FUJITSU

End to End Reconciliation Reporting
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Document Title:	End to End Reconciliation Reporting
Document Type:	Service Description
Release:	Release Independent
Abstract:	This document specifies the reconciliation report output to satisfy the end to end reconciliation of the Banking and related services, Automated Payment System (APS) and Transaction Processing System (TPS).
Document Status:	Approved
Author & Dept:	Pete Jobson
External Distribution:	As Approver list
Security Risk Assessment Confirmed	YES, security risks have been assessed, see section 0.9 for details.

Approval Authorities:

Name	Role	Signature	Date
Stephen Godfrey	Fujitsu Service Owner; Reconciliation Service	See Dimensions for record	
Dionne Harvey	Post Office Ltd IT Contracts Manager	See Dimensions for record	

Note: See Post Office Account HNG-X Reviewers/Approvers Role Matrix (PGM/DCM/ION/0001) for guidance.

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0.2 Document History

Version No.	Date	Summary of Changes and Reason for Issue	Associated Change - CP/PEAK/PPRR Reference
0.1	22/11/06	First draft for review.	N/A
1.0	02/02/07	Issued for approval.	N/A
1.1	27/10/08	Change of owner and Reviewers for CCN	
1.2	07/05/11	Post HNG-X Migration and change of owner	N/A
1.3	22-Jun-2011	Revisions following internal review	
2.0	22 Jun 11	Document Approved	
2.1	23 Nov 11	Release 5.5 Review	
3.0	4 May 12	Annual Review	
3.1	18 March 2013	Annual Review	
3.2	14th Oct 2016	Clarifications added	
4.0	04-Sep-2017	Approval version [replaces CS/SPE/011]	

0.3 Review Details

Review Comments by :	
Review Comments to :	pete.jobson GRO POADocumentManagement GRO

Mandatory Review	
Role	**Name**
POL IT Contracts Manager	Dionne Harvey
Atos Reviewer	Gary Blackburn
Senior Commercial Manager	Carol Dunford; Post Office Account Commercial Mailbox
SSC (for Configuration Management)	Steve Parker; sscdm GRO
Operational Change/Release Management	Alan Flack
Service Architect	Phil Boardman

Optional Review	
Role	**Name**
Commercial Manager	Krishna Topan
Security Architect	Dave Haywood; Darren Gaile
Application Development Manager	Graham Allen
Business Continuity	Almizan Khan
Network Operations Manager	Roger Stearn; Chris Harrison
Systems Mgt & Global Cloud	Catherine Obeng
Infrastructure Operations Manager	Andrew Hemingway
Senior Operations Manager	Alex Kemp
Quality and Compliance	Bill Membery
Application Lead SDM, Risk and Service Introduction	Yannis Symvoulidis
CISO	Stephen.Godfrey GRO
Document Manager	Matthew Lenton

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POA BAS Lead	Steve Bansal
Management Information Service	Mark L Jones
Issued for Information – Please restrict this distribution list to a minimum	
Position/Role	Name

(*) = Reviewers that returned comments

0.4 Associated Documents (Internal & External)

Reference	Version	Date	Title	Source
PGM/DCM/TEM/0001 (DO NOT REMOVE)			Fujitsu Services Post Office Account HNG-X Document Template	Dimensions
SVM/SDM/PRO/0012			Reconciliation and Incident Management - Joint Working Document	Dimensions
SVM/SDM/SD/0015			Reconciliation Service Description	Dimensions
NB/SPE/002			Network Banking DRS On-line Workstation Specification	Dimensions (PWY)

Unless a specific version is referred to above, reference should be made to the current approved versions of the documents.

0.5 Abbreviations

Abbreviation	Definition
APS	Automated Payment Service
C12	A transaction record from the Horizon Counter or Self-Serve Kiosk
C112	A transaction record from the Horizon Counter or Self-Serve Kiosk that has been delivered to POLSAP
C4	A record of confirmation from a Financial Institution
CTS	Client Transmission Summary
D	A transaction record received from a Financial Institution that advises of a discrepancy
DCP	Debit/Credit Card Payment
DCS	Debit/Credit Card System
DRS	Data Reconciliation Service
ETS	Electronic Top-Up Service
F99	A transaction state that indicates that a reconciliation error has been reported but POL has advised that the issue has subsequently been resolved. This state is set using the DRS Workstation application that is used by Fujitsu Security Operations team.
FI	Financial Institutions
ICC	Integrated Circuit Card
MA	Merchant Acquirer
PIN	Personal Identification Number
PODG	Post Office Data Gateway
POLDG	Post Office Limited Data Gateway – This is a platform that sits outside the Horizon system that is accessible by POL back office staff. PODG has a number of routes that deliver data files to and from this platform.

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POLSAP	Post Office Ltd. Consolidated SAP System
S	A transaction record that is generated by the Debit Card Management server that advises DRS when the expected Settlement date is.
TIP	An identifier that is printed on some of the reconciliation reports. The meaning of this identifier is described in the descriptive text that immediately follows the report layout definition later in this document
TMS	Transaction Management Service
TPS	Transaction Processing Service

0.6 Glossary

Term	Definition
Bank_Transaction_Id	Message sequence number assigned by the message originator, to assist in identifying a transaction uniquely. Stays unchanged through the life of the transaction.
C4 Settlement Date	The Settlement Date provided on the C4 transaction.
Credence	Post Office Ltd. Management Information Service
Exception Types	Within all reports the 'Exceptions' category will include: • 'Incomplete States', i.e. those transactions where one or more transaction component is missing – a C4 without a C12 etc • Genuine exceptions where transaction components belonging to the same high level transaction are of different value, e.g. C12 (amount) not = to C4 (amount). Transaction corruptions
HNG-X_Txn_Num	Unique transaction number to be used in all messages between HNG-X and the FIs relating to the transaction. Generated by HNG-X and provided in the request message initiating the transaction.
'New' Transactions	Transactions that have had a change of state since they were last reported, or have never been reported except in NB102 section 6. Note that if a transaction appears in NB102 section 6 it is future dated as is reported in that section for information only. Once future dated transactions become current dated, they must be reported as though they have not appeared on the reports before.
'Old' Transactions	Transactions that have NOT had a change of state since they were last reported.
POLSAP Transactions	From a Branch / Post Office Ltd. perspective, a transaction that has been sent from TPS to Post Office Ltd. POLSAP. From a system perspective, a 'C112' transaction.
POLSAP	Post Office Ltd Consolidated SAP System
Receipt Date	Receipt Date is the Date as printed on the transaction Receipt at the Counter. It forms part of all transactions.
Receipt Time	Receipt Time is the Time as printed on the transaction Receipt at the Counter. It forms part of all transactions.
Reconciliation Date	The Reconciliation Date is the date attributed to a transaction to allow Post Office Ltd. to reconcile. It will be set the first available Bank Settlement date from the transaction elements (C112, C12, C4, S & D) that make up a Network Banking transaction. If no Bank Settlement date is available, the Reconciliation Date will be set to the processing date that the Data Reconciliation Service first recorded any element of the transaction being received. If a Settlement date subsequently becomes available, the first available Bank Settlement date will replace the processing date. However, once a transaction has been accounted for on the reconciliation reports, the Reconciliation Date will never change.
Routing Gateway	Identifies a system, where the authorisation for a specific transaction should be sought.
Run Date	This is the System Processing Date for which the report refers, i.e. all transaction components processed by the DRS on System Processing Date dd/mm/yyyy are

	accounted for on this report.
Settlement Date	Settlement Date is often the same as Run Date but some Financial Institutions may assign a Settlement Date in the future: e.g. the following Monday may be set on transactions processed on the preceding Friday, Saturday and Sunday.
Txn_Type	See Appendix A - Transaction Types

0.7 Changes Expected

Changes

0.8 Copyright

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0.9 Security Risk Assessment

Security risks have been assessed and it is considered that there are no security risks relating specifically to this document.

1 Introduction

This document has been compiled to specify Fujitsu Services outputs from the Data Reconciliation Service (DRS) Automated Payment Service (APS) and the Transaction Processing Service (TPS) so as to enable a generic end to end reconciliation of

1. Banking and Related Services transactions, which includes DCS and ETS
2. Automated Payment System (APS)
3. Transaction Processing System (TPS)

2 Scope

This document defines the format and content of all reconciliation reports for HNG-X, which satisfies the DRS, APS and TPS reconciliation requirement. It does not attempt to define within the operating systems how the transactions are processed.

This document does not attempt to define the business processes undertaken within Fujitsu Services and Post Office Ltd. with respect to the resolution of any exceptions which may arise, nor does it scope the requirement for any systems that may be required to assist in this process.   This information can be found in the associated documents, reference:-

- SVM/SDM/PRO/0012: Reconciliation and Incident Management - Joint Working Document

3 Network Banking Reconciliation Reports Specified

For Network banking services each of the Post Office Ltd. Clients, as dictated by Routing Gateway, will require a separate reconciliation report set.

Within this report set, separate reports will be provided as per the following table:-

Report Number	Deposit Transactions	Withdrawal Transactions
NB101	Combined Report	
NB102	Combined Report	

NB000 is a combined report for all Routing Gateways.

The format and content of each Client's report is considered to be identical when allowing for these specific requirements. It should therefore be understood that the specifications documented here are applicable to each Client report set (specific Client requirements outside of this reporting specification are not covered within this document).

There must be a separate set of reports to provide for transactions for which the Routing Gateway and/or Transaction Type is not known.

Non-Financial transactions such as Balance Enquiries and PIN changes are explicitly excluded from the report set as 'Not Required by Post Office Ltd.'

No report will mix currency, so if ever the transactions selected to appear on a set of reports are not of a single currency, then a separate set of reports will be produced for each currency. All the amounts in a single transaction will always use the same currency

- NB000:   DRS Summary

- NB101:   Network Banking Settlement Statement
- NB102:   Exception Summary

Rows and columns are described in detail, together with the mathematical calculations required to achieve reconciliation.

All general aspects relating to the production and transmission of the reports are described.

NB: It should be noted that where a system 'State' definition is quoted, this takes precedence over any narrative which has only been provided to help understand the business processes.

3.1   General Banking and Related Services Report Specifications

A separate set of reports is produced for each Post Office Ltd. Client as identified by the Routing Gateway (VocaLink being a single Client). The specification is general to all reports sets.

1. For volumes and values the accounting sense for reporting purposes to allow settlement totals to be correctly derived, will be:

   - Absolute volume
   - Net value
   - Where no value reported show "0.00"
   - Where no volume reported show 0
   - -ve values will be shown in parenthesis e.g. (nnn.nn)

2. Each report will show the following general information:

   - Report title – including the Client name (derived from Routing Gateway.)
   - Transaction Type – (if applicable)
   - Report 'Run Date' - i.e., the period for which the report refers
   - Production date and time
   - Fujitsu Services report number
   - Fujitsu Services reference

3. Where 'Received' and 'Reconciliation Date' are quoted against time parameters:

   - 'Received = New': defines transactions that have had a change of state since they were last reported, or have never been reported, except in NB102 section 6
   - 'Received = Old': defines transactions that have NOT had a change of state since they were last reported

4. Reports: NB000, NB101 and NB102 will be produced **DAILY**. They will be delivered by 08.00hrs the day following the Run Date to:

   - Post Office Ltd. Delivered by PODG to POLDG.
   - Fujitsu Services CS, DRS Workstation. A copy of all the reconciliation files is gathered onto the SSC server and extracted via the RDT version of PODG to be delivered automatically to the Security Operations group mailbox

5. Within report NB 102 the 'Exceptions' category will include:
   - 'Incomplete States', i.e. those transactions where one or more transaction component is missing – a C4 without a C12 etc
   - Genuine exceptions where transaction components belonging to the same high level transaction have been exceptioned, e.g. C12 (amount) not = to C4 (amount).
   - Transaction corruptions

6. For clarity within this document, field sizes are shown within 'Report Layout' and not within the 'Data Definition'

7. All reports are run against a consistent data set.

8. All reports will be produced as ASCII text files – one for each report. The report layout will be fixed format with space characters providing the blank space. This will allow for 'Excel' input, using fixed field width facilities. The formatting (lines and shading referred to in this document) will not be included within the file. Every line will have the character 'newline', Hex '0A', as the last character. Each report will have the text "End of Report" as the last line.

9. See also comments in Section 2: 'Scope'

3.2 NB000: Summary Report

This report summarises all reconciliation reports produced by the DRS. It also summarises all reports that were not produced by the DRS because there was no data to report.

3.2.1 NB000: Rules

1. Reports are listed by application type, Routing Gateway, and report number.

2. Where a report is produced, the filename will be shown.

3. Where for a routing gateway, there is some data to report, but for a specific report there is no data, then the filename will be replaced by [NO DATA].

Where for a routing gateway there is no data at all, the application type cannot be shown and the file name will be replaced by [NIL RETURN].

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3.2.1.1   NB000: Report Layout

NB000: DRS Summary Report	Client: All	Produced on: dd/mm/yyyy at hh:hh:ss
Run Date: dd/mm/yyyy	**Transaction Type**: All	

Application Type	Routing Gateway Number	Routing Gateway Name	Report Number	Report Section	Filename
APP	9999999999	30 character name	NB999	99	appyyyymmddggggggggggNBnnnsstttcur.TXT

End of Report

3.2.1.2   NB000: Data Definition

NB000: DRS Summary Report		Client: All			Produced on: (Date / Time of report production)
Run Date: (The period for which the report refers)		Transaction Type: All			

Application Type	Routing Gateway Number	Routing Gateway Name	Report Number	Report Section	Filename
Application Type (e.g. NBS or DCP). Will be "-" where no application type is known. Repeated for each application type.	Routing Gateway number. Will be "-" for reports NB102 sections 6 and 12 as there are single reports for all routing gateways. Repeated for each routing gateway within application type	Routing Gateway name. Will be "ALL CLIENTS" for reports NB102 sections 6 and 12 as there are single reports for all routing gateways. Shown against each routing gateway number	Shows each report number for each routing gateway	Shows each report section for each report number	Where there is data for a report the filename will be shown: appyyyymmddggggggggggNBnnnsstttcur.TXT, where • app is a 3 character application code (e.g. Banking and Related Services or DCP) • yyyymmdd is the report run date • gggggggggg is the routing gateway number. For reports NB102 Sections 6 and 12 use '0000000ALL' • NBnnnss is the report number and section • *ttt is the transaction group. For NB101, and NB102, this will be 'ALL'.* • cur is the currency e.g. GBP Where for a routing gateway, there is some data to report, but for a specific report there is no data, then show [NO DATA]. Where for a routing gateway there is no data at all (the application type is "-") show [NIL RETURN].

End of Report

3.2.2   NB101: Network Banking Settlement Statement

This report identifies 'C4' transactions received against each 'C4 Settlement Date' as reported to the DRS for the most recent processing date. The report will be used by Post Office Ltd. as a basis for settlement of Network Banking transactions with the Financial Institutions (FIs).

3.2.3   NB101: Rules

1. NB101 is run daily
2. NB101 is repeated for each Routing Gateway
3. NB101 will show 'C4' transactions received for ONE day only – breaking these down into individual 'C4 Settlement Dates' There will be one line for each 'C4 Settlement Date'
4. NB101 will show Deposit and Withdrawal transactions in separate columns, (headed 'Receipts' and 'Payments' respectively) derived from 'Txn_Type'
5. NB101 will show a final settlement column derived in the following way:
    *   Volume: Volume of Deposits plus Volume of Withdrawals
    *   Value: Value of Deposits minus Value of Withdrawals
    *   Where the net total is negative i.e. the Value of Withdrawals exceeds the Value of Deposits, the total will be shown as (xxx.xx)
6. Where the volume for a given 'C4 Settlement Date' is nil, the date will not be reported.
7. 'C4 Settlement Dates' are shown in reverse chronological order.
8. Where there is more than one institution with the same Routing Gateway, the values for the institutions will be shown individually provided the transaction volume for that institution is greater than zero.

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3.2.3.1   NB101: Report Layout

NB 101: Network Banking Settlement Statement	Client: LINK	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	Transaction Type: Deposit & Withdrawal	Currency: GBP

	Receipts		Payments		Net Settlement		Institution Name
C4 Settlement Date	**Volume**	**Value**	**Volume**	**Value**	**Volume**	**Value**	
dd/mm/yyyy	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	X(40)
dd/mm/yyyy	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	X(40)
Sub Total	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	
dd/mm/yyyy	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	X(40)
dd/mm/yyyy	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	X(40)
Sub Total	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	99,999,999	9,999,999,999.99	
TOTAL	**999,999,999**	**9,999,999,999.99**	**999,999,999**	**9,999,999,999.99**	**999,999,999**	**9,999,999,999.99**	

End of Report

3.2.3.2   NB101: Data Definition

NB 101: Network Banking Settlement Statement	Client: (Derived from 'Routing Gateway')	Produced on: (Date / Time of report production)
Run Date: (The period for which the report refers)	**Transaction Type:** Deposit & Withdrawal	**Currency:** (Derived from 'currency')

	Receipts		Payments		Net Settlement		Institution Name
C4 Settlement Date	**Volume**	**Value**	**Volume**	**Value**	**Volume**	**Value**	
Date 1	No. of C4 Deposits Rec'd	Value of C4 Deposits Rec'd	No. of C4 Withdrawals Rec'd	Value of C4 Withdrawals Rec'd	No. of C4 Deposits Rec'd + No of C4 Withdrawals Rec'd	Value of C4 Deposits Rec'd – Value of C4 Withdrawals Rec'd	Institution within Routing Gateway
Date 1	No. of C4 Deposits Rec'd	Value of C4 Deposits Rec'd	No. of C4 Withdrawals Rec'd	Value of C4 Withdrawals Rec'd	No. of C4 Deposits Rec'd + No of C4 Withdrawals Rec'd	Value of C4 Deposits Rec'd – Value of C4 Withdrawals Rec'd	Institution within Routing Gateway Repeat Date 1 for each Institution with non zero volume.
Sub Total	Total for Date 1	Total for Date 1	Total for Date 1	Total for Date 1	Total for Date 1	Total for Date 1	
Repeat Date and Sub Total rows for each date that there is data to report.							
TOTAL	Total All Dates	Total All Dates	Total All Dates	Total All Dates	Total All Dates	Total All Dates	

End of Report

3.3 NB102: Exception Summary

This report is divided into twelve sections:

- Section 1: All Uncleared Confirmed, Unconfirmed & POLSAP exceptions
- Section 2: Uncleared Exceptioned Client Transactions
- Section 3: Uncleared Corruptions
- Section 4: Uncleared Timing Differences
- Section 5: Uncleared Confirmed, Unconfirmed & POLSAP exceptions >24 hours
- Section 6: Uncleared Future Dated Transactions by Client
- Section 7: All Cleared Confirmed, Unconfirmed & POLSAP exceptions
- Section 8: Cleared Exceptioned Client Transactions
- Section 9: Cleared Corruptions
- Section 10: Cleared Timing Differences
- Section 11: Cleared Confirmed, Unconfirmed & POLSAP exceptions >24 hours
- Section 12: Cleared Future Dated Transactions by Client

Liability issues are not covered within this document, nor are the business processes involved in the resolution of any exception.

3.3.1 NB102: Rules

1. NB102 is run daily
2. NB102 is repeated for each Routing Gateway.
3. For each report section, the column 'Values' will be partitioned into 8 sub columns to contain the values for: 'C12', 'S', 'C4', 'C112' & the four values from a 'D' which are: Amount Requested, Amount Authorised, Amount Confirmed, Amount Discrepancy. The reports will populate all values that are available.
4. For reporting purposes, within NB102 sections 2, 3, 4, 5, 8, 9, 10 & 11, the column headed 'CAP' will be blank.
5. For reporting purposes within NB102 sections 2, 3, 4, 5, 8, 9, 10, 11, the column headed 'Discrepancy Type' will report the 'D' discrepancy type.
Where no 'D' transaction element has been received, the 'Discrepancy Type' will be blank

6. Where an exception is set to F99 by Fujitsu Services , clearance of this exception within the appropriate NB102 section, (e.g. section 2 exceptions shown as cleared within section 8), will always refer to the <u>previously reported</u> state regardless of any change of state which may have occurred within the DRS.
7. All Uncleared Confirmed, Unconfirmed & POLSAP exceptions are reported as summary totals by exception type - (NB102 section 1)
8. Uncleared Exceptioned Client Transactions are listed individually - (NB102 section 2)
9. Uncleared Transaction corruptions exceptions are listed individually - (NB102 section 3)
10. Uncleared Timing Differences are listed individually – (NB102 section 4)
11. Uncleared Confirmed, Unconfirmed & POLSAP exceptions >24 hours are listed individually – (NB102 section 5)
12. Uncleared Future Dated Transactions are reported as summary totals by Client identified by Routing Gateway – (NB102 Section 6)

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13. All Cleared Confirmed, Unconfirmed & POLSAP exceptions are reported as summary totals by exception type - (NB102 section 7)
14. Cleared Exceptioned Client Transactions are listed individually – (NB102 section 8)
15. Cleared Transaction corruptions are listed individually – (NB102 section 9)
16. Cleared Timing differences are listed individually – (NB102 section 10)
17. Cleared Confirmed, Unconfirmed & POLSAP exceptions >24 hours are listed individually – (NB102 section 11)
18. Cleared Future Dated Transactions are reported as summary totals by Client identified by Routing Gateway – (NB102 Section 12)
19. Within each section, exception summary totals / individual transactions are to be grouped and sub totalled by reconciliation date with a total provided for the entire section.
20. For reporting purposes:
    - Timing Differences: relate to differences in the reconciliation date / settlement date allocated where a settlement date on a transaction element is not the same as the reconciliation date first reported on that transaction.
    - Future Dated Transactions: relate to those transactions that have a Reconciliation Date ahead of the Run Date of the report. For example, most Clients will settle Friday, Saturday and Sunday transactions on the following Monday. This means that each transaction completed on these days will have a Reconciliation Date ahead of the Run Date of the report. These transactions are expected to clear naturally once the Reconciliation Date and the Run Date are in sync, however in the rare eventuality that a Reconciliation Date is considerably ahead of the Run Date, Post Office Ltd. may wish to clear the exception manually. In this case, Fujitsu Services will set the transaction to 'F99'.
21. For reporting purposes, within NB102 sections 2, 3, 4, 5, 8, 9, 10 and 11 the column headed 'Transaction Type' will be populated by the Txn Type codes as defined in Appendix A - Transaction Types
22. For Banking and Related Services reconciliation reporting, System States 8, 9, 10, 11, 16, 17, 18, 19, 20, 21, 22, 23, E05, E06, E07, E14, E22, E24, E31, E32, E33, E38 are never expected within report NB102 because 'S' transactions are not used in NB.

3.3.1.1 NB102: Section 1: All Uncleared Confirmed, Unconfirmed & POLSAP exceptions

3.3.1.2 NB102: Section 1 - Report Layout

NB102 Section 1: All Uncleared Confirmed, Unconfirmed & POL FS exceptions	Client: LINK	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	Transaction Type: Deposit & Withdrawal	Currency: GBP

Exception Type	Reconciliation Date	Volume	Values (8 sub columns)
State 1 etc	dd/mm/yyyy	99999999	9999999999.99
State 2 etc	dd/mm/yyyy	99999999	9999999999.99
Sub total		999999999	9999999999.99
State E02 etc	dd/mm/yyyy	99999999	9999999999.99
Sub total		999999999	9999999999.99

Total Section 1		9999999999	9999999999.99

End of Report

3.3.1.2.1 NB102: Section 1 - Data Definition

NB102 Section 1: All Uncleared Confirmed, Unconfirmed & POL FS exceptions	Client: (Derived from Routing Gateway.)	Produced on: (Date and time of report production)
Run Date: (The period for which the report refers)	Transaction Type: Deposit & Withdrawal	Currency: (Derived from 'currency')

Exception Type / Reconciliation Date	Volume	Values (8 sub columns) Value of each transaction component
One row for each system state where exceptions are being reported grouped within reconciliation date with a sub total for each reconciliation date and a grand total for the section. Where no data is being reported against an exception state, the row for that exception state is to be suppressed. Where dates are shown for the same exception type, list in descending order	**System State**: 1-2, 4-11, 16-18, E01-02 E04-06, E10-12, E14, E20-24, E32, E34 -E36, E38 Received = New + Old Reconciliation date: < = Run Date	

End of Report

3.3.1.3 NB102: Section 2: Uncleared Exceptioned Client Transactions

3.3.1.3.1 NB102: Section 2 – Report Layout

NB102 Section 2: Uncleared Exceptioned Client Transactions	Client: LINK	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	Transaction Type: Deposit & Withdrawal	Currency: GBP

Exception Type	Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
E13	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
E13	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
State 12	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
E13	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 2									9999999999.99

End of Report

3.3.1.3.2   NB102: Section 2 – Data Definition

NB102 Section 2: Uncleared Exceptioned Client Transactions	Client: (Derived from Routing Gateway.)	Produced on: (Date and time of production)
Run Date: (The period for which the report refers)	Transaction Type: Deposit & Withdrawal	Currency: (Derived from 'currency')

Exception Type / Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
One row for each exception, with specific system states listed in order, grouped within reconciliation date with a sub total for each reconciliation date and a grand total for the section. Where dates are shown for the same exception type, list in descending order.	Horizon_Txn_Num	Txn_Type	Bank_Transaction_Id	Receipt_Transaction_Date	Receipt_Transaction_Time		Discrepancy_Reason_Codes	Value of each transaction component
	System State: 12-15, 20-23, E03, E07 – E09, E13, E25 – E26, E33, E37 Received = New + Old Reconciliation date: < = Run Date							

End of Report

3.3.1.4   NB102: Section 3: Uncleared Corruptions

3.3.1.4.1   NB102: Section 3 – Report Layout

NB102 Section 3: Uncleared Corruption's	Client: LINK	Produced on: dd/mm/yyyy at hh:mm:ss	
Run Date: dd/mm/yyyy	Transaction Type: Deposit & Withdrawal	Currency: GBP	

Exception Type	Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8(8 sub columns)
E28	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
E29	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
E31	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
E31	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 3									9999999999.99

End of Report

End to End Reconciliation Reporting
FUJITSU RESTRICTED (COMMERCIAL IN CONFIDENCE)

3.3.1.4.2   NB102: Section 3 – Data Definition

NB102 Section 3: Uncleared corruption's	Client: (Derived from Routing Gateway.)	Produced on: (Date and time of production)
Run Date: (The period for which the report refers)	**Transaction Type:** Deposit & Withdrawal	**Currency:** (Derived from 'currency')

Exception Type / Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
One row for each corruption, with specific system states listed in order, grouped within reconciliation date with a sub total for each reconciliation date and a grand total for the section. Where dates are shown for the same exception type, list in descending order.	Horizon_Txn_Num	Txn_Type	Bank_Transaction_Id	Receipt_Transaction_Date	Receipt_Transaction_Time		Discrepancy_Reason_Codes	Value of each transaction component
	System State: E27 –31 Received = New + Old Reconciliation date: < = Run Date							

End of Report

3.3.1.5   NB102: Section 4: Uncleared Timing Differences

3.3.1.5.1   NB102: Section 4 - Report Layout

NB102 Section 4: Uncleared Timing Differences	Client: LINK	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	Transaction Type: Deposit & Withdrawal	Currency: GBP

Exception Type	Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 4									9999999999.99

End of Report

NB102: Section 4 – Data Definition

NB102 Section 4: Uncleared Timing Differences	Client: (Derived from Routing Gateway.)	Produced on: (Date and time of production)
Run Date: (The period for which the report refers)	Transaction Type: Deposit & Withdrawal	Currency: (Derived from 'currency')

Exception Type / Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
One row for each timing difference, grouped within reconciliation date with a sub total for each reconciliation date and a grand total for the section. Where dates are shown for the same exception type, list in descending order.	Horizon_Txn_Num	Txn_Type	Bank_Transaction_Id	Receipt_Transaction_Date	Receipt_Transaction_Time		Discrepancy_Reason_Codes	Value of each transaction component
	System State: E39 Received = New + Old Reconciliation date: < = Run Date							

End of Report

3.3.1.6 NB102: Section 5: Uncleared Confirmed, Unconfirmed & POLSAP exceptions >24 hours

3.3.1.6.1 NB102: Section 5 – Report Layout

NB102 Section 5: Uncleared Confirmed, Unconfirmed & POL FS exceptions >24 hours	Client: LINK	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	Transaction Type: Deposit & Withdrawal	Currency: GBP

Exception Type	Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
State 1	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
State 2	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
State 6	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
State 6	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 5									9999999999.99

End of Report

End to End Reconciliation Reporting
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3.3.1.6.2   NB102: Section 5 – Data Definition

NB102 Section 5: Uncleared Confirmed, Unconfirmed & POL FS exceptions >24 hours	Client: (Derived from Routing Gateway.)	Produced on: (Date and time of production)
Run Date: (The period for which the report refers)	**Transaction Type:** Deposit & Withdrawal	**Currency:** (Derived from 'currency')

Exception Type / Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
One row for each exception, with specific system states listed in order, grouped within reconciliation date with a sub total for each reconciliation date and a grand total for the section. Note: an extra constraint for system states 2 & 18 is that the Branch must have harvested (TPS) successfully. Should a Branch be confirmed as non-polling, **system states 2 & 18** for that Branch on the date(s) in question should not be included on this report. Where dates are shown for the same exception type, list in descending order.	Horizon_Txn_Num	Txn_Type	Bank_Transaction_Id	Receipt_Transaction_Date	Receipt_Transaction_Time		Discrepancy_Reason_Codes	Value of each transaction component

System State: 1, 2, 4-11, 16-18, E01-02 E04-06, E10-12, E14, E20-24, E32, E34 -E36, E38
Received = Old
Reconciliation date: < Run Date
(i.e. where transaction components have remained in the above incomplete states for >24 hours)

End of Report

3.3.1.7   NB102: Section 6: Uncleared Future Dated Transactions by Client

3.3.1.7.1   NB102: Section 6 - Report Layout

NB102 Section 6: Uncleared Future Dated Transactions by Client	All Clients	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	**Transaction Type:** Deposit & Withdrawal	**Currency:** GBP

Client	Reconciliation Date	Volume	Values (8 sub columns)
LINK	dd/mm/yyyy	99999999	9999999999.99
Lloyds	dd/mm/yyyy	99999999	9999999999.99
Total Section 11		9999999999	9999999999.99

End of Report

3.3.1.7.2   NB102: Section 6 - Data Definition

NB102 Section 6: Uncleared Future Dated Transactions by Client	All Clients	Produced on: (Date and time of report production)
Run Date: (The period for which the report refers)	**Transaction Type:** Deposit & Withdrawal	**Currency:** (Derived from 'currency')

Client / Reconciliation Date	Volume		Values (8 sub columns)
One row for each Client derived from Routing Gateway where transactions have been received with a reconciliation date ahead of the run date. Where dates are shown for the same exception type, list in descending order.	**System State**: All States excluding F99 Reconciliation date: > Run Date		

End of Report

3.3.1.8   NB102: Section 7: All Cleared Confirmed, Unconfirmed & POLSAP exceptions

3.3.1.8.1   NB102: Section 7 – Report Layout

NB102 Section 7: All Cleared Confirmed, Unconfirmed & POL FS exceptions	Client: LINK	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	Transaction Type: Deposit & Withdrawal	Currency: GBP

Exception Type	Reconciliation Date	Volume	Values (8 sub columns)
State 1 etc	dd/mm/yyyy	99999999	9999999999.99
State 2 etc	dd/mm/yyyy	99999999	9999999999.99
Sub total		999999999	9999999999.99
State E02 etc	dd/mm/yyyy	99999999	9999999999.99
Sub total		999999999	9999999999.99
Total Section 1		9999999999	9999999999.99

End of Report

3.3.1.8.2   NB102: Section 7 - Data Definition

NB102 Section 7: All Cleared Confirmed, Unconfirmed & POL FS exceptions	Client: (Derived from Routing Gateway.)	Produced on: (Date and time of report production)
Run Date: (The period for which the report refers)	Transaction Type: Deposit & Withdrawal	Currency: (Derived from 'currency')

Exception Type / Reconciliation Date	Volume	Values (8 sub columns) Value of each transaction component
One row for each system state where exceptions are being reported grouped within reconciliation date with a sub total for each reconciliation date and a grand total for the section. Where no data is being reported against an exception state, the row for that exception state is to be suppressed. Where dates are shown for the same exception type, list in descending order.	For last reported System States: 1-2, 4-11, 16-18, E01-02, E04-06, E10-12, E14, E20-24, E32, E34 -36, E38 Set to F99: New Reconciliation date: < = Run Date	

End of Report

FUJITSU

End to End Reconciliation Reporting
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POST OFFICE

3.3.1.9   NB102: Section 8: Cleared Exceptioned Client Transactions

3.3.1.9.1   NB102: Section 8 – Report Layout

NB102 Section 8: Cleared Exceptioned Client Transactions	Client: LINK	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	Transaction Type: Deposit & Withdrawal	Currency: GBP

Exception Type	Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
E13	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
E13	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
State 12	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
E13	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 8									9999999999.99

End of Report

3.3.1.9.2 NB102: Section 8 – Data Definition

NB102 Section 8: Cleared Exceptioned Client Transactions	Client: (Derived from Routing Gateway.)	Produced on: (Date and time of production)
Run Date: (The period for which the report refers)	Transaction Type: Deposit & Withdrawal	Currency: (Derived from 'currency')

Exception Type / Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
One row for each exception, with specific system states listed in order, grouped within reconciliation date with a sub total for each reconciliation date and a grand total for the section. Where dates are shown for the same exception type, list in descending order.	Horizon_Txn_ Num	Txn_Type	Bank_Transacti on_Id	Receipt_Transa ction_Date	Receipt_Transa ction_Time		Discrepancy_R eason_Codes	Value of each transaction component
	For last reported System States: 12-15, 20-23, E03, E07 – E09, E13, E25 – E26, E33, E37 Set to F99: New Reconciliation date: < = Run Date							

End of Report

End to End Reconciliation Reporting
FUJITSU RESTRICTED (COMMERCIAL IN CONFIDENCE)

3.3.1.10   NB102: Section 9: Cleared Corruptions

3.3.1.10.1   NB102: Section 9 – Report Layout

NB102 Section 9: Cleared Corruption's	Client: LINK	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	Transaction Type: Deposit & Withdrawal	Currency: GBP

Exception Type	Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
E28	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
E29	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
State 31	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
E31	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 9									9999999999.99

End of Report

3.3.1.10.2   NB102: Section 9 – Data Definition

NB102 Section 9: Cleared corruption's	Client: (Derived from Routing Gateway.)	Produced on: (Date and time of production)
Run Date: (The period for which the report refers)	Transaction Type: Deposit & Withdrawal	Currency: (Derived from 'currency')

Exception Type / Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
One row for each corruption, with specific system states listed in order, grouped within reconciliation date with a sub total for each reconciliation date and a grand total for the section. Where dates are shown for the same exception type, list in descending order.	Horizon_Txn_Num	Txn_Type	Bank_Transaction_Id	Receipt_Transaction_Date	Receipt_Transaction_Time		Discrepancy_Reason_Codes	Value of each transaction component
	For last reported System States: E27 –31 Set to F99: New Reconciliation Date: <= Run Date							

End of Report

End to End Reconciliation Reporting
FUJITSU RESTRICTED (COMMERCIAL IN CONFIDENCE)

POST OFFICE

3.3.1.11   NB102: Section 10: Cleared Timing Differences

3.3.1.11.1   NB102: Section 10 - Report Layout

NB102 Section 10: Cleared Timing Differences	Client: LINK	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	Transaction Type: Deposit & Withdrawal	Currency: GBP

Exception Type	Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 10									9999999999.99

End of Report

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3.3.1.11.2 NB102: Section 10 – Data Definition

NB102 Section 10: Cleared Timing Differences	Client: (Derived from Routing Gateway.)	Produced on: (Date and time of production)
Run Date: (The period for which the report refers)	Transaction Type: Deposit & Withdrawal	Currency: (Derived from 'currency')

Exception Type / Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
One row for each timing difference, grouped within reconciliation date with a sub total for each reconciliation date and a grand total for the section. Where dates are shown for the same exception type, list in descending order.	Horizon_Txn_Num	Txn_Type	Bank_Transaction_Id	Receipt_Transaction_Date	Receipt_Transaction_Time		Discrepancy_Reason_Codes	Value of each transaction component
	For last reported System States: E39 Set to F99: New Reconciliation Date: <= Run Date							

End of Report

3.3.1.12   NB102: Section 11: Cleared Confirmed, Unconfirmed & POLSAP exceptions > 24 hours

3.3.1.12.1   NB102: Section 11 – Report Layout

NB102 Section 11: Cleared Confirmed, Unconfirmed & POL FS exceptions > 24 hours	Client: LINK	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	Transaction Type: Deposit & Withdrawal	Currency: GBP

Exception Type	Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
State 1	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
State 2	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
State 6	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
State 6	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss		Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 11									9999999999.99

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End of Report

3.3.1.12.2 NB102: Section 11 – Data Definition

NB102 Section 11: Cleared Confirmed, Unconfirmed & POL FS exceptions > 24 hours	**Client:** (Derived from Routing Gateway.)	**Produced on:** (Date and time of production)
Run Date: (The period for which the report refers)	**Transaction Type:** Deposit & Withdrawal	**Currency:** (Derived from 'currency')

Exception Type / Reconciliation Date	Horizon Txn Id	Transaction Type	Bank Txn Id	Receipt Date	Receipt Time	CAP	Discrepancy Type	Values (8 sub columns)
One row for each exception, with specific system states listed in order, grouped within reconciliation date with a sub total for each reconciliation date and a grand total for the section. Note: an extra constraint for system states 2 & 18 is that the Branch must have harvested (TPS) successfully. Should a Branch be confirmed as non-polling, **system state 2 & 18** for that Branch on the date(s) in question should not be included on this report. Where dates are shown for the same exception type, list in descending order.	Horizon_Txn _Num	Txn_Type	Bank_Transact ion_Id	Receipt_Transa ction_Date	Receipt_Transa ction_Time		Discrepancy_R eason_Codes	Value of each transaction component
	For last reported System States: 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 16, 17, 18, E01-02 E04-06, E10-12, E14, E20-24, E32, E34 -E36, E38 Set to F99: New Transactions that were included on report NB102 Section 5 on 'yesterday's' reports and are not included in NB102 Section 5 on 'today's' reports."							

End of Report

3.3.1.13 NB102: Section 12: Cleared Future Dated Transactions by Client

3.3.1.13.1   NB102: Section 12 - Report Layout

NB102 Section 12: Cleared Future Dated Transactions by Client	All Clients	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	**Transaction Type:** Deposit & Withdrawal	**Currency:** GBP

Client	Reconciliation Date	Volume	Values (8 sub columns)
LINK	dd/mm/yyyy	99999999	9999999999.99
Lloyds	dd/mm/yyyy	99999999	9999999999.99
Total Section 11		9999999999	9999999999.99

End of Report

3.3.1.13.2   NB102: Section 12 - Data Definition

NB102 Section 12: Cleared Future Dated Transactions by Client	All Clients	Produced on: (Date and time of report production)
Run Date: (The period for which the report refers)	**Transaction Type:** Deposit & Withdrawal	**Currency:** (Derived from 'currency')

Client / Reconciliation Date	Volume	Values (8 sub columns)
One row for each Client derived from Routing Gateway where transactions have been received with a reconciliation date ahead of the run date. Where dates are shown for the same exception type, list in descending order.	**System State**: All States All transactions that were included on report NB102 Section 6 on 'yesterday's' reports and are not included in NB102 Section 6 on 'today's' reports.	

End of Report

3.3.1.14 Incomplete and Discrepancy State: Report Matrix

This table identifies the NB102 series report section where incomplete and discrepancy States are reported in detail.

Incomplete State	Transaction Components					Exception report NB102 Section	
	C112	**C12**	**C4**	**S**	**D**	**Uncleared**	**Cleared**
1		√				1 & 5	7 & 11
2		√	√			1 & 5	7 & 11
4			√			1 & 5	7 & 11
5	√					1 & 5	7 & 11
6	√	√				1 & 5	7 & 11
7	√		√			1 & 5	7 & 11
8				√		1 & 5	7 & 11
9	√			√		1 & 5	7 & 11
10		√		√		1 & 5	7 & 11
11	√	√		√		1 & 5	7 & 11
12					√	2	8
13		√			√	2	8
14	√				√	2	8
15	√	√			√	2	8
16			Then √	√		1 & 5	7 & 11
17	√		Then √	√		1 & 5	7 & 11
18		√	Then √	√		1 & 5	7 & 11
20				√	Then √	2	8
21	√			√	Then √	2	8
22		√		√	Then √	2	8
23	√	√		√	Then √	2	8

Shaded lines represent System States not expected to be reported within the Banking and Related Services report set

3.3.1.15 Exception State: Report Matrix

This table identifies the NB102 series report section where an exception is reported in detail.

Exception State	Description	Exception report NB102 Section	
		Uncleared	Cleared
E01	Additional C112	1 & 5	7 & 11
E02	Additional C12	1 & 5	7 & 11
E03	Additional D	2	8
E04	Additional C4	1 & 5	7 & 11
E05	Additional S	1 & 5	7 & 11
E06	S after C4	1 & 5	7 & 11
E07	S after D	2	8
E08	C4 after D	2	8
E09	D after C4	2	8
E10	C112 after final state	1 & 5	7 & 11
E11	C12 after final state	1 & 5	7 & 11
E12	C4 after final state	1 & 5	7 & 11
E13	D after final state	2	8
E14	S after final state	1 & 5	7 & 11
E15	Not Used		
E16	Not Used		
E17	Not Used		
E18	Not Used		
E19	Not Used		
E20	Amount of C112#C12	1 & 5	7 & 11
E21	Amount of C112#C4	1 & 5	7 & 11
E22	Amount of C112#S & C112#0	1 & 5	7 & 11
E23	Amount of C12#C4	1 & 5	7 & 11
E24	Amount of C12#S & C12#0	1 & 5	7 & 11
E25	Amount of C112#D	2	8
E26	Amount of C12#D	2	8
E27	Incomplete/corrupt C112	3	9
E28	Incomplete/corrupt C12	3	9
E29	Incomplete/corrupt C4	3	9
E30	Incomplete/corrupt D	3	9
E31	Incomplete/corrupt S	3	9
E32	Amount of C4#S & C4#0	1 & 5	7 & 11
E33	Amount of D#S	2	8
E34	C112 arrived after state F99	1 & 5	7 & 11
E35	C12 arrived after state F99	1 & 5	7 & 11
E36	C4 arrived after state F99	1 & 5	7 & 11
E37	D arrived after state F99	2	8
E38	S arrived after state F99	1 & 5	7 & 11
E39	Settlement Date # Reconciliation Date	4	10

Shaded lines represent System States not expected to be reported within the Network Banking report set

3.4 System States

	State	Conf Agent	NBE	TPS	C112	C12	C4	D	S	Amount:Action	Amount:Action	Amount:Action	Settlement Date:Action	Set state to
Start	0				5	1	4	12	8	-	-	-	-	-
	1	C12			6	E02	2	13	10	-	-	-	-	F99
	2	C12	C4		3	E02	E04	E09	E06	C12#C4:E23	-	-	C4 Settle Dt#Rec Dt:E39	F99
Final	3	C12	C4	C112	E10	E11	E12	E13	E14	C112#C12:E20	C112#C4:E21	-	C4 Settle Dt#Rec Dt:E39	-
	4		C4		7	2	E04	E09	E06	-	-	-	-	F99
	5			C112	E01	6	7	14	9	-	-	-	-	F99
	6	C12		C112	E01	E02	3	15	11	C112#C12:E20	-	-	-	F99
	7		C4	C112	E01	3	E04	E09	E06	C112#C4:E21	-	-	C4 Settle Dt#Rec Dt:E39	F99
	8		S		9	10	16	20	E05	-	-	-	-	F99
	9		S	C112	E01	11	17	21	E05	C112#S & C112#0:E22	-	-	S Settle Dt#Rec Dt:E39	F99
	10	C12	S		11	E02	18	22	E05	C12#S & C12#0:E24	-	-	S Settle Dt#Rec Dt:E39	F99
	11	C12	S	C112	E01	E02	19	23	E05	C112#C12:E20	C12#S & C12#0:E24	-	S Settle Dt#Rec Dt:E39	F99
	12		D		14	13	E08	E03	E07	-	-	-	-	F99
	13	C12	D		15	E02	E08	E03	E07	C12#D(C12):E26	-	-	D Settle Dt#Rec Dt:E39	F99
	14		D	C112	E01	15	E08	E03	E07	C112#D(C12):E25	-	-	D Settle Dt#Rec Dt:E39	F99
	15	C12	D	C112	E01	E02	E08	E03	E07	C112#C12:E20	C112#D(C12):E25	-	D Settle Dt#Rec Dt:E39	F99
	16		S/C4		17	18	E04	E09	E05	C4#S & C4#0:E32	-	-	C4 Settle Dt#Rec Dt:E39	F99
	17		S/C4	C112	E01	19	E04	E09	E05	C112#C4:E21	C4#S & C4#0:E32	-	C4 Settle Dt#Rec Dt:E39	F99
	18	C12	S/C4		19	E02	E04	E09	E05	C12#C4:E23	C4#S & C4#0:E32	-	C4 Settle Dt#Rec Dt:E39	F99
Final	19	C12	S/C4	C112	E10	E11	E12	E13	E14	C112#C12:E20	C12#C4:E23	C4#S & C4#0:E32	C4 Settle Dt#Rec Dt:E39	-
	20		S/D		21	22	E08	E03	E05	D(A)#S:E33	-	-	D Settle Dt#Rec Dt:E39	F99
	21		S/D	C112	E01	23	E08	E03	E05	C112#S & C112#0:E22	D(A)#S:E33	-	D Settle Dt#Rec Dt:E39	F99
	22	C12	S/D		23	E02	E08	E03	E05	C12#S & C12#0:E24	D(A)#S:E33	-	D Settle Dt#Rec Dt:E39	F99
	23	C12	S/D	C112	E01	E02	E08	E03	E05	C112#C12:E20	C112#S & C112#0:E22	D(A)#S:E33	D Settle Dt#Rec Dt:E39	F99

Pre-validation — On Incomplete/Corrupt error go to: E27 E28 E29 E30 E31 (C112 C12 C4 D S)
When valid, go to State. Validate on entry to State (# means 'not equal to'). MSU Action: Set state to.

Exception states

	State	Description	C112	C12	C4	D	S	Amount:Action	Amount:Action	Amount:Action	Settlement Date:Action	Set state to
	E01	Additional C112	-	-	-	-	-	-	-	-	-	F99
	E02	Additional C12	-	-	-	-	-	-	-	-	-	F99
	E03	Additional D	-	-	-	-	-	-	-	-	-	F99
	E04	Additional C4	-	-	-	-	-	-	-	-	-	F99
	E05	Additional S	-	-	-	-	-	-	-	-	-	F99
	E06	S after C4	-	-	-	-	-	-	-	-	-	F99
	E07	S after D	-	-	-	-	-	-	-	-	-	F99
	E08	C4 after D	-	-	-	-	-	-	-	-	-	F99
	E09	D after C4	-	-	-	-	-	-	-	-	-	F99
	E10	C112 after final state	-	-	-	-	-	-	-	-	-	F99
	E11	C12 after final state	-	-	-	-	-	-	-	-	-	F99
	E12	C4 after final state	-	-	-	-	-	-	-	-	-	F99
	E13	D after final state	-	-	-	-	-	-	-	-	-	F99
	E14	S after final state	-	-	-	-	-	-	-	-	-	F99
	E15	Not used	-	-	-	-	-	-	-	-	-	-
	E16	Not used	-	-	-	-	-	-	-	-	-	-
	E17	Not used	-	-	-	-	-	-	-	-	-	-
	E18	Not used	-	-	-	-	-	-	-	-	-	-
	E19	Not used	-	-	-	-	-	-	-	-	-	-
	E20	Amount of C112#C12	-	-	-	-	-	-	-	-	-	F99
	E21	Amount of C112#C4	-	-	-	-	-	-	-	-	-	F99
	E22	Amount of C112#S & C112#0	-	-	-	-	-	-	-	-	-	F99
	E23	Amount of C12#C4	-	-	-	-	-	-	-	-	-	F99
	E24	Amount of C12#S & C12#0	-	-	-	-	-	-	-	-	-	F99
	E25	Amount of C112#D	-	-	-	-	-	-	-	-	-	F99
	E26	Amount of C12#D	-	-	-	-	-	-	-	-	-	F99
	E27	Incomplete/Corrupt C112	-	-	-	-	-	-	-	-	-	F99
	E28	Incomplete/Corrupt C12	-	-	-	-	-	-	-	-	-	F99
	E29	Incomplete/Corrupt C4	-	-	-	-	-	-	-	-	-	F99
	E30	Incomplete/Corrupt D	-	-	-	-	-	-	-	-	-	F99
	E31	Incomplete/Corrupt S	-	-	-	-	-	-	-	-	-	F99
	E32	Amount of C4#S & C4#0	-	-	-	-	-	-	-	-	-	F99
	E33	Amount of D#S	-	-	-	-	-	-	-	-	-	F99
	E34	C112 arrived after state F99	-	-	-	-	-	-	-	-	-	F99
	E35	C12 arrived after state F99	-	-	-	-	-	-	-	-	-	F99
	E36	C4 arrived after state F99	-	-	-	-	-	-	-	-	-	F99
	E37	D arrived after state F99	-	-	-	-	-	-	-	-	-	F99
	E38	S arrived after state F99	-	-	-	-	-	-	-	-	-	F99
	E39	Settlement Date # Reconciliation Date	-	-	-	-	-	-	-	-	-	F99
Final	F99	MSU resolved	E34	E35	E36	E37	E38	-	-	-	-	-

4   APS Reconciliation

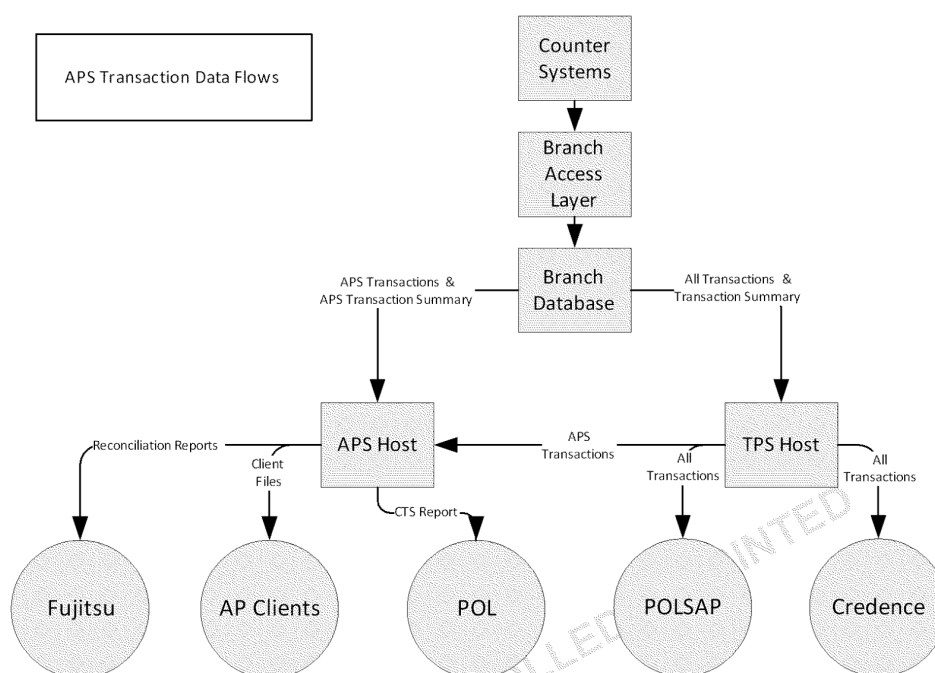The diagram below shows the flow of transaction details APS to APS Client.

Figure 1 – APS Transaction Data Flows

End of Day Daily summaries are calculated at the BRDB to ensure that reconciliation can be performed between TPS and the Counter Estate.

Transaction data is transferred from the Branch Database to the APS Host, this includes an APS Transaction Summary from each branch.

TPS passes a file of all TPS-Harvested APS transactions to the APS host for reconciliation.

The reconciliation procedure is run and produces a number of reports detailing the reconciliation between the APS client payments and the corresponding transactions from TPS.

The APS Host system passes summaries of transactions that have been passed to APS Clients. This report is called the Client Transmission Summary (CTS) report.

4.1   Reconciliation between Client Transmission files and CTS

The end to end transaction flows are supported by validation processes which verify that the transactions processed by the APS Host are consistent with the transactions included in each Client Transmission File and with the CTS sub-file sent to Post Office Ltd.

This validation is carried out for the volume of normal transactions and the value of all transactions only in each of these files. A Validation Status report (section 4.8) will be produced as part of this validation process and the results of this notified to Post Office Ltd.

4.2 Accounting Sense

Reconciliation reporting operates on a seven day a week basis regardless of the Client file transmission schedule (which may, for example, exclude weekends and bank holidays). In principle, reconciliation reporting totals volume and value for transactions. It includes reversals by adding volume and subtracting value.

Thus, for In-pay transactions:

- Volume is positive and added (net result: add)

- Value is positive and added (net result: add)

- Reversal volume is positive and added (net result: add)

- Reversal value is positive and subtracted (net result: subtract)

For Out-pay transactions:

- Volume is positive and added (net result: add)

- Value is negative and added (net result: subtract)

- Reversal volume is positive and added (net result: add)

- Reversal value is negative and subtracted (net result: add)

Reporting has to be able to show a representation of negative value. To be consistent with other reconciliation reporting, this will be done with the use of parenthesis rather than the use of a prefix sign, e.g. (23.42) represents the value -23.42.

4.3 APS Reconciliation / Reporting Points

Four reconciliation points are identified.

The first Reconciliation Point is the main APS Host reconciliation and reporting point. It confirms the APS accounts are balanced for the processing day and provides a balance statement, a Client delivery summary report and a transaction exception report.

The second Reconciliation Point is transaction reconciliation between:

- the APS transactions at Branches;
- the APS transactions delivered by TPS to POLSAP;
- the APS transactions delivered by APS to Clients.

It provides a reconciliation summary report, transaction exception Client account and detailed reports.

The third Reconciliation Point reports on non-harvested branches. This reconciliation point is no longer used.

The fourth Reconciliation Point is an intermediate point to help the operational management. It is not necessary to meet requirements; it confirms consistency between:

- the APS transactions at branches;
- the APS transactions delivered to APS Clients.

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4.4 APS Reconciliation / Reporting Point 1

4.4.1 Description

At the beginning of a normal processing day (about 8am), the APS Host is expected to have delivered all APS transactions for previous processing days to Clients. However, there may be some transactions quarantined because they have failed an APS validation check.

During normal branch hours action is taken to resolve these transactions and, once resolved, the most likely outcome is that the transaction is returned into the normal delivery stream. However, the APS Host system does cater for instances where an APS transaction cannot be returned to normal processing and needs to be processed manually. Therefore, during normal branch hours exception transactions may be returned to normal processing or, possibly in very rare circumstances, put into manual processing.

During the evening of the processing day APS transactions from counters are delivered to the APS Host. The transactions are validated by the APS Host and are put into quarantine if validation fails.

The APS Host delivers valid APS transactions to APS Clients. Transactions are delivered to clients according to the delivery schedule agreed with each client (Daily, weekly, specific days etc). Transactions that are not due for delivery are stored until such time that they are due.

This reconciliation point is at the end of the processing day when all these transaction flows are reconciled and reported.

4.4.2 APSS2133 - APS Daily Account Balancing Report

Objectives: To confirm that the APS transaction account balances for the processing day.

Users: Post Office Ltd and Fujitsu Services Post Office Account

Frequency: At the end of each APS processing day.

Outline contents:

APS Daily Account Balancing Report

Processing Date: dd/mm/yyyy

Report Date: dd/mm/yyyy
Report Time: hh:mm:ss

Description	APS		TPS		
	Number	Value (£)	Number	Value (£)	
Opening Balance	9,999,999	999,999,999.99			B/Fwd
Pathway Harvested Transactions	9,999,999	999,999,999.99	9,999,999	999,999,999.99	
Transactions Received from HAPS	9,999,999	999,999,999.99			
Receipt Sub Total	9,999,999	999,999,999.99			
APS Transactions Delivered to HAPS	9,999,999	999,999,999.99			
APS Transactions Delivered to Clients	9,999,999	999,999,999.99			
APS Transactions Delivered to Manual	9,999,999	999,999,999.99			

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APS Transactions Delivered to TIP			9,999,999	999,999,999.99	
Delivery Sub Total	9,999,999	999,999,999.99			
Delayed APS Transactions	9,999,999	999,999,999.99			C/Fwd
Reconciliation Error	9,999,999	999,999,999.99	9,999,999	999,999,999.99	

Sort order: As shown above.

Field derivations:

Report Date: The date the report was generated.

Report Time: The time the report was generated.

Processing Date: The logical system date set by the APS Host Batch Schedule. This date is constant for one processing cycle of the daily schedule.

Opening Balance: These are the figures that were shown as "Delayed APS Transactions" on the previous day's report

Pathway Harvested Transactions (Pathway should read BRDB but this is hard coded in the report): The APS transactions (total number and total value) for all Clients delivered by the Branch database to both APS and TPS for the current day. This includes transactions that were quarantined on the current Trading Day

APS Transactions Delivered to Clients: The APS transactions (total number and total value) delivered to the Clients for that processing day's transmission. The totals may include transactions that were not delivered to clients because the Delivery Agreement did not require a file delivery to be made.

APS Transactions Delivered to Manual: The APS transactions (total number and total value) that have failed validation and Customer Services are to resolve manually using the APS Workstation tool.

APS Transactions Delivered to TIP: The APS transactions (total number and total value) delivered to POLSAP for the current processing day. This is identical to the value of Pathway Harvested Transactions delivered to TPS since it is assumed that all transactions received by TPS will be delivered to POLSAP (If there is a failure to deliver to POLSAP then this will be recorded in the Incomplete Summaries report that is described in section 5.3).

Delivery Sub Total: The total number and total value of APS Transactions Delivered to BRDB, APS Transactions Delivered to Clients and APS Transactions Delivered to Manual.

Delayed APS Transactions: The total number and total value of APS transactions that are in quarantine due to validation failures. The Delayed APS Transactions appears as the Opening Balance in the next days' APS Daily Account Balancing Report.

Reconciliation Error: For APS: the Receipt Sub Total minus the Delivery Sub Total minus the Delayed APS Transactions. For TPS: The Harvested Transactions (TPS) minus the APS Transactions delivered to POLSAP.

Value fields: If any value to be reported is negative, then it shall be enclosed in parenthesis. For example, the value -£4.23 shall be shown as (4.23).

HAPS: HAPS is no longer part of the solution and all values and volumes relating to HAPS transactions will therefore be zero.

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4.4.3 APSS2133b - APS Client Summary Report

Objectives: To provide a summary of the transactions, which have been delivered by APS during the processing day. The summary is produced by the clearing agent (i.e. the organisation to which Fujitsu Services deliver the transactions). For each clearing agent, a breakdown is provided by Client account for each transaction date. Transactions delivered to Manual are processed manually and consequently are not reported here.

Users: Post Office Ltd and Fujitsu Services Post Office Account

Frequency: At the end of each APS processing day

Outline contents:

APS Client Summary Report

Processing Date: dd/mm/yyyy   Report Date: dd/mm/yyyy

                                                             Report Time: hh:mm:ss

Clearing Agent	Client Account	Client Account Name	Transaction Date	Transaction Totals Number	Transaction Totals Value (£)
APSDustbin	ssss	Client 6	dd/mm/yyyy	9,999,999	999,999,999.99
			dd/mm/yyyy	9,999,999	999,999,999.99
		Client Sub Total		9,999,999	999,999,999.99
		Clearing Agent Total		9,999,999	999,999,999.99
PODGGeneric	nnnn	Client 1	dd/mm/yyyy	9,999,999	999,999,999.99
			dd/mm/yyyy	9,999,999	999,999,999.99
		Client Sub Total		9,999,999	999,999,999.99
	oooo	Client 2	dd/mm/yyyy	9,999,999	999,999,999.99
		Client Sub Total		9,999,999	999,999,999.99
		Clearing Agent Total		9,999,999	999,999,999.99
PODGGirobank	pppp	Client 3	dd/mm/yyyy	9,999,999	999,999,999.99
			dd/mm/yyyy	9,999,999	999,999,999.99
		Client Sub Total		9,999,999	999,999,999.99
	qqqq	Client 4	dd/mm/yyyy	9,999,999	999,999,999.99
		Client Sub Total		9,999,999	999,999,999.99
	rrrr	Client 5	dd/mm/yyyy	9,999,999	999,999,999.99
		Client Sub Total		9,999,999	999,999,999.99

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Clearing Agent Total	9,999,999	999,999,999.99
Grand Total	9,999,999	999,999,999.99
Reconciliation Error	9,999,999	999,999,999.99

Sort order: The sort order will be ascending on Clearing Agent. Within each of these, the sort order will be ascending by Client Account and within that by Transaction Date in reverse chronological order.

Field derivations:

Report Date: The date the report was generated.

Report Time: The time the report was generated.

Processing Date: The logical system date set by the APS Host Batch Schedule. This date is constant for one processing cycle of the daily schedule.

Clearing Agent: This is an historic term that has very little meaning left since the functionality for delivery of AP Client files to clients and their agents has been subsumed to PODG.

Client Account: The number of the Client account for which APS transactions have been delivered.

Client Account Name: The name of the Client account for which APS transactions have been delivered.

Transaction Date: The chronological date on which the transaction was committed on the HNG-X Counter system. The entry on this report is normally the current transaction day but can include earlier dates due to late harvesting or delayed APS Transactions (see section 4.4.2).

Transaction Totals: The total number and total value of APS transactions received by the APS Host system for the Client account for the transaction date.

Client Sub Total: The sum of the total number and total value of APS transactions delivered to the clearing agent for the specific corresponding Client account for all transaction dates.

Clearing Agent Total: The sum of the total number and total value of APS transactions delivered to the clearing agent for all the corresponding Client accounts for all transaction dates.

Grand Total: The sum of the total number and total value of APS transactions delivered to all clearing agents for all transaction dates. This should match the figure for "APS transactions delivered to Clients" on APS Daily Account Balancing Report (see section 4.4.2).

Reconciliation Error: The Grand Total minus the APS Transactions delivered to HAPS on the APS Daily Account Balancing Report (Always zero) minus APS Transactions Delivered to Clients on the APS Daily Account Balancing Report (see section 4.4.2). Since HAPS is always zero then this figure should also always be zero.

Value fields: If any value to be reported is negative, then it shall be enclosed in parenthesis. For example, the value -£4.23 shall be shown as (4.23).

HAPS: HAPS is no longer part of the solution and all values and volumes relating to HAPS transactions will therefore be zero.

4.4.4 APSS2133c - APS Delayed Transactions Report

Objectives: To provide details of all transactions which have not been delivered by Fujitsu Services because they have been delayed/quarantined within the APS Host system. Initial Customer Support resolution will cause the transactions to be returned for normal processing or sent to manual for manual processing. TPS quarantined APS transactions will show up as a discrepancy on the APS Daily Account Balancing Report (see section 4.4.2). TPS quarantined transactions are identified and reported in sections 5.1 and 5.2 below.

Users: Post Office Ltd and Fujitsu Services Post Office Account

Frequency: At the end of each APS processing day.

Outline contents:

APS Delayed Transactions Report

Processing Date: dd/mm/yyyy

Report Date: dd/mm/yyyy

Report Time: hh:mm:ss

Transaction Date	Transaction Details	Value (£)	Error Message
dd/mm/yyyy	APS Transaction Details 1	999,999,999.99	Reason for Delay 1
	APS Transaction Details 2	999,999,999.99	Reason for Delay 2
	APS Transaction Details 3	999,999,999.99	Reason for Delay 2
dd/mm/yyyy	APS Transaction Details 4	999,999,999.99	Reason for Delay 1
	APS Transaction Details 5	999,999,999.99	Reason for Delay 3
TOTAL	(Count)	999,999,999.99	
Reconciliation Error	(Count)	999,999,999.99	

Sort order: Chronological order on Transaction Date. Within this, the sort order will be ascending on Transaction Details.

Field derivations:

Report Date: The date the report was generated.

Report Time: The time the report was generated.

Processing Date: The logical system date set by the APS Host Batch Schedule. This date is constant for one processing cycle of the daily schedule.

Transaction Date: The chronological date on which the transaction was committed on the HNG-X Counter system. The entry on this report is normally the current transaction day but can include earlier dates due to late harvesting or delayed APS Transactions (see section 5.1.2).

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Transaction Details: Details of the APS transactions which have been delayed. The Transaction Details will appear in the order shown below and will be:

Clearing Agent.

Client Account & Name.

Client Code.

Item.

FAD Code.

Time.

Customer Reference.

Receipt Reference.

Receipt Serial Number.

Reversing/ Reversed Receipt Reference.

Reversing/ Reversed Receipt Serial Number.

Transaction Type.

Error Message: The reason the APS transaction has been delayed. This includes problems concerning transaction validation checks.

Reconciliation Error: The Total for the Count and Value of transactions minus the Delayed APS Transactions (Number and Value) on the APS Daily Account Balancing Report (see section 5.1.2).

Value fields: If any value to be reported is negative, then it shall be enclosed in parenthesis. For example, the value -£4.23 shall be shown as (4.23).

4.5 APS Reconciliation / Reporting Point 2

4.5.1 Description

Normally, APS transactions flow through the TPS Host to POLSAP and through the APS Host system within the same working day. However, the rules associated with the processing of APS transactions within the TPS Host and the APS Host systems are different. Consequently, transactions may be placed in exception status by APS but be accepted as valid by TPS. This reconciliation point is at the end of the processing day. It reconciles the:-

- APS transactions at Branches;

- APS transactions delivered by TPS to POLSAP;

It maintains a record of which transactions have passed through the TPS side and which transactions have passed through the APS side and on a daily basis it reports transactions which have been processed by one side and not the other.

4.5.2 APSS2136 - Daily TPS / APS Transaction Reconciliation Summary Report

Objectives: To compare Branch APS transaction totals with the actual POLSAP and Client delivered APS transaction totals for the last N days. There may be some error conditions where some differences will show for the most recent days; but all these differences will disappear in a very few days after the processing date demonstrating that all APS transactions at Branches are delivered to POLSAP and Clients.

Users: Post Office Ltd and Fujitsu Services Post Office Account

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Frequency: At the end of each APS processing day.

Outline contents:

Daily TPS / APS Transaction Reconciliation Summary Report

Processing Date: dd/mm/yyyy

Report Date: dd/mm/yyyy

Report Time: hh:mm:ss

Transaction Date	Office Transactions Number	Office Transactions Value (£)		Pathway Delivered Number	Pathway Delivered Value (£)	Difference (1) Number	Difference (1) Value (£)
Date 1	9,999,999	999,999,999.99	TIP	9,999,999	999,999,999.99	9,999,999	999,999,999.99
			Clients	9,999,999	999,999,999.99	9,999,999	999,999,999.99
			Difference (2)	9,999,999	999,999,999.99		
Date 2	9,999,999	999,999,999.99	TIP	9,999,999	999,999,999.99	9,999,999	999,999,999.99
			Clients	9,999,999	999,999,999.99	9,999,999	999,999,999.99
			Difference (2)	9,999,999	999,999,999.99		
Date N	9,999,999	999,999,999.99	TIP	9,999,999	999,999,999.99	9,999,999	999,999,999.99
			Clients	9,999,999	999,999,999.99	9,999,999	999,999,999.99
			Difference (2)	9,999,999	999,999,999.99		

Sort order: Reverse chronological order on Transaction Date.

Field derivations:

Report Date: The date the report was generated.

Report Time: The time the report was generated.

Processing Date: The logical system date set by the APS Host Batch Schedule. This date is constant for one processing cycle of the daily schedule.

Transaction Date: The last N dates for which transactions were delivered and for which differences in the total number and/or total value of:

- APS transactions at Branches;
- APS transactions delivered by TPS to TIP (POLSAP);
- APS transactions processed by APS (not necessarily delivered to Clients since delivery agreements do not always deliver daily),

have been identified and still exist.

Office Transactions: The total number and total value of APS transactions at Branches for the corresponding transaction dates. This is derived from a summary provided by the Branch Database.

Pathway Delivered Transactions:

TIP:	The volume and value of APS transactions that were processed by the TPS system
Clients:	The volume and value of APS transactions that were processed by the APS system
Difference (2):	TIP minus Clients

Difference (1): The Branch Transactions number and value minus the TIP number and value, and the Branch Transactions number and value minus the Client number and value for the corresponding transaction dates.

Value fields: If any value to be reported is negative, then it shall be enclosed in parenthesis. For example, the value -£4.23 shall be shown as (4.23).

4.5.3   APSS2136b - Daily TPS / APS Transaction Reconciliation Client Account Exception Report

Objectives: To identify Client account exceptions when comparing the actual number and value of transactions that were processed by TPS (TIP) and APS (Client) for the last 30 days.

Users: Fujitsu Services Post Office Account

Frequency: At the end of each APS processing day.

Outline contents:

Daily TPS / APS Transaction Reconciliation Client Account Exception Report

Processing Date:	dd/mm/yyyy		Report Date:	dd/mm/yyyy
			Report Time:	hh:mm:ss

Transaction Date	Clearing Agent	Client Account No & Name		Pathway Delivered Number	Value (£)
Date 1	PODGGeneric	Client 1	TIP	9,999,999	999,999,999.99
			Client	9,999,999	999,999,999.99
			Difference	9,999,999	999,999,999.99
		Client 2	TIP	9,999,999	999,999,999.99
			Client	9,999,999	999,999,999.99
			Difference	9,999,999	999,999,999.99
	Client 3	Client 3	TIP	9,999,999	999,999,999.99
			Client	9,999,999	999,999,999.99
			Difference	9,999,999	999,999,999.99

	Total Difference			9,999,999	999,999,999.99
	Reconciliation Error			9,999,999	999,999,999.99
Date N	PODGGiro	Client 1	TIP	9,999,999	999,999,999.99
			Client	9,999,999	999,999,999.99
			Difference	9,999,999	999,999,999.99
	Total Difference			9,999,999	999,999,999.99
	Reconciliation Error			9,999,999	999,999,999.99

Sort order: Reverse chronological order on Transaction Date. Within this, the sort order will be ascending on Clearing Agent.

Within this, the sort order will be ascending on Client Account.

Field derivations:

Report Date: The date the report was generated.

Report Time: The time the report was generated.

Processing Date: The logical system date set by the APS Host Batch Schedule. This date is constant for one processing cycle of the daily schedule.

Transaction Date: The last N dates for which transactions have delivered for which differences in the total number and/or total value of TPS and APS delivered APS transactions have been identified and still exist at Client account level.

Difference: For each date and Client, the TIP number and value minus the Client number and value for delivered.

Clearing Agent: This has little or no meaning now that all Client Files routed by the Post Office Data Gateway (PODG)

Client Account No and Name: The Client account number and name for which differences in the total number and/or total value of TPS and APS delivered APS transactions have been identified and still exist at Client account level.

Pathway Delivered: The total number and total value of POLSAP and Client delivered APS transactions for the corresponding transaction dates.

Total Difference: The total Number and total Value of the Difference for all Clients for the specified date.

Reconciliation Error: Total Difference minus Difference (2) from the Daily TPS / APS Transaction Reconciliation Summary Report for the specified date (see section 5.2.2).

Value fields: If any value to be reported is negative, then it shall be enclosed in parenthesis. For example, the value -£4.23 shall be shown as (4.23).

4.5.4 APSS2136c - Daily TPS / APS Transaction Reconciliation Detail Exception Report

Objectives: To report all transactions for the last 30 days which are different in POLSAP to Client delivery. Differences may occur either as a result of some error condition, or in the case of unmatched TPS/POLSAP transactions, as a result of business processing rules being different from those of APS/Client transactions.

Users: Fujitsu Services Post Office Account

Frequency: At the end of each APS processing day.

Outline contents:

Daily TPS / APS Transaction Reconciliation Detail Exception Report

Processing Date: dd/mm/yyyy

Report Date: dd/mm/yyyy

Report Time: hh:mm:ss

Transaction Date	Source	Transaction Details		Error Message
Date 1	TPS/TIP	TPS/TIP Transaction Details 1		Discrepancy 1
	APS/Client	APS/Client Transaction Details 1		Difference 1
	TPS/TIP	TPS/TIP Transaction Details 2		Discrepancy 2
	APS/Client	APS/Client Transaction Details 2		Difference 2
	TPS/TIP Only		Count 9,999,999	"Unmatched"
	APS/Client Only		Count 9,999,999	Difference 3
			Number	Value (£)
		Total Difference	9,999,999	999,999,999.99
		Reconciliation Error	9,999,999	999,999,999.99
Date 2	TPS/TIP	TPS/TIP Transaction Details 3		Discrepancy 3
	APS/Client	APS/Client Transaction Details 3		Difference 1
	TPS/TIP Only		Count 9,999,999	"Unmatched"
	APS/Client Only		Count 9,999,999	Difference 3
			Number	Value (£)
		Total Difference	9,999,999	999,999,999.99
		Reconciliation Error	9,999,999	999,999,999.99
Date 3	TPS/TIP	TPS/TIP Transaction Details 3		Discrepancy 3
	APS/Client	APS/Client Transaction Details 3		Difference 1
			Number	Value (£)
		Total Difference	9,999,999	999,999,999.99

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			Number	Value (£)
		Reconciliation Error	9,999,999	999,999,999.99
Date N	TPS/TIP	TPS/TIP Transaction Details n		Discrepancy n
	APS/Client	APS/Client Transaction Details n		Difference n
			Number	Value (£)
		Total Difference	9,999,999	999,999,999.99
		Reconciliation Error	9,999,999	999,999,999.99

Sort order: Reverse chronological order on Transaction Date. Within this, the sort order will be ascending on Transaction Details as defined below.

Field derivations:

Report Date: The date the report was generated.

Report Time: The time the report was generated.

Processing Date: The logical system date set by the APS Host Batch Schedule. This date is constant for one processing cycle of the daily schedule.

Transaction Date: The last N dates for which transactions have been delivered and for which differences in the total number and/or total value of TPS and APS delivered APS transactions have been identified and still exist at a detailed level.

Source: Identifies whether the exceptions are due to APS harvesting discrepancies or due to POLSAP/Client delivery discrepancies.

Transaction Details: Details of the APS transactions for which only an APS/Client record was found (ie: a quarantined TPS transaction) or only a TPS/TIP was present (ie: the APS record was quarantined) for the corresponding transaction dates. The Transaction Details will be:

FAD Code.	K
Time.	K
Receipt Reference.	K
Receipt Serial Number.	K
Transaction Type.	C
Client Code.	C
Customer Reference.	C
Method of Capture.	C
Value.	C
Clearing Agent.	S
Client Account and Name.	S
Reversing/Reversed Receipt Reference.	S
Reversing/Reversed Receipt Serial Number.	S

Key to above:

K => Transactions from APS are matched with APS transactions from TPS on these fields. All transactions for which no match can be made appear in this report with the error message "Unmatched". In addition to the marked fields, above, "Transaction Date" is a "K" field.

C => Matching APS transactions from APS and TPS are compared on these fields. If any of these fields are different, both transactions appear on this report with the appropriate error message.

S => Fields shown from the APS transaction only

TPS/TIP Only: Unmatched TPS transactions are transactions that appear in TPS and are delivered to POLSAP but for which there are no matching APS transactions. Such transactions may occur, for example, due to business processing rules for TPS and APS being different. For Dates 1 and 2 only, unmatched TPS transactions will <u>not</u> be detailed individually, but a total count and value will be entered. For Dates 3 to N, unmatched TPS transactions will be detailed individually.

APS/Client Only: Unmatched APS transactions are transactions that appear in APS and are delivered to Clients but for which there are no matching TPS transactions. Such transactions are not expected other than in error conditions. For Dates 1 and 2 only, unmatched APS transactions will <u>not</u> be detailed individually, but a total count and value will be entered. For Dates 3 to N, unmatched APS transactions will be detailed individually.

Error Message: The error message identifying the APS transaction discrepancy. This includes problems concerning synchronisation between HNG-X and POLSAP on Client accounts, HNG-X security checks, and transaction validation checks. The message "Unmatched" will be used for unmatched TPS or APS transactions.

Difference: The Value of the TPS/POLSAP Transaction minus the Value of the APS/Client Transaction. Note: Difference 3 is the Unmatched TPS Value minus the Unmatched APS Value.

Total Difference: The Count of the total Number of TPS Transactions minus the total Number of APS Transactions, and the total Value of the Difference for all Transactions for the specified date.

Reconciliation Error: Total Difference minus Difference (2) from the Daily TPS / APS Transaction Reconciliation Summary Report for the specified date (see section 5.2.2).

Value fields: If any value to be reported is negative, then it shall be enclosed in parenthesis. For example, the value -£4.23 shall be shown as (4.23).

4.6   APS Reconciliation / Reporting Point 3

4.6.1   Description

The APS Harvester Reconciliation was used to ensure all Horizon Branches had been harvested. As HNG-X does not rely on harvesting of transaction this report is no longer relevant.

4.6.2   APSS2139 - Daily APS Office Harvesting Report

The APS Harvester Reconciliation was used to ensure all Horizon Branches had been harvested. As HNG-X does not rely on harvesting of transaction this report is no longer relevant.

4.7   APS Reconciliation Point 4

4.7.1   Description

The APS measures the difference between what the BRDB passed to APS and what BRDB thought that it passed to APS – the two may differ.

BRDB creates a summary of all transactions by branch and passes this to APS. APS adds up all the transaction detail that was given to it and compares to the summary. Where there is a difference it is reported.

4.7.2   APSS2140 - APS Harvester Transaction Totals Summary

Objectives: To provide Branch totals and harvested totals by transaction date for each of the last 30 transaction days for the APS Harvester.

Users: Fujitsu Services Post Office Account

Frequency: Following completion of the APS harvester each day

Outline contents:

APS Harvester Transaction Totals Summary

Processing Date: dd/mm/yyyy   Report Date: dd/mm/yyyy

                                                              Report Time: hh:mm:ss

Transaction Date	Office Totals		APS Harvested Totals		Difference	
	Number	**Value (£)**	**Number**	**Value (£)**	**Number**	**Value (£)**
Date 1	9,999,999	999,999,999.99	9,999,999	999,999,999.99	9,999,999	999,999,999.99
Date 2	9,999,999	999,999,999.99	9,999,999	999,999,999.99	9,999,999	999,999,999.99
Date N	9,999,999	999,999,999.99	9,999,999	999,999,999.99	9,999,999	999,999,999.99

Sort order: Reverse chronological order on Transaction Date.

Field derivations:

Report Date: The date the report was generated.

Report Time: The time the report was generated.

Processing Date: The logical system date set by the APS Host Batch Schedule. This date is constant for one processing cycle of the daily schedule.

Transaction Date: The last N dates for which transactions have been harvested and for which differences in the total number and/or total value of:

- APS transactions at Branches;
- Transactions harvested by APS.

have been identified and still exist.

Office Totals: The total number and total value of Branch APS transactions for the given date from Branches that have been harvested.

APS Harvested Totals: The total number and total value of APS harvested APS transactions for the given date.

Difference: The Branch Totals (number and value) minus the APS Harvested Totals (number and value) for each Transaction Date.

Value fields: If any value to be reported is negative, then it shall be enclosed in parenthesis. For example, the value -£4.23 shall be shown as (4.23).

4.7.3   APSS2140b - APS Harvester Transaction by Office

Objectives: To provide details by Branch code of any discrepancies that exists in the overall totals shown in the APS Harvester Transaction Totals Summary (see section 5.4.2).

Users: Fujitsu Services Post Office Account.

Frequency: Following completion of the APS harvester each day.

Outline contents:

APS Harvester Transaction Totals by Office

Processing Date: dd/mm/yyyy

Report Date: dd/mm/yyyy

Report Time: hh:mm:ss

Transaction Date	FAD Code & Name	Office Totals		APS Harvested Totals		Difference	
		Number	Value (£)	Number	Value (£)	Number	Value (£)
Date 1	123456	9,999,999	999,999,999.99	9,999,999	999,999,999.99	9,999,999	999,999,999.99
	345678	9,999,999	999,999,999.99	9,999,999	999,999,999.99	9,999,999	999,999,999.99
	456654	9,999,999	999,999,999.99	9,999,999	999,999,999.99	9,999,999	999,999,999.99
Total		9,999,999	999,999,999.99	9,999,999	999,999,999.99	9,999,999	999,999,999.99
Reconciliation Error						9,999,999	999,999,999.99
Date N	123456	9,999,999	999,999,999.99	9,999,999	999,999,999.99	9,999,999	999,999,999.99
	345678	9,999,999	999,999,999.99	9,999,999	999,999,999.99	9,999,999	999,999,999.99
	456654	9,999,999	999,999,999.99	9,999,999	999,999,999.99	9,999,999	999,999,999.99
Total		9,999,999	999,999,999.99	9,999,999	999,999,999.99	9,999,999	999,999,999.99
Reconciliation Error						9,999,999	999,999,999.99

Sort order: Reverse chronological order on Transaction Date. Within that ascending on Branch Code.

Field derivations:

Report Date: The date the report was generated.

Report Time: The time the report was generated.

Processing Date: The logical system date set by the APS Host Batch Schedule. This date is constant for one processing cycle of the daily schedule.

Transaction Date: The last N dates for which transactions have been harvested and for which differences in the total number and/or total value of:

- APS transactions at Branches;
- APS transactions harvested by APS

have been identified and still exist.

FAD Code and Name: The Post Office Ltd Branch code and Branch name identifying the Branch for which TPS/APS harvesting discrepancies still exist.

Office Totals: The total number and total value of Branch APS transactions for the given date and harvested Branch.

APS Harvested Totals: The total number and total value of APS harvested transactions for the given date and Branch.

Total: The total number and total value of the transactions for all Branches for the specified date.

Reconciliation Error: The Total number and value minus the corresponding entries from the APS Harvester Transaction Totals Summary for the specified date (see section 5.4.2).

Difference: The Branch Totals (number and value) minus the APS Harvested Totals (number and value) for each Transaction Date.

Value fields: If any value to be reported is negative, then it shall be enclosed in parenthesis. For example, the value -£4.23 shall be shown as (4.23).

4.8   APS2134 - APS Validation Status Report

Objectives: To identify the success or failure of the APS Validation process. This compares the volume of normal transactions and the value of all transactions between each Client Transmission file and the corresponding fields in the CTS sub-file.

Users: Fujitsu Services Post Office Account

Frequency: At the end of each APS processing day

Outline contents:

<div align="center">

APS Validation Status Report

</div>

Processing Date: dd/mm/yyyy	Report Date: dd/mm/yyyy
	Report Time: hh:mm:ss

Report message

Field derivations:

Report Date: The date the report was generated.

Report Time: The time the report was generated.

Processing Date: The logical system date set by the APS Host Batch Schedule. This date is constant for one processing cycle of the daily schedule.

Report Message: If all APS validation was successful, the message will be

All APS Client transmission files and CTS validated successfully

---

If any validation of a file fails, the message will be:

Validation Error on *[filename]* for Client*: [Client account and name]*	Count	Value
Transaction Tables	9,999,999	999,999,999.99
File	9,999,999	999,999,999.99

Or

Validation Error on Client Transmission Summary	Count	Value
Transaction Tables	9,999,999	999,999,999.99
File	9,999,999	999,999,999.99

The appropriate message will appear for all files that fail the validation.

Value fields: If any value to be reported is negative, then it shall be enclosed in parenthesis. For example, the value -£4.23 shall be shown as (4.23).

4.9 APS Report Delivery

Reports for Post Office Ltd are delivered in accordance with security and audit requirements.

Reports for Fujitsu Services Post Office Account are delivered to the MIS Client PC in BRA01 via FTP.

The 5 APS reports shown below are then sent via email to Post Office Ltd:

1. APSS2133
2. APSS2133b
3. APSS2133c
4. APSS2136
5. APSS2139

4.10 External Transactions

Transactions that are performed on non-Horizon terminals are delivered to AP Clients via the Branch Database and the APS Service. These transactions are loaded into the Branch Database and are validated at this point to ensure that subsidiary Horizon systems can complete all necessary processing. Transactions that fail validation are prevented from being loaded and are automatically returned to the transaction supplier.

Due to this validation, there should be no further transaction processing failures within the Horizon service.

However, there is a possibility that an external transaction is queried by an AP Client. This may occur if the customer who performed an AP transaction queries or disputes the amount of the transaction. In these instances, Fujitsu would receive the initial query but can only trace the transaction back to the file in which the transaction was supplied. It is almost inevitable that this type of query will need to be routed back to the transaction supplier for resolution.

This re-routing will be performed by raising a call with the Post Office Limited Service Desk.

A new report has been generated for Post Office Limited called the Rejected Sub-Files Report. Report Description:-

Ordering of the report is Load Date followed by Trading Date.

The Times Rejected column will indicate how many times that the sub-file has been rejected and will indicate whether there is an ongoing problem with poor quality data in corrected files.

If the quality of the data in the external transaction file is good then we would not expect any output from the report.

BRDB Load Date	Data Source	Branch Accounting Code	Trading Date	Status	Times Rejected	Reason For Hold	Last Progressed

Reconciliation for external transactions is the responsibility of P&BA not the Post Office Account Reconciliation Service. However, in the event that entries persist on the report the Post Office Account Reconciliation Service will contact P&BA to ask for these files to be cleared.

5 TPS Reconciliation Reports Specified

The Transaction Processing System (TPS) Report Set has been designed to enable reconciliation of the transactions carried out in Post Office branches using the Electronic Point of Sale Service (EPOSS) which are sent to POLSAP and Credence.

The TPS exceptions report set identified herewith reports errors that have occurred within counter transactions or during the harvesting process.

NB: For the avoidance of doubt, there is no formal reconciliation produced between the POLSAP and Credence transaction stream. The Credence stream should therefore not be used to verify financial integrity and Post Office Ltd should ensure the TPS Report Set and POLSAP transaction stream are used for this purpose.

IT IS NOT INTENDED THAT FUJITSU SERVICES WILL DELIVER ANY OF THE TPS RECONCILIATION REPORT SET IDENTIFIED HEREWITH TO POST OFFICE LTD.

The reports specified below are Horizon based Reconciliation Report set.

5.1 TPSC250 - Host Detected Transaction Control Errors

This report is produced daily and shows detail for any Post Office branch where the control totals for the transactions output by the Host to POLSAP and Credence do not match the Daily Transaction Totals calculated by the Counters.

```
TPS RECONCILIATION REPORTS          RUN DATE/TIME: 26/10/2006 20:52:53    Page No:    1

                                                                   PROGRAM:TPSC250

                          Host Detected Transaction Control Errors

  Org Unit Id Group Id  Trading Date              Number  Abs Quantity Absolute Value

      69303   128006    26/10/2006  TPS Total      3097      25358        295181.97
                                    Counter Total  3098      25358        295181.97


Total Number of records = 1
*** End of Report ***
```

The following data is reported for each exception.

- Organisation Unit Id: Unique identifier for each POCL Branch.

- Group Id: Normally 6 digit Branch Code

- Trading Date: Trading Date is the period of time between consecutive public end of day markers in message store.

- TPS Total: Control Totals for Number, Absolute Quantity and Absolute Value calculated by the Host

- Counter Total: Control Totals for Number, Absolute Quantity and Absolute Value calculated by the Counter.

An "END OF REPORT" message will appear at the end of the report even if there are no errors reported.

5.2 TPSC254 – Harvester Exceptions

This report is produced daily and shows a list of exceptions detected by the BRDB copy process when failing to process one or more messages

```
                          TPS RECONCILIATION REPORTS      RUN DATE/TIME:  26/10/2006 20:52:54    PAGE NO:    1
                                                                                    PROGRAM: TPSC254
                                       TPS Harvester Exceptions

Agent Name      : T_HV_ALL                    Agent Instance: 56
Exception Date  : 26/10/2006 19:22:48   Exception Code: 3004      Short Message: -2290
Exception Detail: Message Group=128006, Node=3, Number=574110 not harvested: Could not update database: Updating table TMS_RX_BDC_T
                  RANSACTIONS, ORA-02290: check constraint (OPS$TPS.BT63A_EXCHANGE_RATE_CHK) violated
                   .
Resolving Action:
Trading Date    : 26/10/2006
Riposte Message : <Message:<GroupId:128006><Id:3><Num:574110><Date:26-Oct-2006><Time:11:01:57><User:YKH002><Expiry:42><TranStartNum
                  :574110><TxnData:<TxnId:44-128006-3-574110-1><SessionId:44-128006-3-574110-1><Container:BB><Start:<Date:26-Oct-20
                  06><Time:11:01:57><TF:3><End:<Date:26-Oct-2006><Time:11:01:57><TF:4><Mode:RD><Application:BDC1><EPOSSTransacti
                  on:<CofA:552100><ProductNo:5133><PVer:1><Qty:0><SaleValue:0><INVI:<ProductNo:5133><PVer:1><Qty:0><EntryMethod:1>
                  <BlackBoxData:<M:RD><V:6>><AdditionalData:<BDC:<SQty:-100><PQty:0><ExRt:><TValue:0><CurCode:BEF><RN:Belgium Franc
                  >>><TranType:S><PM:<L1:2013><L2:2016><L3:3007><L4:3008><L5:3017>><SM:><TM:>><Credit:0><CRC:2F757E6A>>
Table Name      : TMS_RX_BDC_TRANSACTIONS
Column 1  Name  : ORG_UNIT_ID                 Column 1  Value: 69303
Column 2  Name  : ORG_UNIT_VERSION_NO         Column 2  Value: 17
Column 3  Name  : PROD_ID                     Column 3  Value: 5133
Column 4  Name  : END_DATE                    Column 4  Value: 26-Oct-200611:01:57
Column 5  Name  : END_TIME_FRACTION           Column 5  Value: 4
Column 6  Name  : ENTRY_METHOD                Column 6  Value: 1
Column 7  Name  : FALLBACK_MODE               Column 7  Value: N
Column 8  Name  : QUANTITY                    Column 8  Value: 0
Column 9  Name  : AMOUNT                      Column 9  Value: 0
Column 10 Name  : RIPOSTE_NUM                 Column 10 Value: 574110
Column 11 Name  : START_DATE                  Column 11 Value: 26-Oct-200611:01:57
Column 12 Name  : START_TIME_FRACTION         Column 12 Value: 3
Column 13 Name  : BALANCE_PERIOD              Column 13 Value: NULL
Column 14 Name  : CASH_ACCOUNT_PERIOD         Column 14 Value: NULL
Column 15 Name  : TRANSACTION_SEQUENCE_NUMBER Column 15 Value: 1
Column 16 Name  : USER_NAME                   Column 16 Value: YKH002
Column 17 Name  : CONTAINER                   Column 17 Value: BB
Column 18 Name  : SESSION_SEQUENCE_NUMBER     Column 18 Value: 741101
Column 19 Name  : GROUP_ID                    Column 19 Value: 128006
Column 20 Name  : COUNTER_POSITION            Column 20 Value: 3
Column 21 Name  : REVERSAL                    Column 21 Value: 0
Column 22 Name  : REVERSAL_SU                 Column 22 Value: NULL
Column 23 Name  : REVERSAL_SESSION_NUMBER     Column 23 Value: NULL
Column 24 Name  : REVERSAL_TRANSACTION_NUMBER Column 24 Value: NULL
Column 25 Name  : TRANSACTION_MODE_ID         Column 25 Value: 5
Column 26 Name  : TRANSACTION_MODE_VERSION_NO Column 26 Value: 6
Column 27 Name  : TRADING_DATE                Column 27 Value: 26-Oct-200600:00:00
Column 28 Name  : APPLICATION_TYPE            Column 28 Value: BDC1
Column 29 Name  : BUREAU_REGION               Column 29 Value: NULL
Column 30 Name  : COMMISSION                  Column 30 Value: NULL
Column 31 Name  : CURRENCY                    Column 31 Value: BEF
Column 32 Name  : EFFECTIVE_EXCHANGE_RATE     Column 32 Value: NULL
Column 33 Name  : EXCHANGE_RATE               Column 33 Value: NULL
Column 34 Name  : MARGIN                      Column 34 Value: NULL
Column 35 Name  : MARGIN_PRODUCT              Column 35 Value: NULL
Column 36 Name  : PURCHASED_QUANTITY          Column 36 Value: 0
Column 37 Name  : PURCHASED_VALUE             Column 37 Value: 0
Column 38 Name  : STOCK_QUANTITY              Column 38 Value: -100
Column 39 Name  : POUCH_ID                    Column 39 Value: NULL

Total records in report = 1
*** END OF REPORT ***
```

Along with the exception details briefing the reason for the rejection by the BRDB copy process, the report also shows the contents of the corrupted or incomplete record split up into columns.

An "END OF REPORT" message will appear at the end of the report even if there are no errors reported.

End to End Reconciliation Reporting
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5.3 TPSC257 – POLSAP Incomplete Summaries Report

This report identifies all Post Office branches on a daily basis in which the net total of transactions (debits/credits) does NOT net to a value of zero.

This report also contains any branch that has had a harvester exception as on the TPSC254 report.

```
FUJITSU SERVICES TRANSACTION PROCESSING SYSTEM                          Page No: 1
POL FS INCOMPLETE SUMMARIES REPORT FOR 26-OCT-2006
(LIST OF HELD UP POL FS SUMMARIES WHERE THE TOTAL VALUE FROM BRANCH AND TRADING DATE DID NOT BALANCE TO ZERO)
Report No.: TPSC257
Produced on:   26/10/2006 20:52:54
```

Trading Date Reference Id	Group Id	Article Id Client Reference	Article Type	Trans Mode Acronym	Settlement Type	Ledger	Account	Movement Type	Account Value	Account Quantity	Account
26-OCT-2006	128006	CHF	50	RU					-1.49	+0	
26-OCT-2006	128006	CAD	50	RD					+0.02	+0	
26-OCT-2006	128006	PTCH	99			G	552001		-1099.26		
26-OCT-2006	128006	DM00000253	00						-71.78		
26-OCT-2006	128006	SA00000141	40	SC	P	C	120699		+249.35	+10	
26-OCT-2006	128006	SA00000136	40	SC	E	C	120012	251	+0.00	+5	
26-OCT-2006	128006	SA00000115	40	SC	P	C	120740		+99.21	+1	
26-OCT-2006	128006	SA00000056	40	SC	E	C	120007		+90.00	+2	
26-OCT-2006	128006	SA00000055	40	SC	E	C	120007		+66.00	+1	
26-OCT-2006	128006	SA00000053	40	SC	C	C	120184		+830.00	+5	
26-OCT-2006	128006	SA00000052	40	SC	E	C	120003		+0.00	+1	
26-OCT-2006	128006	SA00000050	40	SC	E	C	120003		+3694.78	+4	
26-OCT-2006	128006	SA00000048	40	SC	E	C	120003		+25719.42	+57	
26-OCT-2006	128006	SA00000043	40	SC	C	C	120088		+922.00	+16	
26-OCT-2006	128006	SA00000036	40	SC	C	C	120088		-456.60	+8	
26-OCT-2006	128006	SA00000035	40	SC	C	C	120184		-1916.52	+4	
26-OCT-2006	128006	SA00000031	40	SC	P	C	120008		-3750.62	+33	
26-OCT-2006	128006	SA00000013	40	SC	P	C	120748		+246.00	+15	
26-OCT-2006	128006	SA00000010	40	SC	P	C	121573		+46.80	+57	
26-OCT-2006	128006	QVBO000001	33	DDP	E	C	120012	951	-35.01	-3501	
26-OCT-2006	128006	QVBO000001	33	SC	E	C	120012	251	+114.52	+11452	
26-OCT-2006	128006	QOBO001229	13	SC	P	C	120005	251	+0.00	+22	
26-OCT-2006	128006	QOBO001226	13	SC	E	C	120012	251	+2.56	+4	
26-OCT-2006	128006	QOBO001200	13	SC	E	C	120012	251	+5.76	+8	

```
Total Number of Held Back Sub-file(s) = 1

*This is delta position for the date, not the cumulative position of POL FS Incomplete Summaries

*** End of Report ***
```

The following data is reported for each branch.

Data Attribute	Description
Trading Date	'The Calendar Date that the EOD Marker was written. EOD Marker defines the end of a Trading Day. N.B. The time the EOD Marker is written varies from Branch to Branch.
Group Id	Group Id (Branch Code without the check sum) for the branch.
Article Id	POLSAP Article All HNG-X Products will map to a POLSAP Article. This may be a dummy article to facilitate the consistent mapping of all Products. Dummy articles will be for items such as Cash in hand, cheques etc that will not map to an article in POLSAP but actually map to a GL or Agent Account instead.
Transaction Mode Id	HNG-X Mode the product was transacted in, e.g. Sell, Rem In, Revaluation, etc.
Settlement	Defines which data is used to settle with the Client P = Post Office data C = Client Data E = Estimated data This is required as there will be a different indicator used within POLSAP to differentiate these data types. (Special GL indicator). This is optional as it is only relevant to Client products and transactions that need to feed the Client ledger.
Ledger	Defines which Ledger the POLSAP account belongs in G = General Ledger C = Client Ledger (AP) A = Agents Ledger (AR) POLSAP uses three different ledgers and needs to know which ledger each account number is part of. This field is optional in the file because records that relate only to stock movements with no financial impact will not map to an account in any ledger.
Account	POLSAP account number This is the account number within the Ledger defined above. This field is optional in the file because records that relate only to stock movements with no financial impact will not map to an account in any ledger.
Movement Type	POLSAP Movement type This is only relevant for stocked products and allows different movement types such as REM in, REM out, and adjustments to be shown differently in SAP. There will be a consistent mapping between certain modes to movement types but these will only be valid for particular Articles.
Account Reference Id	Transaction Identifier (this field is needed if the information is being sent unsummarised) Controlled by reference data. [DN: This is either the LFS Pouch Identifier or Transaction Correction ID. These are mutually exclusive and can therefore be harvested into a single NEW attribute in the TPS interface table called AccountReference .]
Client Reference	Client Reference number (supplied by Client) This will only be used for the actioned Transactions Correction being passed back to POLSAP against the Client products.

An "END OF REPORT" message will appear at the end of the report even if there are no errors reported.

A   Transaction Types

The following banking and payment card transaction types are supported:

Txn Type	Description	Accounting Description	Accounting Sign	Application
3	Withdrawal (with PIN)	WITHDRAWALS	-1	NBS
4	Withdrawal with balance (with PIN)	WITHDRAWALS	-1	NBS
5	Withdraw all(with PIN)	WITHDRAWALS	-1	NBS
8	Withdrawal Correction	DEPOSITS	1	NBS
13	Withdrawal (with Signature)	WITHDRAWALS	-1	NBS
14	Withdrawal with balance (with Signature)	WITHDRAWALS	-1	NBS
15	Withdraw all (with Signature)	WITHDRAWALS	-1	NBS
22	Deposit (No verification)	DEPOSITS	1	NBS
27	NSI Cheque Deposit	DEPOSITS	1	NBS
41	Purchase (With signature)	DEPOSITS	1	DCS
42	Refund (With signature)	WITHDRAWALS	-1	DCS
43	Cash Purchase(with Signature)	DEPOSITS	1	DCS
51	ETU Purchase	DEPOSITS	1	ETS
52	ETU Refund	WITHDRAWALS	-1	ETS
62	Deposit	DEPOSITS	1	NBS
63	Withdrawal	WITHDRAWALS	-1	NBS
64	Withdrawal with balance	WITHDRAWALS	-1	NBS
65	Withdraw Limit	WITHDRAWALS	-1	NBS
67	Cheque Deposit	DEPOSITS	1	NBS
68	Withdrawal Correction ICC	DEPOSITS	1	NBS
71	Purchase	DEPOSITS	1	DCS
72	Refund	WITHDRAWALS	-1	DCS
73	Cash Purchase(with EMV)	DEPOSITS	1	DCS