STIP Balance File Format

Contents

Introduction

This document describes requirements for files with data about contract balances loaded to WAY4 and used during authorisation when the CBS is unavailable.

Chapter 1. File Format

Files with balance data are in ASCII text format.

The default file name mask is CBGB*.txt.

A file consists of rows. The combination of characters <CR><LF> is used as a delimiter. Each row in the file contains one message. A file contains the following types of message: file header, file trailer, and message with data. File structure: file header, rows with data, file trailer.

Field format:

- **n** – numeric field containing only integers, right-justified and zero-padded to the indicated length to the left.

- **an** – character field that may contain any printable characters, left-justified and padded to the indicated length to the right with spaces.

- **YYYYMMDDHHMMSS** – date, where YYYY is the year (0000 … 9999), MM is the sequence number of the month in the year (01 … 12), DD is the sequence number of the day in the month (01 … 31), HH is hours (00 … 23), MM is minutes (00 … 59), SS is seconds (00 … 59).

Monetary amounts are presented in minimum currency units (cents, pence, …).

Indicates requirement that a field be filled in:

- **M** – the field must be filled in with data

- **O** – the field does not have to be filled in with data

- **C** – whether or not the field is mandatory depends on how other fields are filled in.

If a field does not contain data, it must be filled in with spaces according to the required length.

File header structure:

#	Field	Pos	Len	Use	Format	Value
1.	RecordFormat	0	3	M	an	"FHD"
2.	RecordSequence	3	8	M	n (00000000)	Sequence number of the row in the file.
3.	RecordType	11	1	M	an	Record type: "F" – full, "P" – partial.
4.	CreationDateTime	12	14	M	YYYYMMD DHHMMSS	File generation time.
5.	CurrencyCode	26	3	M	an	Currency code.
6.	Domain	29	32	M	an	Domain code. Domains are set in the "Domains" form (menu item "CB Gate → Configuration → Domains").

File trailer structure:

#	Field	Pos	Len	Use	Format	Value
1.	RecordFormat	0	3	M	an	"FTR"
2.	RecordSequence	3	8	M	n (00000000)	Sequence number of the row in the file.
3.	Checksum	11	18	M	n	Total available funds in minimum currency units.

File record structure:

№	Field	Pos	Len	Use	Format	Value
1.	RecordFormat	0	3	M	an	"CDR"
2.	RecordSequence	3	8	M	n (00000000)	Sequence number of the row in the file.
3.	AccountIdentifier	11	32	M	an	Account identifier.
4.	AvailableFunds	43	18	M	n	Available funds in minimum currency units.
5.	LastAuthId	61	32	O	an	Identifier of the last authorisation message in WAY4 for this contract. If there is no value in this field (if the field is filled in with spaces), the value of the RefDate tag in the AddData field is analysed.
6.	AddData	93	255	O	an	Additional information as tag values: EXPD – card expiration date (Card Expire). SN – number of the plastic in WAY4 (Card Sequence Number). The EXPD and SN tags are used to support cards with the same PAN, and the value of the domain's *IDT Transparent* field is "Contract Number" (see the section "Domain Setup" of the document "Settings for Working with WAY4™ CB Gate") RefDate – date and time of the last transaction recorded in the balance being transmitted.