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Data Migration Tool File Format Specification

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Table of Contents

1	Introduction	6
2	Technical Specification	7
2.1	Data Record Definition	7
2.1.1	Rows and Columns	7
2.1.2	Header	7
2.1.3	Records.....	7
2.1.4	Record Type.....	7
2.1.5	Record Identification	8
2.1.6	Default Values	8
2.2	Further Details	9
2.2.1	Format Types.....	9
2.2.2	ISO 15022 Interoperability	10
2.2.3	Timezones	10
2.2.4	Character Set.....	10
2.2.5	Filenames	10
2.3	Technical Specification of the Excel File	11
2.3.1	Excel Version	11
2.3.2	Restrictions	11
2.4	Technical Specification of the Flat File.....	12
2.4.1	Compliance to RFC 4180	12
2.4.2	Definition of the CSV Format (RFC 4180)	12
2.4.3	Control Characters	13
2.4.4	Encoding.....	13
2.4.5	Restrictions	14
3	Format of Structured Files.....	15
3.1	Format of Excel and Flat Files	15
3.1.1	Technical Prerequisites	15
3.1.2	Dynamic Data	15
3.2	Format of “Enriched Files”	57
3.2.1	Further Notifications for Static Data records	57
3.2.2	Further Notifications for Free of Payment Settlement Instruction and Pending Instructions records.....	58
3.2.3	Further Notifications for Settlement Restriction records	60
3.2.4	Statistical Information	61
3.3	Format of Delta Files	62

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0.0.2	11/09/2012	Second draft	draft
0.0.3	15/10/2012	Remarks from first review by FES, FIT considered	draft
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1.0.1	18/12/2012	MSG: swapped chapter 2 and 3	final
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¹ Status value: Draft, Open, Final, Dismiss

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R2023.NOV	22/09/2023	No changes	
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Approval and agreement workflow

	Team Level		Area Level		Project Level		Agreement	
Release	Approver	Date	Approver	Date	Approver	Date	Approver	Date

Quality Control

	Quality Control – Domestic Level				Quality Control – PMO Level			
Release	Degree	Checker	Date	Report	Degree	Checker	Date	Report

Applicable documents

Reference		Object
1	[UDFS]	4CB: T2S User Detailed Functional Specifications, V2.1, 02/12/2015

Reference documents

Reference		Object
1	[DMT Specification]	ECB : Data Migration Tool Requirements and Related Procedures, V1.2.1, 20/01/2015

Owner domain	Operational Services
Owner module	Data Migration Module

1 Introduction

Prior to their going-live the Data Migration Tool (DMT) offers CSDs and NCBs the opportunity to load bulk static and dynamic data into T2S. The data is located in Excel or in flat files that are created by the user and submitted to T2S via a web application. The Excel files are used by a human being that manually transfers the data into the spreadsheet whereas the flat files are used by a legacy application that automatically exports the data into the file.

This document specifies the details of the format of the Excel and flat files for T2S data migration. Excel and flat files are available for all interfaces in the same manner. It is not a user handbook that describes the interaction of the users with DMT.

2 Technical Specification

2.1 Data Record Definition

This chapter refers to Excel and the flat file in the same manner.

2.1.1 Rows and Columns

A spreadsheet consists of horizontal rows and vertical columns. The columns identify the attributes and are restricted to a specific data type. There is no mixup of different attributes and data types in one column.

2.1.2 Header

The names of the columns appear in the first row. The names support the user to fill out the form but have no further functionality. DMT identifies the attributes based on the location of the column and does not interpret the column names.

2.1.3 Records

A record is a data structure that contains all parameters for a certain business function. A record spans over several rows. This is due to the fact that a record may contain attributes that are repeatable. The repeated attributes are placed in a separate row just below the initial row in the same column.

2.1.4 Record Type

The record type describes the business function of the record. A file may contain several records of the same record type. A mixture of different record types in one file is not possible.

The record type is indicated with a key word in the upper left corner of the file. Since there is only one record type per file the indication occurs only once. For example:

Record Type	Record Id	An Attribute
Party	1	aaa
	2	bbb

2.1.5 Record Identification

A record is identified with a unique record identifier. The identifier must be unique within the file. It is recommended that the record identifier starts with 1 and is consecutively numbered.

In case the record contains repeatable attributes and spans over several rows the record identifier is repeated in each row of the record. Rows with the same record identifier are located one after the other. These connected rows must not be interrupted by rows with another record identifier. For example:

Record Type	Record Id	A repeatable Attribute	A non-repeatable Attribute
Party	1	a1	c1
	1	b1	
	2	a2	c2
	2	b2	

2.1.6 Default Values

Default values are not used. When a field has no value the Excel field remains empty. For example:

aaa		ccc
-----	--	-----

In a flat file the length of a field with no value is 0. For example:

aaa,,ccc

DMT does not provide default values for empty fields. Any input parameter must be stated within the files.

2.2 Further Details

2.2.1 Format Types

The values appear in the format as in the table below:

Format Type	Excel	CSV ²
DATE	The format depends on the country and location of the user.	The format is « dd/mm/yyyy » with no timezone indication. Example: "30/06/2015"
TIME	The format depends on the country and location of the user.	The format is « hh:mm:ss » with no timezone indication. Times are in 24 hour format. Example: "15:30:59"
CHAR (n)	String with exactly n characters.	Same format as Excel.
VARCHAR (n)	String with n characters maximum.	Same format as Excel.
DEC (p,s)	Floating-point number with maximum p integer places and s decimal places. A dot '.' is used as decimal separator. Due to Excel restriction, cell must be treated as text	Floating-point number with maximum p integer places and s decimal places. A dot '.' is used as decimal separator.
NUMERIC (p)	Number with maximum p integer places and no decimal places.	Same format as Excel.
BOOLEAN	Possible values: <ul style="list-style-type: none">■ true■ false	Same format as Excel.

² The CSV format matches to the Excel format when the regional settings of a Windows PC are „English (Great Britain)“

2.2.2 ISO 15022 Interoperability

In order to ensure the interoperability to the ISO 15022 standard the character set of all fields is restricted to the SWIFT X Character Set (see below).

Exceptions might occur if special chars are required. Character set restrictions will not apply on these fields which are not used in ISO15022 messages (e.g. Distinguish Name in Party Technical Address for Party) and will not hamper interoperability.

Exceptions are highlighted in the definition of the related fields.

Some fields are restricted in length. The number of characters and integer places is shorter than in ISO 20022. See [UDFS], chapter 2.2.4, for details.

2.2.3 Timezones

Timezones do to appear in the data. The timezone is considered the actual timezone of Frankfurt. This is either **CET** (GMT+01:00) or, when a daylight saving hour is applied, **CEST** (GMT+02:00).

2.2.4 Character Set

All characters belong to the **SWIFT X Character Set**. The character set is as follows:

a b c d e f g h i j k l m n o p q r s t u v w x y z

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

0 1 2 3 4 5 6 7 8 9

/ - ? : () . , ' +

CR LF Space

2.2.5 Filenames

Any filename is permitted.

Remark:

The filenames of the provided examples contain the record type, e.g. "DMT.SDMG.Party.100". This helps the user to identify the respective example but is not required by DMT. DMT only examines the file content to recognize the record type (see chapter 2.1.4 for details).

2.3 Technical Specification of the Excel File

2.3.1 Excel Version

The Excel files adhere to one single distinct version of Microsoft Office.

Comment [A1]: CR645

Detailed information:

- Version: Microsoft® Office Excel® 2007
- File Extension: .xlsx

2.3.2 Restrictions

2.3.2.1 Worksheets

The option that one Excel file may contain several worksheets is not supported. DMT uses only the very first worksheet.

2.3.2.2 Number of Rows

Due to technical limitations the number of rows is restricted.

Detailed information:

- Maximum number of rows: 50.000³

³ This number might be further optimised

2.3.2.3 Size Limits

In addition to the number of rows, the uploaded file can not exceed 9 MB.

2.4 Technical Specification of the Flat File

2.4.1 Compliancy to RFC 4180

The flat file has a CSV format that follows closely RFC 4180. The RFC specifies a format that is widely used by many implementations and eases the development of an unload process.

Detailed information:

- File Extension: csv

2.4.2 Definition of the CSV Format (RFC 4180)

1. Each row is located on a separate line, delimited by a line break (CRLF). For example:

```
aaa,bbb,ccc CRLF
```

```
zzz,yyy,xxx CRLF
```

1. The last row in the file has no ending line break. For example:

```
aaa,bbb,ccc CRLF
```

```
zzz,yyy,xxx
```

1. Within each row, there are one or more fields, separated by commas. Each row contains the same number of fields throughout the file. Spaces are considered part of a field and are not ignored. The last field in the record is not followed by a comma. For example:

```
aaa,bbb,ccc
```

1. Each field may or may not be enclosed in double quotes. If fields are not enclosed with double quotes, then double quotes do not appear inside the fields. For example:

```
aaa,"bbb","ccc" CRLF
```

```
zzz,yyy,"xxx"
```

1. Fields containing line breaks (CRLF), double quotes, and commas are enclosed in double-quotes. For example:

```
aaa,"b CRLF bb",ccc CRLF
```

```
zzz,yyy,xxx
```

1. A double-quote appearing inside a field is escaped by preceding it with another double quote ⁴. For example:

```
"aaa", "b""bb", "ccc"
```

The escaping with double-quotes ensures that all data can appear. Quotes, commas and line breaks may be included into the business data.

2.4.3 Control Characters

In order to structure the data in the flat file the following control characters are used:

Carriage Return (CR)	0x0d
Line Feed (LF)	0x0a

2.4.4 Encoding

The encoding of the flat file is UTF-8 with no Byte Order Mark (BOM).

⁴ Actually character « quote » is not allowed. See chapter 2.2.4 for details. Please note that the CSV format definition is independent from the character set.

2.4.5 Restrictions

2.4.5.1 Number of Rows

Due to technical limitations the number of rows is restricted.

Detailed information:

- Maximum number of rows: 50.000 ⁵

2.4.5.2 Size Limits

In addition to the number of rows, the uploaded file can not exceed 9 MB.

⁵ This number might be further optimised

3 Format of Structured Files

3.1 Format of Excel and Flat Files

See chapter 2.2 for the specification and details of the format types.

3.1.1 Technical Prerequisites

3.1.1.1 Record Type Identifier

Prior to the static and dynamic data appears the record type identifier.

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per File
1	A	Record Type	VARCHAR (50)	Indicates the business function. The required value can be found in the first line of the chapters 3.1.2.1 - 3.1.3.1.	Occurs in the 2 nd row only.	1..1

3.1.2 Dynamic Data

3.1.2.1 Free of Payment Settlement Instruction

- Record Type: "FOP"

The record is used to create a free of payment settlement instruction.

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record
2	B	Record Id	NUMERIC (10)	Unique identifier of the record.		1..1
3	C	Instructing Party Parent BIC	VARCHAR (11)			1..1
4	D	Instructing Party BIC	VARCHAR (11)			1..1
5	E	T2S Actor Instruction Reference	VARCHAR (16) RestrictedFIN- Max16Text_T2S_1	Transaction identification.		1..1
6	F	Securities Movement Type Code	Possible values: ■ DELI ■ RECE	■ DELI = Delivery ■ RECE = Receive		1..1
7	G	Payment Type Code	Possible value: ■ FREE	■ FREE = FoP instruction		1..1
8	H	Trade Date	DATE		Must be equal or earlier than the Intended Settlement Date	1..1
9	I	Intended Settlement Date	DATE	Go-live date		1..1
10	J	Already matched instruction	Possible values: ■ MACH ■ NMAT	■ MACH = Already matched instruction		1..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record
				■ NMAT = Unmatched instruction		
11	K	Common Reference	VARCHAR (16) RestrictedFIN- Max16Text_T2S_1			1..1
12	L	ISIN	CHAR(12)			1..1
13	M	Settlement Type	Possible values: ■ UNIT ■ FAMT	Type of quantity: ■ UNIT = Unit ■ FAMT = Face Amount		1..1
14	N	Settlement Quantity	DEC (14,14)* when Settlement Type is 'UNIT' DEC (14,5)* when Settlement Type is 'FAMT'			1..1
15	O	Securities Account Number	VARCHAR (35)	Safekeeping account.		1..1
16	P	ISO Transaction Code	Possible values: ■ AUTO ■ BSBK ■ BYIY ■ CLAI	Securities transaction type: ■ AUTO = Auto Collateralisation ■ BYIY = BuyIn		1..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record
			<ul style="list-style-type: none"> CNCB COLI COLO CONV CORP ETFT FCTA INSP ISSU MKDW MKUP NETT NSYN OWNE OWNI PAIR PLAC PORT REAL 	<ul style="list-style-type: none"> BSBK = Buy Sell Back CLAI = Market Claim CNCB = Central Bank Collateral Operation COLI = Collateral In COLO = Collateral Out CONV = Depository Receipt Conversion CORP = Corporate Action ETFT = Exchange Traded Funds FCTA = Factor Update INSP = Move of Stock ISSU = Issuance MKDW = Mark Down 		

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record
			<ul style="list-style-type: none"> REDI REDM RELE REPU RODE RVPO SBBK SBRE SECB SECL SLRE SUBS SWIF SWIT SYND TBAC TRAD TRPO TRVO 	<ul style="list-style-type: none"> MKUP = Mark Up NETT = Netting NSYN = Non Syndicated OWNE = External Account Transfer OWNI = Internal Account Transfer PAIR = Pair Off PLAC = Placement PORT = Portfolio Move REAL = Realignment REDI = Withdrawal REDM = Redemption RELE = Depository Receipt Release Cancellation REPU = Repo 		

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record
			<ul style="list-style-type: none"> TURN 	<ul style="list-style-type: none"> RODE = Return Delivery without Matching RVPO = Reverse Repurchase Agreement SBBK = Sell Buy Back SBRE = Borrowing Reallocation SECB = Securities Borrowing SECL = Securities Lending SLRE = Lending Reallocation SUBS = Subscription SWIF = Switch From SWIT = Switch To SYND = Syndicate Underwriters TBAC = TBA Closing 		

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record
				<ul style="list-style-type: none"> ■ TRAD = Trade ■ TRPO = Triparty Repo ■ TRVO = Triparty Reverse Repo ■ TURN = Turnaround 		
17	Q	Receiving Depository BIC	VARCHAR (11)		Must occur when Securities Movement Type Code is 'DELI'.	0..1
18	R	T2S Receiving Party BIC	VARCHAR (11)		Must occur when Securities Movement Type Code is 'DELI'.	0..1
19	S	T2S Receiving Party Securities Account	VARCHAR (35)		Must occur when when Securities Movement Type Code is 'DELI' and Already matched instruction is 'MACH'.	0..1
20	T	Delivering Depository BIC	VARCHAR (11)		Must occur when Securities Movement Type Code is 'RECE'.	0..1
21	U	T2S Delivering Party BIC	VARCHAR (11)		Must occur when Securities Movement Type Code is 'RECE'.	0..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record
22	V	T2S Delivering Party Securities Account	VARCHAR (35)		Must occur when Securities Movement Type Code is 'RECE' and Already matched instruction is 'MACH'.	0..1
23	W	Delivering Securities Sub-Balance Type Id	CHAR(4)	Set up an earmarked position.	Can only be filled in if Securities Movement Type Code is 'DELI' or if the settlement instruction is sent already matched	0..1
24	X	Delivering Securities Sub-Balance Type Issuer	Possible value: ■ T2S		Must be present if Delivering Securities Sub-Balance Type Id is present.	0..1
25	Y	Delivering Securities Sub-Balance Type Scheme Name	Possible value: ■ RT	RT = Restriction Type	Must be present if Delivering Securities Sub-Balance Type Id is present.	0..1
26	Z	Receiving Securities Sub-Balance Type Id	CHAR(4)	Set up an earmarked position.	Can only be filled in if Securities Movement Type Code is 'RECE' or if the instruction is sent as already matched	0..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record
27	AA	Receiving Securities Sub-Balance Type Issuer	Possible value: ■ T2S		Must be present if Receiving Securities Sub-Balance Type Id is present.	0..1
28	AB	Receiving Securities Sub-Balance Type Scheme Name	Possible value: ■ RT	RT = Restriction Type	Must be present if Receiving Securities Sub-Balance Type Id is present	0..1

RestrictedFINMax16Text_T2S_1 :

■ Pattern: `[0-9a-zA-Z|-|?:|(\\)|,|'+]/?(/[0-9a-zA-Z|-|?:|(\\)|,|'+]/?)*[0-9a-zA-Z|-|?:|(\\)|,|'+]+)?`

3.1.2.2 Settlement Restriction

■ Record Type: "Settlement Restriction"

The record is used to create a settlement restriction.

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
2	B	Record Id	NUMERIC (10)	Unique identifier of the record.		1..1	
3	C	Instructing Party Parent BIC	VARCHAR (11)			1..1	
4	D	Instructing Party BIC	VARCHAR (11)			1..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
5	E	T2S Actor Instruction Reference	VARCHAR (16) – RestrictedFIN- Max16Text_T2S_1	Transaction identification.		1..1	
6	F	Intended Settlement Date	DATE			1..1	
7	G	Priority	Possible values: ■ 0001 ■ 0003 ■ 0004	Values for priority: ■ 0001 = Reserved ■ 0003 = High ■ 0004 = Normal		0..1	
8	H	Securities Account Number	VARCHAR (35)			1..1	
9	I	ISIN	CHAR(12)			1..1	
10	J	Settlement Type	Possible values: ■ UNIT ■ FAMT	Type of quantity: ■ UNIT = Unit ■ FAMT = Face Amount		1..1	
11	K	Settlement Quantity	DEC (14,14)* when Settlement Type is 'UNIT'			1..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
			DEC (14,5)* when Settlement Type is 'FAMT'				
12	L	Corporate Action Event id	VARCHAR(16) - RestrictedFIN-Max16Text_T2S_1			0..1	
13	M	Balance From	CHAR(4)	AWAS to indicate movement FROM "Deliverable" position		1..1	
14	N	Balance To	CHAR(4)	AWAS to indicate movement TO "Deliverable" position		1..1	
15	O	Restriction Reference Id	VARCHAR(30)	Restriction Reference as assigned by T2S during the setup of a restriction		0..1	
16	P	Link Instruction Counter	NUMERIC(3)	Number of instructions that are included in the pool, if the instruction belongs to a pool.	Mandatory if the instruction belongs to a pool.	0..1	
Group "Linkage"						0..100	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
17	Q	Link Processing Position	Possible values: <ul style="list-style-type: none"> AFTE BEFO INFO WITH 	Type of linkage			0..1
18	R	Securities Settlement Transaction id	VARCHAR (16) - RestrictedFIN- Max16Text_T2S_1	Reference of the Settlement Instruction to be linked	Only one reference must be provided per occurrence of link-ages block.		0..1
19	S	Intra Position Movement Id	VARCHAR (16) - RestrictedFIN- Max16Text_T2S_1	Reference of the Securities Settlement Restriction to be linked	Only one reference must be provided per occurrence of link-ages block.		0..1
20	T	Intra Balance Movement Id	VARCHAR (16) - RestrictedFIN- Max16Text_T2S_1	Reference of the Cash Settlement Restriction to be linked	Only one reference must be provided per occurrence of link-ages block.		0..1
21	U	Account Servicer Transaction Id	VARCHAR (16) - RestrictedFIN- Max16Text_T2S_1	Reference of the instructions provided by the Account Servicer	Only one reference must be provided per occurrence of link-ages block.		0..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
22	V	Market Infrastructure Transaction Id	VARCHAR (16) - RestrictedFIN- Max16Text_T2S_1	T2S reference of the instruction to be linked	Only one reference must be provided per occurrence of link-ages block.		0..1
23	W	Pool Id	VARCHAR (16) - RestrictedFIN- Max16Text_T2S_1	Pool Identification to be linked	Only one reference must be provided per occurrence of link-ages block.		0..1
24	X	Other Transaction Id	VARCHAR (16) - RestrictedFIN- Max16Text_T2S_1	Reference of the instruction provided by a Third Party	Only one reference must be provided per occurrence of link-ages block.		0..1
25	Y	Reference Owner BIC	VARCHAR (11)	BIC of the reference's owner	Must occur when one of the following fields is present: <ul style="list-style-type: none"> ■ Securities Settlement Transaction Id ■ IntraPosition-Movement Id ■ IntraBalanceMovement Id 		0..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
					<ul style="list-style-type: none"> AccountServicer Transaction Id Pool Id Other Transaction Id 		

RestrictedFINMax16Text_T2S_1 :

■ Pattern: [0-9a-zA-Z|-|?:|(\\)|.,'+]/?(/[0-9a-zA-Z|-|?:|(\\)|.,'+]/?)*[0-9a-zA-Z|-|?:|(\\)|.,'+]+)?

3.1.2.3 Pending Instruction

■ Record Type: "Pending Instruction"

The record is used to create a pending instruction.

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
2	B	Record Id	NUMERIC (10)	Unique identifier of the record.		1..1	
3	C	Instructing Party Parent BIC	VARCHAR (11)			1..1	
4	D	Instructing Party BIC	VARCHAR (11)			1..1	
5	E	T2S Actor Instruction Reference	VARCHAR (16) RestrictedFIN- Max16Text_T2S_1	Transaction identification.		1..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
6	F	Securities Movement Type Code	Possible values: ■ DELI ■ RECE	■ DELI = Delivery ■ RECE = Receive		1..1	
7	G	Payment Type Code	Possible value: ■ FREE ■ APMT	■ FREE = FoP instruction ■ APMT = Against Payment		1..1	
8	H	Trade Date	DATE		Must be equal or earlier than the Intended Settlement Date	1..1	
9	I	Intended Settlement Date	DATE			1..1	
10	J	Already matched instruction	Possible values: ■ MACH ■ NMAT	■ MACH = Already matched instruction ■ NMAT = Un-matched instruction		0..1	
11	K	Common Reference	VARCHAR (16) RestrictedFIN-Max16Text_T2S_1			0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
12	L	ISIN	CHAR(12)			1..1	
13	M	Settlement Type	Possible values: <ul style="list-style-type: none"> UNIT FAMT 	Type of quantity: <ul style="list-style-type: none"> UNIT = Unit FAMT = Face Amount 		1..1	
14	N	Settlement Quantity	DEC (14,14)* when Settlement Type is 'UNIT' DEC (14,5)* when Settlement Type is 'FAMT'			1..1	
15	O	Securities Account Number	VARCHAR (35)	Safekeeping account.		1..1	
16	P	ISO Transaction Code	Possible values: <ul style="list-style-type: none"> AUTO BSBK BYIY CLAI CNCB COLI COLO 	Securities transaction type: <ul style="list-style-type: none"> AUTO = Auto Collateralisation BSBK = Buy Sell Back BYIY = BuyIn CLAI = Market Claim 		1..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
			<ul style="list-style-type: none"> CONV CORP FCTA INSP ISSU MKDW MKUP NETT NSYN OWNE OWNI PAIR PLAC PORT REAL REDI REDM RELE REPU 	<ul style="list-style-type: none"> CNCB = Central Bank Collateral Operation COLI = Collateral In COLO = Collateral Out CONV = Depository Receipt Conversion CORP = Corporate Action FCTA = Factor Update INSP = Move of Stock ISSU = Issuance MKDW = Mark Down MKUP = Mark Up NETT = Netting 			

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
			<ul style="list-style-type: none"> RODE RPTO RVPO SBBK SBRE SECB SECL SLRE SUBS SWIF SWIT SYND TBAC TRAD TRPO TRVO TURN 	<ul style="list-style-type: none"> NSYN = Non Syndicated OWNE = External Account Transfer OWNI = Internal Account Transfer PAIR = Pair Off PLAC = Placement PORT = Portfolio Move REAL = Realignment REDI = Withdrawal REDM = Redemption RELE = Depository Receipt Release Cancellation REPU = Repo 			

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
				<ul style="list-style-type: none"> RODE = Return Delivery without Matching RPTO = Reporting RVPO = Reverse Repurchase Agreement SBBK = Sell Buy Back SBRE = Borrowing Reallocation SECB = Securities Borrowing SECL = Securities Lending SLRE = Lending Reallocation SUBS = Subscription SWIF = Switch From 			

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
				<ul style="list-style-type: none"> SWIT = Switch To SYND = Syndicate Underwriters TBAC = TBA Closing TRAD = Trade TRPO = Triparty Repo TRVO = Triparty Reverse Repo TURN = Turn-around 			
17	Q	Receiving Depository BIC	VARCHAR (11)		Must occur when Securities Movement Type Code is 'DELI'. Must occur when T2S Receiving Party BIC is included	0..1	
18	R	T2S Receiving Party BIC	VARCHAR (11)		Must occur when Securities Movement Type Code is 'DELI'.	0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
					Must be present if Receiving CSD Participant's Client BIC is present.		
19	S	T2S Receiving Party Securities Account	VARCHAR (35)		Must occur when Securities Movement Type Code is 'DELI' and Already matched instruction is 'MACH'.	0..1	
20	T	Delivering Depository BIC	VARCHAR (11)		Must occur when Securities Movement Type Code is 'RECE'. Must occur when T2S Delivering Party BIC is included	0..1	
21	U	T2S Delivering Party BIC	VARCHAR (11)		Must occur when Securities Movement Type Code is 'RECE'. Must be present if Delivering CSD Participant's Client BIC is present.	0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
22	V	T2S Delivering Party Securities Account	VARCHAR (35)		Must occur when Securities Movement Type Code is 'RECE' and Already matched instruction is 'MACH'.	0..1	
23	W	Delivering Securities Sub-Balance Type Id	CHAR(4)	Set up an earmarked position.	Can only be filled in if Securities Movement Type Code is 'DELI' or it is sent already matched	0..1	
24	X	Delivering Securities Sub-Balance Type Issuer	Possible value: ■ T2S		Must be present if Delivering Securities Sub-Balance Type Id is present.	0..1	
25	Y	Delivering Securities Sub-Balance Type Scheme Name	Possible value: ■ RT	RT = Restriction Type	Must be present if Delivering Securities Sub-Balance Type Id is present.	0..1	
26	Z	Receiving Securities Sub-Balance Type Id	CHAR(4)	Set up an earmarked position.	Can only be filled in if Securities Movement Type Code is 'RECE' or it is sent already matched	0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
27	AA	Receiving Securities Sub-Balance Type Issuer	Possible value: T2S		Must be present if Receiving Securities Sub-Balance Type Id is present.	0..1	
28	AB	Receiving Securities Sub-Balance Type Scheme Name	Possible value: RT	RT = Restriction Type	Must be present if Receiving Securities Sub-Balance Type Id is present.	0..1	
29	AC	Corporate Action Event id	VARCHAR(16) - RestrictedFIN-Max16Text_T2S_1	For migrating pending instructions with ISD in the past, this field has to be filled in with the special migration code-word.		0..1	
30	AD	Cash Account	VARCHAR(34)		Must be present if "Debtor Dedicated Cash Account Number" is present and Credit/Debit Indicator is 'DBIT' Must be present if "Creditor Dedicated Cash Account Num-	0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
					ber" is present and Credit/Debit Indicator is 'CRDT'		
31	AE	Hold Indicator	BOOLEAN Possible values: <ul style="list-style-type: none"> true false 	Possible values: <ul style="list-style-type: none"> 'true': For unmatched instructions, the instruction is set on hold For already matched instructions, at least one of the legs of the transaction is set on hold depending on the Hold Status Type. 'false': For unmatched instructions, no hold applies in settlement instruction. For already matched instruc- 	<ul style="list-style-type: none"> If the hold indicator is set to true, at least one occurrence of Hold Status Type must be present. If the hold indicator is set to false or empty, the Hold Status Types column must not be present. 	0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
				<p>tions, no hold applies in any leg of the transaction.</p> <ul style="list-style-type: none"> If not specified, SAC's default value is applied. 			
32	AF	Priority	Possible values: <ul style="list-style-type: none"> 0001 0003 0004 	Values for priority: <ul style="list-style-type: none"> 0001 = Reserved 0003 = High 0004 = Normal 		0..1	
33	AG	Partial Indicator	Possible values: <ul style="list-style-type: none"> NPAR PARC PARQ PART 	Threshold type and type of partial settlement: <ul style="list-style-type: none"> NPAR = Partial-NotAllowed PARC = Partial-SettlementCash-ThresholdAllowed PARQ = Partial-SettlementQuantity-ThresholdAllowed 		0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
				<ul style="list-style-type: none"> PART = PartialAllowed 			
34	AH	Modification/Cancellation allowed	Possible values: TRUE FALSE BOTH NONE	Description of values : <ul style="list-style-type: none"> TRUE = only the instructed leg can be modified / cancelled FALSE = <ul style="list-style-type: none"> In Already Matched SIs, the instructed leg cannot be modified / cancelled, but the T2S generated counter-leg can In Unmatched SIs, the instructed leg 	<ul style="list-style-type: none"> For an unmatched settlement instruction only the following codes for the Modification Cancellation Allowed are allowed: <ul style="list-style-type: none"> TRUE FALSE If any value is specified: <ul style="list-style-type: none"> In Already Matched SIs default value is BOTH In Unmatched SIs default value is TRUE 	0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
				<p>cannot be modified / cancelled</p> <ul style="list-style-type: none"> BOTH = both legs can be modified / cancelled NONE = neither the instructed nor the T2S generated leg can be modified / cancelled 			
35	AI	Delivering CSD Participant's Client BIC	VARCHAR(11)		Must be present if Delivering Party 3 BIC is present	0..1	
36	AJ	Delivering Party 3 BIC	VARCHAR(11)		Must be present if Delivering Party 4 BIC is present	0..1	
37	AK	Delivering Party 4 BIC	VARCHAR(11)			0..1	
38	AL	Receiving CSD Participant's Client BIC	VARCHAR(11)		Must be present if Receiving Party 3 BIC is present	0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
39	AM	Receiving Party 3 BIC	VARCHAR(11)		Must be present if Receiving Party 4 BIC is present	0..1	
40	AN	Receiving Party 4 BIC	VARCHAR(11)			0..1	
41	AO	Debtor Party BIC	VARCHAR(11)			0..1	
42	AP	Debtor Dedicated Cash Account Number	VARCHAR(34)			0..1	
43	AQ	Creditor Party BIC	VARCHAR(11)			0..1	
44	AR	Creditor Dedicated Cash Account Number	VARCHAR(34)			0..1	
45	AS	Settlement Amount	DEC(14,5)		Must occur when Payment Type Code is 'APMT' <i>"For the triplet currency – credit/debit code - Settlement amount, all of them are optional for FOP instructions. However as soon as one of them is filled in, the</i>	0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
					<i>other two become mandatory. (I.e. In case of payment Type Code is 'FREE', the field 'Settlement Amount' is optional, but if it is filled in, the fields 'Currency' and 'Credit/Debit Indicator' must be informed too. Therefore, in case any of the three APMT related fields is filled in, the three of them must be filled in together)"</i>		
46	AT	Currency	CHAR(3)		Must occur when Payment Type Code is 'APMT' "For the triplet currency – credit/debit code - Settlement amount, all of them	0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
					are optional for FOP instructions. However as soon as one of them is filled in, the other two become mandatory. (I.e. In case of payment Type Code is 'FREE', the field 'Settlement Amount' is optional, but if it is filled in, the fields 'Currency' and 'Credit/Debit Indicator' must be informed too. Therefore, in case any of the three APMT related fields is filled in, the three of them must be filled in together)"		
47	AU	Credit/Debit Indicator	Possible values: <ul style="list-style-type: none"> ■ CRDT ■ DBIT 	Credit/Debit code: <ul style="list-style-type: none"> ■ CRDT = Credit ■ DBIT = Debit 	Must occur when Payment Type Code is 'APMT'	0..1	

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
					<p><i>"For the triplet currency – credit/debit code - Settlement amount, all of them are optional for FOP instructions. However as soon as one of them is filled in, the other two become mandatory. (I.e. In case of payment Type Code is 'FREE', the field 'Settlement Amount' is optional, but if it is filled in, the fields 'Currency' and 'Credit/Debit Indicator' must be informed too. Therefore, in case any of the three APMT related fields is filled in, the three of them must be filled in together)"</i></p>		

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
48	AV	Link Instruction Counter	NUMERIC (3)		Mandatory if the instruction belongs to a pool.	0..1	
Group "Linkage"						0..100	
49	AW	Link Processing Position	Possible values: ■ AFTE ■ BEFO ■ INFO ■ WITH	Type of linkage			0..1
50	AX	Securities Settlement Transaction id	VARCHAR (16) – RestrictedFIN- Max16Text_T2S_1	Reference of the Settlement Instruction to be linked	Only one reference must be provided per occurrence of linkages block.		0..1
51	AY	Intra Position Movement Id	VARCHAR (16) – RestrictedFIN- Max16Text_T2S_1	Reference of the Securities Settlement Restriction to be linked	Only one reference must be provided per occurrence of linkages block.		0..1
52	AZ	Intra Balance Movement Id	VARCHAR (16) – RestrictedFIN- Max16Text_T2S_1	Reference of the Cash Settlement Restriction to be linked			0..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
53	BA	Account Servicer Transaction Id	VARCHAR (16) – RestrictedFIN- Max16Text_T2S_1	Reference of the instructions provided by the Account Servicer	Only one reference must be provided per occurrence of link-ages block.		0..1
54	BB	Market Infrastructure Transaction Id	VARCHAR (16) – RestrictedFIN- Max16Text_T2S_1	T2S reference of the instruction to be linked	Only one reference must be provided per occurrence of link-ages block.		0..1
55	BC	Pool Id	VARCHAR (16) – RestrictedFIN- Max16Text_T2S_1	Pool Identification to be linked	Only one reference must be provided per occurrence of link-ages block.		0..1
56	BD	Other Transaction Id	VARCHAR (16) – RestrictedFIN- Max16Text_T2S_1	Reference of the instruction provided by a Third Party	Only one reference must be provided per occurrence of link-ages block.		0..1
57	BE	Reference Owner BIC	VARCHAR (11)	BIC of the reference's owner	Must occur when one of the following fields is present: <ul style="list-style-type: none"> Securities Settlement Transaction Id 		0..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
					<ul style="list-style-type: none"> IntraPosition-Movement Id IntraBalanceMovement Id AccountServicer Transaction Id Pool Id Other Transaction Id 		
Group "Trade Transaction Condition"						0..1	
58	BF	Trade Transaction Condition Code	Possible values: <ul style="list-style-type: none"> BCBL BCBN BCFD BCPD BCRO BCRP CBNS CCPN 	Trade Transaction Code: <ul style="list-style-type: none"> BCBL = BoardLot BCBN = Bad-Name BCFD = Delivery-Form BCPD = Deliver-CountryIncorporation 			1..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
			<ul style="list-style-type: none"> CDIV CRTS CWAR GTDL MAPR NEGO NMPR SPCU SPEX XBNS XCPN XDIV XRTS XWAR 	<ul style="list-style-type: none"> BCRO = Result-Option BCRP = ResultRepo CBNS = CumBonus CCPN = Cum-Coupon CDIV = CumDividend CRTS = Cum-Rights CWAR = Cum-Warrant GTDL = GuaranteedDelivery MAPR = Market-Price NEGO = NegotiatedTrade NMPR = NonMarketPrice 			

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
				<ul style="list-style-type: none"> SPCU = Special-CumDividend SPEX = SpecialExDividend XBNS = ExBonus XCPN = Ex-Coupon XDIV = ExDividend XRTS = ExRights XWAR = ExWarrant 			
Group "Hold Types"						0..2	
59	BG	Hold Status Types	Possible values: <ul style="list-style-type: none"> CSDH PTYH PRCY BOTH 	Type of hold: <ul style="list-style-type: none"> CSDH = CSD Hold only the instructed leg is put on CSD Hold PTYH = only the instructed leg is put on PartyHold 	<ul style="list-style-type: none"> At least one occurrence must be present if Hold Indicator is set to true If the hold indicator is set to false or empty, the Hold Status 		0..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
				<ul style="list-style-type: none"> PRCY = only the T2S generated counterleg is put on Party Hold BOTH = both legs are put on Party Hold 	<ul style="list-style-type: none"> Types column must not be present. If more than one Hold Reason occurs, the same value cannot be repeated within the same Instruction. Only the following combinations within the same instruction are possible: <ul style="list-style-type: none"> CSDH and PTYH CSDH and PRCY CSDH and BOTH 		

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
					<ul style="list-style-type: none"> For an unmatched settlement instruction only the following codes for the Hold indicator are allowed: <ul style="list-style-type: none"> CSDH PTYH For an already matched settlement instruction (i.e. if field Already matched instruction has value MACH) the following codes for the Hold indicator are allowed: <ul style="list-style-type: none"> CSDH PTYH PRCY 		

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
					– BOTH		
Group "Settlement Transaction Condition"						0..3	
60	BH	Settlement Transaction Condition	Possible values: <ul style="list-style-type: none"> ■ ADEA ■ ASGN ■ BSSP ■ BUTC ■ CLEN ■ DIRT ■ DLWM ■ DRAW ■ EXER ■ EXPI ■ FRCL ■ KNOC ■ NOMC ■ PENS ■ PHYS ■ RESI 	Settlement Transaction Condition Code: <ul style="list-style-type: none"> ■ ADEA = Accept-AfterRegularSettlementDeadline ■ ASGN = Assignment ■ BSSP = BuyIn-PartiallySuccessful ■ BUTC = Buyto-Cover ■ CLEN = Clean ■ DIRT = Dirty ■ DLWM = DeliveryWithout-Matching ■ DRAW = Drawn ■ EXER = Exercised 			1..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
			<ul style="list-style-type: none"> RHYP RPTO SHOR SPDL SPST TRAN TRIP UNEX 	<ul style="list-style-type: none"> EXPI = Expired FRCL = Free-CleanSettlement KNOC = KnockedOut NOMC = NoAutomaticMarketClaim PENS = PendingSale PHYS = Physical RESI = Residual RHYP = Rehypothecation RPTO = Reporting SHOR = ShortSell SPDL = SpecialDelivery SPST = SplitSettlement 			

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
				<ul style="list-style-type: none"> TRAN = Transformation TRIP = Tri-partySegregation UNEX = Unexposed 			
61	BI	Place of Trade ID- Market Identifier Code	Text [A-Z0-9]{4,4}		<p>If the "Place of Trade ID- Market Identifier Code" is filled in, then "Place of Trade ID- Description" cannot be filled in.</p> <p>If the "Place of Trade ID- Market Identifier Code" is filled in, a value for the "Place of Trade Type- Code" must be filled in.</p>	0..1	0..1
62	BJ	Place of Trade ID- Description	Text{1,30} ([0-9a-zA-Z\-\?:\(\)\.,'+]([0-9a-zA-Z\-\?:\(\)\.,'+		If the "Place of Trade ID- Description" is filled in, then "Place	0..1	0..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
]*/([0-9a-zA-Z\-\?:\(\)\.,\' +]?)*		of Trade ID- Market Identifier Code" cannot be filled in. If the "Place of Trade ID- Description" is filled in, a value for the "Place of Trade Type- Code" must be filled in.		
63	BK	Place of Trade Type- Code	Possible values: PRIM SECM OTCO VARI EXCH		If the "Place of Trade ID- Market Identifier Code" or "Place of Trade ID- Description" is filled in, a value for the "Place of Trade Type- Code" must be filled in	1..1	1..1
64	BL	Place of clearing	VARCHAR (11) Text [A-Z]{6,6}[A-Z2-9][A-NP-Z0-9]([AZ0-9]{3,3}){0,1}		Shows the BIC code of the Clearing House involved in the settlement (if any).	0..1	0..1

Flat file column	Excel Column	Column Name	Format	Description	Rules	Occurs per Record	Occurs per Group
65	BM	Beneficial Ownership	Possible values: <ul style="list-style-type: none"> YES NO 		Specifies whether there is change of Beneficial Ownership.	0..1	0..1

RestrictedFINMax16Text_T2S_1 :

■ *Pattern: [0-9a-zA-Z|-|?:|(\\)|.,'+]/?(/[0-9a-zA-Z|-|?:|(\\)|.,'+]/?)*[0-9a-zA-Z|-|?:|(\\)|.,'+]+)?*

3.2 Format of "Enriched Files"

The format of the enriched files is based on the format of the Excel and the flat files that have been submitted to DMT. The submitted data remains unchanged but is supplemented with "Further Notifications" and "Statistical Information".

3.2.1 Further Notifications for Static Data records

This data appears in the first row of each Static Data record. It is located right to the migration data.

Flat file column	Excel Column	Field	Format	Description	Rules	Occurs per Record
last +1	last +1	Status	Possible values: <ul style="list-style-type: none"> Migrated Not migrated 	Status of the migration.	n/a	1..1
last +2	last +2	Error Code	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1

Flat file column	Excel Column	Field	Format	Description	Rules	Occurs per Record
last +3	last +3	Error Description	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +4	last +4	Error Code 2	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +5	last +5	Error Description 2	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +6	last +6	Error Code 3	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +7	last +7	Error Description 3	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +8	last +8	Error Code 4	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +9	last +9	Error Description 4	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +10	last +10	Error Code 5	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +11	last +11	Error Description 5	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1

■ "last" stands for the last column with migration data

3.2.2 Further Notifications for Free of Payment Settlement Instruction and Pending Instructions records

This data appears in the first row of each Free of Payment Settlement Instruction or Pending Instructions record. It is located right to the migration data.

Flat file column	Excel Column	Field	Format	Description	Rules	Occurs per Record
last +1	last +1	Status	Possible values: ■ Migrated ■ Not migrated	Status of the migration.	n/a	1..1
last +2	last +2	T2S Reference DELI	VARCHAR (16)	T2S Reference of the delivering instruction	Occurs when Status is 'Migrated'.	0..1
last +3	last +3	T2S Reference RECE	VARCHAR (16)	T2S Reference of the receiving instruction	Occurs when Status is 'Migrated'.	0..1
last +4	last +4	Error Code	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +5	last +5	Error Description	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +6	last +6	Error Code 2	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +7	last +7	Error Description 2	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +8	last +8	Error Code 3	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +9	last +9	Error Description 3	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +10	last +10	Error Code 4	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1

Flat file column	Excel Column	Field	Format	Description	Rules	Occurs per Record
last +11	last +11	Error Description 4	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +12	last +12	Error Code 5	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +13	last +13	Error Description 5	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1

- "last" stands for the last column with migration data
- For accepted already matched instructions "T2S Reference DELI" and "T2S Reference RECE" is informed.
- For accepted unmatched instructions, depending on the movement type the corresponding T2S reference column is informed (either "T2S Reference DELI" or "T2S Reference RECE").

3.2.3 Further Notifications for Settlement Restriction records

This data appears in the first row of each Settlement Restriction record. It is located right to the migration data.

Flat file column	Excel Column	Field	Format	Description	Rules	Occurs per Record
last +1	last +1	Status	Possible values: ■ Migrated ■ Not migrated	Status of the migration.	n/a	1..1
last +2	last +2	T2S Reference	VARCHAR (16)	T2S Reference of the restriction	Occurs when Status is 'Migrated'.	0..1
last +3	last +3	Error Code	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1

Flat file column	Excel Column	Field	Format	Description	Rules	Occurs per Record
last +4	last +4	Error Description	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +5	last +5	Error Code 2	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +6	last +6	Error Description 2	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +7	last +7	Error Code 3	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +8	last +8	Error Description 3	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +9	last +9	Error Code 4	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +10	last +10	Error Description 4	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1
last +11	last +11	Error Code 5	CHAR (4)	Code of the error.	Occurs when Status is 'Not migrated'.	0..1
last +12	last +12	Error Description 5	VARCHAR (210)	Description of the error.	Occurs when Status is 'Not migrated'.	0..1

■ "last" stands for the last column with migration data

3.2.4 Statistical Information

This data appears in the 2nd row of the spreadsheet. It is located right to the further notifications.

Flat file column	Excel Column	Field	Format	Description	Rules	Occurs per Record
last +12	last +12	Submitted	NUMERIC (10)	Total number of records submitted.	n/a	1..1
last +13	last +13	Migrated	NUMERIC (10)	Total number of records that have been migrated successfully.	n/a	1..1
last +14	last +14	Not Migrated	NUMERIC (10)	Total number or records that have not been migrated due to an error.	n/a	1..1

■ "last" stands for the last column with migration data

3.3 Format of Delta Files

The format of the delta files is the same as the format of the Excel and the flat files. The difference is that those records that have been migrated successfully are dropped from the submitted file. The remaining records shall be edited and the file could be submitted again.