

STIP Balance File Format

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Introduction

A file contains data about contract balances loaded to WAY4 and used during authorisation when the CBS is unavailable.

Chapter 1. File Format

Files 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 is mandatory

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	YYYYMMDD 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"

#	Field	Pos	Len	Use	Format	Value
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:

No	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	M	an	Identifier of the last authorisation record in WAY4 for this contract.
6.	AddData	93	255	M	an	Additional information (tags): card expiration date (Card Expire), number of the plastic in WAY4 (Card Sequence Number). Used only if the value of the domain's <i>IDT Transparent</i> field is "Contract Number" (see the section "Domain Setup" of the document "Settings for Working with WAY4™ CB Gate").