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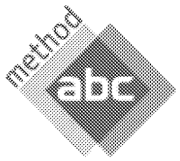

IMPACT PROGRAMME
HORIZON TO MI (S70)
APPLICATION INTERFACE SPECIFICATION

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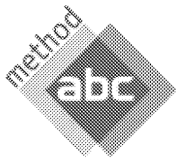

Document Control

Authorisations

Role	Name	Signed	Date
Programme Manager	**Tony Brain**		

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Name Reviewer(s)	Role & Review Responsibilities
Torstein Godeseth	PO Ltd Design Authority
Peter Jones	PO Ltd Test Manager
Jacqui Cave	PO Ltd Test Team
Neil Fagan	PO Ltd MI Design Authority

Distribution List

Name	Organisation
Jill Hollindale (for Prism distribution)	Prism IMPACT Programme Office
Debbie Shirley (for PO Ltd distribution)	Post Office Ltd IMPACT Programme Office

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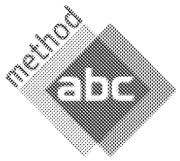

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1. Change Control

1.1 Change Process

Any changes to the draft version of this document will be made, controlled and distributed by:

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1.2 Change history

This original document, 'Various to MI Final version 3.0' includes several interfaces of which this (CBDB) has not been baselined.

Issue	Author	Date	History
0.1 (draft)	Rob Bradshaw	13th October 2003	Baseline release for PO Ltd and supplier review
0.2 (draft)	William Eyre	27/01/04	CBDB interface enhanced; Branch Sales Targets interface enhanced; ES FS interface enhanced
0.3 (draft)	William Eyre	28/01/04	Incorporates corrections arising from review comments
0.4 (draft)	William Eyre	03/02/04	Incorporates corrections arising from review comments
0.5 (draft)	William Eyre	06/02/04	Incorporates corrections to ESFS to MI interface and CBDB to MI interface, arising from review comments
1	William Eyre	06/02/04	First internally approved version; incorporates correction to Branch Sales Targets interface and clarification of delivery mechanism for the ESFS, CBDB and Branch Sales Targets interfaces.
2	William Eyre	15/04/04	Slight change to layout of ESFS to MI interface file
3	William Eyre	27/04/04	More meaningful wording incorporated into ESFS interface; cost centres representing amalgamations of agent owned branches excluded
4	Rob Bradshaw	09/06/04	Split out from 'Various to MI AIS' for review and baseline with no change to the data formats or structure from original version.

Table 1 Change History

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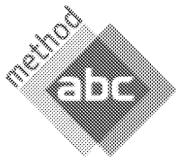

2. Introduction

2.1 Purpose

The seminal purpose of this interface is to capture Horizon sales transactions, for sales and performance reporting. Horizon data is currently extracted from the FTMS interface, operated by Fujitsu Services Ltd (FSL), The extract occurs once data attribute validation has completed by the OpTIP system when file extensions are renamed to 'TPB.' During R1, the data attribute validation will continue however once Op TIP is decommissioned under E2E, the integrity of file attributes is no longer checked and the working assumption is source data accuracy transfers to Fujitsu Services Ltd.

It is assumed there is no change to the interface, MI will extract from FTMS as per existing arrangements until OpTIP de-commission.

2.2 Scope

The scope of this document is restricted to electronic data, which is both computer-generated and computer-consumed and relates specifically to the transfer of data from a gateway server to the POL central MI system. It excludes data directly created from personal computers, transferred to the central MI system.

2.3 Terms & Abbreviations

Term or Abbreviation	Meaning
AIS	Application Interface Specification
CTT	Commercial Transaction Type (a product grouping number)
FAD	Financial Accounting Description – a code which identifies the PO branch
FTP	File Transfer Protocol
IMPACT	Improved Accounting programme, a PO Ltd initiative to rationalise back-end systems and processes.
IP	Internet Protocol, a mechanism for identifying a networked computer
MI(S)	Management Information (Systems)
POL	Post Office Limited

Table 2 Terms and abbreviations

2.4 Field Formats

SYMBOL	MEANING
9	Numeric digit
X	Alphanumeric character
-	Floating minus sign
Y	Digit of year
M	Digit of month
D	Digit of day
.	Explicit decimal point

Table 3 Field formats

2.5 Reference Documentation

Ref	Title	Version	Date
A	Network Banking FI/MI Delivery Technical Design Document	Final 2.0	30/1/2003
B	IMPACT Project Conceptual Design – Management Information	Final 1.1	16/10/2003
C	IMPACT Technical Interface Matrix	V14	06/05/04

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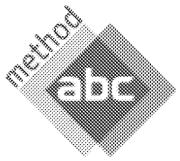

Table 4 Reference documentation

2.6 Contacts

Organisation	Name	Contact
PO Ltd	*PO Ltd Design Authority* **Torstein Godeseth** **Alan Holbrook** **Neil Fagan** *Programme Supplier Management* **Mark Lodge** **Debbie Shirley** (PCO) *Operations*	GRO
Fujitsu Services Ltd	*IMPACT Programme* **Nial Finnegan** FSL Design Authority	GRO
Prism Alliance	*IMPACT Programme* **Denise Wilkinson** (MI/NRDS Project Manager) **Martin Cox** (Test Manager) **Dave Adams** (Test Leader NRDS/MI)	GRO
Parity	**Nick Jones** (MI & NRDS Project Manager)	GRO

Table 5 Contacts and contributors

2.7 Audience

- PO Ltd IMPACT Programme Design Authority and Test Team
- Prism Alliance
- Parity systems

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3. Interface Details

3.1 Interface diagram

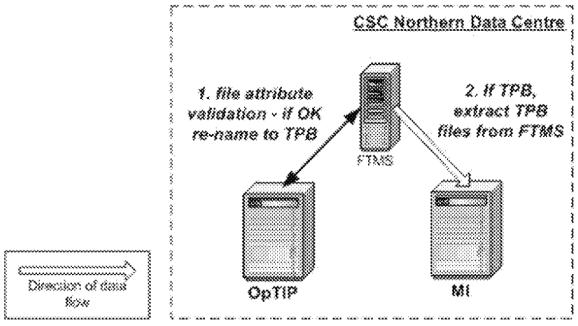

Figure 1 Horizon to MI data transfer

3.2 Data Overview

Data is passed as ASCII in fixed length format. The Horizon extract from Fujitsu appears as 129 files each day corresponding to:

64 Cash Account files
64 Transactional files
1 Client transmission file

Cash Account file
The attributes within the Cash Account file are shown below and include a line of sample data. Refer to Reference B, section 3.5.2.2 for further information. It includes a header and the trailer file includes the trailer file identifier, date, time, total number of sub files and a total value figure.

Cash Account file								
Record type identifier	Org unit	Version of org unit	Cash account week no.	Cash account line no.	Amount			
CAC	756	9	24	0297	+101104.75			

The cash account file can also includes stock holding detail (i.e. stock liability). This appears as additional data on the cash account file and is detailed below (refer to Reference B section 3.5.2.4):

Cash Account file (including stock detail)								
Record type identifier	Org unit	Version of org unit	Cash account week no.	Item ID	Version number of item	Holdings date	Quantity	Value
STX	756	9	24	19	41	20030910	2913	815.64

Client Transmission file
There is one client transmission file for all outlets each day.

Client Transmission file								
Record type identifier	Client ID code	Version no of client ID code	Item ID	Version no. of Item	Client trading date	Total no. of transactions	Total value of transactions	
CLT	22348	5	2574	21	20030910	155	+1920.56	

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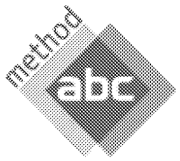

Transaction file

The attributes within the Horizon transactional file are shown below and include a line of sample data. Refer to Reference B, section 3.5.1.2 for further information.

Horizon Transaction file								
Record type identifier	Org unit	Version of org unit	stock unit ID	Session seq. no.	Transaction seq. no.	Till ID	Employee ID	Date of transaction
OTX	723	9	AA	718391	24	1	DWO001	20020403
Date of transaction	End time of transaction	Cash account week no	Cash account day no.	Stock unit balance period	Method of data capture	Reversal indicator	Refund flag	Fall back mode flag
0950595	0950596	1	00	1	1	0	N	N
Item ID	Version no. of item transaction code	Amount	Quantity					
1	15	1	+14.50					

The trailer file includes the trailer file identifier, date, time, total number of sub files and a total value figure. Sales transactions from outlets are in the form of files according to the transaction type. Low level sales transactions, extracted from FSL, to support performance actuals and sales reporting

3.3 File Structure Overview

See Appendix A.

3.4 File Format

The format of the Horizon files are all fixed width. There may be changes to the data fields relating to the Cash Account, as a result of de-commissioning of CBDB. It is assumed there will still be a requirement for an 'accounting period' and minor changes may occur. In the event this manifests as change to the data file format, this will need to be addressed within MI.

3.6 Delivery Details

Access to the FTMS interface is already provided by FSL, where data is extracted from Op TIP, post file attribute validation. Migration to FTMS will fall within the scope of the E2E migration plan.

3.7 Volumes anticipated

15 million customer transactions, corresponds to 2 Gigabytes (peak), daily (except Sunday where large percentage of outlets are closed).

64 Cash Account files: 25 Megabytes/day
64 Transactional files: 2 Gigabytes/day
1 Client file: 85-100 Kilobytes/day

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3.8 Interface availability

Overnight, available for extraction from the FTMS server by 0300 (latest time).
The data is put onto the FTMS interface under SLA by FSL. The FTMS interface is used to support data transfer from the FSL to the PO Ltd domains and is available on a 24x7 basis.

From System	To System	Type	Frequ-ency	Day	Time Window	Description of Data
Pathway	OPTIP	FTP (IN)	Daily	M T W T F S S	20:00 – 03:00	Transaction data, Cash Accounts, Client Transmission Summary

3.9 Fallback & Exception processing

It is assumed there will be no change to the current arrangement for data extraction.

3.10 Interface Security

There is no change to the current FTP security arrangements. FSL provide the FTP account and access detail.

3.11 Extract Rules:

The current processes require no planned change to the mechanism for extracting the transactional data.
It is assumed the current ETL processes require no planned change.

3.13 Issues

Issue no.	Issue description	Action	Owner
1.	The key issue is the file attribute-level validation, currently performed by Op TIP, which is moving into the FSL domain. There is no detail at present as to what is proposed as a replacement and hence the impact on data support cannot be assessed. At risk is the quality and accuracy of data and the detailed business processes surrounding the validation.	POL Design Authority	POL Design Authority

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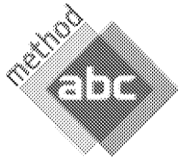

4. Appendix A File structure extract - overview

The start of the Horizon file looks like this:

```
TFHTMSTX      50W_09309520020403205438NOR
SFH     599     19OTRAN   120020403205438
OTX     599     19AA 772081  2 1SIN001      2002040214380041438006 200  1 10NN      1     11     19    +3.56   1
OTX     599     19AA 772081  3 1SIN001      2002040214380091438011 200  1 10NN    222      1     19    +3.56   1
OTX     599     19          1SIN001      20020402     1439490             931           20
OTX     599     19          1          20020403     1900400             923           20
SFT     599     1920020403205438    4       +7.12
SFH     723     9OTRAN   220020403205438
OTX     723     9          1DWO001      20020403     0847450             930           20
OTX     723     9AA 718091  2 1DWO001      20020403090054209005 45 100  1 10NN     19     12      1    +2.70  10
OTX     723     9AA 718091  3 1DWO001      20020403090055909005 60 100  1 10NN      1     15      1    +2.70   1
OTX     723     9AA 718131  2 1DWO001      20020403090625909063 64 100  1 10NN    255     12      1   +250.00   1
OTX     723     9AA 718131  3 1DWO001      20020403090640209064 03 100  1 10NN      1     15      1   +250.00   1
OTX     723     9AA 718171  7 1DWO001      20020403091537909153 79 100  1 00NN   2947     14      1    +71.05   1    1264
50170455618660551700 5
OTX     723     9AA 718171  8 1DWO001      20020403091603009160 32 100  1 10NN      2     10      1    +71.05   1
OTX     723     9AA 718271  2 1DWO001      20020403093039109304 95 100  1 00NN    184      7      1    +85.48   141Y
```

And the end of the file looks like this:

```
OTX    23364     2106 482061  3 2DBI002      2002040318271281827129 200  1 10NN    145      1     17    +43.03   1
OTX    23364     2106 482141  4 2DBI002      2002040318284071828423 200  1 10NN    223      7     15     +5.00   1
OTX    23364     2106 482141  5 2DBI002      2002040318284351828436 200  1 10NN      1      6     15     -5.00   1
OTX    23364     21          1MSM001      20020403     1828490 1    1        919           20          02
OTX    23364     2106 482381  2 2DBI002      2002040318293791829380 200  1 10NN      1     11     17     +5.00   1
OTX    23364     2106 482381  3 2DBI002      2002040318293811829382 200  1 10NN    145      1     17     +5.00   1
OTX    23364     21          1MSM001      20020403     1829420             931           20
OTX    23364     21          1          20020403     1830510             923           20
SFT    23364     2120020403205736 1059    +136353.04
TFT20020403205737   224   +7613561.17
```