FUJ00171947

Document Title: TPS Object Model

Document Type: Design

Abstract: This document describes the object model for the TPS subsystem interfaces. It shows how the TIP and MIS interface objects are derived from Counter transaction objects via TPS Host table objects.

Status: Draft

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0 Document control

0.1 Document history

Version	Date	Reason
0.3	18/11/96	Initial version for limited circulation
0.5	12/12/96	Re-issue for comment
0.6	16/01/96	Incorporates agreements on BES/EPOSS Integration and revisions to the TIP AIS and DW to TPS IS
0.7	01/12/97	Major re-issue due to EPOSS and BES revision
0.8	12/12/97	Update to incorporate further BES changes
0.9	18/12/97	Update to incorporate BES EVP, TIP transaction identification, reversals and some other minor changes
1.1	22/02/99	Major update to align with the revised Release 2 design
1.2	15/04/99	To align with TPS Host Tables, latest version of the Pathway to TIP AIS, and include more explanatory information
1.3	17/05/99	To align with changes to the MIS Release 2: TPS EPID v4.1, in particular additional Service Code Types: not published
1.4	19/08/99	Re-issue for CSR+ BES details removed Document structure changed. Data Item **transaction_mode_version_no** added to tables **tms_rx_aps_transactions, tms_rx_eposss_transactions, tms_rx_obcs_transactions**

0.2 Approval authorities

Name	Position	Signature	Date
Alan Ward	Chief Architect		

0.3 Associated documents

	Reference	Vers	Date	Title	Source
1	TD/DES/005	0.3	25/09/96	Pathway Object Model Process	
2	BP/DES/010	0.3	10/02/99	TP Service Design Specification	
3	TI/IFS/001	5.5a	01/03/99	Pathway to TIP AIS	POCL

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4	DW/IFS/009	4.1	26/04/99	MIS Release 2: TPS EPID	CFM
5	EP/DES/002	6.1	02/10/98	EPOSS Attribute Grammar Catalogue	
6	AD/DES/008	1.0	15/10/98	BPS Riposte Message Catalogue (Release 2)	
7	AD/DES/011	1.0	15/10/98	TPS Agents for Release 2 High Level Design	
8	AD/DES/012	1.0	15/10/98	TPS Tables and Mappings for Release 2	
9			15/03/99	Designer 2000: TPS Table Definition	

0.4 Abbreviations

0.5 Changes in this version

Re-issue for CSR+

BES details removed

Document structure changed.

Data Item transaction_mode_version_no added to tables tms_rx_aps_transactions, tms_rx_eposss_transactions, tms_rx_obcs_transactions

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0.6 Table of content

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1. Introduction

The TPS Object Model describes the mapping of Counter message objects into TPS Host table objects into TIP and MIS output file objects. The object descriptions for the TPS table objects and the TIP and MIS output file objects show how the objects are derived.

The document adheres to the naming conventions used by the different hardware platforms: thus ProductNo in the EPOSS Transaction is renamed as prod_id in the Oracle database and renamed again as Item_Id when it appears in the TIP interface file to POCL.

The TPS Object Model consists of the following sections:

- The Local Business Object Model, providing the class diagrams, the first diagram describes the structure of the class diagrams
- Description of the Riposte and EPOSS messages, their derivation, their attributes, and its associations with other objects
- Description of tables in the Oracle database which are loaded by the TPS Agent and which are then used by the TPS Host to load into the output files for POCL TIP and the Data Warehouse. The mapping describes all data items and their derivation
- Description of the TPS output files
- Description of the interface to the Data Warehouse.

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2. Local Business Object Model

TPS Class Diagram Structure(CLD00001.DAT)	
The class diagrams consist of 3 sets of diagrams: 1. The transaction derivation diagrams These diagrams show how the constituent components of counter transactions, events and other related messages are associated and used to construct the TPS host tables. The TPS tables are used to construct the various TIP and MIS outputs 2. The TIP and MIS transmission files These diagrams show how the TIP and MIS transmission files are constructed from the TIP and MIS outputs. In the case of TIP, the TIP transmission files are constructed from subfiles containing the TIP outputs 3. The OMT diagramming convention This diagram explains the OMT diagramming convention used in the class diagrams	
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Date Last Changed: **14-Apr-99 11:29:40**	Last Changed By: **ROY SMETHURST**

Figure 1 - TPS Class Diagram Structure (Class Diagram)

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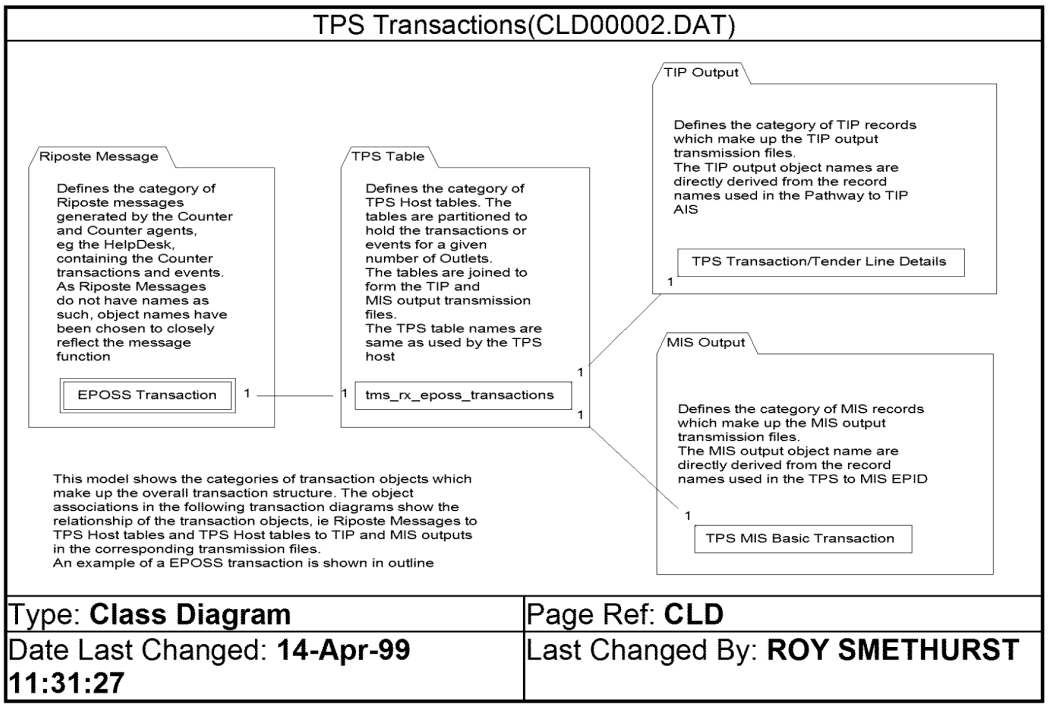

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Figure 2 - TPS Transactions (Class Diagram)

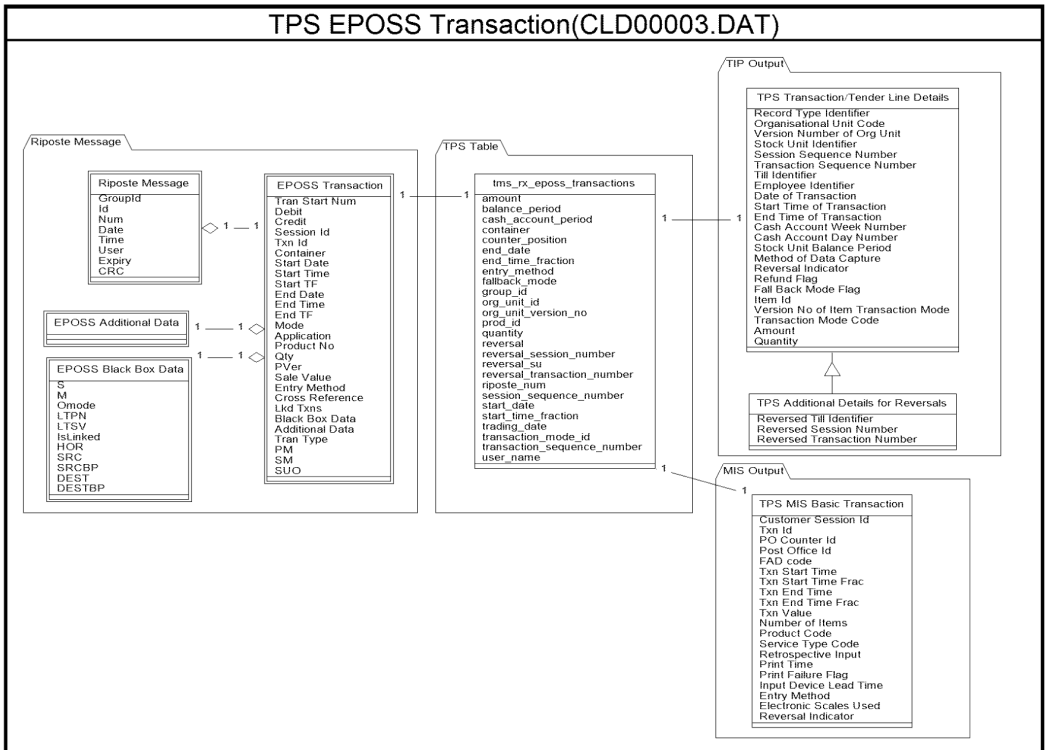

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Figure 3 - TPS EPOSS Transaction (Class Diagram)

TPS EPOSS Event(CLD00004.DAT)

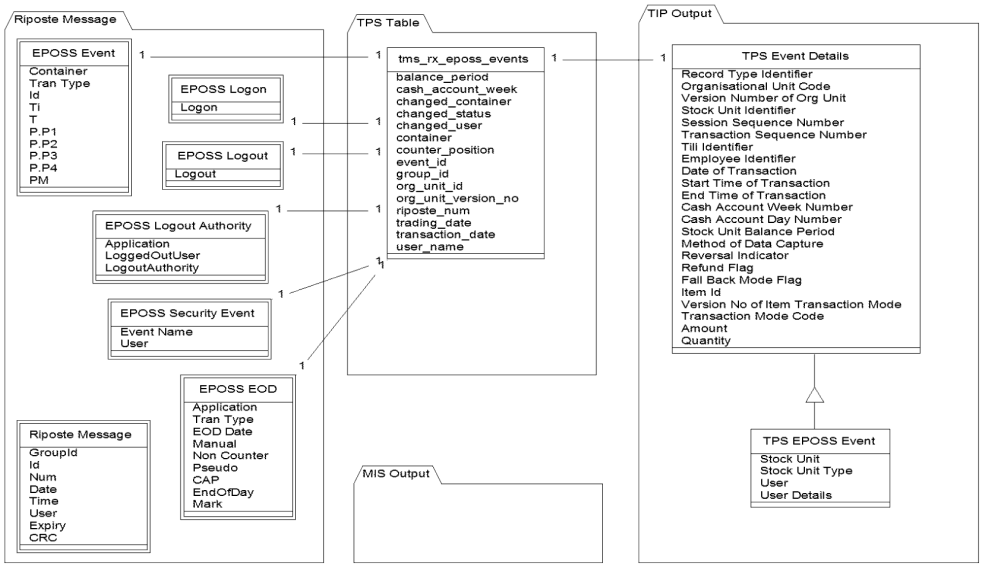

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Figure 4 - TPS EPOSS Event (Class Diagram)

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TPS APS Transaction(CLD00005.DAT)

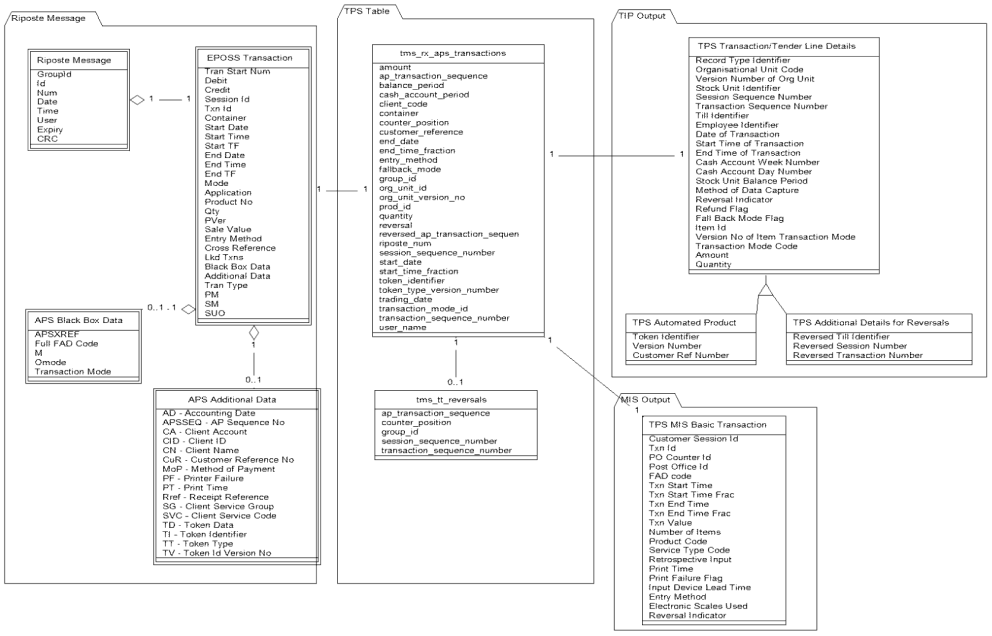

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Figure 5 - TPS APS Transaction (Class Diagram)

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TPS OBCS Transaction(CLD00006.DAT)

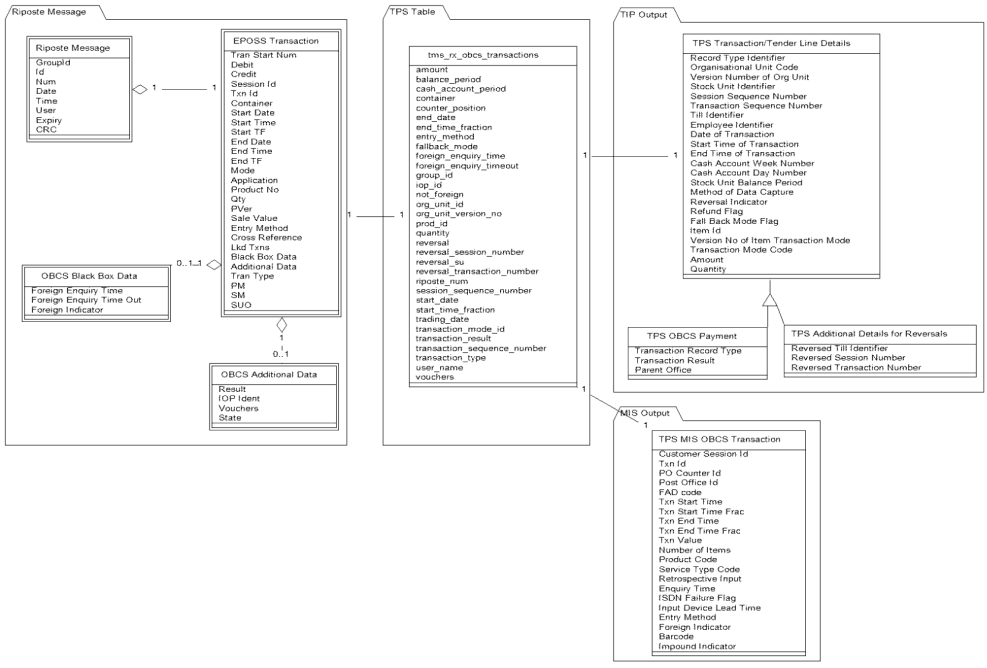

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Figure 6 - TPS OBCS Transaction (Class Diagram)

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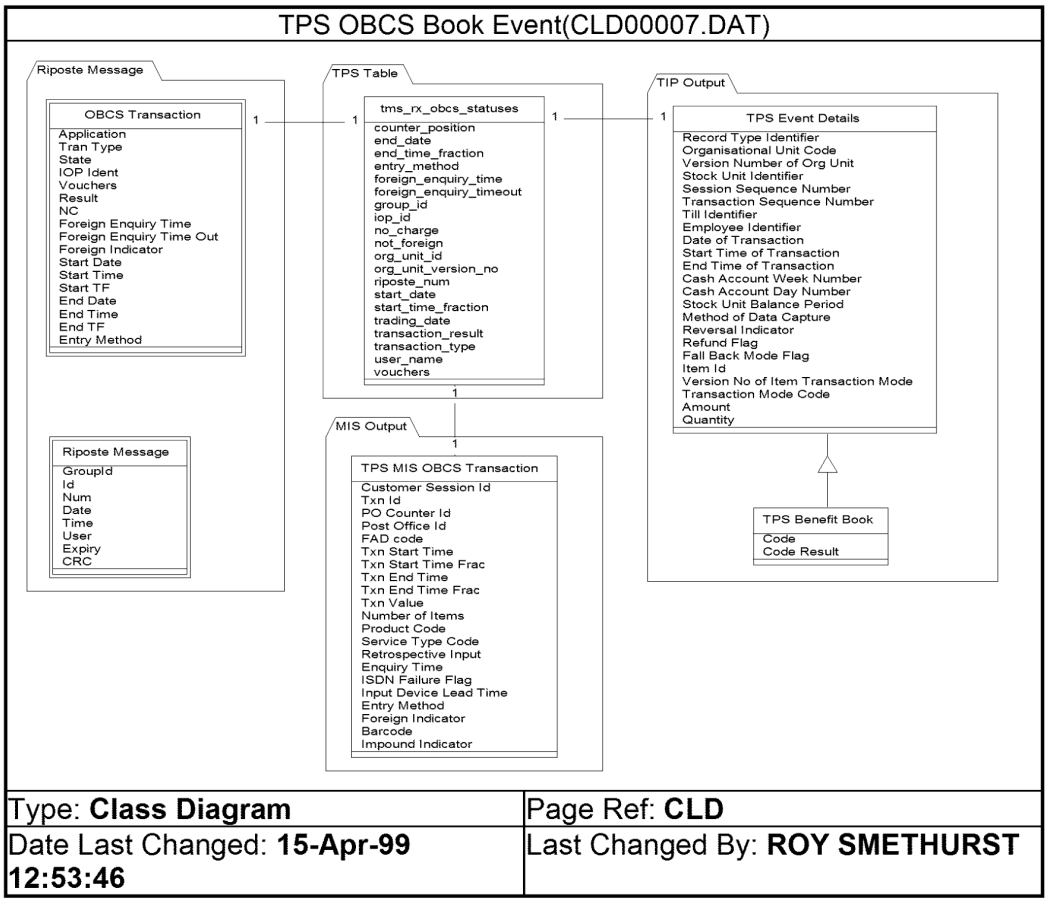

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Figure 7 - TPS OBCS Book Event (Class Diagram)

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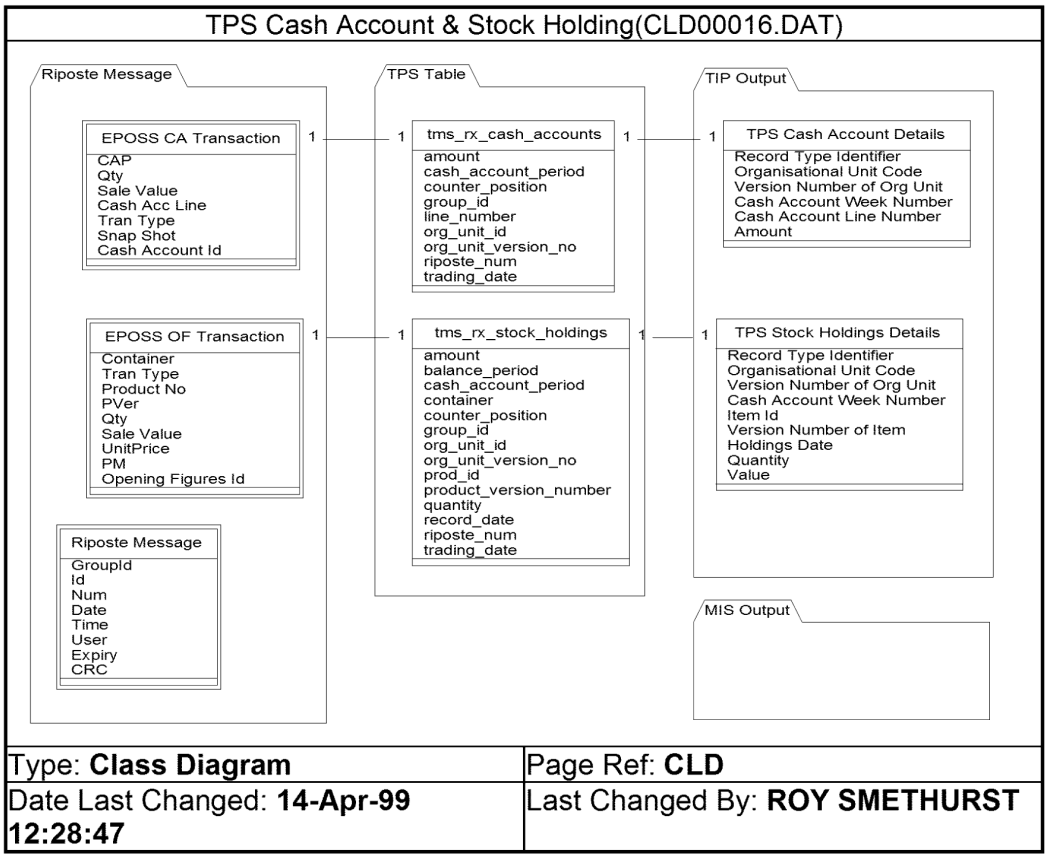

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Figure 8 - TPS Cash Account & Stock Holding (Class Diagram)

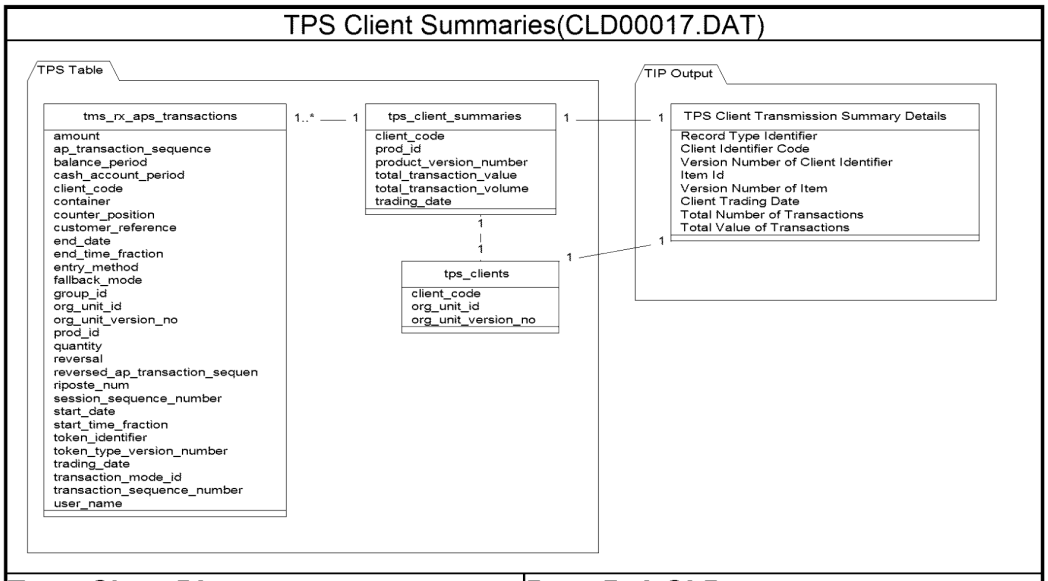

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Figure 9 - TPS Client Summaries (Class Diagram)

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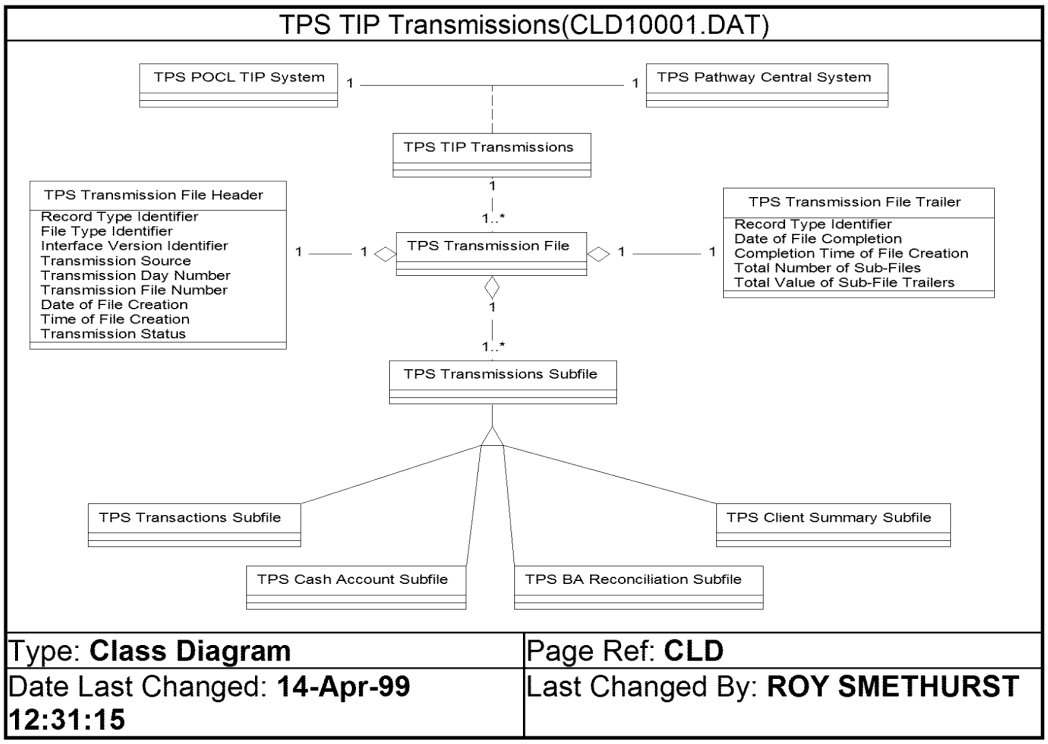

Figure 10 - TPS TIP Transmissions (Class Diagram)

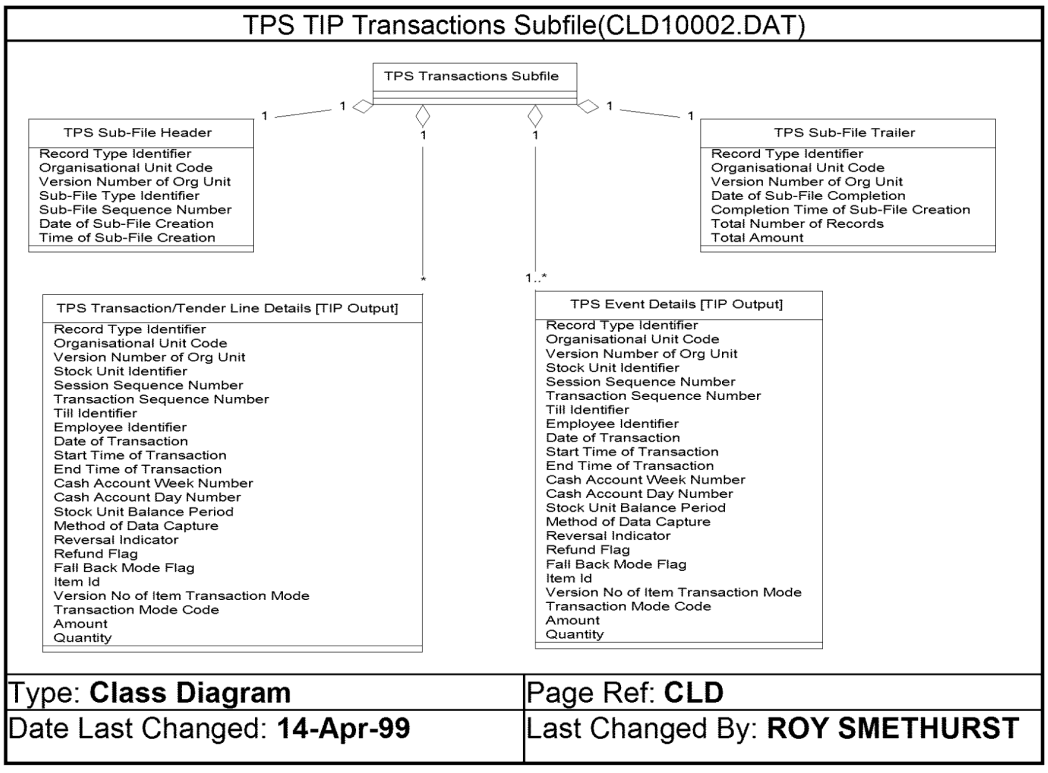

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Figure 11 - TPS TIP Transactions Sub file (Class Diagram)

TPS TIP Cash Account Subfile(CLD10003.DAT)

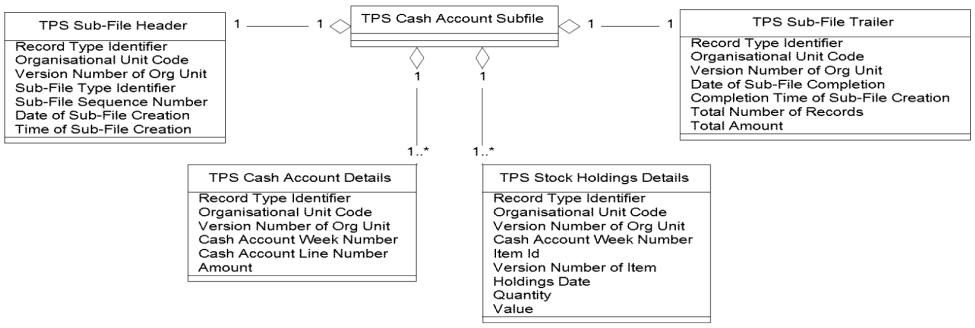

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Figure 12 - TPS TIP Cash Account Sub file (Class Diagram)

TPS TIP Client Summary Subfile(CLD10005.DAT)

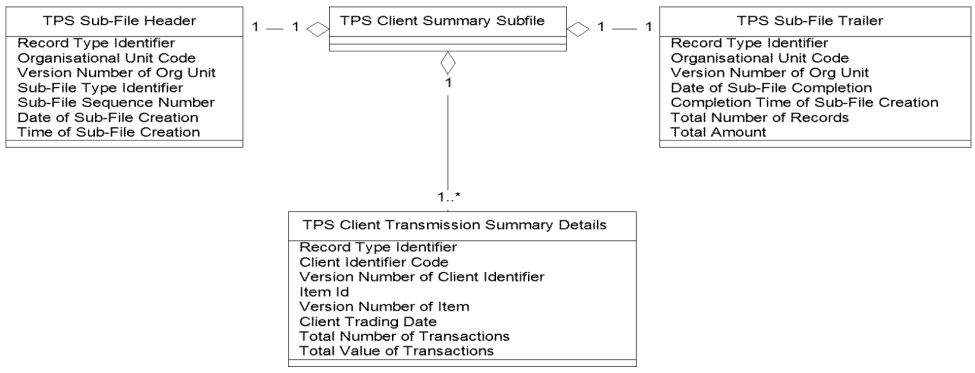

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Figure 13 - TPS TIP Client Summary Sub file (Class Diagram)

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TPS MIS Transmissions(CLD20001.DAT)

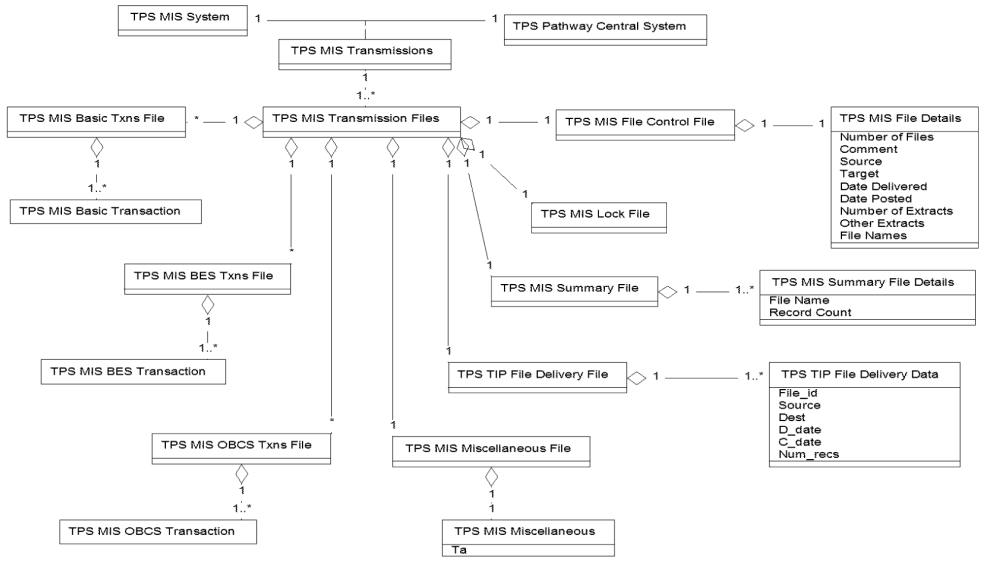

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Figure 13 - TPS MIS Transmissions (Class Diagram)

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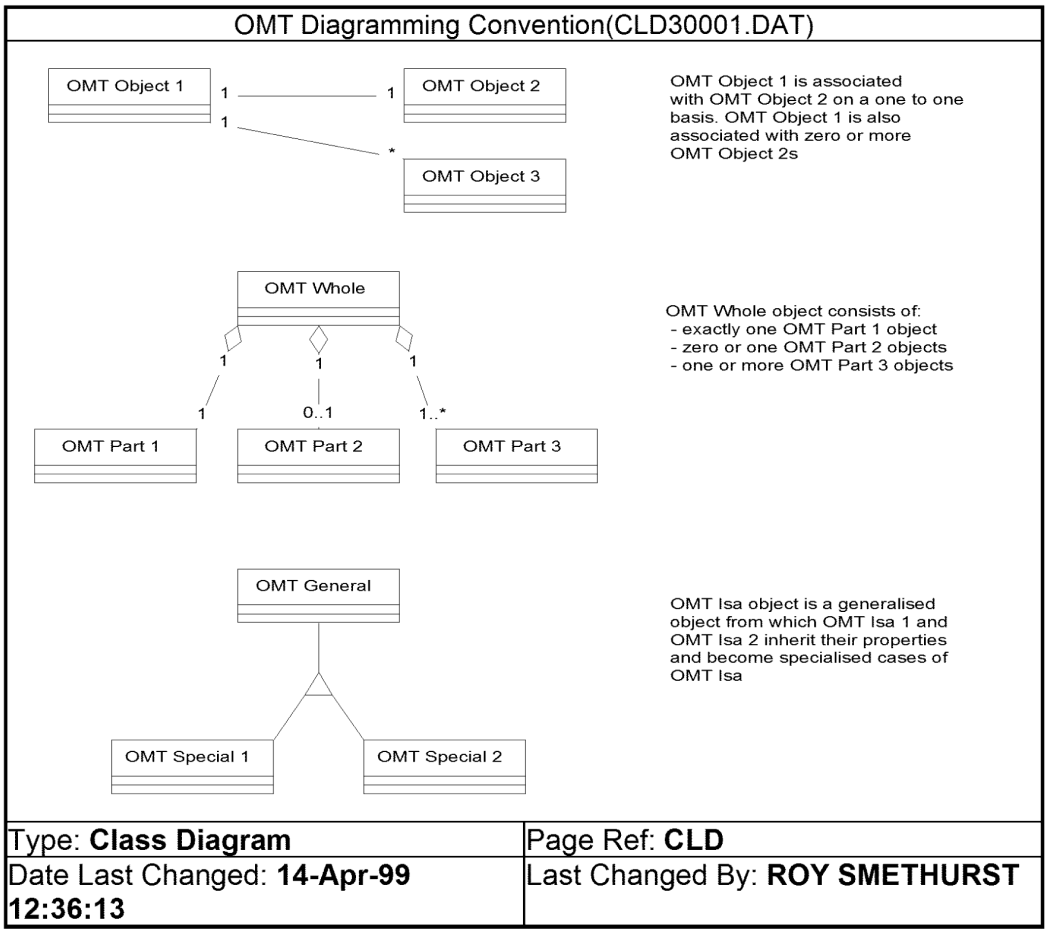

Figure 145 - OMT Diagramming Convention (Class Diagram)

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3. Riposte Messages

3.1 Introduction

This section contains details of the Counter messages held in message store. Some of the details are derived from Riposte whilst others are placed there by EPOSS. Some of the messages are written by other Counter processes such as End of Day.

3.2 EPOSS Logon

Parent Category:
Riposte Message
Description:
The logon event message
Attributes:
Logon X(15)
The user name of the logged on user

Association Statements
Each EPOSS Logon:
Is related to only one tms_rx_eposs_events

3.3 Riposte Message

Parent Category:
Riposte Message
Description:
The Riposte Message object provides which the message header attributes for all message objects
Attributes:
GroupId 9(6)
Outlet identifier (6 digits of the FAD code)
Id 9(2)
Counter position number
Num 9(8)
Riposte message number
Date X(11)
The date the message is written to the journal, format(DD-Mon-YYYY)
Time X(8)
The time the mesaage is written to the journal, format(HH:MM:SS)
User X(15)
Clerk/employee as Riposte user
Expiry 9(3)
The number of days before message expiry

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CRC X(8)
Message cyclic redundancy check to protect message integrity

Association Statements
Each Riposte Message:
has no associations.

3.4 EPOSS Transaction

Parent Category:
Riposte Message
Description:
A transaction that records the sale of stock items and the associated payments from the customer
Attributes:
Tran Start Num 9(8)
Not used by Pathway
Debit 9(9)
Used when money is being 'paid' out of the drawer, unsigned pence
Credit 9(9)
Used when money is being 'paid' into the drawer, unsigned pence
Session Id X(18)
Unique session identifier for all transactions within a customer session. Contains GroupId, Id and Num separated by hyphens of the messages (normally the first) within the session
Txn Id X(18)
Unique transaction identifier for all messages within a customer transaction. Contains GroupId, Id and Num separated by hyphens of the messages (normally the first) within the transaction
Container X(3)
Stock unit name
Start Date X(11)
Date the transaction commenced
Start Time X(8)
Time the transaction commenced
Start TF 9
Tenths of a second part of the start transaction time
End Date X(11)
Date the transaction completed
End Time X(8)
Time the transaction completed

End TF 9
Tenths of a second part of the completion transaction
Mode X(4)

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Contains the mode of the system when the transaction is written. Same values as BlackBoxData.M, however Mode is used by TPS in preference
- SC=serve customer
- ER=linked reversal
- RV=unlinked reversal
- RISD=remit in from Supplies
- ROSD=remit out to Supplies
- RU=Revaluation Uprating
- RD=Revaluation Downrating
- TI=transfer in
- RIOP=remit in from other PO
- ROOP=remit out to other PO
- RICL=remit in Client
- ROCL=remit out Client
- RODC=remit out DPC
- TO=transfer out
- REC=recovery (bulk input)
- HK=housekeeping
- SAP=stock adjustment positive
- DDP=declaration discrepancy positive
- SAN=stock adjustment negative
- DDN=declaration discrepancy negative
- RIAD=remit in from ADC
- ROAD=remit out to ADC

Application X(12)
Application name generating the transaction, eg EPOSSAppMain, EOD, OBCS, APS

Product No 9(4)
Product to which this transaction relates

Qty S9(5)
Quantity of product transacted, may be negative

PVer 9(4)
Identifies the version of reference data used for the product

Sale Value S9(7)V(2)
Actual sale value, may be negative, or zero in the case of milk tokens

Entry Method 9
Method of data capture, 0=barcode, 1=keyboard (manual), 2=magnetic card, 3=smart card, 4=smart key, 5=scales

Cross Reference X(18)
Cross reference to another transaction, eg for reversal. The GroupId, Id and Num separated by hyphens of the cross referenced message

Lkd Txns 9(2)
A count of transactions following this one that are logically linked to this one

Black Box Data struct

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Data provided by extended applications, passed through by EPOSS. The following attribute apply but are not described:
- S, unknown but always 1
- M, mode, same value as Mode
- LTPN, linked txn product number
- LTSV, linked txn sale value
- HOR, unknown - used with scales
- IsLinked, is linked to a previous txn
- SRC, source stock unit for a transfer
- SRCBP, source balance period? - preceded by a back slash. Only used for transfer out
- DESTBP, destination balance period? - preceded by a back slash. Only used for transfer in
- DEST, destination stock unit for a transfer

Additional Data struct

Zero or more attributes containing data captured as part of this transaction. The number and names of all additional data fields match those defined in product additional data

Tran Type X

Flag, used primarily for reporting, to indicate the type of transaction, S=serving

PM struct

Primary mappings for levels 1 through 5 - maps this transaction to the EPOSS summarisation hierarchy

SM struct

Secondary mappings for levels 1 through 5 - maps this transaction to the EPOSS summarisation hierarchy

SUO

Attribute unknown to Pathway

Association Statements

Each EPOSS Transaction:
Is related to only one tms_rx_eposs_transactions
Is related to only one tms_rx_aps_transactions
Is related to only one tms_rx_obcs_transactions

3.5 EPOSS Additional Data

Parent Category:

Riposte Message

Description:

Additional application specific data

Attributes:

None

Association Statements

Each EPOSS Additional Data:
has no associations.

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3.6 Additional Data for APS

Parent Category:
Riposte Message
Description:
Additional data for APS transactions
Attributes:
AD - Accounting Date X(11)
The accounting date upon which the transaction was completed, format (dd-Mon-yyyy)
APSSEQ - AP Sequence No 9(6)
The AP transaction sequence number within the customer session, consists of the counter identifier and an AP transaction sequence number for that counter (RiposteMessage.Id*10000)+APTxnSeqNo
CA - Client Account 9(4)
The Client account code
CID - Client ID 9(4)
The Client identifier code
CN - Client Name X(24)
The name of the Client
NB Internal APS attribute
CuR - Customer Reference No X(20)
The customer reference number
MoP - Method of Payment X(6)
The method of payment, ie cash, cheque
PF - Printer Failure 9
Identifies whether a printer failure has occurred whilst printing an APS receipt, 0=success, 1=failure
NB: not implemented in CSR or CSR+
PT - Print Time 9(8)
The receipt print time in microseconds
NB: not implemented in CSR or CSR+
Rref - Receipt Reference X(24)
The total token data printed on the receipt, may be longer than Token Data
NB Internal APS attribute
SG - Client Service Group X(2)
The Client service group (nb set by Pathway in Reference Data)
SVC - Client Service Code 9(4)
The Client service code
TD - Token Data X(24)
The actual data contained on the token with which the Luhn check digit applies
NB Internal APS attribute
TI - Token Identifier 910)

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The token identifier which identifies the token and the data elements on the token

TT - Token Type X(2)

The AP token type, (ie MC=magnetic card, BC=barcode, SC=smart card, SK=smart key)

TV - Token Id Version No 9(10)

The version number of the token identifier

Association Statements

Each APS Additional Data:
has no associations.

3.7 Additional Details for OBCS

Parent Category:

Riposte Message

Description:

Additional information giving order book details provided by OBCS during the EPOSS transaction

Attributes:

Result 9

The result of the OBCS transaction, ie 1=OK, 2=Impound, 3=Unreadable, 4=Invalid

IOP Ident struct

The IOP Identifier consists of Customer Reference Number, Additional Book Indicator, OB Serial Number and CPP System Indicator

Vouchers 9(2)

The number of vouchers encashed

State 9

The OBCS transaction state, the valid types are (1=Receipt, 2=Redirect, 3=Issue,) 4=Encashment, 5=NoBarcode

Association Statements

Each OBCS Additional Data:
has no associations.

3.8 EPOSS Black Box Data

Parent Category:

Riposte Message

Description:

Data provided by extended applications, passed through by EPOSS

Attributes:

S 9

Unknown but always 1

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M X(4)
The transaction mode, same values as Mode
Omode X(4)
The mode of the original transaction for a reversal
LTPN 9(4)
Linked txn product number
LTSV S9(7)V9(2)
Linked txn sale value
IsLinked X(5)
Is linked to a previous transaction, True or False
HOR ??
Unknown - used with scales
SRC X(3)
Source stock unit for a transfer
SRCBP 9(3)
Source balance period? - preceded by a back slash. Only used for transfer out
DEST X(3)
Destination stock unit for a transfer
DESTBP 9(3)
Destination balance period? - preceded by a back slash. Only used for transfer in

Association Statements
Each EPOSS Black Box Data:
has no associations.

3.9 APS Black Box Data

Parent Category:
Riposte Message
Description:
Black box data defined for APS
Attributes:
APSXREF X(6)
The APS cross-reference to the reversed transaction, format as APSSEQ
Full FAD Code X(7)
The full FAD code, as this is required by the APS Host and cannot be derived easily from the GroupId
M X(4)
The transaction mode, same values as Mode
Omode X(4)
The mode of the original transaction for a reversal
Transaction Mode 9
The AP transaction mode, superseded by EPOSSTransaction.Mode

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Association Statements

Each APS Black Box Data:
has no associations.

3.10 OBCS Black Box Data

Parent Category:

Riposte Message

Description:

The EPOSS Transaction Black Box Data carries foreign enquiry attributes

Attributes:

Foreign Enquiry Time 9(8)

The time in microseconds to complete a foreign enquiry on the central OBCS database

Foreign Enquiry Time Out 9

Indicates whether the foreign enquiry timed out due to ISDN failure, 0=OK, 1=timeout

Foreign Indicator 9

Indicates whether a foreign encashment took place, 0=local, 1=foreign

Association Statements

Each OBCS Black Box Data:
has no associations.

3.11 EPOSS Event

Parent Category:

Riposte Message

Description:

EPOSS events occur in response to user action. They take the form of an EPOSS Txn Object with TranType=E.
Parameters (P1, P2, etc) are held with the P attribute as name value pairs. The order of the parameter is the order in which they appear in the Text, T, attribute

Attributes:

Container X(3)

Stock unit name

Tran Type X

Flag, used primarily for reporting, to indicate the type of transaction, E=event

Id 9(2)

Unique identifier for this event, value include:
40=CashAccControl
9=SUCreated
10=SUDeleted

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7=UserAttached
6=RolloverComplete

Ti ??X(??)
Descriptive title for this event

T ??X(??)
Description for the event, including parameters appropriate for this type of event

P.P1 X(??)
First parameter appearing in the event text

P.P2 X(??)
Second parameter appearing in the event text

P.P3 X(??)
Third parameter appearing in the event text

P.P4 X(??)
Fourth parameter appearing in the event text

PM Struct
Primary mappings

Association Statements
Each EPOSS Event:
Is related to only one tms_rx_eposs_events

3.12 OBCS Transaction

Parent Category:
Riposte Message

Description:
The OBCS transaction for processing Order Books. It has no monetary value associated. The actions are Receive, Redirect or Issue

Attributes:

Application X(4)
Application name, OBCS

Tran Type X(5)
The transaction type, Admin

State 9
The OBCS transaction state, the valid types are 1=Receipt, 2=Redirect, 3=Issue, (4=Encashment, 5=NoBarcode)

IOP Ident struct
The IOP Identifier consists of Customer Reference Number, Additional Book Indicator, OB Serial Number and CPP System Indicator

Vouchers 9(2)
The number of vouchers encashed, always 0

Result 9
The result of the OBCS transaction, ie 1=OK, 2=Impound, 3=Unreadable, 4=Invalid

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Foreign Enquiry Time 9(8)
The time in microseconds to complete a foreign enquiry on the central OBCS database
Foreign Enquiry Time Out 9
Indicates whether the foreign enquiry timed out due to ISDN failure, 0=OK, 1=timeout
Foreign Indicator 9
Indicates whether a foreign encashment took place, 0=local, 1=foreign
Start Date X(11)
Date the transaction commenced
Start Time X(8)
Time the transaction commenced
Start TF 9
Tenths of a second part of the start transaction time
End Date X(11)
Date the transaction completed
End Time X(8)
Time the transaction completed
End TF 9
Tenths of a second part of the completion transaction
Entry Method 9
Method of data capture, 0=barcode, 1=keyboard (manual), 2=magnetic card, 3=smart card, 4=smart key, 5=scales

Association Statements
Each OBCS Transaction:
Is related to only one tms_rx_obcs_statuses

3.13 EPOSS CA Transaction

Parent Category:
Riposte Message
Description:
At rollover a set of transactions are written that reports the content of each of the cash account lines. Only lines that contain anything are reported on. A subset of the normal transaction format is used
Attributes:
CAP 9(3)
The Cash Account Period that is being reported
Qty S9(5)
Quantity of product on cash account line, negative
Sale Value S9(7)V(2)
Actual sale value on cash account line, negative
Cash Acc Line 9(8)

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The actual line number being reported. Lines take the form qqqqvvvv, qqqq9999 or 9999vvvv, where qqqq and vvvv are the respective quantity and sale value line numbers

Tran Type X

Flag, used primarily for reporting, to indicate the type of transaction, C=cash account

Snap Shot X(5)

Snap shot indicator, True or False

Cash Account Id X(18)

The cash account identifier used to identify all cash account lines for the corresponding cash account, = message identifier of first cash account line?

Association Statements

Each EPOSS CA Transaction:
Is related to only one tms_rx_cash_accounts

3.14 EPOSS OF Transaction

Parent Category:

Riposte Message

Description:

Opening figures trailer identifies the end of the opening figures transactions which provide the stock holding at the start of the new balance period. All opening figures transactions for the same Outlet are linked via the Opening Figures Id attribute

Attributes:

Container X(3)

Stock unit name, note ## for Outlet stock unit

Tran Type X

Flag, used primarily for reporting, to indicate the type of transaction, B=balance rollover, H=cash account rollover

Product No 9(10)

Product to which this transaction relates

PVer 9(10)

The product version number

Qty S9(5)

Quantity of product held, negative

Sale Value S9(7)V(2)

Actual sale value, negative

UnitPrice S9(7)V(2)

Unit price for this product

PM struct

Primary mappings for levels 1 through 5

Opening Figures Id msgno

A key value that is used in all opening figures transactions, =messageno (no hyphens) of first stock holding txn of these opening figures

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Association Statements

Each EPOSS OF Transaction:
Is related to only one tms_rx_stock_holdings

3.15 EPOSS Security Event

Parent Category:

Riposte Message

Description:

Identifies logon/logout security events

Attributes:

Event Name X(11)

The event name, FailedLogon

User X(15)

The user name

Association Statements

Each EPOSS Security Event:
Is related to only one tms_rx_eposs_events

3.16 EPOSS EOD

Parent Category:

Riposte Message

Description:

The EOD message generated at Outlet close plus half an hour or 19:00 hours whichever is the earlier

Attributes:

Application X(3)

The application name, EOD

Tran Type X(7)

The transaction type, EODMark

EOD Date X(11)

The date to which the EoD applies, format dd-mon-yyyy

Manual 9

Indicates the EOD generated at at time other than normal EOD, ie when counter recovered after failure, 1=recovery, 0=otherwise

Non Counter 9

Included if the EOD marker was centrally generated for a Post Office that is believed to be non-automated, 1=centrally generated, 0=otherwise

Pseudo 9

Included if the EOD marker was centrally generated for a Post Office that has not generated a "real" EOD marker "today" at the cut-off time

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NB not currently supported

CAP

Not used

EndOfDay

Not used

Mark ??

The ripose marker

Association Statements

Each EPOSS EOD:
Is related to only one tms_rx_eposs_events

3.17 EPOSS Logout

Parent Category:

Riposte Message

Description:

The logout event message

Attributes:

Logout X(15)

The user name of the logged out user

Association Statements

Each EPOSS Logout:
Is related to only one tms_rx_eposs_events

3.18 EPOSS Logout Authority

Parent Category:

Riposte Message

Description:

Identifies who and why logout has occurred

Attributes:

Application X(17)

The application, UserAccessControl

LoggedOutUser X(15)

Identifies the logged out user

LogoutAuthority X(7)

The logout authority, Desktop

Association Statements

Each EPOSS Logout Authority:
Is related to only one tms_rx_eposs_events

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4. Oracle Schema

4.1 Introduction

This section describes the tables contained in the Oracle database which is populated by the TPS Agent and which is accessed by TPS Host to produce the records output to TIP and to MIS.

The tables listed here are those used in the transfer of data to POCL TIP and the Data Warehouse. There are other tables in the database used for control purposes which are not described here.

The master definition for all table mappings is defined in Designer/2000.

The tables are listed in alphabetical sequence.

4.2 Table tmp_rx_cac_resend

Parent Category:
TPS Table
Description:
Temporary table for re-cycling cash account details from sub files which have been rejected by POCL TIP.

Attributes:
Same as tps_rx_cac_resend

4.3 Table tmp_rx_clt_resend

Parent Category:
TPS Table
Description:
Temporary table for re-cycling client summaries from sub files which have been rejected by POCL TIP.

Attributes:
Same as tps_rx_clt_resend

4.4 Table tmp_rx_otx_resend

Parent Category:
TPS Table
Description:
Temporary table for re-cycling transaction/tender lines from sub files which have been rejected by POCL TIP.

Attributes:

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Same as tps_rx_otx_resend

4.5 Table tmp_rx_stx_resend

Parent Category:
TPS Table
Description:
Temporary table for re-cycling stock holding details from sub files which have been rejected by POCL TIP.

Attributes:
Same as tps_rx_stx_resend

4.6 Table tms_rx_aps_transactions

Parent Category:
TPS Table
Description:
The basic table for APS transactions. This is used to generate the TIP (in conjunction with the tps_tt_reversals table) and MIS outputs
Attributes:
amount S9(9)V9(2)
The amount of the transaction
Derivation: EPOSSTransaction.SaleValue
ap_transaction_sequence 9(6)
The APS transaction sequence number of the original transaction
Derivation: EPOSSTransaction.AdditionalData.APSSEQ
balance_period 9(2)
The current stock unit balance period
Derivation: BP(EPOSSTransaction.Container)
where BP is an agent function which derives the balance period from the stock unit using the RolloverTrailer
cash_account_period 9(2)
The current stock unit cash account period
Derivation: CAP(EPOSSTransaction.Container)
where CAP is an agent function which derives the CAP from the stock unit using the RolloverTrailer
client_code 9(4)
The client identifier
Derivation: EPOSSTransaction.AdditionalData.CID
container X(3)
The current stock unit
Derivation: EPOSSTransaction.Container
counter_position 9(2)
The counter identifier
Derivation: RiposteMessage.Id

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customer_reference X(20)
The customer reference number
Derivation: EPOSSTransaction.AdditionalData.CuR
end_date date
Date the transaction completed
Derivation: EPOSSTransaction.End(Date+Time)
end_time_fraction 9
The end time fraction of a second
Derivation: EPOSSTransaction.EndTF
entry_method 9(2)
The initial entry method for the transaction
Derivation: EPOSSTransaction.EntryMethod
fallback_mode X
Indicates whether the transaction was entered in fallback mode, Y or N
Derivation: if EPOSSTransaction.Mode=REC then Y else N fi
NB: For APS and EPOSS Mode=REC (bulk input).
group_id 9(6)
The Outlet identifier
Derivation: RiposteMessage.GroupId
org_unit_id 9(10)
The organisational unit identifier for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(GroupId)
org_unit_version_no 9(10)
The organisational unit identifier version number for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(GroupId)
prod_id 9(10)
The product identifier
Derivation: EPOSSTransaction.ProductNo
NB: Padded with leading zeros
quantity 9(7)
The number of product items transacted
Derivation: EPOSSTransaction.Qty
reversal 9
The type of reversal, existing or new otherwise a normal transaction
Derivation: if EPOSSTransaction.Mode=RV then
Reversal=2
If EPOSSTransaction.Mode=ER and
EPOSSTransaction. Application = "APS" and
BlackBoxData.APSXREF = not null then
Reversal=1
If EPOSSTransaction.Mode=ER and
EPOSSTransaction. Application = "APS" and
BlackBoxData.APSXREF = null then
Reversal=2
reversed_ap_transaction_sequen 9(6)

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Cross-reference to the original AP transaction
Derivation: EPOSSTransaction.BlackBoxData.APSXREF

riposte_num 9(10)
The transaction message number
Derivation: RiposteMessage.Num

session_sequence_number 9(6)
The session sequence number derived from the last 6 digits of the session id message number
Derivation: EPOSSTransaction.SessionId.Num

start_date date
Date the transaction started
Derivation: EPOSSTransaction.Start(Date+Time)

start_time_fraction 9
The start time fraction of a second
Derivation: EPOSSTransaction.StartTF

token_identifier 9(10)
The AP token identifier
Derivation: EPOSSTransaction.AdditionalData.TI

token_type_version_number 9(10)
The version number of the token identifier
Derivation: EPOSSTransaction.AdditionalData.TV

trading_date date
The current trading date being harvested
Derivation: EODMark.EODDate

transaction_mode_id 9(2)
The mode of the transaction. The EPOSS mode is translated into an item transaction mode, as below:

EPOSS Mode	M	Transaction_ mode_id
ER	Serve Customer	1
RV	Serve Customer (reversal)	1
RISD	Remit In - Supplies Division	2
ROSD	Remit Out - Supplies Division	3
RU	Revaluation – Uprating	4
RD	Revaluation – Downrating	5
	Not used	6
TI	Transfer In - Between Stock Units	7
RIOP	Remit In - Other Offices	8
ROOP	Remit Out- Other Offices	9
RICL	Remit In – Client	10
ROCL	Remit Out – Client	11
RODC	Remit Out – DPC	12
TO	Transfer Out - Between Stock Units	13
REC	Bulk Input	14
HK	Housekeeping	15

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SAP	Stock Adjustment – Positive	16
DDP	Declaration Discrepancy – Positive	17
SAN	Stock Adjustment – Negative	18
DDP	Declaration Discrepancy – Negative	19
	Event	20*
	Ordered	21
PT	Parcel Traffic	22
NAD	Non Accounting Data	23
RIAD	Remit In to ADC	24
ROAD	Remit Out to ADC	25

Transaction_mode 20 (Event) is derived by TPS_Host

transaction_mode_version_no 9(10)
Version Number of Item Transaction Mode. Derived from EPOSSTransaction.BlackBoxData.V

transaction_sequence_number 9(4)
The transaction number within session. Derived by TPS Agent so that the first transaction in a session is assigned a sequence of 1 and subsequent transactions increase by 1
Derivation: RiposteMessage.Num-EPOSSTransaction.SessionId.Num+1

user_name X(15)
The username of the clerk
Derivation: RiposteMessage.User

Association Statements
Each tms_rx_aps_transactions:
Is related to only one EPOSS Transaction
Is related to only one TPS Transaction/Tender Line Details
Is related to only one TPS MIS Basic Transaction

4.7 Table tms_rx_cac_resend

Parent Category:
TPS Table
Description:
Table for re-cycling cash account lines from sub files which have been rejected by POCL TIP. If a transmision file contains any errors it is send back as a complete file to Pathway. Cash Account details from the clean sub files are loaded into this table and the bad sub files passed to EDSC for manual correction.

Attributes:

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amount S9(12)V9(2)
The amount of the cash account line, either the quantity or sale value
Derivation: Amount in the TPS Cash Account Details

cash_account_period 9(2)
The cash account period
Derivation: Cash Account Week Number in the TPS Cash Account Details

line_number 9(4)
The cash account line number.
Derivation: Cash Account Line Number in the TPS Cash Account Details

org_unit_id 9(10)
The organisational unit identifier for the Outlet
Derivation: Organisational Unit Code in the TPS Cash Account Details

org_unit_version_no 9(10)
The organisational unit identifier version number for the Outlet
Derivation: Version Number of Org Unit in the TPS Cash Account Details

record_type X(3)
Identifies the cash account details record
Derivation: Record Type Identifier in the TPS Cash Account Details (always "CAC")

Association Statements
Each tms_rx_cac_resend:
Is related to only one Tps Cash Account Details

4.8 Table tms_rx_cash_accounts

Parent Category:
TPS Table

Description:
The table for cash account lines.
Information is derived from the corresponding final outlet Cash Account, ie EPOSS CA Transaction which is an EPOSS Transaction with TranType=C and SnapShot=False
NB: Each cash account line is assumed complete, ie no totaling required for lines with same line number

Attributes:

amount S9(12)V9(2)
The amount of the cash account line, either the quantity or sale value
Derivation: if EPOSSCATransaction.SaleValue=null then EPOSSCATransaction.Qty else EPOSSCATransaction.SaleValue fi

cash_account_period 9(2)

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The cash account period
Derivation: EPOSSCATransaction.CAP

counter_position 9(2)
The counter identifier
Derivation: RiposteMessage.Id

group_id 9(6)
The Outlet identifier
Derivation: RiposteMessage.GroupId

line_number 9(4)
The cash account line number. Lines take the form qqqq or vvvv, where qqqq and vvvv are the respective quantity and sale value line numbers
Derivation: EPOSSCATransaction.CashAccLine

org_unit_id 9(10)
The organisational unit identifier for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(GroupId)

org_unit_version_no 9(10)
The organisational unit identifier version number for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(GroupId)

riposte_num 9(10)
The transaction message number
Derivation: RiposteMessage.Num

trading_date date
The current trading date being harvested
Derivation: EODMark.EODDate

Association Statements
Each tms_rx_cash_accounts:
Is related to only one EPOSS CA Transaction
Is related to only one TPS Cash Account Details

4.9 Table tps_rx_clt_resend

Parent Category:
TPS Table

Description:
Table for re-cycling client summaries from sub files which have been rejected by POCL TIP. If a transmision file contains any errors it is send back as a complete file to Pathway. Client Summary details from the clean sub files are loaded into this table and the bad sub files passed to EDSC for manual correction.

Attributes:

org_unit_id 9(10)
The organisational unit identifier for the AP Client

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Derivation: Client Identifier Code in the TPS Client Transmission Summary Details

org_unit_version_no 9(10)
The organisational unit identifier version number for the AP Client.
Derivation: Version Number of Client Identifier in the TPS Client Transmission Summary Details

prod_id 9(10)
The AP product identifier
Derivation: Item Id

product_version_number 9(10)
The product version number
Derivation: Version Number of Item in the TPS Client Transmission Summary Details

record_type X(3)
Identifies the TPS Client Transmission Summary Details
Derivation: Record Type Identifier in the TPS Client Transmission Summary Details (always "CLT")

total_transaction_value 9(12)V9(2)
Total value of transactions per trading day for each individual client product
Derivation: Total Value of Transactions in the TPS Client Transmission Summary Details

total_transaction_volume 9(6)
Total number of transactions per trading day for each individual client product
Derivation: Total Number of Transactions in the TPS Client Transmission Summary Details

trading_date date
The trading date applicable to the client, ie the transaction day (ccyymmdd)
Derivation: Client Trading Date in the TPS Client Transmission Summary Details

Association Statements
Each tms_rx_clt_resend:
Is related to only one TPS Client Transmission Summary Details

4.10 Table tms_rx_eposs_events

Parent Category:
TPS Table

Description:
The table for EPOSS events. EPOSS events are derived as follows:
914: EPOSSEvent.Id=40
915: EPOSSEvent.Id=9

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916: EPOSSEvent.Id=10
917: EPOSSEvent.Id=7
919: EPOSSEvent.Id=6
923: EOD
930: Logon
931: Logout
932: SecurityEvent, FailedLogon
933: Manager Forced Log Out (not at CSR)
938: Forced Log Out

Attributes:

balance_period 9(2)
The current stock unit balance period
Derivation: if event_id=919 then EPOSSEvent.P.P3 else null fi

cash_account_week 9(3)
The current stock unit cash account period
NB: This attribute is named cash_account_period with data tpye 9(2) in all other tables
Derivation: if event_id=914 then EPOSSEvent.P.P1
elsf event_id=919 then EPOSSEvent.P.P2
elsf event_id=915 or 916 then CAP(EPOSSEvent.Container) fi
Where CAP is an Agent function that returns the CAP using the Rollover Trailer

changed_container X(3)
The changed stock unit
Derivation:
if event_id=916 or 919 then EPOSSEvent.P.P1
elsf event_id=915 or 917 then EPOSSEvent.P.P2 else null fi

changed_status X
The stock unit status
Derivation: if event_id=915 then EPOSSEvent.P.P1 else null fi

changed_user X(15)
The new user
Derivation: if event_id = 917 then EPOSSEvent.P.P1 else null fi

container X(3)
The current stock unit
Derivation: EPOSSEvent.Container

counter_position 9(2)
The counter identifier
Derivation: RiposteMessage.Id

event_id 9(3)
The event identifier
Derivation:
914: EPOSSEvent.Id=40
915: EPOSSEvent.Id=9
916: EPOSSEvent.Id=10
917: EPOSSEvent.Id=7
919: EPOSSEvent.Id=6
923: EOD
930: Logon

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931: Logout
932: SecurityEvent, FailedLogon
933: Manager Forced Log Out (not at CSR)
938: Forced Log Out

group_id 9(6)
The Outlet identifier
Derivation: RiposteMessage.GroupId

org_unit_id 9(10)
The organisational unit identifier for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(GroupId)

org_unit_version_no 9(10)
The organisational unit identifier version number for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(GroupId)

riposte_num 9(10)
The transaction message number
Derivation: RiposteMessage.Num

trading_date date
The current trading date being harvested
Derivation: EODMark.EODDate

transaction_date date
The date of the event taken from the riposte message
Derivation: RiposteMessage.(Date+Time)

user_name X(15)
The username of the clerk
Derivation: RiposteMessage.User

Association Statements
Each tms_rx_eposs_events:
Is related to only one EPOSS Event
Is related to only one EPOSS Logon
Is related to only one EPOSS Logout
Is related to only one EPOSS Logout Authority
Is related to only one EPOSS Security Event
Is related to only one EPOSS EOD
Is related to only one TPS Event Details

4.11 Table tms_rx_eposs_transactions

Parent Category:
TPS Table
Description:
The basic table for EPOSS transactions
Attributes:
amount S9(9)V9(2)
The amount of the transaction
Derivation: EPOSSTransaction.SaleValue

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balance_period 9(2)
The current stock unit balance period
Derivation: BP(EPOSSTransaction.Container)
where BP is an agent function which derives the balance period from the stock unit using the RolloverTrailer

cash_account_period 9(2)
The current stock unit cash account period
Derivation: CAP(EPOSSTransaction.Container)
where CAP is an agent function which derives the CAP from the stock unit using the RolloverTrailer

container X(3)
The current stock unit
Derivation: EPOSSTransaction.Container

counter_position 9(2)
The counter identifier
Derivation: RiposteMessage.Id

end_date date
Date the transaction completed
Derivation: EPOSSTransaction.End(Date+Time)

end_time_fraction 9
The end time fraction of a second
Derivation: EPOSSTransaction.EndTF

entry_method 9(2)
The initial entry method for the transaction
Derivation: EPOSSTransaction.EntryMethod

fallback_mode X
Indicates whether the transaction was entered in fallback mode, Y or N
Derivation: if EPOSSTransaction.Mode=REC then Y else N fi
NB: For APS and EPOSS Mode=REC (bulk input). For OBCS no fallback

group_id 9(6)
The Outlet identifier
Derivation: RiposteMessage.GroupId

org_unit_id 9(10)
The organisational unit identifier for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(GroupId)

org_unit_version_no 9(10)
The organisational unit identifier version number for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(GroupId)

prod_id 9(10)
The product identifier
Derivation: EPOSSTransaction.ProductNo
NB: Padded with leading zeros

quantity 9(7)
The number of product items transacted
Derivation: EPOSSTransaction.Qty

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reversal 9
The type of reversal, existing or new otherwise a normal transaction
Derivation: if EPOSSTransaction.Mode=RV then Reversal=2
If EPOSSTransaction.Mode=ER and EPOSSTransaction.Application=EPOSSAppMain and EPOSSTransaction.CrossReference=not null then Reversal=1
If EPOSSTransaction.Mode=ER and EPOSSTransaction.Application=EPOSSAppMain and EPOSSTransaction.CrossReference=null then Reversal=2

reversal_session_number 9(6)
The original transaction session identifier, the last 6 digits of the num part of the message identifier
Derivation: EPOSSTransaction.CrossReference.SessionId

reversal_su 9(2)
The counter identifier of the original transaction
NB: Changed from stock unit to counter identifier, data type should be 9(2) not X(3) as in TPS Table
Derivation: EPOSSTransaction.CrossReference.Id

reversal_transaction_number 9(4)
Transaction number or transaction being reversed

riposte_num 9(10)
The transaction message number
Derivation: RiposteMessage.Num

session_sequence_number 9(6)
The session sequence number derived from the last 6 digits of the session id message number
Derivation: EPOSSTransaction.SessionId.Num

start_date date
Date the transaction started
Derivation: EPOSSTransaction.Start(Date+Time)

start_time_fraction 9
The start time fraction of a second
Derivation: EPOSSTransaction.StartTF

trading_date date
The current trading date being harvested
Derivation: EODMark.EODDate

transaction_mode_id 9(2)
The mode of the transaction. The EPOSS mode is translated into an item transaction mode, as below:

EPOSS mode	M	Transaction_ mode_id
ER	Serve Customer	1
RV	Serve Customer (reversal)	1
RISD	Remit In - Supplies Division	2

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ROSD	Remit Out - Supplies Division	3
RU	Revaluation - Uprating	4
RD	Revaluation - Downrating	5
	Not used	6
TI	Transfer In - Between Stock Units	7
RIOP	Remit In - Other Offices	8
ROOP	Remit Out- Other Offices	9
RICL	Remit In - Client	10
ROCL	Remit Out - Client	11
RODC	Remit Out - DPC	12
TO	Transfer Out - Between Stock Units	13
REC	Bulk Input	14
HK	Housekeeping	15
SAP	Stock Adjustment - Positive	16
DDP	Declaration Discrepancy - Positive	17
SAN	Stock Adjustment - Negative	18
DDP	Declaration Discrepancy - Negative	19
	Event	20*
	Ordered	21
PT	Parcel Traffic	22
NAD	Non Accounting Data	23
RIAD	Remit In to ADC	24
ROAD	Remit Out to ADC	25

Transaction_mode 20 (Event) is derived by TPS_Host

transaction_mode_version_no 9(10)
Version Number of Item Transaction Mode. Derived from EPOSSTransaction.BlackBoxData.V

transaction_sequence_number 9(4)
The transaction number within session. Derived by TPS Agent so that the first transaction in a session is assigned a sequence of 1 and subsequent transactions increase by 1
Derivation: RiposteMessage.Num-EPOSSTransaction.SessionId.Num+1

user_name X(15)
The username of the clerk
Derivation: RiposteMessage.User

Association Statements
Each tms_rx_eposs_transactions:
Is related to only one EPOSS Transaction
Is related to only one TPS Transaction/Tender Line Details

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Is related to only one TPS MIS Basic Transaction

4.12 Table tms_rx_obcs_statuses

Parent Category:
TPS Table
Description:
The basic table for OBCS book events
Attributes:
counter_position 9(2)
The counter identifier
Derivation: RiposteMessage.Id
end_date date
Date the transaction completed
Derivation: OBCSTransaction.End(Date+Time)
end_time_fraction 9
The end time fraction of a second
Derivation: OBCSTransaction.EndTF
entry_method 9(2)
The initial entry method for the transaction
Derivation: OBCSTransaction.EntryMethod
foreign_enquiry_time 9(8)
The time in microseconds to complete a foreign enquiry on the central OBCS database
Derivation: OBCSTransaction.ForeignEnquiryTime
foreign_enquiry_timeout 9
Indicates whether the foreign enquiry timed out due to ISDN failure, 0=OK, 1=timeout
Derivation: OBCSTransaction.ForeignEnquiryTimeout
group_id 9(6)
The Outlet identifier
Derivation: RiposteMessage.GroupId
iop_id X(15)
The IOP Identifier consists of Customer Reference Number, Additional Book Indicator, OB Serial Number and CPP System Indicator
Derivation: OBCSTransaction.IOPIdent
no_charge X
The no charge indicator, Y/N flag
Derivation: OBCSTransaction.NC
not_foreign X
Indicates whether a foreign encashment took place, Y=local, N=foreign
Derivation: OBCSTransaction.ForeignIndicator
org_unit_id 9(10)
The organisational unit identifier for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(RiposteMessage.GroupId)

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org_unit_version_no 9(10)
The organisational unit identifier version number for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(RiposteMessage.GroupId)

riposte_num 9(10)
The transaction message number
Derivation: RiposteMessage.Num

start_date date
Date the transaction started
Derivation: OBCSTransaction.Start(Date+Time)

start_time_fraction 9
The start time fraction of a second
Derivation: OBCSTransaction.StartTF

trading_date date
The current trading date being harvested
Derivation: EODMark.EODDate

transaction_result 9
The result of the OBCS transaction, ie 1=OK, 2=Impound, 3=Unreadable, 4=Invalid
Derivation: OBCSTransaction.Result

transaction_type 9
The OBCS transaction state, the valid types are (1=Receipt, 2=Redirect, 3=Issue,) 4=Encashment, 5=NoBarcode
NB: TPS Table data type should be 9 not X
Derivation: OBCSTransaction.State

user_name X(15)
The username of the clerk
Derivation: RiposteMessage.User

vouchers 9(2)
The number of vouchers encashed
Derivation: OBCSTransaction.Vouchers

Association Statements
Each tms_rx_obcs_statuses:
Is related to only one TPS MIS OBCS Transaction
Is related to only one TPS Event Details
Is related to only one OBCS Transaction

4.13 Table tms_rx_obcs_transactions

Parent Category:
TPS Table

Description:
The basic table for OBCS transactions

Attributes:

amount S9(9)V9(2)
The amount of the transaction
Derivation: EPOSSTransaction.SaleValue

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balance_period 9(2)
The current stock unit balance period
Derivation: BP(EPOSSTransaction.Container)
where BP is an agent function which derives the balance period from the stock unit using the RolloverTrailer

cash_account_period 9(2)
The current stock unit cash account period
Derivation: CAP(EPOSSTransaction.Container)
where CAP is an agent function which derives the CAP from the stock unit using the RolloverTrailer

container X(3)
The current stock unit
Derivation: EPOSSTransaction.Container

counter_position 9(2)
The counter identifier
Derivation: RiposteMessage.Id

end_date date
Date the transaction completed
Derivation: EPOSSTransaction.End(Date+Time)

end_time_fraction 9
The end time fraction of a second
Derivation: EPOSSTransaction.EndTF

entry_method 9(2)
The initial entry method for the transaction
Derivation: EPOSSTransaction.EntryMethod

fallback_mode X
Indicates whether the transaction was entered in fallback mode, Y or N
Derivation: if EPOSSTransaction.Mode=REC then Y else N fi
NB: For APS and EPOSS Mode=REC (bulk input). For OBCS no fallback

foreign_enquiry_time 9(8)
The time in microseconds to complete a foreign enquiry on the central OBCS database
Derivation: EPOSSTransaction.BlackBoxData.ForeignEnquiryTime

foreign_enquiry_timeout 9
Indicates whether the foreign enquiry timed out due to ISDN failure, 0=OK, 1=timeout
Derivation: EPOSSTransaction.BlackBoxData.ForeignEnquiryTimeout

group_id 9(6)
The Outlet identifier
Derivation: RiposteMessage.GroupId

iop_id X(15)
The IOP Identifier consists of Customer Reference Number, Additional Book Indicator, OB Serial Number and CPP System Indicator
Derivation: EPOSSTransaction.AdditionalData.IOPIdent

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not_foreign X
Indicates whether a foreign encashment took place, Y=local, N=foreign
Derivation: EPOSSTransaction.BlackBoxData.ForeignIndicator

org_unit_id 9(10)
The organisational unit identifier for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(RiposteMessage.GroupId)

org_unit_version_no 9(10)
The organisational unit identifier version number for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(RiposteMessage.GroupId)

prod_id 9(10)
The product identifier
Derivation: EPOSSTransaction.ProductNo
NB: Padded with leading zeros

quantity 9(7)
The number of product items transacted
Derivation: EPOSSTransaction.Qty

reversal 9
The type of reversal, existing or new otherwise a normal transaction
Derivation: if EPOSSTransaction.Mode=RV then Reversal=2
If EPOSSTransaction.Mode=ER and EPOSSTransaction.Application=EPOSSAppMain and EPOSSTransaction.CrossReference=not null then Reversal=1
If EPOSSTransaction.Mode=ER and EPOSSTransaction.Application=EPOSSAppMain and EPOSSTransaction.CrossReference=null then Reversal=2

reversal_session_number 9(6)
The original transaction session identifier, the last 6 digits of the num part of the message identifier
Derivation: EPOSSTransaction.CrossReference.SessionId

reversal_su 9(2)
The counter identifier of the original transaction
NB Changed from stock unit to counter identifier
Derivation: EPOSSTransaction.CrossReference.Id

reversal_transaction_number 9(4)
Transaction number of transaction being reversed

riposte_num 9(10)
The transaction message number
Derivation: RiposteMessage.Num

session_sequence_number 9(6)
The session sequence number derived from the last 6 digits of the session id message number
Derivation: EPOSSTransaction.SessionId.Num

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start_date date
Date the transaction started
Derivation: EPOSSTransaction.Start(Date+Time)

start_time_fraction 9
The start time fraction of a second
Derivation: EPOSSTransaction.StartTF

trading_date date
The current trading date being harvested
Derivation: EODMark.EODDate

transaction_mode_id 9(2)
The mode of the transaction. The EPOSS mode is translated into an item transaction mode, as below:

EPOSS mode	M	Transaction_ mode_id
ER	Serve Customer	1
RV	Serve Customer (reversal)	1
RISD	Remit In - Supplies Division	2
ROSD	Remit Out - Supplies Division	3
RU	Revaluation - Uprating	4
RD	Revaluation - Downrating	5
	Not used	6
TI	Transfer In - Between Stock Units	7
RIOP	Remit In - Other Offices	8
ROOP	Remit Out- Other Offices	9
RICL	Remit In - Client	10
ROCL	Remit Out - Client	11
RODC	Remit Out - DPC	12
TO	Transfer Out - Between Stock Units	13
REC	Bulk Input	14
HK	Housekeeping	15
SAP	Stock Adjustment - Positive	16
DDP	Declaration Discrepancy - Positive	17
SAN	Stock Adjustment - Negative	18
DDP	Declaration Discrepancy - Negative	19
	Event	20*
	Ordered	21
PT	Parcel Traffic	22
NAD	Non Accounting Data	23
RIAD	Remit In to ADC	24
ROAD	Remit Out to ADC	25

Transaction_mode 20 (Event) is derived by TPS_Host

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transaction_mode_version_no 9(10)
Version Number of Item Transaction Mode. Derived from EPOSSTransaction.BlackBoxData.V

transaction_result 9
The result of the OBCS transaction, ie 1=OK, 2=Impound, 3=Unreadable, 4=Invalid
Derivation: EPOSSTransaction.AdditionalData.Result

transaction_sequence_number 9(4)
The transaction number within session. Derived by TPS Agent so that the first transaction in a session is assigned a sequence of 1 and subsequent transactions increase by 1
Derivation: RiposteMessage.Num-EPOSSTransaction.SessionId.Num+1

transaction_type 9
The OBCS transaction state, the valid types are (1=Receipt, 2=Redirect, 3=Issue,) 4=Encashment, 5=NoBarcode
NB: TPS Table data type should be 9 not X
Derivation: EPOSSTransaction.BlackBoxData.State

user_name X(15)
The username of the clerk
Derivation: RiposteMessage.User

vouchers 9(2)
The number of vouchers encashed
Derivation: EPOSSTransaction.AdditionalData.Vouchers

Association Statements
Each tms_rx_obcs_transactions:
Is related to only one EPOSS Transaction
Is related to only one TPS Transaction/Tender Line Details
Is related to only one TPS MIS OBCS Transaction

4.14 Table tms_rx_otx_resend

Parent Category:
TPS Table

Description:
Table for re-cycling transaction files which have been rejected by POCL TIP. If a transaction file contains any errors it is send back as a complete file to Pathway. The clean sub files are loaded into this table and the bad files passed to EDSC for manual correction.

Attributes:

additional_data X(2000)
The additional data associated with APS, OBCS records and reversals.

amount S9(9)V9(2)

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The amount of the transaction
Derivation: Amount in the TPS Transaction/Tender Line Details. The sign is always same as in TPS Transaction/Tender Line Details.

balance_period 9(2)
The current stock unit balance period
Derivation: Stock Unit Balance Period in the TPS Transaction/Tender Line Details

cash_account_day 9(2)
The current stock unit cash account period
Derivation: Cash Account Day Number in the TPS Transaction/Tender Line Details

cash_account_period 9(2)
The current stock unit cash account period
Derivation: Cash Account Week Number in the TPS Transaction/Tender Line Details

container X(3)
The current stock unit
Derivation: Stock Unit Identifier in the TPS Transaction/Tender Line Details

counter_position 9(2)
The counter identifier
Derivation: Till Identifier in the TPS Transaction/Tender Line Details

end_time Date
Date the transaction completed
Derivation: End Time of Transaction in the TPS Transaction/Tender Line Details

end_time_fraction 9
The end time fraction of a second
Derivation: End Time of Transaction in the TPS Transaction/Tender Line Details

entry_method 9(2)
The initial entry method for the transaction
Derivation: Method of Data Capture in the TPS Transaction/Tender Line Details

fallback_mode X
Indicates whether the transaction was entered in fallback mode, Y or N
Derivation: Fall Back Mode Flag in the TPS Transaction/Tender Line Details

org_unit_id 9(10)
The organisational unit identifier for the Outlet
Derivation: Organisational Unit Code in the TPS Transaction/Tender Line Details

org_unit_version_no 9(10)
The organisational unit identifier version number for the Outlet.
Derivation: Version Number of Org Unit in the TPS Transaction/Tender Line Details

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prod_id 9(10)
The product identifier
Derivation: Item Id in the TPS Transaction/Tender Line Details

prod_version_no 9(10)
Version Number of Item Transaction Mode. (Item wrongly named in Designer/2000 for historical reasons!).
Derivation: Version No of Item Transaction Mode in the TPS Transaction/Tender Line Details

quantity 9(7)
The number of product items transacted
Derivation: Quantity in the TPS Transaction/Tender Line Details

record_type X(3)
Identifies the transaction/tender line details record
Derivation: Record Type Identifier in the TPS Transaction/Tender Line Details. (always "OTX")

refund_flag 9
The type of reversal, existing or new otherwise a normal transaction
Derivation: Refund Flag in the TPS Transaction/Tender Line Details

reversal 9
To show if reversals have taken place (0=default, 1=linked reversed txn ie contains reference to reversal txn in additional data, 2=non-linked reversed txn)
Derivation: Reversal Indicator in the TPS Transaction/Tender Line Details

session_sequence_number 9(6)
A sequence number which uniquely identifies a session within an outlet counter
Derivation: Session Sequence Number in the TPS Transaction/Tender Line Details

start_date date
Date the transaction started (ccyymmdd)
Derivation: Date of Transaction in the TPS Transaction/Tender Line Details

start_time Date
The start time
Derivation: Start Time of Transaction in the TPS Transaction/Tender Line Details

start_time_fraction 9
The start time fraction of a second
Derivation: Start Time of Transaction in the TPS Transaction/Tender Line Details

transaction_mode_id 9(2)
The mode of the transaction.
Derivation: Transaction Mode Code in the TPS Transaction/Tender Line Details

transaction_sequence_number 9(4)

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A sequence number which uniquely identifies each transaction within a session. Derivation: Transaction Sequence Number in the TPS Transaction/Tender Line Details

user_name X(15)

The username of the clerk
Derivation: Employee Identifier in the TPS Transaction/Tender Line Details

Association Statements

Each tms_rx_otx_resend:
Is related to only one TPS Transactions/Tender Line Details

4.15 Table tms_rx_stock_holdings

Parent Category:

TPS Table

Description:

The table for stock holding records
Each record is derived from an EPOSS Opening Figures Txn which is an EPOSS Transaction with TranType H? for container ##
NB: It is assumed that there may be multiple records for the same product for the same Outlet

Attributes:

amount S9(12)V9(2)

The amount of the transaction
Derivation: EPOSSOFTransaction.SaleValue

balance_period 9(2)

The current stock unit balance period, not relevant at Outlet level
Derivation: 1, set by agent

cash_account_period 9(2)

The cash account period
Derivation: CAP(RiposteMessage.Date)
where CAP is an agent function which derives the CAP from the date

container X(3)

The current stock unit
Derivation: EPOSSOFTransaction.Container

counter_position 9(2)

The counter identifier
Derivation: RiposteMessage.Id

group_id 9(6)

The Outlet identifier
Derivation: RiposteMessage.GroupId

org_unit_id 9(10)

The organisational unit identifier for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table

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Derivation: TPSOutlets(GroupId)

org_unit_version_no 9(10)
The organisational unit identifier version number for the Outlet, the agent uses the GroupId to derive from the TPS Outlets table
Derivation: TPSOutlets(GroupId)

prod_id 9(10)
The product identifier
Derivation: EPOSSOFTransaction.ProductNo
NB: Padded with leading zeros

product_version_number 9(10)
The product version number
Derivation: EPOSSOFTransaction.PVer

quantity 9(7)
The number of product items transacted
Derivation: EPOSSOFTransaction.Qty

record_date date
The date of the stock holding
Derivation: RiposteMessage.(Date+Time)

riposte_num 9(10)
The transaction message number
Derivation: RiposteMessage.Num

trading_date date
The current trading date being harvested
Derivation: EODMark.EODDate

Association Statements
Each tms_rx_stock_holdings:
Is related to only one TPS Stock Holdings Details
Is related to only one EPOSS OF Transaction

4.16 Table tms_rx_stx_resend

Parent Category:
TPS Table

Description:
Table for re-cycling stock holding records from sub files which have been rejected by POCL TIP. If a transmision file contains any errors it is send back as a complete file to Pathway. Stock Holding details from the clean sub files are loaded into this table and the bad sub files passed to EDSC for manual correction.

Attributes:

amount S9(12)V9(2)
The amount of the transaction
Derivation: Value in the Stock Holding Details

cash_account_period 9(2)
The cash account period

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Derivation: Cash Account Week Number in the Stock Holding Details

org_unit_id 9(10)
The organisational unit identifier for the Outlet
Derivation: Organisational Unit Code in the Stock Holding Details

org_unit_version_no 9(10)
The organisational unit identifier version number for the Outlet
Derivation: Version Number of Org Unit in the Stock Holding Details

prod_id 9(10)
The product identifier
Derivation: Item Id in the Stock Holding Details

product_version_number 9(10)
The product version number
Derivation: Version Number of Item

quantity 9(7)
The number of product items transacted
Derivation: Quantity in the Stock Holding Details

record_date date
The date of the stock holding
Derivation: Holdings Date in the Stock Holding Details

record_type X(3)
Identifies the transaction/tender line details record
Derivation: Record Type Identifier in the Stock Holding Details (always "STX")

Association Statements
Each tms_rx_stx_resend:
Is related to only one TPS Stock Holdings Details

4.17 Table tps_clients

Parent Category:
TPS Table

Description:
Provides a mapping of client code to client organisational unit code. The data is loaded from RDMC at start of TPS host processing

Attributes:

client_code 9(4)
The 4-digit client code

org_unit_id 9(10)
The 10 digit organisational unit code for the client

org_unit_version_no 9(10)
The version number of the organisational unit

Association Statements

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Each tps_clients:
Is related to only one TPS Client Transmission Summary Details
Is related to only one tps_client_summaries

4.18 Table tps_client_summaries

Parent Category:
TPS Table
Description:
The client summaries are derived from the AP transactions (in the TPS transaction stream) by trading day, client, product and product version (except the TPS host does not support product version!)
NB: This is a temporary measure for CSR
Attributes:
client_code 9(4)
The AP Client 4 digit code
Derivation: tms_rx_aps_transactions.client_code
prod_id 9(10)
The AP product identifier
Derivation: tms_rx_aps_transactions.prod_id
product_version_number 9(10)
The product version number
Derivation: 0
NB: Not supported by TPS host in tms_rx_aps_transactions
total_transaction_value 9(12)V9(2)
Total value of transactions per trading day for each individual client product
Derivation: sum(tms_rx_aps_transactions.amount) for tms_rx_aps_transactions.trading_date & tms_rx_aps_transactions.client_code & tms_rx_aps_transactions.prod_id & tms_rx_aps_transactions.pver
NB: pver not supported by TPS host!
total_transaction_volume 9(6)
Total number of transactions per trading day for each individual client product
Derivation: count(tms_rx_aps_transactions.quantity) for tms_rx_aps_transactions.trading_date & tms_rx_aps_transactions.client_code & tms_rx_aps_transactions.prod_id & tms_rx_aps_transactions.pver
NB: pver not supported by TPS host!
trading_date date
The trading date applicable to the client, ie the transaction day (ccyymmdd)
Derivation: tms_rx_aps_transactions.trading_date

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Association Statements

Each tps_client_summaries:
Is related to one or more tms_rx_aps_transactions
Is related to only one tps_clients
Is related to only one TPS Client Transmission Summary Details

4.19 Table tps_outlets

Parent Category:

TPS Table

Description:

The table of Outlets, initialised at the start of TPS host processing from data from RDMC

Attributes:

fad_code X(7)

The full FAD code of the outlet

group_id X(7)

The group identifier for the outlet as used by Riposte

version_number 9(10)

The version number of the organisational unit code

org_unit_id 9(10)

The organisational unit code

end_of_day_indicator X

Indicates whether end of day has been harvested for this outlet, Y/N flag

partition 9(3)

The table partition used in harvesting

automated X

Indicates whether the outlet is automated, Y/N flag

active X

Indicates whether the outlet is active, Y/N flag

4.20 Table tps_outlets_notactive

Parent Category:

TPS Table

Description:

The table used and maintained by TPS Host to determine whether to output empty transaction sub files to POCL TIP. Table populated by data from RDMC

Attributes:

organisation_unit_id 9(10)

The organisation unit for outlet

trading_date

date when unit was not active

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Association Statements

Each tps_outlets_notactive:
Is related to one tps_outlets

4.21 Table tps_outlet_eods

Parent Category:

TPS Table

Description:

The table used and maintained by Agent indicating when outlet was last polled

Attributes:

group_id X(7)

The group identifier for the outlet as used by Riposte

date_of_last_contact date

date last polled

Association Statements

Each tps_outlets_eods:
Is related to one tps_outlets

4.22 Table tps_tt_reversals

Parent Category:

TPS Table

Description:

The reversals table is used to fix up APS reversals.
The reversed_ap_transaction_sequen is used to located the original AP transaction from which the counter_position, session_sequence_number and transaction_sequence_number are obtained

Attributes:

ap_transaction_sequence 9(6)

The APS transaction sequence number of the original transaction
Derivation: EPOSSTransaction.AdditionalData.APSSEQ

counter_position 9(2)

The counter identifier
Derivation: RiposteMessage.Id

group_id 9(6)

The Outlet identifier
Derivation: RiposteMessage.GroupId

session_sequence_number 9(6)

The session sequence number derived from the last 6 digits of the session id message number

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Derivation: EPOSSTransaction.SessionId.Num

transaction_sequence_number 9(4)

The transaction number within session. Derived from the num part of the transaction message by subtracting the num part of the session identifier

NB This originally used the EPOSSTransaction.TxnId but this does not provide unique transaction number because of linked transactions, eg postal order and fee, finish up with the same transaction number which is not what is required by TIP

??? Is this correct ???

Derivation: RiposteMessage.Num-EPOSSTransaction.SessionId.Num+1

Association Statements

Each tms_tt_reversals:

Is related to only one tms_rx_aps_transactions

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5. Interface File to TIP

5.1 Introduction

The file transmitted between Pathway and POCL TIP systems.

The format of the interface is defined in the contract controlled document Pathway to TIP Application Interface Specification [ref 3].

The file contains a header, trailer and a number of sub-files. In any transmission file the sub-files are of the same type.

There are three different types of subfile:

- transactions (there are about 64 of these each night)
- cash account (there is 1 per night)
- client transmission summary (there is 1 per night: although the largest file occurs on Wednesdays when the outlets do their weekly cash accounts).

5.2 General

This section describes the common characteristics of the transmission files.

Each Transmission file has a header and a trailer.

Each Transmission file has one or more sub files: each sub file has a header and a trailer.

5.2.1 TPS Transmission File Header

Description:
The transmission file header
Attributes:
Record Type Identifier X(3)
Identifies theTransmission File Header record
Derivation: ="TFH"
File Type Identifier X(5)
Unique file type identifier
Derivation: ="TMSTX"
Interface Version Identifier 9(10)
A TIP maintained number giving the Interface Version identifier being used by Pathway, fixed value for CSR and CSR+ = 50 until otherwise agreed
Derivation: ex TIP
Transmission Source X(2)
The Pathway system where the files originated, "B_"=Bootle system, "W_"=Wigan system
Transmission Day Number 9(3)

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The day number in the year for which the file was created, 001 to 366. File contains transactions conducted within a specific 24 hour period. Day number in which the period ends

Transmission File Number 9(3)

A Pathway generated transmission file number which helps to uniquely identify each transmission for each day, 001 to 999

Date of File Creation 9(8)

The date at which time the file was created, may be different to completion date if creating overnight (ccyymmdd)
Derivation: date

Time of File Creation 9(6)

Commencement time at which the file was created (hhmmss)
Derivation: time

Transmission Status X(3)

A TIP maintained status which uniquely identifies the status of each transmission, ie "NOR"=normal, "RES"=re-sent

Association Statements

Each TPS Transmission File Header:
Is part of only one TPS Transmission File

5.2.2 TPS Transmission File Trailer

Description:

The transmission file trailer

Attributes:

Record Type Identifier X(3)

Identifies the Transmission File Trailer record
Derivation: ="TFT"

Date of File Completion 9(8)

The date at which time the file was completed, may be different to commencement date if creating overnight (ccyymmdd)
Derivation: date

Completion Time of File Creation 9(6)

The time at which the file was completed (hhmmss)
Derivation: time

Total Number of Sub-Files 9(6)

Total number of sub-files contained within the transmission
Derivation: count(Sub-Files)

Total Value of Sub-File Trailers S9(10)V(2)

Total value of all sub-file trailers contained within the batch
Derivation: sum(SubFileTrailer.TotalAmount)

Association Statements

Each TPS Transmission File Trailer:
Is part of only one TPS Transmission File

5.2.3 TPS Sub-File Header

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Description:

The sub-file header record which identifies the sub-file, source of data, date and time of creation and versions of data contained

Attributes:

Record Type Identifier X(3)

Identifies the sub-file header record
Derivation: ="SFH"

Organisational Unit Code 9(10)

Unique identifier for the organisational unit, ie outlet
Derivation: tms_rx_X.org_unit_id

Version Number of Org Unit 9(10)

The version number of the organisational unit
Derivation: tms_rx_X.org_unit_version_no

Sub-File Type Identifier X(5)

Unique sub-file type identifier:

- OTRAN for Transaction / Tender Line Details
- CASHS for Cash Account / Stock Holding Details
- CLSSF for Client Summary

Sub-File Sequence Number 9(5)

A Pathway generated sequence number to uniquely identify each sub-file, starts at 1 and increments for each sub-file in the transmission
Derivation: set by TPS host

Date of Sub-File Creation 9(8)

The date at which time the sub-file was created, may be different to completion date if creating overnight (ccyymmdd)
Derivation: date

Time of Sub-File Creation 9(6)

Commencement time at which the sub-file was created (hhmmss)
Derivation: time

Association Statements

Each TPS Sub-File Header:
Is part of only one TPS Transactions Sub file
Is part of only one TPS Client Summary Sub file
Is part of only one TPS Cash Account Sub file

5.2.4 TPS Sub-File Trailer

Description:

The sub-file trailer which identifies the sub-file record and provides a check of the total number and the amount of the transaction lines

Attributes:

Record Type Identifier X(3)

Identifies the sub-file trailer record
Derivation: ="SFT"

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Organisational Unit Code 9(10)
Unique identifier for the organisational unit, ie outlet
Derivation: tms_rx_X.org_unit_id

Version Number of Org Unit 9(10)
The version number of the organisational unit
Derivation: tms_rx_X.org_unit_version_no

Date of Sub-File Completion 9(8)
The date at which time the sub-file was completed, may be different to commencement date if creating overnight (ccyymmdd)
Derivation: date

Completion Time of Sub-File Creation 9(6)
The time at which the sub-file was completed (hhmmss)
Derivation: time

Total Number of Records 9(6)
Total number of all records in the sub-file file, excluding header and trailer records
Derivation: count(xxx)
NB: For Transaction/Tender Line, xxx= tms_rx_aps_transactions,tms_rx_eposs_transactions, tms_rx_eposs_events, tms_rx_obcs_transactions, tms_rx_obcs_statuses.
For Cash Account, xxx = tms_rx_cash_accounts & tms_rx_stock_holdings
For Client Summaries, xxx = tms_rx_aps_transactions

Total Amount S9(10)V9(2)
Total value of amount field in detail lines
Derivation: sum(xxx.amount)
NB: For Transaction/Tender Line, xxx= tms_rx_aps_transactions,tms_rx_eposs_transactions, tms_rx_obcs_transactions
For Cash Account, xxx = tms_rx_cash_accounts
For Client Summaries, xxx = tms_rx_aps_transactions

Association Statements
Each TPS Sub-File Trailer:
Is part of only one TPS Transactions Sub file
Is part of only one TPS Client Summary Sub file
Is part of only one TPS Cash Account Sub file

5.3 TPS Transactions Sub file

5.3.1 Description

The outlet transactions sub file contains all the outstanding transactions for an outlet. The transactions are ordered by date and

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time. The sub file contains a sub file header record (see section 5.2.3), a sub file trailer record (see section 5.2.4), and sub file details records.

5.3.2 TPS Transaction/Tender Line Details

Details of the transaction or tender line recorded in a TIP OTX record. These are the basic details of an EPOSS transaction, additional data are provided for APS, EPOSS and OBCS transactions, and for reversal transactions.

All fields are derived via TPS tms_rx_X tables, where

X=eposs_transactions for EPOSS transactions

aps_transactions for APS transactions

obcs_transactions for OBCS transactions

The mappings for events are described under TPS Event Details (see section 5.3.7.

Attributes:

Record Type Identifier X(3)
Identifies the transaction/tender line details record
Derivation: ="OTX"

Organisational Unit Code 9(10)
Unique identifier for the organisational unit, ie outlet
Derivation: tms_rx_X_transactions.org_unit_id

Version Number of Org Unit 9(10)
The version number of the organisational unit
Derivation: tms_rx_X_transactions.org_unit_version_no

Stock Unit Identifier X(3)
Unique identifier to distinguish between all stock units within the outlet, also includes back office stock units
Derivation: tms_rx_X_transactions.container

Session Sequence Number 9(6)
A sequence number which uniquely identifies a session within an outlet counter
Derivation: tms_rx_X_transactions.session_sequence_number

Transaction Sequence Number 9(4)
A sequence number which uniquely identifies each transaction within a session
Derivation:
tms_rx_X_transactions.transaction_sequence_number

Till Identifier 9(2)
Unique identifier of the terminal/till at the counter, also includes back office terminals/tills
Derivation: tms_rx_X_transactions.counter_position

Employee Identifier X(15)
Identifier of the employee carrying out the transaction
Derivation: tms_rx_X_transactions.user_name
NB: Restricted to 6 characters so space filled on right

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Date of Transaction 9(8)
The date to which the transaction refers (ccyymmdd)
Derivation: tms_rx_X_transactions.end_date

Start Time of Transaction 9(7)
The time to the nearest 1/10th second at which the transaction commenced (hhmmsss)
Derivation: tms_rx_X_transactions.start(date[time]+time_fraction)

End Time of Transaction 9(7)
The time to the nearest 1/10th second at which the transaction completed (hhmmsss)
Derivation: tms_rx_X_transactions.end_(date[time]+time_fraction)

Cash Account Week Number 9(3)
Cash account week number, derived from markers in the corresponding stock unit
Derivation: tms_rx_X_transactions.cash_account_period
NB Derived by Agent

Cash Account Day Number 9(2)
The day in relation to the cash account week on which the transaction took place
Derivation: zero, not supported at CSR or CSR+

Stock Unit Balance Period 9(2)
Stock unit balance period number, derived from markers in the corresponding stock unit
Derivation: tms_rx_X_transactions.balance_period
NB Derived by Agent

Method of Data Capture 9(2)
How each transaction is captured at the point of sale, 0=barcode, 1=keyboard/screen (manual), 2=magcard, 3=smartcard, 4=smartkey, 5=scales
Derivation: tms_rx_X_transactions.entry_method

Reversal Indicator 9
To show if reversals have taken place (0=default, 1=linked reversed txn ie contains reference to reversal txn in additional data, 2=non-linked reversed txn)
Derivation: tms_rx_X_transactions.reversal

Refund Flag X
To show when refunds have been provided ("Y"=refund, "N"=normal)
Derivation: N, not supported in CSR or CSR+

Fall Back Mode Flag X
To show when transactions have been keyed after the event, ie in fallback mode, "Y"=fallback mode, "N"=normal
Derivation: tms_rx_X_transactions.fallback_mode

Item Id 9(10)
A unique item that specifies a product/stock item/tender
Derivation: tms_rx_X_transactions.prod_id

Version No of Item Transaction Mode 9(10)

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Version number held for the item transaction mode code
Derivation: not supported in CSR.
Item is supported at CSR+. Null values will be permitted as outlets migrate to CSR+. There may be rare instances where counter may not be able to populate

Transaction Mode Code 9(10)

Identifies the generic type of transaction, eg Rem In, Rem Out, Adjustment
Derivation: tms_rx_X_transactions.transaction_mode_id

Amount S9(7)V9(2)

Amount for each transaction either to or from the customer. Normally positive with accounting sense defined by item and transaction mode. Payments, Receipts, Stock Sales, Reversals and Refunds will usually be shown as positive. Can be negative for tender items with can change sign flag set to "Y". Can be zero for some items
Derivation: tms_rx_X_transactions.amount
Note: All amounts are unsigned (positive) apart from the product "cash" (the only "can change sign" product). If the accounting sense can be determined from the transaction mode, eg Rem in, then cash is positive else for cash the sign on the amount is reversed, EPOSS positive becomes TIP negative and EPOSS negative becomes TIP positive

Quantity 9(5)

Total volume for each item, cannot be negative, Defaults to 1
Derivation: tms_rx_X_transactions.quantity

Association Statements

Each TPS Transaction/Tender Line Details:
Is part of only one TPS Transactions Sub file
Is related to only one tms_rx_eposs_transactions
Is related to only one tms_rx_aps_transactions
Is related to only one tms_rx_obcs_transactions

5.3.3 Additional Details for Reversals

Additional fields in the reversed transaction to identify the linked reversed transaction. Only present for Existing Reversals (EPOSSTransaction.Mode=ER). New Reversals do not have these additional items.

Attributes:

Reversed Till Identifier 9(2)

Till identifier of the reversed transaction
Derivation: tms_rx_X_transactions.reversal.su
NB This used to be the stock unit but now contains the counter identifier

Reversed Session Number 9(6)

Session number of the reversed transaction

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Derivation: tms_rx_X_transactions.reversal_session_number

Reversed Transaction Number 9(4)

Transaction number of the reversed transaction

Derivation:
tms_rx_X_transactions.reversal_transaction_number

Association Statements

Each TPS Additional Details for Reversals:
Inherits from TPS Transaction/Tender Line Details

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5.3.4 Additional Data for OBCS Benefit Payment

Parent Category:
TIP Output
Description:
Order Book foil encashment transaction line additional data
Attributes:
Transaction Record Type 9
Indicates the type of transaction (1=Receipt, 2=Redirect, 3=Handover, 4=Encashment, 5=Non-barcode)
Derivation: tms_rx_obcs_transactions.transaction_type
Transaction Result 9
Identifies the result of the transaction, 1=OK, 2=Impound, 3=Unreadable, 4=Invalid
Derivation: tms_rx_obcs_transactions.transaction_result
Parent Office A
Signifies whether the customer is collecting benefit from one of their designated offices, Y/N flag
Derivation: tms_rx_obcs_transactions.not_foreign

Association Statements
Each TPS OBCS Payment:
Inherits from TPS Transaction/Tender Line Details

5.3.5 Additional Data for Automated Payment

Additional fields in the OTX record for APS transaction line information.

Attributes:
[Public]
Token Identifier 9(10)
The token identifier
Derivation: tms_rx_aps_transactions.token_identifier
[Private]
Version Number 9(10)
Version number of the token
Derivation:
tms_rx_aps_transactions.token_type_version_number
Customer Ref Number X(20)
Identifier relevant to the customer
Derivation: tms_rx_aps_transactions.customer_reference

Association Statements
Each TPS Automated Product:
Inherits from TPS Transaction/Tender Line Details

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5.3.6 Additional Data for OBCS Benefit Book

Additional fields in the OTX record for Order Book management transaction information.

Attributes:

Code 9
Indicates the type of transaction, (1=Receipt, 2=Redirect, 3=Handover, 4=Encashment failed Unreadable/Invalid, 5=NoBarcode)
Derivation: tms_rx_obcs_statuses.transaction_type

Code Result 9
Identifies the result of the transaction, 1=OK, 2=Impound, 3=Unreadable, 4=Invalid
Derivation: tms_rx_obcs_statuses.transaction_result

Association Statements
Each TPS Benefit Book:
Inherits from TPS Transaction/Tender Line Details
Inherits from TPS Event Details

5.3.7 Event Details

The TIP transaction record for events has the same format as the basic TIP OTX record. Derivations for OBCS book events, and EPOSS events and have zero or null fields where corresponding transaction information is not available. The derivations refer to the tables tms_rx_X, where:

X=obcs_statuses, Benefit Books

eposs_events, EPOSS Events

change_npos, Change Post Office

Attributes:

Record Type Identifier X(3)
Identifies the transaction/tender line details record
Derivation: ="OTX"

Organisational Unit Code 9(10)
Unique identifier for the organisational unit, ie outlet
Derivation: tms_rx_X.org_unit_id

Version Number of Org Unit 9(10)
The version number of the organisational unit
Derivation: tms_rx_X.org_unit_version_no

Stock Unit Identifier X(3)
Unique identifier to distinguish between all stock units within the outlet, also includes back office stock units
Derivation: null

Session Sequence Number 9(6)
A sequence number which uniquely identifies a session within an outlet counter

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Derivation: null

Transaction Sequence Number 9(4)
A sequence number which uniquely identifies each transaction within a session
Derivation: null

Till Identifier 9(2)
Unique identifier of the terminal/till at the counter, also includes back office terminals/tills
Derivation: tms_rx_X.counter_position

Employee Identifier X(15)
Identifier of employee carrying out the transaction
Derivation: tms_rx_X.user_name
NB: Restricted to 6 characters so space filled on right

Date of Transaction 9(8)
The date to which the transaction refers (ccyymmdd). The date is derived from the date+time value
Derivation: tms_rx_X.Y_date[date]
where:
Y=event, Benefit Cards
end, Benefit Books
transaction, EPOSS Events
transaction, Change Post Office

Start Time of Transaction 9(7)
The time to the nearest 1/10th second at which the transaction commenced (hhmmsss)
Derivation: null

End Time of Transaction 9(7)
The time to the nearest second at which the transaction completed (hhmmsss). The time is derived from the date+time value
Derivation: tms_rx_X.Y_date[time]
where:
Y=event, Benefit Cards
end, Benefit Books
transaction, EPOSS Events
transaction, Change Post Office

Cash Account Week Number 9(3)
Cash account week number, derived from markers in the corresponding stock unit
Derivation: null apart from selected EPOSS events then tms_rx_eposs_events.cash_account_period
NB Derived by Agent

Cash Account Day Number 9(2)
The day in relation to the cash account week on which the transaction took place
Derivation: zero, not supported at CSR or CSR+

Stock Unit Balance Period 9(2)
Stock unit balance period number, derived from markers in the corresponding stock unit

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Derivation: null apart from selected EPOSS events then tms_rx_eposs_events.balance_period
NB Derived by Agent

Method of Data Capture 9(2)
How each transaction is captured at the point of sale, 0=barcode, 1=keyboard/screen (manual), 2=magcard, 3=smartcard, 4=smartkey
Derivation: null

Reversal Indicator 9
To show if reversals have taken place (0=default, 1=linked reversed txn ie contains reference to reversal txn in additional data, 2=non-linked reversed txn)
Derivation: null

Refund Flag X
To show when refunds have been provided ("Y"=refund, "N"=normal)
Derivation: null

Fall Back Mode Flag X
To show when transactions have been keyed after the event, ie in fallback mode, "Y"=fallback mode, "N"=normal
Derivation: null

Item Id 9(10)
A unique item that specifies a product/stock item/tender
Derivation: Z, where:
Z=913, Benefit Books
tms_rx_eposs_events.event_id, EPOSS Events

Version No of Item Transaction Mode 9(10)
Version number held for the item transaction mode code
Derivation: null

Transaction Mode Code 9(10)
Normally identifies the generic type of transaction, eg Rem In, Rem Out, Adjustment, but set to 20 to identify an event transaction
Derivation: 20

Amount S9(7)V9(2)
Amount for each transaction either to or from the customer. Normally positive with accounting sense defined by item and transaction mode. Payments, Receipts, Stock Sales, Reversals and Refunds will usually be shown as positive. Can be negative for tender items with can change sign flag set to "Y". Can be zero for some items
Derivation: null

Quantity 9(5)
Total volume for each item, cannot be negative, Defaults to 1
Derivation: null

Association Statements
Each TPS Event Details:
Is related to only one tms_rx_obcs_statuses
Is related to only one tms_rx_change_npos

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Is related to only one tms_rx_eposs_events
Is part of only one TPS Transactions Sub file

5.3.8 Additional Data for EPOSS Events

EPOSS events are recorded as Transaction Line records with Transaction Mode Code=20 - Event

Additional fields are added to the end of the record according to event type, eg CreateStockUnit has fields StockUnit and StockUnitType

Attributes:

Stock Unit X(3)
The new/delete stock unit
Derivation: tms_rx_eposs_events.changed_container

Stock Unit Type X
The stock unit type, Individual or Shared
Derivation: tms_rx_eposs_events.changed_status

User X(15)
The new/delete/modify user
Derivation: tms_rx_eposs_events.changed_user

User System Detail X(7)
The new/delete/modify user details
Derivation: not used at CSR or CSR+

Association Statements
Each TPS EPOSS Event:
Inherits from TPS Transaction/Tender Line Details
Inherits from TPS Event Details

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5.4 TPS Cash Account Sub file

5.4.1 Description

The cash account is a sub file containing the electronic version of the Cash Account produced at an outlet upon weekly completion. It includes separately identifiable stock holdings at outlet level for each stock item

5.4.2 TPS Cash Account Details

Parent Category:
TIP Output
Description:
The cash account details for a completed cash account week. Records are sequenced in ascending line number
Attributes:
Record Type Identifier X(3)
Identifies the cash account details record
Derivation: ="CAC"
Organisational Unit Code 9(10)
Unique identifier for the organisational unit, ie the outlet
Derivation: tms_rx_cash_accounts.org_unit_id
Version Number of Org Unit 9(10)
The version number of the organisational unit
Derivation: tms_rx_cash_accounts.org_unit_version_number
Cash Account Week Number 9(3)
The cash account week number, derived from markers in the outlet stock unit (##)
Derivation: tms_rx_cash_accounts.cash_account_period
Cash Account Line Number X(4)
A unique number which identifies each cash account line number, eg 0008 for telephone receipts (note leading zeros are not suppressed). Quantity and value always have separate account lines
Derivation: tms_rx_cash_accounts.line_number
Amount S9(10)V9(2)
The amount for this cash account line; amount for quantities has digits after the decimal point
Derivation: tms_rx_cash_accounts.amount

Association Statements
Each TPS Cash Account Details:
Is part of only one TPS Cash Account Sub file
Is related to only one tms_rx_cash_accounts

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5.4.3 TPS Stock Holdings Details

Parent Category:

TIP Output

Description:

The stock holdings details for an outlet for a completed cash account week.

The stock holding records from the tms_rx_stock_holdings table for each product for each stock unit need to be added together to form the stock holding for the outlet

Attributes:

Record Type Identifier X(3)

Identifies the outlet stock holdings details record

Derivation: ="STX"

Organisational Unit Code 9(10)

Unique identifier for the organisational unit, ie outlet

Derivation: tms_rx_stock_holdings.org_unit_id

Version Number of Org Unit 9(10)

The version number of the organisational unit

Derivation: tms_rx_stock_holdings.org_unit_version_number

Cash Account Week Number 9(3)

The cash account week number linking cash to actual date, derived from the date and not the outlet stock unit (##)

Derivation: tms_rx_stock_holdings.cash_account_period

Item Id 9(10)

The stock item identifier

Derivation: tms_rx_stock_holdings.prod_id

Version Number of Item 9(10)

Version number held for the stock item at the point the weekly outlet stock take occurs

Derivation: tms_rx_stock_holdings.product_version_number

NB Not obvious this provides any useful purpose as the version number may have changed during the week!!!

Holdings Date 9(8)

The date to which the holdings refer (ccyymmdd)

Derivation: tms_rx_stock_holdings.record_date

Quantity 9(7)

The quantity on hand for each stock item

Derivation: for each product
sum(tms_rx_stock_holdings.quantity)

Value 9(10)V9(2)

The value on hand for each stock item

Derivation: for each product
sum(tms_rx_stock_holdings.amount)

Association Statements

Each TPS Stock Holdings Details:
Is part of only one TPS Cash Account Subfile
Is related to only one tms_rx_stock_holdings

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5.5 TPS Client Summary Sub file

5.5.1 Description

The client transmission summary is a sub file containing client AP product transaction summary information. It contains summary details by client for each client product.

For CSR it contains a summary of AP transaction sent to TIP for Pathway outlets only.

For CSR+ it contains a summary of AP transactions sent to AP Clients who have migrated from HAPS to Pathway: it includes data collected by Pathway from automated offices and data collected by HAPS from non automated offices.

The sub file contains:

- one or more TPS Client Transmission Summary Details
- one TPS Sub-File Header
- one TPS Sub-File Trailer

5.5.2 TPS Client Transmission Summary Details

Client summary details contains summary information that has been sent to the Client for each client AP product.

Attributes:

Record Type Identifier X(3)
Identifies the client transmission summary details record
Derivation: ="CLT"

Client Identifier Code 9(10)
Unique identifier for the client
Derivation: current value as defined in Reference Data
(At CSR this is captured from tps_clients.org_unit_id
NB: The Client Identifier Code and Version Number of Client Identifier are derived from the client_code by tps_clients table look-up which converts a 4 digit CID into a 10 digit Client Identifier Code and 10 digit Version Number of Client Identifier
At CSR+ the data item is captured by APS Host)

Version Number of Client Identifier 9(10)
The version number of the client identifier
Derivation: current value as defined in Reference Data
(At CSR this is captured from tps_clients.org_unit_version_no
NB: The Client Identifier Code and Version Number of Client Identifier are derived from the client_code by tps_clients table

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look-up which converts a 4 digit CID into a 10 digit Client Identifier Code and 10 digit Version Number of Client Identifier.
At CSR+ the data item is captured by APS Host)

Item Id 9(10)

The unique identifier that specifies the AP product applicable to the Client
Derivation: at CSR it is derived from tps_client_summaries.prod_id
At CSR+ it is derived by APS Host

Version Number of Item 9(10)

Version number held for the item code
Derivation: current value as defined in Reference Data

Client Trading Date 9(8)

The trading date applicable to the Client, ie the transaction day (ccyymmdd)
Derivation: at CSR it is derived from tps_client_summaries.trading_date
At CSR+ it is derived by APS Host

Total Number of Transactions 9(6)

Total number of transactions per trading day for each individual client product
Derivation: at CSR it is derived from count(tms_rx_aps_transactions.quantity) for tms_rx_aps_transactions.client_code & tms_rx_aps_transactions.prod_id & tms_rx_aps_transactions.pver
At CSR+ it is derived by APS Host

Total Value of Transactions S9(10)V9(2)

Total value of transactions per trading day for each individual client product
Derivation: at CSR it is derived from sum(tms_rx_aps_transactions.amount) for tms_rx_aps_transactions.client_code & tms_rx_aps_transactions.prod_id & tms_rx_aps_transactions.pver:
At CSR+ it is derived by APS Host

Association Statements

Each TPS Client Transmission Summary Details:
Is part of only one TPS Client Summary Subfile
Is related to only one tps_clients
Is related to only one tps_client_summaries

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6. Interface File to Data Warehouse

6.1 Introduction

The file transmitted between Pathway and the Data Warehouse.

The format of the interface is defined in the MIS Release CSR+: TPS EPID [ref 4].

There are different types of transmission file:

- TPS MIS Basic Txns Files
- TPS MIS OBCS Txns Files
- TPS MIS Miscellaneous File
- TPS MIS File Control File
- TPS MIS Summary File
- TPS TIP File Delivery File
- TPS MIS Lock File

6.2 General

This section describes the common characteristics of the transmission files.

6.3 TPS MIS Basic Transactions File

6.3.1 Description

The transactions file contains all the APS and EPOSS transaction records for an integral number of Post Office outlets. The records are ordered by outlet only

NB the actual ordering may be the same as for TIP

6.3.2 MIS Basic Transaction Record

The MIS transaction record for APS and EPOSS transactions. Information is derived from the tms_rx_aps_transactions and tms_rx_eposs_transactions tables.

Attributes:

Customer Session Id X(18)

Unique customer session identifier formed from the GroupId, Id and Num separated by hyphens

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Derivation: tms_rx_X_transactions.session_sequence_number
NB: Is this just 6 digits of the num part of the SessionId padded to 18 characters, or is the message identifier reconstituted, if so, how?

Transaction_No
Transaction identifier within customer session
Derivation: tms_rx_X_transactions.transaction_sequence_number
NB: Is this just 4 digits of the num part of the TxnId padded to 18 characters, or is the message identifier reconstituted, if so, how?

Post Office Counter Id 9(2)
The number of the Post Office counter position
Derivation: tms_rx_X_transactions.counter_position

Post Office Id 9(10)
Post Office code (organisation code, not FAD code)
Derivation: tms_rx_X_transactions.org_unit_id

FAD code X(7)
The FAD code
Derivation: tms_rx_X_transactions.group_id
NB: Is an extra space added?

Transaction Start Time X(20)
Date and time the transaction started, format (DD-MON-YYYY hh:mm:ss)
Derivation: tms_rx_X_transactions.start_date

Ttransaction Start Time Fractional 9
The fractional remainder of the start time to the nearest 1/10th second
Derivation: tms_rx_X_transactions.start_time_fraction

Transaction Stop Time X(20)
The time the transaction completed, format (DD-MON-YYYY hh:mm:ss)
Derivation: tms_rx_X_transactions.end_date

Transaction Stop Time Fractional 9
The fractional remainder of the end time to the nearest 1/10th second
Derivation: tms_rx_X_transactions.end_time_fraction

Transaction Value S9(10)V9(2)
The total value of the transaction
Derivation: tms_rx_X_transactions.amount

Number of Items 9(5)
Number of items transacted
Derivation: tms_rx_X_transactions.quantity

Product Code 9(10)
The product or service code of the item
Derivation: tms_rx_X_transactions.prod_id
NB: Leading zeros added

Service Code X

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The type of application service (A=APS, E=EPOSS, O=OBCS, etc)
Derivation: if tms_rx_aps_transactions then A else tms_rx_eposs_transactions then E fi

Fallback Mode X
The transaction mode, eg bulk input, recovery, etc
Derivation: tms_rx_X_transactions.fallback_mode

Print Time 9(8)
The duration of printing activity in microseconds
Derivation: zero, not supported in CSR or CSR+

Print Failure Flag A
A flag to indicate that the associated print failed, Y/N flag
Derivation: space, not supported in CSR or CSR+

Input Dev Lead Time 9(8)
The time in microseconds from data (token) entry to first screen of the transaction for this token
Derivation: 0, not supported at CSR or CSR+

Entry Method 9(2)
The method of data capture, 0=barcode, 1=manual, 2=magcard, 3=smart
Derivation: tms_rx_X_transactions.entry_method

Electronic Scales X
Flag to indicate whether an electronic scales was used within the EPOSS transaction. Values are Y and N
Derivation: If tms_rx_X_transactions.entry_method=5 then Y else N fi

Reversal Indicator X
Flag to indicate whether the transaction is Non-reversed (0), Linked Reversal (1) or Unlinked Reversal (2)
Derivation: tms_rx_X_transactions.reversal

Association Statements
Each TPS MIS Basic Transaction:
Is part of only one TPS MIS Basic Txns File
Is related to only one tms_rx_eposs_transactions
Is related to only one tms_rx_aps_transactions

6.4 TPS MIS OBCS Transactions File

6.4.1 Description

The MIS OBCS transactions file contains all the OBCS transaction records for an integral number of Post Office outlets. The records are ordered by outlet only.

NB the actual ordering may be the same as for TIP

The file contains one record type.

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Each TPS MIS OBCS Transaction File is part of the TPS MIS Transmission Files

6.4.2 TPS MIS OBCS Transaction Record

The MIS transaction record for OBCS transactions OBCS transactions (MIS Service Type Code=O) are derived from the OBCS EPOSS Transaction via the tms_rx_obcs_transactions table

OBCS book events (MIS Service Type Code=P) are derived from the OBCS Transaction via the tms_rx_obcs_statuses table, where the MIS Product Code is set to OBCSTransaction.State to indicate the type of book event. Other fields are set to zero or space if no corresponding attribute is present

NB:use of tms_rx_obcs_X where X=transactions for service type=O and X=statuses for service type=P

Attributes:

Customer Session Id X(18)
Unique customer session identifier formed from the GroupId, Id and Num sepaated by hyphens
Derivation: O:
tms_rx_obcs_transactions.session_sequence_number
P: space
NB: Is this just 6 digits of the num part of the SessionId padded to 18 characters, or is the message identifier reconstituted, if so, how?

Txn_id X(18)
Transaction identifier within customer session
Derivation: O:
tms_rx_obcs_transactions.transaction_sequence_number
P: space
NB: Is this just 4 digits of the num part of the TxnId padded to 18 characters, or is the message identifier reconstituted, if so, how?

Post Office Counter Id 9(2)
The number of the Post Office counter position
Derivation: tms_rx_obcs_X.counter_position

Post Office Id 9(10)
Post Office code (organisation code, not FAD code)
Derivation: tms_rx_obcs_X.org_unit_id

FAD code X(7)
The FAD code
Derivation: tms_rx_obcs_X.group_id
NB: Padded with space???

Txn Start Time X(20)
Date and time the transaction started, format (DD-MON-YYYY hh:mm:ss)

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Derivation: tms_rx_obcs_X.start_date

Txn Start Time Frac Sec 9
The fractional remainder of the start time to the nearest 1/10th second
Derivation: tms_rx_obcs_X.start_time_fraction

Txn Stop Time X(20)
The time the transaction completed, format (DD-MON-YYYY hh:mm:ss)
Derivation: tms_rx_obcs_X.end_date

Txn End Time Frac Sec 9
The fractional remainder of the end time to the nearest 1/10th second
Derivation: tms_rx_obcs_X.end_time_fraction

Txn Value S9(10)V9(2)
The total value of the transaction
Derivation: O: tms_rx_obcs_transactions.amount
P: 0

Number of Items 9(5)
Number of items transacted
Derivation: tms_rx_obcs_X.vouchers

POCL Product Code 9(10)
The product or service code of the item
Derivation: O: tms_rx_obcs_transactions.prod_id
P: tms_rx_obcs_statuses.transaction_type
NB Product Code is used to pass the book event type

Service Type Code X
The type of application service (O=OBCS transaction, P=OBCS book event)
Derivation: O: O
P: P

Retrospective Input X
The transaction mode, eg bulk input, recovery, etc
Derivation: O: tms_rx_obcs_transactions.fallback_mode
P: space

Enquiry Time 9(8)
Duration of enquiry for foreign transactions in microseconds, measured from the enquiry call to when the call returns
Derivation: tms_rx_obcs_X.foreign_enquiry_time

ISDN Failure Flag X
A flag to indicate that the associated ISDN connection failed, Y/N flag
Derivation: tms_rx_obcs_X.foreign_enquiry_timeout

Input Device Lead Time 9(8)
The time in microseconds from data (token) entry to first screen of first transaction for this token, 0 for second and subsequent transactions
Derivation: 0, not supported at CSR or CSR+

Entry Method X

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The method of data capture, 0=barcode, 1=manual, 2=magcard, 3=smart
Derivation: tms_rx_obcs_X.entry_method

Foreign Indicator X
Indicates whether a foreign post office was used, Y/N flag
Derivation: tms_rx_obcs_X.not_foreign

Bar Code Number X(15)
The barcode data
Derivation: tms_rx_obcs_X.iop_id

Impound Indicator X
Indicates whether the book was impounded, Y/N flag
Derivation: if tms_rx_obcs_X.transaction_result=2 then Y else N fi

Association Statements
Each TPS MIS OBCS Transaction:
Is part of only one TPS MIS OBCS Txns File
Is related to only one tms_rx_obcs_transactions
Is related to only one tms_rx_obcs_statuses

6.5 MIS Miscellaneous File

6.5.1 Description

The MIS Miscellaneous file contains

The file contains one record type.

6.5.2 TPS MIS Miscellaneous

Description:
Miscellaneous data

Attributes:

Ta 9(10)
The number of records available for transfer from TPS to TIP at 03:00. This is the figure from the previous day since delivery to the data warehouse is made at 00:30
Derivation: count(TIPRecord)

Association Statements
Each TPS MIS Miscellaneous:
Is part of only one TPS MIS Miscellaneous File

6.6 TPS MIS File Control File

6.6.1 Description

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The file control file contains information about the files delivered as part of the extract

Association Statements

Each TPS MIS File Control File:
Is made up of only one TPS MIS File Details
Is part of only one TPS MIS Transmission Files

6.6.2 TPS MIS File Details

Description:

Provides details of the files transferred to MIS

Attributes:

Number of Files

The number of data files in this extraction
Derivation:
sum(transactions+payments+miscellaneous+po+control+lock)

Comment

A comment describing the extract, format(COMMENT:text of comment)

Source

The number of records in each file type, format(SOURCE:typ:rrrr)
Derivation:

Target

The target system, format(TARGET:DW)
Derivation:

Date Delivered

The date the extract was delivered (?) to MIS, format(DELIVDATE:DD-MON-YYYY hh:mm:ss)
Derivation:

Date Posted

The date on which the transactions and payments were harvested, format(POSTDATE:DD-MON-YYYY hh:mm:ss)
Derivation:

Number of Extracts

The number of previous daily extracts being delivered in this transmission, set to 0 if this is the normal single extract, format(NUMEXTRACTS:n)
Derivation:

Other Extracts

A list of all the posting dates of previous extracts separated by colons, format(OTHEREXTRACTS:DD-MON-YYYY)
Derivation:

File Names

The names of the files and the number of records in each file plus hash code, format(FILE:yymmddnn.typ:rrrr:hhhh)
Derivation:

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Association Statements

Each TPS MIS File Details:
Is part of only one TPS MIS File Control File

6.7 TPS MIS Summary File

6.7.1 Description

Description:

A summary control file giving details of the transmission so far. A summary control file is sent after every 10 transaction files or after the 2 miscellaneous and TIP delivery files. A summary file is followed by a lock file

Attributes:

None

Association Statements

Each TPS MIS Summary File:
Is made up of one or more TPS MIS Summary File Details
Is part of only one TPS MIS Transmission Files

6.7.2 TPS MIS Summary File Details

Description:

Identifies summary control information for each file transferred

Attributes:

File Name X(8)

The name of the file

Record Count 9(5)

The number of records in the file

Association Statements

Each TPS MIS Summary File Details:
Is part of only one TPS MIS Summary File

6.8 MIS Lock File

6.8.1 Description

The lock file which is used to mark the delivery of logical units of transmitted data. The presence of the lock file indicates the existence of the summary file and the data files.

The lock file is a file of size zero bytes

Association Statements

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Each TPS MIS Lock File:
Is part of only one TPS MIS Transmission Files

6.9 TPS TIP File Delivery File

6.9.1 Description

Description:
A file of TIP SLA data pertaining to the delivery of TIP files to TIP
Attributes:
None

Association Statements
Each TPS TIP File Delivery File:
Is part of one or more TPS TIP File Delivery Data
Is part of only one TPS MIS Transmission Files

6.9.2 TPS TIP File Delivery Data

Description:
For each file delivered to TIP a delivery record is created
Attributes:
File_id X(12)
The identifier of the delivered file
Derivation: ex TPS Host
Source X(4)
The name of the source system delivering the file
Derivation: TPS
Dest X(4)
The name of the destination system
Derivation: TIP
D_date X(20)
The data and time of successful delivery to the client
Derivation: ex TPS Host
C_date X(11)
The creation date for the file containing the transactions
Derivation: ex TPS Host
Num_recs 9(8)
The number of records in the file
Derivation: ex TPS Host

Association Statements
Each TPS TIP File Delivery Data:
Is part of only one TPS TIP File Delivery File

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