Fujitsu Services	**NETWORK BANKING END TO END RECONCILIATION REPORTING**	**Ref:**	**CS/SPE/011**
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Document Title: NETWORK BANKING END TO END RECONCILIATION REPORTING

Document Type: Reconciliation Report Specification (AIS)

Release: *N/A*

Abstract: This document specifies the reconciliation report output to satisfy the end to end reconciliation of the Network Banking Stream

Document Status: APPROVED *(delete appropriate status)*

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0.0 Document Control

0.1 Document History

Version No.	Date	Reason for Issue	Associated CP/PinICL
0.1	06/06/01	First draft for review	
0.2	20/06/01	Second draft for review following POL discussion workshop and other comments from reviewers.	
0.3	02/08/01	Third draft for review following POL discussion workshop and other comments from reviewers.	
0.4	27/09/01	Fourth draft for review following POL discussion workshop and other comments from reviewers.	
0.5	03/12/01	Fifth draft for review following POL discussion workshop and other comments from reviewers.	
1.0	19/12/01	REMOVED FROM APPROVAL CYCLE	
1.1	08/01/02	REMOVED FROM REVIEW CYCLE	
2.0	16/01/02	REMOVED FROM APPROVAL CYCLE	
2.1	22/01/02	Sixth draft for review following amendments incorporated as a result of IBM interface changes and late POL comments received against Version 1.0 (now removed)	CR27
2.2	27/02/02	Seventh draft for review following amendments as a result of two workshops between Fujitsu Services Pathway and POL on 6&7 February, and 20/21 February 2002 and informal comments received from Fujitsu Services Pathway.	
3.0	21/03/02	Eighth draft for approval following review comments	
3.1	12/07/02	Draft for review following: • Correction of typos • Inclusion of 3 definitions outstanding from V3.0	
4.0	29/07/02	Final Version for approval PO comments: Marion Dale added to reviewers Fujitsu Services comments: • Tony Drahota to approval authority	

		• Change of date format within 'Receipt Time' on NB102 sections from hhmmss to hh:mm:ss (cosmetic change to report only – not requiring review) • ICL replaced with Fujitsu Services throughout	
4.1	01/11/02	Draft for review Changes are highlighted.	CP 3348
5.0	09/12/02	Comments responded to with out the need for any changes	

0.2   Review Details

Review Comments by :	22/11/02
Review Comments to :	John Moran, Richard Hicks

Mandatory Review Authority	Name
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(*) = Reviewers that returned comments

0.3   Associated Documents

Reference	Version	Date	Title	Source

PA/TEM/001	7.0	2nd April 2002	Fujitsu Services Document Template	PVCS
NB/SPE/002			Network Banking DRS On-line Workstation Specification	Fujitsu Services Pathway PVCS
NB/IFS/008			Network Banking Engine NBE – Horizon Application Interface Specification	Fujitsu Services Pathway PVCS
NB/PRO/002			Network Banking Reconciliation & Incident Management	Fujitsu Services Pathway PVCS

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

0.4   Abbreviations/Definitions

Abbreviation	Definition
Authorised Client Transaction Awaiting Confirmation	This signifies projected settlement awaiting the Confirmed Client Transaction. From a system perspective, an 'S' transaction – *Not applicable to Network Banking Reports.*
Bank_Transaction_Id	Message sequence number assigned by the message originator (except Horizon), to assist in identifying a transaction uniquely. Stays unchanged through the life of the transaction.
C4 Processing Date	The System Processing Date on which the 'C4' was received by the DRS. Where a C4 is included on report NB101, the C4 Processing Date is the same as the Run Date for report NB101.
C4 Settlement Date	The Settlement Date provided on the C4 transaction.
Confirmed Client Transaction	From a 'Client' perspective, a transaction that has been authorised to either debit or credit an account. From a system perspective, a 'C4' transaction.
Counter Confirmations	From an outlet / POL perspective, a successfully completed transaction at the counter. From a system perspective, a 'C12' transaction.
Exceptioned Client Transaction	From a Client perspective, a transaction reconciliation difference highlighted within the NBE and notified to Horizon. From a system perspective, a 'D' transaction.
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 have been exceptioned, i.e. C12

	• (amount) not = to C4 (amount) etc. • NBE / DRS corruption's
Horizon_Txn_Num	Unique transaction number to be used in all messages between Horizon and the NBE relating to the transaction. Generated by Horizon 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.
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 POL 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. For Network Banking, this refers to the Routing_Gateway as defined in Network Banking Engine NBE - Horizon Application Interface Specification (NB/IFS/008)
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.
TIP Transactions	From an outlet / POL perspective, a transaction that has been sent

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	from TPS to POL TIP. From a system perspective, a 'C112' transaction.
CAP	Cash Account Period
CBDB	Counters Business Data Base (POL)
CS	Customer Service (Fujitsu Services Pathway)
DRS	Data Reconciliation Service
EFTPOS	Electronic Funds Transfer at Point Of Sale
EPOSS	Electronic Point Of Sale Service
MSU	Management Support Unit (Fujitsu Services Pathway)
POL	Post Office Limited
TIP	Transaction Information Processing (POL)
TPS	Transaction Processing Service

0.5 Changes in this Version

Version	Changes
5.0	No changes from reviewed document version 4.1. Document for approval

0.6 Changes Expected

Changes
No further change expected

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0.7   Table of Contents

1.0 Introduction

This document has been compiled to specify all Fujitsu Services Pathway outputs from the Data Reconciliation Service (DRS) to enable a generic end to end reconciliation of Network Banking transaction processing.

2.0 Scope

This document defines the format and content of all reconciliation reports, which satisfy the Network Banking reconciliation requirement. It does not attempt to define within the operating systems, including the Network Banking Engine, (NBE) how the transactions are processed.

The following Network Banking requirements are satisfied by this document:
- Reconciliation: [NBR0040], [NBR0042], [NBR0183], [NBR0212], [NBR0227], [NBR0229], [NBR0278], [NBR0294], [NBR0389].
- Settlement: [NBR0230], [NBR0456].
- Error Resolution: [NBR0260]

It is assumed that each of the POL clients, as dictated by Routing_Gateway (assumed to be at this point the Banks / LINK) 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	
NB103	Y	Y

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.

Balance Enquiries and PIN changes are explicitly excluded from the report set as 'Not Required by POL'

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

2.1 Reconciliation Reports Specified

- NB000: DRS Summary
- NB101: Network Banking Settlement Statement
- NB102: Exception Summary
- NB103: Settled Transaction / Cash Account Reconciliation Statement

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.

This document does not attempt to define the business processes undertaken within Fujitsu Services Pathway and POL 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:

- NB/SPE/002: Network Banking DRS On-line Workstation Specification
- NB/PRO/002: Network Banking Reconciliation & Incident Management

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.

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3.0   General Report Specifications

A separate set of reports is produced for each POL client as identified by the Routing_Gateway. (LINK 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 brackets 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 Pathway report number
    - Fujitsu Services Pathway 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, NB102 will be produced **DAILY**, NB103 will be produced **WEEKLY** after Friday's and prior to Saturdays TPS processing schedule. They will be delivered by 08.00hrs the day following the Run Date to:
    - POL / TIP gateway: The Host writes the reports to a directory. These are picked up by FTMS and posted to the TIP gateway. *(As per other Host to external systems applications)*
    - Fujitsu Services Pathway CS / MSU, DRS Workstation.

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, i.e. C12 (amount) not = to C4 (amount) etc.
    - NBE / DRS corruption's

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 & 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'

3.1   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.

3.1.1   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].

4. 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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3.1.1.1   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

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3.1.1.2   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. NBS 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', for NB103, it will be 'DEP' for deposits, or 'WDR' for withdrawal. • 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].

3.2   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 POL as a basis for settlement of Network Banking transactions with the Financial Institutions.

3.2.1   NB101: Rules

1. NB101 is run daily
2. NB101 is repeated for each Routing_Gateway
3. NB101 will show 'C4' transactions received from the NBE 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.

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3.2.1.1   NB101: Report Layout

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

	Receipts		Payments		Net Settlement	
C4 Settlement Date	**Volume**	**Value**	**Volume**	**Value**	**Volume**	**Value**
1. 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
2. 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
3. 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
4. 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
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

3.2.1.2 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	
C4 Settlement Date	Volume	Value	Volume	Value	Volume	Value
1. 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
2. Date 2	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
3. Date 3	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
4. Date 4	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
TOTAL	Total All Lines	Total All Lines	Total All Lines	Total All Lines	Total All Lines	Total All Lines

End of Report

3.3 NB102: Exception Summary

This report is divided into twelve sections:

- Section 1: All Uncleared Confirmed, Unconfirmed & TIP exceptions
- Section 2: Uncleared Exceptioned Client Transactions
- Section 3: Uncleared corruption's
- Section 4: Uncleared Timing Differences
- Section 5: Uncleared Confirmed, Unconfirmed & TIP exceptions >24 hours
- Section 6: Uncleared Future Dated Transactions by Client
- Section 7: All Cleared Confirmed, Unconfirmed & TIP exceptions
- Section 8: Cleared Exceptioned Client Transactions
- Section 9: Cleared corruption's
- Section 10: Cleared Timing Differences
- Section 11: Cleared Confirmed, Unconfirmed & TIP 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 report the Cash Account period obtained from the 'C112' transaction element. Where no 'C112' transaction element has been received, the '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 and be populated with the following codes:
   (NB: For a list of Discrepancy Reason Codes for Network Banking, refer to NB/IFS/008: NBE - Horizon Application Interface Specification)
   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 Pathway, 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 previously reported state regardless of any change of state which may have occurred within the DRS.

7. All Uncleared Confirmed, Unconfirmed & TIP 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 NBE/ DRS corruption's exceptions are listed individually - (NB102 section 3)

10. Uncleared Timing Differences are listed individually – (NB102 section 4)

11. Uncleared Confirmed, Unconfirmed & TIP 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)

13. All Cleared Confirmed, Unconfirmed & TIP exceptions are reported as summary totals by exception type - (NBE102 section 7)

14. Cleared Exceptioned Client Transactions are listed individually – (NB102 section 8)

15. Cleared NBE / DRS corruption's are listed individually – (NB102 section 9)

16. Cleared Timing differences are listed individually – (NB102 section 10)

17. Cleared Confirmed, Unconfirmed & TIP 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, POL may wish to clear the exception manually. In this case, Fujitsu Services Pathway will set the transaction to 'F99'.

21. For reporting purposes, within NB102 sections 2, 3, 4, 5, 8, 9, 10,11, the column headed 'Transaction Type' will be populated by the following codes:
    - 03 – Withdrawal (With PIN)
    - 04 – Withdrawal with balance (With PIN)
    - 05 – Withdraw all (With PIN)
    - 13 – Withdrawal (With signature)

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- 14 – Withdrawal with balance (With signature)
- 15 – Withdraw all (With signature)
- 2 – Deposit (No verification)

22. For Network Banking 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 & TIP exceptions

3.3.1.1.1   NB102: Section 1 - Report Layout

NB102 Section 1: All Uncleared Confirmed, Unconfirmed & TIP exceptions	Client: Barclays etc	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

3.3.1.1.2   NB102: Section 1 - Data Definition

NB102 Section 1: All Uncleared Confirmed, Unconfirmed & TIP 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 and 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	

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3.3.1.2   NB102: Section 2: Uncleared Exceptioned Client Transactions

3.3.1.2.1   NB102: Section 2 – Report Layout

NB102 Section 2: Uncleared Exceptioned Client Transactions	**Client:** Barclays etc	**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	Num (2)	Code (99)	9999999999.99
E13	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
State 12	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
E13	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 2									9999999999.99

End of Report

Fujitsu Services　　　　**NETWORK BANKING END TO END**　　　**Ref:**　　　**CS/SPE/011**
　　　　　　　　　　　　　　RECONCILIATION REPORTING

　　　　　　　　　　　　　　　　　　　　　　　　　　Version:　　**5.0**

　　　　　　　　　　　　　COMMERCIAL IN CONFIDENCE　　　**Date:**　　**29/12/02**

3.3.1.2.2　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	From C112	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

Fujitsu Services   **NETWORK BANKING END TO END**   **Ref:**   **CS/SPE/011**
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COMMERCIAL IN CONFIDENCE   **Date:**   **29/12/02**

3.3.1.3   NB102: Section 3: Uncleared Corruption's

3.3.1.3.1   NB102: Section 3 – Report Layout

NB102 Section 3: Uncleared Corruption's	Client: Barclays etc	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	Num (2)	Code (99)	9999999999.99
E29	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
E31	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
E31	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 3									9999999999.99

End of Report

3.3.1.3.2 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	From C112	Discrepancy_Reason_Codes	Value of each transaction component
	System State: E27 –31 Received = New + Old Reconciliation date: < = Run Date							

End of Report

Fujitsu Services	NETWORK BANKING END TO END RECONCILIATION REPORTING	Ref:	CS/SPE/011
		Version:	5.0
	COMMERCIAL IN CONFIDENCE	Date:	29/12/02

3.3.1.4 NB102: Section 4: Uncleared Timing Differences

3.3.1.4.1 NB102: Section 4 - Report Layout

NB102 Section 4: Uncleared Timing Differences	Client: Barclays etc	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	Num (2)	Code (99)	9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 4									9999999999.99

End of Report

3.3.1.4.2 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	From C112	Discrepancy_Reason_Codes	Value of each transaction component
	System State: E39 Received = New + Old Reconciliation date: < = Run Date							

End of Report

3.3.1.5   NB102: Section 5: Uncleared Confirmed, Unconfirmed & TIP exceptions >24 hours

3.3.1.5.1   NB102: Section 5 – Report Layout

NB102 Section 5: Uncleared Confirmed, Unconfirmed & TIP exceptions >24 hours	Client: Barclays etc	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	Num (2)	Code (99)	9999999999.99
State 2	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
State 6	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	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	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 5									9999999999.99

End of Report

Fujitsu Services   **NETWORK BANKING END TO END**   **Ref:**   **CS/SPE/011**
                            RECONCILIATION REPORTING

                                              Version: **5.0**

                   COMMERCIAL IN CONFIDENCE   **Date:**   **29/12/02**

3.3.1.5.2 NB102: Section 5 – Data Definition

NB102 Section 5: Uncleared Confirmed, Unconfirmed & TIP 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 outlet must have harvested (TPS) successfully. Should an outlet be confirmed as non-polling, **system states 2 &18** for that outlet 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	From C112	Discrepancy_Reason_Codes	Value of each transaction component
	System State: 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 Received = Old Reconciliation date: < Run Date (i.e. where transaction components have remained in the above incomplete states for >24 hours)							

End of Report

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

3.3.1.6.1   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)
Barclays	dd/mm/yyyy	99999999	9999999999.99
Lloyds	dd/mm/yyyy	99999999	9999999999.99
Total Section 11		9999999999	9999999999.99

End of Report

3.3.1.6.2   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

3.3.1.7   NB102: Section 7: All Cleared Confirmed, Unconfirmed & TIP exceptions

3.3.1.7.1   NB102: Section 7 – Report Layout

NB102 Section 7: All Cleared Confirmed, Unconfirmed & TIP exceptions	Client: Barclays etc	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

3.3.1.7.2   NB102: Section 7 - Data Definition

NB102 Section 7: All Cleared Confirmed, Unconfirmed & TIP 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 and 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

3.3.1.8   NB102: Section 8: Cleared Exceptioned Client Transactions

3.3.1.8.1   NB102: Section 8 – Report Layout

NB102 Section 8: Cleared Exceptioned Client Transactions	Client: Barclays etc	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	Num (2)	Code (99)	9999999999.99
E13	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
State 12	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
E13	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 8									9999999999.99

End of Report

3.3.1.8.2   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_Transaction_Id	Receipt_Transaction_Date	Receipt_Transaction_Time	From C112	Discrepancy_Reason_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

3.3.1.9 NB102: Section 9: Cleared Corruption's

3.3.1.9.1 NB102: Section 9 – Report Layout

NB102 Section 9: Cleared Corruption's	Client: Barclays etc	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	Num (2)	Code (99)	9999999999.99
E29	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
State 31	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
E31	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 9									9999999999.99

End of Report

3.3.1.9.2   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_Transacti on_Date	Receipt_Transacti on_Time	From C112	Discrepancy_Reas on_Codes	Value of each transaction component
	For last reported System States: E27 –31 Set to F99: New Reconciliation Date: <= Run Date							

End of Report

Fujitsu Services   **NETWORK BANKING END TO END RECONCILIATION REPORTING**   **Ref:**   **CS/SPE/011**

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3.3.1.10   NB102: Section 10: Cleared Timing Differences

3.3.1.10.1   NB102: Section 10 - Report Layout

NB102 Section 10: Cleared Timing Differences	Client: Barclays etc	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	Num (2)	Code (99)	9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
E39	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 10									9999999999.99

End of Report

3.3.1.10.2 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	From C112	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

Fujitsu Services   **NETWORK BANKING END TO END**   **Ref:**   **CS/SPE/011**
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COMMERCIAL IN CONFIDENCE   **Date:**   **29/12/02**

3.3.1.11   NB102: Section 11: Cleared Confirmed, Unconfirmed & TIP exceptions > 24 hours

3.3.1.11.1 NB102: Section 11 – Report Layout

NB102 Section 11: Cleared Confirmed, Unconfirmed & TIP exceptions > 24 hours	Client: Barclays etc	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	Num (2)	Code (99)	9999999999.99
State 2	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	Code (99)	9999999999.99
State 6	dd/mm/yyyy	Char (32)	Code (99)	Char (6)	dd/mm/yyyy	hh:mm:ss	Num (2)	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	Num (2)	Code (99)	9999999999.99
Sub Total									9999999999.99
Total Section 11									9999999999.99

End of Report

Fujitsu Services	**NETWORK BANKING END TO END RECONCILIATION REPORTING**	**Ref:**	**CS/SPE/011**
		Version:	**5.0**
	COMMERCIAL IN CONFIDENCE	**Date:**	**29/12/02**

3.3.1.11.2 NB102: Section 11 – Data Definition

NB102 Section 11: Cleared Confirmed, Unconfirmed & TIP 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 outlet must have harvested (TPS) successfully. Should an outlet be confirmed as non-polling, **system state 2 & 18** for that outlet 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	From C112	Discrepancy_Reason_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

Fujitsu Services	NETWORK BANKING END TO END RECONCILIATION REPORTING	Ref:	CS/SPE/011
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	COMMERCIAL IN CONFIDENCE	Date:	29/12/02

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

3.3.1.12.1   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)
Barclays	dd/mm/yyyy	99999999	9999999999.99
Lloyds	dd/mm/yyyy	99999999	9999999999.99
Total Section 11		9999999999	9999999999.99

End of Report

3.3.1.12.2 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

3.3.1.13   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 Network Banking report set

3.3.1.14   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   NB103: Settled transaction / Cash Account Reconciliation Statement

This report allows POL to reconcile the settlement stream against the Outlet Cash Account stream. This reconciliation is required as settlement with the individual POL clients is based upon the 'C4 Processing Date'. To complete a full reconciliation, it is important to know which Cash Account the settled transaction was posted to, to enable a reconciliation of settlement to be made with the outlet records. This report reconciles the transactions by 'C4 Processing Date' and Cash Account record.

3.4.1   NB103: Rules

1. NB103 is run weekly: In order to align with internal POL / TIP processing it is required that this report is produced **AFTER** TPS and NB101 processing on Friday and **BEFORE** TPS processing on Saturday. The report should include all 'C4' transaction values where:

- 'C4 Processing Date' = run date and,
- 'C4 Processing Date' = run date minus'N' (where 'N' = 1 to 13).

2. Where a C112 is available and the CAP is known, the 'C4' transaction value will be posted against the appropriate CBDB CAP column
3. Where a C112 is available and the CAP is known, but there is no C4, it will not be reflected in the report because this report includes C4 transaction values only.
4. Where no C112 is available and therefore the CAP is unknown:
   - the 'C4' transaction value should be posted to 'No Cash Account Allocated'
   - then, when the C112 becomes available, the entry should be deleted from 'No Cash Account Allocated' and posted to the appropriate CBDB CAP column
   - if no C112 has been received after 14 days, **the entry within 'No Cash Account Allocated' should remain until the C112 becomes available even if this exceeds 14 days**
5. If a transaction is posted to the row 'No C/A to TIP' (according to rule 2 and 3 above:

- the transaction should remain in this row until the Cash Account has been delivered to TIP and then move up into the row 'C/A to TIP'
   - if no Cash Account has been delivered to TIP after 14 days, **the entry within 'No C/A to TIP' should remain until the Cash Account is delivered to TIP even if this exceeds 14 days**
6. As the report is run each week, the transactions should move across the report according to the CAP and the reconciliation date; for example, a transaction posted to CBDB>=plus 2 in the first week, will move to CBDB plus 1 the second week and then appear in CBDB the third week, until disappearing off the report after 14 days

7. Where the columns headed 'CAPXX' are referred to, the actual report produced with show the actual CAP number, for example CBDB CAP 40 is quoted, the column 'CAPXX<=-2' will show 'CAP40<=-2'

8. NB103 reports on **VALUE** only

9. A separate report NB103 will be produced for both Deposit and Withdrawal transactions derived from 'Txn_type'

10. Five CAP's will be shown, the 'CBDB', the 'CBDB' minus 1, the 'CBDB' <= minus 2, the 'CBDB' plus 1 and the 'CBDB' >=plus 2. In addition, those settled transactions which currently have not been allocated a Cash Account will be shown.

11. The 'CBDB' Cash Account period (CAP) equates to **TWO** CAP's prior to the CAP applicable to the run date of the report. For example: If the report was run on Saturday 20th January within CAP42 (*CAP 42 commenced on Thursday 17th January*), the 'CBDB' CAP would be CAP40 (*CAP40 commenced Thursday 3rd January, ended Wednesday 9th January*)

12. Where the CAP in which the Outlet is trading is <u>numerically</u> more than 2 weeks prior to the 'CBDB' CAP, if this takes the Outlet CAP into the previous year, this will be reported as such. For example: The 'CBDB' CAP is CAP 1 and the Outlet is trading in CAP 51, this is assumed to be CAP 51 of the <u>previous</u> year, (*therefore 'CBDB' <=minus 2*) and <u>not reported ahead</u> in the current year.

13. The C4 processing dates will be shown in reverse chronological order.

14. For a given C4 Processing Date, the sum of the two Total values (for the two rows C/A to TIP and No C/A to TIP) should be equal to the Total corresponding Receipts or Payments value on report NB101 for the same Run Date.

3.4.1.1   NB103: Report Layout

NB103: Settled Transaction / Cash Account Reconciliation Statement	Client:	Barclays etc	Produced on: dd/mm/yyyy at hh:mm:ss
Run Date: dd/mm/yyyy	Transaction Type:	Deposits etc	Currency: GBP

C4 Processing Date		CAP 'XX' < = - 2	CAP 'XX' -1	CBDB CAP 'XX'	CAP 'XX' +1	CAP 'XX' >= +2	No Cash Account Allocated	Total Value
		(Column 2)	(Column 3)	(Column 4)	(Column 5)	(Column 6)	(Column 7)	(Column 8)
dd/mm/yyyy	C/A to TIP	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99
	No C/A to TIP	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99
dd/mm/yyyy	C/A to TIP	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99
	No C/A to TIP	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99
dd/mm/yyyy	C/A to TIP	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99
	No C/A to TIP	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99
dd/mm/yyyy	C/A to TIP	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99
	No C/A to TIP	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99	9999999999.99

End of Report

Fujitsu Services	NETWORK BANKING END TO END RECONCILIATION REPORTING	Ref:	CS/SPE/11
		Version:	5.0
	Commercial in confidence	Date:	11-DEC-2002

3.4.1.2   NB103: Data Definition

NB103: Settled Transaction / Cash Account Reconciliation Statement	Client: (Derived from Routing_Gateway)	Produced on: (Date and time of production)
Run Date: (The period for which the report refers – post Friday pre Saturday TPS processing)	**Transaction Type**: (Derived from Txn_Type)	**Currency:** (Derived from 'currency')

C4 Processing Date (The Run Date of NB101 that included the C4)		CAP 'XX' < = - 2 (Column 2)	CAP 'XX' -1 (Column 3)	CBDB CAP 'XX' (Column 4)	CAP 'XX' +1 (Column 5)	CAP 'XX' >= +2 (Column 6)	No Cash Account Allocated (Column 7)	Total Value (Column 8)
dd/mm/yyyy	C/A to TIP	Total value of all settled transactions (C4) where the Cash Account **has** been delivered to POL / TIP, according to C4 processing date to allocate rows and using the CAP available from the C112 component to allocate the appropriate column. Where no C112 transaction component is present, use the 'No Cash Account Allocated' column. **All C4 values** Use C4 processing date for 14 days prior to Run Date of the report, and where C4 transactions are still being shown against 'No Cash Account Allocated' or 'No C/A Delivered to TIP' show these days in addition.						Sum Columns 2, 3, 4, 5, 6, 7 for this C4 processing date
dd/mm/yyyy	No C/A to TIP	Total value of all settled transactions (C4) where the Cash Account **has not** been delivered to POL / TIP, according to C4 processing date to allocate rows and using the CAP available from the C112 component to allocate the appropriate column. Where no C112 transaction component is present, use the 'No Cash Account Allocated' column. **All C4 values** Use C4 processing date for 14 days prior to Run Date of the report, and where C4 transactions are still being shown against 'No Cash Account Allocated' or 'No C/A Delivered to TIP' show these days in addition.						Sum Columns 2, 3, 4, 5, 6, 7 for this C4 processing date

End of Report

Fujitsu Services   **NETWORK BANKING END TO END RECONCILIATION REPORTING**   **Ref:**   **CS/SPE/11**

Version: **5.0**

Commercial in confidence   **Date:**   **11-DEC-2002**

4.0 System States

	State	Conf Agent	NBE	TPS	\<When valid, go to State\> C112	C12	C4	D	S	Amount:Action	Amount:Action	Amount:Action	Settlement Date:Action	MSU Action Set state to
	Pre-validation				\<When\> C112	C12	C4	D	S					
	On Incomplete/Corrupt error go to:				E27	E28	E29	E30	E31					
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
	Exception states													
	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	-	-	-	-	-