules & Values RDP/TEC/977**

1.6.9 Version Control Rules RDP/TEC/009

1.6.10 Network Banking Automation Physical Data Model RDP/TEC/967

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2. OVERVIEW OF THE INTERFACE

2.1 Data Description

This interface comprises the issue of reference data from Post Office Limited's Reference Data system to Pathway.

2.2 Derivation and Use of Data

The data will all emanate from Post Office Limited's Reference Data system. Each file will incorporate a set of changes to Post Office Limited Reference Data, reference by Change Control number(s).

The data passed to the Target will be used by the Target's application software (except where the data is explicitly noted as not being used by the Target).

2.3 Non-Computer Data

There is no non-computer data in this interface.

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3. DATA STRUCTURE

3.1 *Data Model*

See RDP/TEC/019.

This document sets out a diagrammatic representation of the Logical Data Model for the Post Office Limited Reference Data System. This model does not exclusively consider the data passed across this interface, but rather considers the contents of the Reference Data System as a whole. References to other, more detailed sources that contain information concerning Reference Data entities and attributes are also provided.

This model will be updated to incorporate the changes required to support Network Banking Automation and EFTPoS, which have been defined in the working document Network Banking Automation Physical Data Model [ref:-1.6.10].

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4. TRANSFER STRUCTURE

4.1 Transfer Grouping

Files containing the data in this interface specification will be passed to Pathway one or more times per day (up to a maximum of 999 times per day).

4.2 Transfer File Name and Location

It is envisaged that the transfer file will conform to the following naming convention.

The target location for the transfer file on the Pathway system will be:

C:\REFDATA

File transfer will take place as specified in the Technical Interface Specification (ref. 1.6.1).

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4.3 Transfer Structure

The file will consist of a File Header record, a group of Change Request record(s) and Data Content Amendment record(s) and a File Trailer record.

The load order is as follows: (the names correspond to the TABLE/ENTITY ID in each record structure.

ORG-UNIT-TYPE
ORG-UNIT
ORG-UNIT-HIST
DEFAULT-OPEN

ORG-STRU-TYPE
ORG-STRUCTURE

OU-CALENDAR

ACC-NODE

ITEM-TYPE
ITEM
VAT
ITEM-VERSION
ADD-FIELD

ITEM-STRU-TYPE
ITEM-STRUCTURE

TRANS-MODE
ITEM-TRAN-MODE

NON-CORE

CLIENT-ACC
CD-TYPE
TOKEN-TYPE
AP-TOKEN
ELEMENT-TYPE
TOKEN-ELEMENT

FINANCIAL-YEAR
ACC-PERIOD
ACC-WEEK
ACCOUNTING-DAY

LOOKUP-TYPE
LOOKUP-VALUE

CASH-ACCT
C-A-TABLE

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C-A-SUB-TABLE
C-A-TABLE-LINE
C-A-CODE
C-A-LINE-CODE
ITEM-MODE-CODE

ISSUER-SCHEME
BANK-OP-TYPE
BANK-OPERATION
PERMITTED-MOE
BANK-CARD-TYPE
BANK-CARD
BC-ELEMENT-TYPE
BC-ELEMENT
IIN-RANGE

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4.4 Delimiters

The Comma Separated Value (CSV) approach will be used to delimit fields. Fields will be variable length.

The following delimiters will be used within the transfer file:

- Each field on a line in the file will be separated by a comma (,).
- Strings will start and end with double quote marks (“”).
- Date Time and Date fields will start and end with double quote marks (“”).
- Blank strings and blank dates/date times will be shown as repeated double quotes (“”).
- A comma within a pair of double quote marks will be interpreted as a string character.
- Double quotes can not appear as a string character.
- Each line will be ended with a carriage return and linefeed.
- A backslash (\) will be used to identify control codes within a string.

Also see example in section 4.8.

4.5 Record Structure And Definition of Data Types

The format field shows the maximum length of the field. Note that in the transfer file the field may be shorter than the maximum length unless a specific format is defined e.g. Transmission Date and Time.

The following table defines the data types used within this section.

Data Type	Description
Date Time	The “Date Time” data type is a fixed length string with a length of 19 characters. It has the format “dd/mm/yyyy<space>99:99:99” where the time uses the 24 hour clock (local time) and includes seconds. Leading zeroes will be used, e.g. “05/06/1996 05:06:01”. The field may also be blank.
Date	The “Date” data type is a fixed length string with a length of 10 characters. It has the format “dd/mm/yyyy”. Leading zeroes will be used, e.g. “05/06/1996”. The date may also be blank.
Str()	This data type denotes a character string. For example - Str(20) is a variable length string with a maximum length of 20 characters. All strings are variable length unless otherwise stated. It is also possible for a character string to have a fixed format e.g. Outlet FAD Code with the format 999999X.

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9()	<p>This data type denotes a number. The data type definition can include a “v” which shows the position of the decimal point. For example : 9(5v2) is a variable length number with the picture 99999.99. This definition will always have a 2 decimal place number even if they are zeros (zero = 0.00).</p> <ul style="list-style-type: none"> • If no decimal point is defined then the number is an integer. • All numbers are variable length unless otherwise stated. • The field length also includes a leading sign which is only shown for negative numbers e.g. -10.50 for the picture 9(3v2). • Leading zeros will not be included unless otherwise stated. • A number less than one with a decimal portion will have a leading zero e.g. -0.32. • For money values (with 3 decimal places) Pathway will only use the first two decimal places - the third decimal place is insignificant and will be truncated.
-----	---

The default End Date is null (“”).

The following table defines the actions used within this section.

Action	Description
Create	The Create action is used when a new record (or row) is created according to the key fields.
Update	The Update action is used when an existing record is updated.

UNCONTROLLED COPY**4.5.1 File Header**

Each file will consist of a single File Header record.

Record	Description	Format	Comments
FILE HEADER - 1 Record per transmission			
Field Name	Description	Format	Comments
HEADER IDENTIFIER	Code used to identify the header record in the transmission.	9(1)	The record will always start with the number 0 (zero).
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count always starts at 0 and increments by 1. The line count should be in ascending order.
TRANSMISSION NAME	Name of the target system.	Str(15)	This field will always contain "TMS" .
VERSION NUMBER	The version number of the transfer file sent to Fujitsu Services (Pathway).	9(10)	The version number will start at 1 and increment each time a transfer file is created for Fujitsu Services (Pathway).
TRANSMISSION DATE AND TIME		Date Time	
NOT USED	Not used by Pathway.	9(10)	
TRANSMISSION SOURCE	The source of the transfer file - The Reference Data system.	Str(2)	Will always be "RD".
INTERFACE FILE VERSION	To identify different versions of the interface file structure	Str(5)	For this version of the AIS the value will be "5.0".

UNCONTROLLED COPY**4.5.2 File Trailer**

Each file will end with a single File Trailer record.

Record	Description	Format	Comments
FILE TRAILER - 1 Record per transmission			
Field Name	Description	Format	Comments
TRAILER IDENTIFIER	Code used to identify the file trailer record in the transmission.	9(1)	This record will always start with the number 2.
TOTAL NUMBER OF TRANSACTIONS	The total number of lines in the transfer file NOT including the Header or Trailer record.	9(10)	This value should be equal to the maximum LINE COUNT value found within the transfer file.

UNCONTROLLED COPY**4.5.3 Change Request Header**

A Data Change Request record.

Record	Description	Format	Comments
CHANGE REQUEST RECORD - Multiple Records			
Field Name	Description	Format	Comments
CHANGE IDENTIFIER	Code used to identify a change request record in the transmission.	9(1)	This record will always start with the number 3.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
DATA CHANGE REQUEST NUMBER	A number to uniquely identify a change request.	Str(20)	
CHANGE TYPE	The type of a change request.	Str(1)	'1' = Class 1. Optional.
CHANGE REFERENCE	The reference for a change request.	Str(10)	Optional.

UNCONTROLLED COPY**4.5.4 Organisational Unit Type**

The types of Organisational Unit that can be created/used.

For a full definitive list, refer to the Business Rules documents [ref 1.6.8].

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ORG-UNIT-TYPE"
ACTION		Str(1)	"C" - Create "U" - Update
ORGANISATIONAL UNIT TYPE CODE	A code to identify a type of Organisational Unit.	9(10)	Key field.
DATE CREATED	Date instance created.	Date Time	
ORG UNIT TYPE CODE DESCRIPTION	The description of the corresponding Organisational Unit Type Code. E.g., Post Office Outlet.	Str(30)	

UNCONTROLLED COPY**4.5.5 Organisational Unit History**

A unit of operation for Post Office Limited or within which Post Office Limited perform a function (could also be a grouping of other groups).

The FAD CODE and CLIENT CODE are Post Office Limited legacy system identifiers.
The PLANT CODE is used for SAP Automated Distribution System.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	“ORG-UNIT-HIST”
ACTION		Str(1)	“C” - Create “U” - Update
ORG UNIT CODE	A unique system generated code to identify the generic organisational unit.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.
CLIENT CODE	A unique code by which an individual client of Post Office Limited is identified. Valid values are: 1-9999.	9(4)	Only used by Clients.
FAD CODE	A structured code to identify an outlet or a satellite as a cash accounting unit. It is unique at a point in time only.	Str(7) Fixed Length	Six numbers followed by a check digit. The check digit can be 0 to 9 or X. Contains leading zeros. Only used by Outlet and Satellite.

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PLANT CODE	A code used by the SAP Automated Distribution System (SAPADS) to identify an Outlet or Satellite.	Str(4)	Alpha Numeric field. Optional. Only used by Outlet and Satellite.
ADDRESS 1 (Location address)	The location address for this organisational unit.	Str(40)	Only used by Outlet and Satellite.
ADDRESS 2 (Location address)	The location address for this organisational unit.	Str(40)	Used by all. Optional.
ADDRESS 3 (Location address)	The location address for this organisational unit.	Str(40)	Used by all. Optional.
ADDRESS 4 (Location address)	The location address for this organisational unit.	Str(40)	Used by all. Optional.
ADDRESS 5 (Location address)	The location address for this organisational unit.	Str(40)	Used by all. Optional.
POST CODE (Location address)	The post code for the organisational unit location address.	Str(8)	Only used by Outlet and Satellite.
CASH ACCOUNT TYPE CODE	The Cash Account Type operated by the Outlet	Str(1)	Only used by Outlet and Satellite
LANGUAGE CODE	The language in which all receipts will be printed.	9(4)	Only used by Outlet and Satellite.
CONTRACT TYPE CODE	The type of contract which the outlet operates under.	Str(7)	Only used by Outlet and Satellite.
ORGANISATIONAL UNIT NAME	The organisational unit name.	Str(30)	Used by all.
OFFICE TELEPHONE NUMBER ()	Telephone number including STD code.	Str(25)	Only used by Outlet and Satellite.
TELEPHONE NUMBER (Pathway helpdesk contact point)	Pathway helpdesk contact point telephone number including STD code.	Str(25)	Only used by Outlet and Satellite. Optional.
TELEPHONE NUMBER (Pathway out of hours helpdesk contact)	Pathway out of hours helpdesk contact point telephone number including STD code.	Str(25)	Only used by Outlet and Satellite. Optional.
ORG UNIT TYPE 4 LEGACY CODE	The unique legacy code.	Str(3)	Only used by Org type 4.
ADDRESS 1 (Pathway Engineers)	The visit address required by Pathway Engineers.	Str(40)	May be the same as the Organisational Unit Address. Optional.
ADDRESS 2 (Pathway Engineers)	The visit address required by Pathway Engineers.	Str(40)	May be the same as the Organisational Unit Address. Optional.
ADDRESS 3 (Pathway Engineers)	The visit address required by Pathway Engineers.	Str(40)	May be the same as the Organisational Unit Address. Optional.
ADDRESS 4 (Pathway Engineers)	The visit address required by Pathway Engineers.	Str(40)	May be the same as the Organisational Unit Address. Optional.
ADDRESS 5 (Pathway Engineers)	The visit address required by Pathway Engineers.	Str(40)	May be the same as the Organisational Unit Address. Optional.

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POST CODE (Pathway Engineers)	The visit post code required by Pathway Engineers.	Str(8)	May be the same as the Organisational Unit Postcode. Optional.
OUTLET TYPE CODE	A code to identify a type of outlet. Examples are 'BO' - Branch Office, 'CFPO' - Company Franchise Post Office, 'CRU' - Counters Remittance Unit, 'CSO' - Credit Stock Office, 'IFPO' - Independent Franchise Post Office, 'ISPO' - In Store Post Office, 'MSPO' - Modified Sub Post Office, 'SAT' - Satellite Office, 'SPSO' - Scale Payments Sub Office.	Str(4)	Only used by Outlet and Satellite.
OPEN STATUS TYPE CODE	Identifies whether or not an Outlet is open. E.g. 'O' - Open, 'C' - Closed, 'T' - Temporarily closed.	Str(1)	Only used by Outlet and Satellite.
ORG UNIT TYPE 5 LEGACY CODE	A unique code for Organisational Unit type 5. It is unique at a point in time only.	Str(3)	Only used by OU Type 5
ORG UNIT TYPE 8 LEGACY CODE	A unique code for Organisational Unit type 8. It is unique at a point in time only.	Str(3)	Only used by OU Type 8
ORG UNIT TYPE 7 LEGACY CODE	A unique code for Organisational Unit type 7. It is unique at a point in time only.	Str(3)	Only used by OU Type 7

UNCONTROLLED COPY**4.5.6 Organisational Structure Type**

The types of relationships that can exist between Organisational Units. Examples are. Satellite Outlet within Outlet, and Outlet within Organisational Unit type 4.

For a full definitive list, refer to the Business Rules document [ref 1.6.8].

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ORG-STRU-TYPE"
ACTION		Str(1)	"C" - Create "U" - Update
ORG STRUCTURE TYPE CODE	A unique system generated code to identify the type of organisational unit structure	9(10)	Key field.
DATE CREATED	Date instance created.	Date Time	
ORGANISATIONAL STRUCTURE DESC	The description of the corresponding Organisational Structure Type Code.	Str(30)	

UNCONTROLLED COPY**4.5.7 Organisational Structure**

The relationships that exist between Organisational Units. Examples are Satellite Outlet within Outlet, and Outlet within Org Unit type 4.

For a full definitive list, refer to the Business Rules document [ref 1.6.8].

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ORG-STRUCTURE"
ACTION		Str(1)	"C" - Create "U" - Update
ORG UNIT CODE {PARENT ORGANISATIONAL UNIT}	A unique, system generated code to identify the Parent Organisational Unit.	9(10)	Key field.
ORG UNIT CODE {CHILD ORGANISATIONAL UNIT}	A unique, system generated code to identify the Child Organisational Unit.	9(10)	Key field.
ORG STRUCTURE TYPE CODE	A unique code to identify a type of Organisational Structure.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of the organisational structure.	9(10)	Alternative key field.

UNCONTROLLED COPY**4.5.8 Org Unit Calendar**

Defines statutory Non-working days for a Bank Holiday Area. The Bank Holiday Area is defined as an Organisational Unit.

The Outlets for each of the Bank Holiday areas are defined in the Organisational Unit Structure record where the Structure type is Outlet within Bank Holiday Area.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"OU-CALENDAR"
ACTION		Str(1)	"C" - Create "U" - Update
ORG UNIT CODE	A unique system generated code to identify the generic organisational unit. (In this case, the Bank Holiday Area)	9(10)	Key field.
CALENDAR DAY	A date on which a Statutory Holiday falls within a Bank Holiday Area	Date Time	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.

UNCONTROLLED COPY**4.5.9 Outlet Default Opening Times**

The opening times refer to Post Office Limited outlet opening times only.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"DEFAULT-OPEN"
ACTION		Str(1)	"C" - Create "U" - Update
ORG UNIT CODE (outlet)	A unique system generated code to identify the generic organisational unit.	9(10)	In this case outlet is identified. Key field.
WEEKDAY	The name of a day of the week.	Str(9)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.
TIME FROM	The time that an outlet is open from	Str(5)	Time in the format "99:99" 24 hour.
TIME TO	The time that an outlet is open to.	Str(5)	Time in the format "99:99" 24 hour.
LUNCH TIME FROM	The time that an outlet is closed from for lunch.	Str(5)	Blank if no lunch time. 24 hour.
LUNCH TIME TO	The time that an outlet is closed to for lunch.	Str(5)	Blank if no lunch time. 24 hour.

UNCONTROLLED COPY**4.5.10 Client Account**

A Client Account is a subdivision of a client, i.e. it is used to identify the part of a Client's organisation which is responsible for a specific subset of the Client's Items.

The Client Account is also used when the relationship between Post Office Limited and the Client involves a third party, e.g. Girobank, who process the monies for transactions of the Client's Items. For example Post Office Limited remit monies into the Client's account with Girobank when payment for a transaction has been made by Transcash

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"CLIENT-ACC"
ACTION		Str(1)	"C" - Create "U" - Update
ORG UNIT CODE (Client)	A unique system generated code to identify the generic organisational unit.	9(10)	Key Field. The Organisational unit code of the party that actually receives and processes the transactional data from the Horizon System.
CLIENT ACCOUNT CODE	A unique code to identify the subdivision of an account within client (e.g. British Gas Region).	9(4)	Key field. Valid values are 1-9999.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.

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CLIENT ACCOUNT NAME	The actual name of a specific client account e.g. British Gas Region.	Str(30)	
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UNCONTROLLED COPY**4.5.11 Item Type**

The types of item that can be created/used.

For a full definitive list, refer to the Business Rules document [ref 1.6.8].

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ITEM-TYPE"
ACTION		Str(1)	"C" - Create "U" - Update
ITEM TYPE CODE	A code to identify a type of Item.	9(10)	Key field.
DATE CREATED	Date instance created.	Date Time	
ITEM TYPE CODE DESCRIPTION	The description of the corresponding Item Type Code. E.g. Item.	Str(30)	
SEQUENCE NO	Defines the order in which banking item types are to be presented.	9()	Optional. Only applicable to Banking Item Types.

UNCONTROLLED COPY**4.5.12 Item History**

A version(s) of an Item.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ITEM-VERSION"
ACTION		Str(1)	"C" - Create "U" - Update
ITEM ID	Primary, system-unique identifier for the item.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.
SHORT NAME	A short name for the Item.	Str(10)	
MEDIUM NAME	A medium length name for an Item.	Str(16)	
LONG NAME	A long name for an Item	Str(24)	
LOGISTICS ACCOUNTING ITEM	Indicates that the Item is an 'Accounting Item' for Logistics Purposes	Str(1)	Has the value of "Y" or "N"
LOGISTICS INVENTORY ITEM	Indicates that the items is an Inventory Item within the Logistics System	Str(1)	has the value of "Y" or "N"

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RETAIL PRICE	The price of a single Item (including VAT, if appropriate).	9(8v3)	If Override Price Allowed = 'Y', then this is the suggested price. Last decimal place will not be used by Pathway. Optional - not used for Items which are Logistics Inventory only.
MULTIPLE VALUE ALLOWED	The value that multiple sales of the Item must be divisible by. E.g. sales of National Lottery Instants must be divisible by £1.	9(8v3)	Optional - not used for Items which are Logistics Inventory only.
MINIMUM VALUE	Minimum value that can be assigned to an Item.	9(8v3)	Optional - not used for Items which are Logistics Inventory only.
MAXIMUM VALUE	Maximum value that can be assigned to an Item.	9(8v3)	Optional - not used for Items which are Logistics Inventory only.
MINIMUM QUANTITY	The minimum quantity of a non-fixed price Item that can be transacted by a customer.	9(7)	Optional.
MAXIMUM QUANTITY	The maximum quantity of a non-fixed price Item that can be transacted by a customer.	9(7)	Optional.
CLERK INSTRUCTIONS	Instructions to the clerk when transacting an Item.	Str(30)	Optional. not used for Items which are Logistics Inventory only.
NUMBER OF RECEIPTS	The number of receipts to be produced when transacting this Item.	9(2)	
OVERRIDE PRICE ALLOWED	Can an operator override an Items price.	Str(1)	Has the value of "Y" or "N". Same as Pathway IsFixedPrice but in the opposite sense.
STAFF DISCOUNT ALLOWED	Is staff discount allowed against the Item?	Str(1)	Valid values are: 'Y' or 'N'.
CUSTOMER DISCOUNT ALLOWED	Is Customer discount allowed against the item?	Str(1)	Valid values are: 'Y' or 'N'
EXISTING REVERSAL ALLOWED	Defines whether or not Reversals of Transactions within the Current Cash Account Period are allowed for this Item.	Str(1)	Has the value of "Y" or "N".
NEW REVERSAL ALLOWED	Defines whether or not Reversals of Sell Transactions are allowed for this Item (without reference to the original Sell Transaction)	Str(1)	Has the value of "Y" or "N".

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VALUE STOCK	Is the Item a Value Stock Item?	Str(1)	Has the value of "Y" or "N".
REFUND ALLOWED	Is a refund allowed against an Item ?	Str(1)	Has the value of "Y" or "N". Not used by Pathway.
VOIDABLE	Can the Item be voided whilst serving the customer ?	Str(1)	Has the value of "Y" or "N". Typically only smart products will be non-voidable.
IS A CORE ITEM	Is the Item a core item ?	Str(1)	Has the value of "Y" or "N". A value of "Y" indicates that this product should be available at every retail outlet.
CAN CHANGE SIGN	Can the Item change sign, i.e. is it cash or a cash equivalent (Mondex etc.).	Str(1)	Has the value of "Y" or "N".
MAX NUMBER OF SUCCESSIVE ITEMS	The number of multiple occurrences of the same Item that are allowed to be transacted in a single customer session.	9(2)	Not used by Pathway.
VAT CODE	Code to identify VAT code.	Str(1)	Not used by Pathway.
ORG UNIT CODE (Client)	A unique system generated code to identify the Client owning the Item.	9(10)	
MANUAL MIGRATION ITEM	Indicates that this item is to be used on the Manual Migration screen.	Str(1)	Has the value of "Y" or "N"
ORG UNIT CODE (Routing Gateway)	A unique code to identify the route by which a banking transaction is authorised.	9(10)	Optional - Only used by Network Banking Automation items.

UNCONTROLLED COPY**4.5.13 Item Structure Type**

The types of relationships that can exist between Items.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ITEM-STRU-TYPE"
ACTION		Str(1)	"C" - Create "U" - Update
ITEM STRUCTURE TYPE CODE	A code to identify a type of relationship that can exist between two items.	9(10)	Key field.
DATE CREATED	Date instance created.	Date Time	
ITEM STRUCTURE TYPE DESCRIPTION	The description of the corresponding Item Structure Type Code.	Str(30)	

UNCONTROLLED COPY**4.5.14 Item Structure**

The allocation of an Item to another Item. A particular Item can be allocated to more than one other Item; e.g. a sellable Item can exist within a non-sellable hierarchy, an Item can have a substitute Item, a sellable Item can be linked to a corresponding fee.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ITEM-STRUCTURE"
ACTION		Str(1)	"C" - Create "U" - Update
ITEM ID (Parent Item)	Primary, system-unique identifier for the parent item.	9(10)	Key field.
ITEM ID (Child Item)	Primary, system-unique identifier for the child item.	9(10)	Key field.
ITEM STRUCTURE TYPE CODE	A code to identify a type of relationship that can exist between two items.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.
MESSAGE	An optional message to be displayed if required.	Str(90)	Optional.

UNCONTROLLED COPY**4.5.15 Outlet and Non-core Items**

Non-core items are related to Outlets via this table. By combining this structure with the “Is a Core” item an individual outlets product line can be ascertained.

The table only shows the relationship “Allowed to be Sold at an Outlet”.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	“NON-CORE”
ACTION		Str(1)	“C” - Create “U” - Update
ORG UNIT CODE (outlet)	A unique system generated code to identify the generic organisational unit.	9(10)	In this case outlet is identified. Key field.
ITEM ID	Primary, system-unique identifier for the item.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.

UNCONTROLLED COPY**4.5.16 AP Token Type**

A description of a token type which can be used for an automated payments service.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always starts with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"TOKEN-TYPE"
ACTION		Str(1)	"C" - Create "U" - Update
TOKEN TYPE CODE	A unique code to identify a Token Type.	Str(5)	Key field.
DATE CREATED	Date instance created.	Date Time	
TOKEN TYPE DESCRIPTION	The description of the corresponding Token Type Code.	Str(30)	

UNCONTROLLED COPY**4.5.17 Automated Payment Token**

The information required to identify a valid Automated Payment product. The Token Type is translated to provide information about the Client Account and the Item.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"AP-TOKEN"
ACTION		Str(1)	"C" - Create "U" - Update
TOKEN ID	A unique system generated code to identify a token	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.
TOKEN NAME	The name of an Automated Payment Token.	Str(30)	
TOKEN TYPE CODE	A unique code to identify a Token Type.	Str(5)	
ORG UNIT CODE (Client)	The Organisational Unit Code of the Client.	9(10)	The Organisational unit code of the party that actually receives and processes the transactional data from the Horizon System.

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CLIENT ACCOUNT CODE	A unique code to identify a the subdivision of an account within a client (e.g. British Gas region).	9(4)	Valid values are: 1-9999.
ITEM ID	A unique code to identify an Item	9(10)	
CHECK DIGIT METHOD CODE	A code to uniquely identify a particular check digit algorithm. Check digit methods are client specific	9(10)	Optional.
MAXIMUM CREDIT ON CARD	The maximum amount of credit allowed to be stored on a card.	9(6)	Optional
METERED CHARGE AVAILABLE	Indicates whether metered Charging is available for the card	Str(1)	Optional
PROPERTY BANDING AVAILABLE	Indicates whether property banding charging is available for the card	Str(1)	Optional
RATEABLE VALUE AVAILABLE	Indicates whether Rateable Value Charging is available for the card	Str(1)	Optional
CARD REBUILD AVAILABLE	Indicates whether the card may be set back to a useable state if certain fields become corrupted whilst the card is in a meter.	Str(1)	Optional

UNCONTROLLED COPY**4.5.18 AP Token Element Type**

This identifies the types of elements (i.e. parts of the data present) that may exist on an Automated Payment Token.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ELEMENT-TYPE"
ACTION		Str(1)	"C" - Create "U" - Update
ELEMENT TYPE CODE	A code to identify a type of Token Element.	9(10)	Key field.
DATE CREATED	Date instance created.	Date Time	
ELEMENT TYPE DESCRIPTION	The description of the Element Type Code.	Str(30)	

UNCONTROLLED COPY**4.5.19 AP Token Element**

This describes how token elements are contained within the token data. In general, where an expected value is not given, then this element is for data capture.

Where the expected value is specified, then the element data is used for matching/identifying the token and/or validation.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"TOKEN-ELEMENT"
ACTION		Str(1)	"C" - Create "U" - Update
TOKEN ID	A unique system generated code to identify a token	9(10)	Key field.
ELEMENT ID	A code to identify an element within a token.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.
ELEMENT TYPE CODE	A code to identify a type of Token Element.	9(10)	
ELEMENT START POSITION	The start position within a token where the element can be found.	9(2)	
ELEMENT LENGTH	The length of the element within a token.	9(2)	
ELEMENT VALUE	The expected value for an element.	Str(99)	Optional.

UNCONTROLLED COPY**4.5.20 Check Digit Method**

There are two types of check digit algorithms. For each type there are many methods of using the parameters. Check Digit Methods can apply to AP Tokens.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"CD-TYPE"
ACTION		Str(1)	"C" - Create "U" - Update
CHECK DIGIT METHOD CODE	A code to uniquely identify a particular check digit algorithm.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.
CHECK DIGIT TYPE CODE	There are two types of check digit: 1 - Weighted, 2 - Non-Weighted.	9(10)	
TYPE OF ADDITION	0 - Sum of digits of products, 1 - Sum of products.	Str(1)	
MODULUS	The divisor.	9(5)	
WEIGHTS ARRAY	Up to 22 weights.	Str(220)	Weights delimited by a ','.
CHECK DIGITS ARRAY	22 check digits corresponding to result.	Str(44)	Up to 2 characters per check digit.

UNCONTROLLED COPY**4.5.21 Item Additional Field**

The definition of additional areas of information that are required to be captured when transacting Items.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ADD-FIELD"
ACTION		Str(1)	"C" - Create "U" - Update
ITEM ID	A unique code to identify an Item.	9(10)	Key field.
VERSION NUMBER FOR ITEM ID	The version number of the occurrence of a reference data entity.	9(10)	Key field.
FIELD SEQUENCE NUMBER	A sequence number that identifies the order in which the fields occur.	9(2)	Key field.
FIELD NAME	The name of an additional field of information. The name must be unique	Str(30)	
FIELD DESCRIPTION	The description of an additional field of information.	Str(1500)	
FIELD PROMPT	The message that is to appear on the screen when requesting input of an additional field of information.	Str(30)	
FORMAT TYPE CODE	A code that identifies the format of the additional field.	9(10)	

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FORMAT TYPE CODE DESCRIPTION	The description of the Format Type Code e.g. Boolean, Date, Integer.	Str(30)	
FIELD LENGTH	The length of an additional field of information within the Field Format.	9(4)	
FIELD DECIMAL PLACES	The number of decimal places for an additional field of information.	9(2)	Optional.
FIELD JUSTIFICATION	The positioning of the content of an additional field of information.	Str(1)	Default = left for character fields, right for numeric fields
FIELD LEADING FIGURE	Identifies any leading figure required for a numeric additional field of information, e.g. zeros.	Str(1)	Optional.
FIELD SIGNED	Identifies whether a numeric additional field of information is required to allow negative values.	Str(1)	Default = 'N'
FIELD PICTURE	The presentation of an additional field of information.	Str(1500)	
FIELD VALUE IF NULL	The value to store for an additional field of information if no data is entered.	Str(1500)	
FIELD DEFAULT VALUE	Identifies the default value for an additional field of information.	Str(1500)	Optional.
FIELD MAXIMUM VALUE	The maximum permitted value of an additional field of information.	9(10v2)	Optional.
FIELD MINIMUM VALUE	The minimum permitted value of an additional field of information.	9(10v2)	Optional.
FIELD VALIDATION		Str(1500)	Optional.
FIELD OPTIONAL OR MANDATORY	Identifies whether data must be captured into the field, or it is allowed to remain empty.	Str(1)	Values "O" or "M".
FIELD ERROR MESSAGE	Identifies the default value for the field when used for an Item.	Str(120)	If present, this value will override the normal Field Default Value for the Additional Field.
FIELD OVERRIDE ALLOWED	Identifies whether the operator is allowed to override the default value for the field.	Str(1)	Values "Y" or "N".

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FIELD BEFORE CORE ATTRIBUTES	Identifies whether the additional fields are to appear before the standard Item attributes, or after them.	Str(1)	Valid values are 'Y', 'N', or blank - default = blank
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UNCONTROLLED COPY**4.5.22 Organisation Financial Year**

The financial year for Post Office Limited.

The Financial Year Identifier is not meaningful in relating to an accounting year, which may span more than one calendar year.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"FINANCIAL-YEAR"
ACTION		Str(1)	"C" - Create "U" - Update
FINANCIAL YEAR IDENTIFIER	A unique code to identify a Financial Year.	9(10)	Key field.
FINANCIAL YEAR START DATE	Date when the Financial Year starts	Date Time	
FINANCIAL YEAR END DATE	Date when the Financial Year ends.	Date Time	
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	
START DATE	Date on which this instance becomes effective	Date Time	Not used by Pathway
END DATE	Date on which this instance ceases to be effective	Date Time	Not used by Pathway
FINANCIAL YEAR DESCRIPTION	The description for an organisation's financial year.	Str(30)	

UNCONTROLLED COPY**4.5.23 Accounting Day**

A day within an Accounting Week for Post Office Limited.

The Accounting Day Id is used to identify the day as the Accounting Day Date may not necessarily be unique within an Accounting Week.

This record is not used by Pathway.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ACCOUNTING-DAY"
ACTION		Str(1)	"C" - Create "U" - Update
FINANCIAL YEAR IDENTIFIER	A unique code to identify a Financial Year.	9(10)	Key field.
ACCOUNTING PERIOD ID		9(10)	Key field.
ACCOUNTING WEEK ID	A code to identify an accounting week within an organisation's accounting period.	9(10)	Key field.
ACCOUNTING DAY ID	The identifier of a day within an Accounting Week.	9(10)	Key field.
DATE ACCOUNTING DAY COMMENCES	The date/time when an Accounting Day commences.	Date Time	
DATE ACCOUNTING DAY FINISHES	The date/time when an Accounting Day finishes.	Date Time	
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER FOR FINANCIAL YEAR	The version number of the occurrence of a reference data entity.	9(10)	

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CASH ACCOUNT DAY NUMBER	The number of the day within a Cash Account Week.	9(2)	Optional.
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UNCONTROLLED COPY**4.5.24 Accounting Period**

A time period within a Financial Year when financial transactions can be updated.

Accounting Period Id is meaningful in relation to the number of periods in a year.

This record is not used by Pathway

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	“ACC-PERIOD”
ACTION		Str(1)	“C” - Create “U” - Update
FINANCIAL YEAR IDENTIFIER	A unique code to identify a Financial Year.	9(10)	Key field.
ACCOUNTING PERIOD ID	A unique code to identify an Accounting Period.	9(10)	Key field.
DATE ACCOUNTING PERIOD COMMENCES	The date/time when an Accounting period commences.	Date Time	
DATE ACCOUNTING PERIOD FINISHES	The date/time when an Accounting period finishes.	Date Time	
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER FOR FINANCIAL YEAR	The version number of the occurrence of a reference data entity.	9(10)	

UNCONTROLLED COPY**4.5.25 Accounting Week**

Accounting Week Id is meaningful in relation to the 52-53 week year.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ACC-WEEK"
ACTION		Str(1)	"C" - Create "U" - Update
FINANCIAL YEAR IDENTIFIER	A unique code to identify a Financial Year.	9(10)	Key field.
VERSION NUMBER FOR FINANCIAL YEAR	The version number of the occurrence of a reference data entity.	9(10)	
ACCOUNTING PERIOD ID	A unique code to identify an Accounting Period.	9(10)	Key field.
ACCOUNTING WEEK ID	A code to identify an accounting week within an organisation's accounting period.	9(10)	Key field.
ACCOUNTING WEEK START DATE	The date/time when an Accounting week commences.	Date Time	
ACCOUNTING WEEK END DATE	The date/time when an Accounting week finishes.	Date Time	
DATE CREATED	Date created.	Date Time	
CASH ACCOUNT WEEK NUMBER	The number of the week within a financial year.	9(2)	Optional.

UNCONTROLLED COPY**4.5.26 Accounting Node**

The hierarchy of levels of Item required for Pathway reporting, in descending 'Level' order.

This table is not used by Pathway.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ACC-NODE"
ACTION		Str(1)	"C" - Create "U" - Update
ACCOUNTING NODE ID	The identifier of an Accounting Node, required for Pathway reporting structures.	9(10)	Key field.
START DATE	Date when effective.	Date Time	Key field.
END DATE	Date when ceases to be effective.	Date Time	Optional.
DATE CREATED	Date created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.
ACCOUNTING NODE ID (PARENT)	The identifier of an Accounting Nodes parent.	9(10)	Optional if the top of the tree.
LEVEL	The position of a accounting hierarchy node within the accounting hierarchy structure.	9(2)	Descending order.
ACCOUNTING NODE DESCRIPTION	The description of the node e.g. Balance, Total Receipts etc.	Str(30)	

UNCONTROLLED COPY**4.5.27 Organisational Unit**

A unit of operation for Post Office Limited or within which Post Office Limited perform a function (could also be a grouping of other groups).

Also includes external organisations that Post Office Limited has contact with while conducting its business. These include Clients. The valid types of Organisational Unit that can be created are controlled by Organisational Unit Type.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	“ORG-UNIT”
ACTION		Str(1)	“C” - Create
ORG UNIT CODE	A unique system generated code to identify the generic organisational unit.	9(10)	Key field.
ORGANISATIONAL UNIT TYPE CODE	A code to identify a type of Organisational Unit.	9(10)	

UNCONTROLLED COPY**4.5.28 Item**

An identifiable object or event which can occur as a line item in a retail transaction. It is a super-type.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ITEM"
ACTION		Str(1)	"C" - Create
ITEM ID	Primary, system-unique identifier for the item.	9(10)	Key field.
ITEM TYPE CODE	A code to identify a type of Item.	9(10)	

UNCONTROLLED COPY**4.5.29 VAT Code**

A VAT code look up table.

This table is not used by Pathway.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"VAT"
ACTION		Str(1)	"C" - Create "U" - Update
VAT CODE		Str(1)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key.
VAT RATE	The percentage rate of VAT that corresponds to a VAT Code.	9(2v2)	

UNCONTROLLED COPY**4.5.30 Look up Type**

The types of code that validation values exist for, e.g. Permitted Method Of Data Entry codes.

For a full definitive list, refer to the Business Rules document [ref 1.6.8].

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"LOOKUP-TYPE"
ACTION		Str(1)	"C" - Create "U" - Update
LOOK UP TYPE CODE	A unique, system generated code to identify E.g. Permitted Method of Entry.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key.
LOOK UP TYPE NAME	The name of a Look Up Type, e.g. Permitted Method of Entry.	Str(30)	
LOOK UP TYPE DESCRIPTION	The description for the Look up Type Code.	Str(1500)	
FORMAT TYPE CODE	A code to uniquely identify a Format	9(10)	The format types currently held by RDS are as follows: Type 1 Character

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			Type 2 Integer Type 3 Boolean Type 4 Date & Time Type 5 Exact numeric Type 6 Approximate numeric Type 7 Monetary Type 8 Special Type 9 Text & Image Type 10 Synonyms
MAXIMUM LENGTH	The maximum length of a look up code. This will be used as an input mask for the look up values.	9(2)	
NUMBER OF DECIMAL PLACES	The number of decimal places for a numeric look up code. This will be used as an input mask for the look up values.	9(4)	Optional.

UNCONTROLLED COPY**4.5.31 Look up Value**

The instances of look up data for a particular Look Up Type. E.g. the valid values that exist for Method Of Data Capture codes will contain codes for swiping, keying, and barcode reading.

For a full definitive list, refer to the Business Rules document [ref 1.6.8].

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"LOOKUP-VALUE"
ACTION		Str(1)	"C" - Create "U" - Update
LOOK UP TYPE CODE	A unique, system generated code to identify the Look up Type	9(10)	Key field.
VERSION OF LOOK UP TYPE	The version number of the occurrence of a reference data entity.	9(10)	Key field.
LOOK UP CODE	The maximum size of a Look Up Code is C(30). However, for a particular Look Up Type the Maximum Length and Number Of Decimal Places attributes will control the proportion of the field that is used, i.e. they will provide an input mask for this data item.	Str(30)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.

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DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key.
LOOK UP VALUE	The description of the corresponding Look Up Code i.e. the description that correspond to the codes for Method Of Data Capture.	Str(60)	

UNCONTROLLED COPY**4.5.32 Transaction Mode**

The types of operation that can be performed with Items. E.g. Remit In, Remit Out, Transfer In, Transfer Out, Sell (normal transaction).

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"TRANS-MODE"
ACTION		Str(1)	"C" - Create "U" - Update
TRANSACTION MODE CODE	A unique code to identify a type of Transaction Mode.	9(10)	Key field.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key.
TRANSACTION MODE NAME	The name of a Transaction Mode.	Str(30)	
TRANSACTION MODE DESCRIPTION	The description of a Transaction Mode.	Str(90)	

UNCONTROLLED COPY**4.5.33 Item Transaction Mode**

The linking of an Item to a Transaction Mode. It identifies the Transaction Modes that can be performed on an Item, and the accounting sense that the operation has.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ITEM-TRAN-MODE"
ACTION		Str(1)	"C" - Create "U" - Update
TRANSACTION MODE CODE	A unique code to identify a type of Transaction Mode.	9(10)	Key field.
ITEM ID	Primary, system-unique identifier for the item.	9(10)	Key field.
ACCOUNTING NODE ID	The identifier of an Accounting Node, required for Pathway reporting structures.	9(10)	This field is mandatory for 'Default' mode and optional for all other modes. Not used by Pathway.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	Date when ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key.

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ACCOUNTING SENSE	Identifies whether an Item increases or decreases an outlet's balance when it is transacted.	Str(1)	Only used by Pathway for the 'Default' Transaction Mode. Valid values are: '+' - positive (increases outlet's balance), '-' - negative (decreases outlet's balance).
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UNCONTROLLED COPY**4.5.34 Cash Account**

The structure of a Cash Account for a particular year.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count is in ascending order.
TABLE/ENTITY ID		Str(15)	"CASH-ACCT"
ACTION		Str(1)	"C" - Create "U" - Update
FINANCIAL YEAR IDENTIFIER	The Financial Year Identifier for Post Office Limited's financial year.	9(10)	Key field.
START DATE	Date when effective.	Date Time	
END DATE	Date when ceases to be effective.	Date Time	Optional.
DATE CREATED	Date created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Key field.

UNCONTROLLED COPY**4.5.35 Cash Account Table**

An overall grouping of lines within a cash account.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count is in ascending order.
TABLE/ENTITY ID		Str(15)	"C-A-TABLE"
ACTION		Str(1)	"C" - Create "U" - Update
FINANCIAL YEAR IDENTIFIER	The Financial Year Identifier for Post Office Limited's financial year.	9(10)	Key Field.
VERSION NUMBER OF CASH ACCOUNT	The version number of the Cash Account record.	9(10)	Key Field.
TABLE NUMBER	A number defining a table in a cash account or other report.	9(2)	Key Field.
TABLE LETTER	A qualifying letter added to a Table Number to produce a table identifier.	Str(1)	Key Field.
DATE CREATED	Date created.	Date Time	
TABLE NAME	The name of a table in a Cash Account.	Str(60)	The description of the table, to be printed on the cash account.

UNCONTROLLED COPY**4.5.36 Cash Account Sub Table**

A subdivision of a cash account or other report table with a separate description. All tables will have at least one of these (with sequence number 0 and no description, if no subdivisions exist for a table).

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count is in ascending order.
TABLE/ENTITY ID		Str(15)	"C-A-SUB-TABLE"
ACTION		Str(1)	"C" - Create "U" - Update
FINANCIAL YEAR IDENTIFIER	The Financial Year Identifier for Post Office Limited's financial year.	9(10)	Key Field.
VERSION NUMBER OF CASH ACCOUNT	The version number of the Cash Account record.	9(10)	Key Field.
TABLE NUMBER	A number defining a table in a cash account or other report.	9(2)	Key Field.
TABLE LETTER	A qualifying letter added to a Table Number to produce a table identifier.	Str(1)	Key Field.
SUB-TABLE SEQUENCE NUMBER	A sequence number for a sub-table within a table.	9(1)	Key Field.
DATE CREATED	Date created.	Date Time	
SUB TABLE DESCRIPTION	The description of a sub-table on a Cash Account.	Str(60)	Optional.

UNCONTROLLED COPY**4.5.37 Cash Account Table Line**

Each line on a Cash Account Table at the value level.

Total lines (which are referenced by other Cash Account Table Lines) will appear on the interface before the lines that reference them.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count is in ascending order.
TABLE/ENTITY ID		Str(15)	"C-A-TABLE-LINE"
ACTION		Str(1)	"C" - Create "U" - Update
FINANCIAL YEAR IDENTIFIER	The Financial Year Identifier for Post Office Limited's financial year.	9(10)	Key Field.
VERSION NUMBER OF CASH ACCOUNT	The version number of the Cash Account record.	9(10)	Key Field.
TABLE NUMBER	A number defining a table in a cash account or other report.	9(2)	Key Field.
TABLE LETTER	A qualifying letter added to a Table Number to produce a table identifier.	Str(1)	Key Field.
SUB-TABLE SEQUENCE NUMBER	A sequence number for a sub-table within a table.	9(1)	Key Field.
LINE SEQUENCE NUMBER	The sequence number of a line within a Cash Account table or sub-table.	9(3)	Key Field.
DATE CREATED	Date created.	Date Time	
LINE NAME	The name of a Cash Account Table Line	Str(60)	Optional.
ACCOUNTING SENSE	Identifies whether values against this cash account line increase ('+') or decrease ('-') totals.	Str(1)	

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PARENT TABLE NUMBER	Parent Table Number for totalling.	9(2)	Optional.
PARENT TABLE LETTER	Parent Table Letter for totalling.	Str(1)	Optional.
PARENT TABLE SEQUENCE NUMBER	Parent Sequence Number for totalling.	9(1)	Optional.
PARENT LINE SEQUENCE NUMBER	Parent Line Sequence Number for totalling.	9(3)	Optional.

UNCONTROLLED COPY**4.5.38 Cash Account Code**

A cash account code relating to either a quantity, value or count of one or more Item Transaction Modes.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count is in ascending order.
TABLE/ENTITY ID		Str(15)	"C-A-CODE"
ACTION		Str(1)	"C" - Create "U" - Update
CASH ACCOUNT LINE CODE	A ledger code within each line in a Cash Account.	Str(4)	Key Field, right justified, leading zero filled.
DATE CREATED	Date created.	Date Time	
CODE TYPE INDICATOR	A flag to identify whether a Cash Account Line Code corresponds to a quantity, a value, or a count.	Str(1)	

UNCONTROLLED COPY**4.5.39 Cash Account Line Code**

The Cash Account Codes that apply to a Cash Account Table Line.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count is in ascending order.
TABLE/ENTITY ID		Str(15)	"C-A-LINE-CODE"
ACTION		Str(1)	"C" - Create "U" - Update
FINANCIAL YEAR IDENTIFIER	The Financial Year Identifier for Post Office Limited's financial year.	9(10)	Key Field.
VERSION NUMBER OF CASH ACCOUNT	The version number of the Cash Account record.	9(10)	Key Field.
TABLE NUMBER	A number defining a table in a cash account or other report.	9(2)	Key Field.
TABLE LETTER	A qualifying letter added to a Table Number to produce a table identifier.	Str(1)	Key Field.
SUB TABLE SEQUENCE NUMBER	A sequence number for a sub-table within a table.	9(1)	Key Field.
LINE SEQUENCE NUMBER	The sequence number of a line within a Cash Account table or sub-table.	9(3)	Key Field.
CASH ACCOUNT LINE CODE	A ledger code within each line in a Cash Account.	Str(4)	Key Field.
DATE CREATED	Date created.	Date Time	

UNCONTROLLED COPY**4.5.40 Item Transaction Mode Code**

Resolution of the many to many relationship between Item Transaction Mode and Cash Account Code.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count is in ascending order.
TABLE/ENTITY ID		Str(15)	"ITEM-MODE-CODE"
ACTION		Str(1)	"C" - Create "U" - Update
CASH ACCOUNT LINE CODE	A ledger code within each line in a Cash Account.	Str(4)	Key Field.
ITEM ID	Primary, system-unique identifier for the item.	9(10)	Key Field.
TRANSACTION MODE CODE	A unique code to identify a type of Transaction Mode.	9(10)	Key Field.
VERSION NUMBER OF ITEM TRANSACTION MODE	The version number of the Item Transaction Mode record.	9(10)	Key Field.
DATE CREATED	Date created.	Date Time	

UNCONTROLLED COPY**4.5.41 Issuer Scheme**

Defines each issuer scheme supported by the Horizon system.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"ISSUER-SCHEME"
ACTION		Str(1)	"C" - Create "U" - Update
ISSUER SCHEME ID	A unique system generated code to identify the Issuer Scheme.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.
ISSUER SCHEME NAME	The name of the Issuer Scheme.	Str(30)	
ORG UNIT CODE (Client)	The Organisational Unit Code of the Client.	9(10)	Alternative key field.
BANKING SERVICE ID (Network Banking Look Up Code)	A value representing a Look Up Code of type 13 (NETBANK Banking Service)	9(2)	Alternative Key Field. The meaning of this numeric code shall be determined from its respective Look Up Value record.

UNCONTROLLED COPY**4.5.42 Banking Operation Type**

Identifies each different banking operation type.

For a full definitive list, refer to the Business Rules document [ref 1.6.8].

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"BANK-OP-TYPE "
ACTION		Str(1)	"C" - Create "U" - Update
BANKING OPERATION TYPE CODE	A unique system generated code to identify the type of Banking Operation.	9(10)	Key field.
DATE CREATED	Date instance created.	Date Time	
BANKING OPERATION TYPE NAME	The name of the Banking Operation Type	Str(200)	
ITEM TYPE CODE	The unique code that identifies the type of Banking item	9(10)	Alternative key field.
CUSTOMER VERIFICATION METHOD (Network Banking Look Up Code)	A value representing the Look up Code of type 10 that identifies a NETBANK Customer Verification Method allowed for a specific Banking Operation.	9(2)	The meaning of this numeric code shall be determined from its respective Look Up Value record.

UNCONTROLLED COPY**4.5.43 Banking Operation**

Defines the operations for each Issuer Scheme in which a banking product can be transacted.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"BANK-OPERATION"
ACTION		Str(1)	"C" - Create "U" - Update
BANKING OPERATION ID	A unique system generated code to identify a particular type of Banking Operation.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.
BANKING OPERATION TYPE CODE	The unique code that identifies the Banking Operation type.	9(10)	Alternative key field.
ITEM ID	A unique code to identify an Item	9(10)	Alternative key field.
ISSUER SCHEME ID	A unique code to identify an Issuer Scheme.	9(10)	Alternative key field.
SEQUENCE NO OVERRIDE	If present, overrides the Item Type Sequence No. which defines how Banking Item Types are presented.	9(2)	Optional. Defaults to the value of the Item Type Sequence No.
ITEM TYPE CODE DESCRIPTION OVERRIDE	If present, overrides the Item Type Code Description.	Str(30)	Optional. Defaults to the value of the Item Type Code Description.

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UNCONTROLLED COPY**4.5.44 Permitted Method of Entry**

Defines the permitted methods of card entry for each banking operation.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"PERMITTED-MOE"
ACTION		Str(1)	"C" - Create "U" - Update
METHOD OF ENTRY (Network Banking Look Up Code)	A value representing a LOOK up Code of type 11 to identify a NETBANK Permitted Method of Entry.	9(2)	Key field The meaning of this numeric code shall be determined from its respective Look Up Value record.
BANKING OPERATION ID	A unique code to identify a Banking Operation.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.

UNCONTROLLED COPY**4.5.45 Bank Card Type**

Identifies each different bank card type.

For a full definitive list, refer to the Business Rules document [ref 1.6.8].

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"BANK-CARD-TYPE"
ACTION		Str(1)	"C" - Create "U" - Update
BANK CARD TYPE CODE	A unique system generated code to identify the type of Bank Card	9(10)	Key field.
DATE CREATED	Date instance created.	Date Time	
BANK CARD TYPE NAME	The name of the Bank Card Type	Str(30)	

UNCONTROLLED COPY**4.5.46 Bank Card**

Each Issuer Scheme has a specific set of Issuer Identification Numbers (IIN), a range of IINs or a number of ranges of IINs allocated to it. All Bank cards issued under the Issuer Scheme must then have an IIN which is within these ranges. This entity and its child entity, IIN Range, enables definition of the full set of IIN values which are allocated to each Issuer Scheme.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"BANK-CARD"
ACTION		Str(1)	"C" - Create "U" - Update
BANK CARD ID	A unique system generated code to identify a Bank Card	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
VERSION NUMBER	The version number of the occurrence of a reference data entity.	9(10)	Alternative key field.
BANK CARD NAME	The name of the Bank Card	Str(30)	
ISSUER SCHEME ID	A unique code to identify an issuer scheme.	9(10)	Alternative key field.
BANK CARD TYPE CODE	A unique code to identify the type of Bank Card.	9(10)	Alternative key field.

UNCONTROLLED COPY**4.5.47 Bank Card Element Type**

Identifies data element types within a specific bank card type.

For a full definitive list, refer to the Business Rules document [ref 1.6.8].

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"BC-ELEMENT-TYPE"
ACTION		Str(1)	"C" - Create "U" - Update
BANK CARD ELEMENT TYPE CODE	A unique system generated code to identify a data element type within a bank card.	9(10)	Key field.
DATE CREATED	Date instance created.	Date Time	
BANK CARD TYPE CODE	A unique code to identify the type of bank card.	9(10)	Alternative key field.
BANK CARD ELEMENT TYPE NAME	The description of the bank card element type.	Str(30)	

UNCONTROLLED COPY**4.5.48 Bank Card Element**

Identifies each data element within a specific bank card that enables processing of the card either in automated or manual entry modes. This entity is versioned at the Bank Card entity level.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"BC-ELEMENT"
ACTION		Str(1)	"C" - Create "U" - Update
BANK CARD ELEMENT ID	A unique system generated code to identify a data element within a bank card.	9(10)	Key field.
DATE CREATED	Date instance created.	Date Time	
BANK CARD ELEMENT TYPE CODE	A unique code to identify the data element type within a bank card.	9(10)	Key field.
BANK CARD ID	A unique code to identify the bank card.	9(10)	Alternative key field.
BANK CARD VERSION	The version number of the latest occurrence of the Bank Card	9(10)	Key field.
ELEMENT START POSITION	The start position of the element within the bank card.	9(2)	
ELEMENT LENGTH	The length of the element within the bank card.	9(2)	
ELEMENT FORMAT AUTO (Network Banking Look Up Code)	A value representing a Look Up Code of Type 12 (NETBANK Bank Card Element format)	9(2)	Optional. The meaning of this numeric code shall be determined from its respective Look Up Value record.

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<p>ELEMENT FORMAT MANUAL (Network Banking Look Up Code)</p>	<p>A value representing a Look Up Code of Type 12 (NETBANK Bank Card Element format)</p>	<p>9(2)</p>	<p>Optional. The meaning of this numeric code shall be determined from its respective Look Up Value record.</p>
<p>MANUAL INPUT</p>	<p>A flag of 'Y' or 'N' to indicate whether the specific Bank Card Element is capable of being captured during manual entry of data.</p>	<p>Str(1)</p>	

UNCONTROLLED COPY**4.5.49 IIN Range**

Defines the range of IINs which are included or excluded for a specific Bank Card.

Record	Description	Format	Comments
DATA CONTENT AMENDMENT RECORD - Multiple Records			
Field Name	Description	Format	Comments
DATA IDENTIFIER	Code used to identify a data record in the transmission.	9(1)	The record type always start with the number 1.
LINE COUNT	The unique line number within the transfer file.	9(10)	Used to identify any errors between Post Office Limited and Fujitsu Services (Pathway). The line count increments by 1 from the previous line. The line count should be in ascending order.
TABLE/ENTITY ID		Str(15)	"IIN-RANGE "
ACTION		Str(1)	"C" - Create "U" - Update
IIN RANGE ID	A unique system generated code to identify the IIN Range.	9(10)	Key field.
START DATE	The date when this instance becomes effective.	Date Time	Key field.
END DATE	The date when this instance ceases to be effective.	Date Time	Optional.
DATE CREATED	Date instance created.	Date Time	
BANK CARD ID	A unique code that identifies the Bank Card.	9(10)	Alternative key field.
VERSION	The version number of the latest occurrence of the reference data entity.	9(10)	Alternative key field.
IIN LENGTH	The length of the IIN Range to be matched.	9(2)	
IIN START VALUE	The lowest value in the IIN Range.	Str(12)	The length of the string must match the IIN length
IIN END VALUE	The highest value in the IIN Range.	Str(12)	

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<p>IIN RANGE TYPE (Network Banking Look Up Code)</p>	<p>A value representing a Look up Code of type 9 that defines whether the IIN Range is 'Included' or 'Excluded' from a specific Bank Card</p>	<p>Str (3)</p>	<p>Key Field. Valid values are "INC" and "EXC" representing inclusive or exclusive range types. Within this version of the interface the value will always be "INC".</p>
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4.6 Version Control Rules

4.6.1 Introduction

All non-static information within the Reference Data System is subject to version control. This definition is for the version control rules that apply to that data.

All relevant data held in the system and passed across any interfaces will conform to these rules.

4.6.2 Rules Description

All changes for a change request will be consolidated for transmission.

The following rules will be applied:

- The transfer file will contain a full set of amendments which when processed by the recipient system will be logically correct with all related data present.
- At most one version of a reference data record is valid for a specific date/time at any point in time.
- To create a new record for a given period, any existing record(s) overlapping that period must be superseded.
- The default start time is 00:00:00 i.e. start of a day.
- The default end time is 23:59:59 i.e. end of a day.
- Where a record does not have an end-date specified, the default end-date/time is null.
- If a record has been created for future activation it may be cancelled by setting its end-date/time to the same as its start-date/time.
- Where the end-date/time is null, the record is valid when current-date/time \geq start-date/time unless it has been superseded.
- A new record cannot be created with a start-date/time $<$ current-date/time.

N.B. You can set/amend the end-date/time on an existing record where its start-date/time $<$ current-date/time.

- End-date/time must be \geq start-date/time.
- An end-date/time cannot be set $<$ current-date/time.
- The default expiry of a prior record is 'start-date/time (of succeeding record) - 1 second'.
- For a specific date/time the valid reference data record is:

The highest version number where current-date/time \geq start-date/time and (current-date/time \leq end-date time or the end-date/time is null).

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UNCONTROLLED COPY**4.6.3 Example illustration**

- Create new record V1 - start date set, no end-date.
- To change the data a new record is created - V3. An intermediate version - V2 - is also created, which supersedes V1 by setting an end-date for it. (V2 & V3 have the same Date Created).
- This process is repeated - creating V5 (a time-limited version, as it is created with both start and end dates specified) causes the intermediate V4 to be created.
- A record to be activated in the future is created - V6.
- V6 is amended and a new record V7 is created.
- V5 is amended - creating V8 and V9.
- V10 is a record created to commence after V9 has expired. However, this record has been created as a future version, and was not based on V9 even though they run contiguously.
- There is a period between V10 and V7 when there are no valid reference data records.
- A future activated record is created - V11.
- The future record is cancelled (by setting the end-date/time to be the same as the start date/time). This creates V12.

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- V13 is created as a future record which overwrites the period where V11 previously applied.

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4.7 Data Authentication

A transfer file for Fujitsu Services (Pathway) can be identified by the “TMS” label found in field 3 (Transmission Name) of the header record.

The following information is included to aid in authenticating the data:

- Each record in the interface file has a unique record number.
- The Trailer Record contains the total number of transactions within the interface file.
- The File Header contains the name of the target system.
- The File Header contains the name of the source system.
- The interface file version number is included in the File Header.

4.8 Example Transfer File

The following example is for a single **new** Item Structure Type. Note the data is for illustration purposes only.

```
0,0,"TMS", 25, "01/01/1997 18:05:30",,"RD",,"5.2"  
3,1,"000000000000000000027", "1",  
1,2, "ITEM-STRU-TYPE", "C",1,"05/02/1996 00:00:00",,"Mandatory Associated"  
2,2
```

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5. SECURITY OF TRANSMITTED DATA

5.1 Need to Know

No special need to know status has been identified for the security aspects of this interface with the current scope. If the scope changes then this section will be revised.

5.2 Protected Data

With the present scope of the reference data system this section is not applicable. However, if information of a security nature (e.g. security fittings at outlets) is passed over the interface in future then this section will be revised.

5.3 Encryption and Decryption Methods

No encryption or decryption methods are used between the Reference Data System and the gateway PC.

5.4 Session Establishment

Refer to the Technical Interface Specification (ref. 1.6.1).

5.5 Key Management

This section is not applicable in this specification.