

SWIFT for Corporates



SWIFTNet FileAct Implementation Guide

This document describes the rules users must follow when sending or receiving files using SWIFTNet FileAct in SCORE (Standardised Corporate Environment).

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Preface

Purpose of this document

This document describes the rules users must follow when sending or receiving files using SWIFTNet FileAct in SCORE (Standardised CORporate Environment).

Compared to previous version (July 2008), this version introduces a country specific Annex for France.

Intended audience

This document is for users of SWIFTNet FileAct in SCORE.

Related documentation

The following documents contain information related to this implementation guide:

- *SWIFTNet Messaging Operations Guide* – this details the full list of all SWIFTNet FileAct operational rules and parameters
The content of this implementation guide specifies how those rules and parameters must be implemented specifically in the context of SCORE.
- *SWIFTNet PKI Certificate Administration Guide* – contains more information about RBAC
- *SWIFTAlliance Webstation User Guide* - contains more information about RBAC

Document conventions

This document uses the following typographical conventions:

Bold	Names of files, parameters, API calls, user logon, and logon groups References to a directory or a menu GUI elements and command names
<i>Italics</i>	Important information and document names
Courier	User input, directory paths, parameter values, place holders, and system output examples

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1 Overview

1.1 FileAct Transaction Rules

This document describes the rules users must follow when sending or receiving files using SWIFTNet FileAct in SCORE (Standardised CORporate Environment).

The document provides the rules for the preparation of an entire file transfer request. These rules include, for example:

- the **file transfer features** (for example, delivery notification, store-and-forward)
- the **file transfer fields** (for example, Request Type field, total number of transaction field)

The purpose of these rules is threefold:

1. To streamline the implementation of multiple FileAct links (that is, remove the need to systematically agree with every party on the meaning and use of the various parameters)
2. To remove the need to rely on specific filenames or file contents to enable the automatic processing of an incoming file
3. For SWIFTNet 6.1 onwards for bulk payments only, to ensure that users provide the necessary, and correctly structured, information to cater for the appropriate billing mechanism

1.2 File Transfer Modes

SCORE caters for both the following transfer modes:

- **Real-time** mode
- **Store-and-forward** mode

Participants must agree bilaterally on which mode to use.

1.3 Role-Based Access Control

SWIFT's central access control mechanism, Role-Based Access Control (RBAC), is used by SWIFTNet FileAct within the SCORE service. Two defined RBAC roles are possible that can be assigned to individual operators using this service. These are:

- `access_to_corp_fa` - for real-time mode
- `access_to_corp_fast` - for store-and-forward mode

The delegator (normally a Security Officer) assigns relevant roles within each participating institution. The Security Officer uses an appropriate interface (such as the Users module of SWIFTAlliance WebStation) to assign each of the Certified User SWIFTNet DNs in the organisations that have access to this service, or to remove these roles.

1.4 File Transfer Features

The following table defines the possible transfer features that are either mandatory or optional depending on the file transfer mode to be used and depending on the direction of the SWIFTNet FileAct traffic:

	FEATURE		
	Delivery Notification	Non-Repudiation	End-to-End Signature
Corporate-to-Bank traffic	Mandatory in real-time mode Optional in store-and-forward mode	Mandatory	Mandatory
Bank-to-Corporate traffic	Optional	Optional	Mandatory

Note When SWIFTNet FileAct is used in real-time mode, and Non-Repudiation is required, the Delivery Notification is also mandatory. The SWIFTNet End-to-End Signature feature provides authentication and integrity control between the sender's and the receiver's SWIFTNet Links.

2 File Transfer Fields

2.1 General Rules

The following file transfer fields provide the necessary information on the contents and purpose of the file in such a way that:

- the sender of the file does not require that the receiver process the file in a specific manner based on the filename
- the receiver of the file does not require that the sender specify the filename in a specific way (that is, the sender is free to define the filename)
- SWIFT (from SWIFTNet 6.1 onwards) can capture the necessary information required to later support the billing process
- the specification of all file transfer fields is **case-insensitive**, so that users can use upper or lower case, or both, to define any field

See the *Naming and Addressing Guide* and *SWIFTNet Messaging Operations Guide* for more information on the naming conventions that are part of the SWIFT User Handbook Online.

2.2 Service Name

For using SWIFTNet FileAct in SCORE, users must use the following service names:

Purpose	Mode	Service name
Production	Real-time	swift.corp.fa
	Store-and-forward	swift.corp.fast
Pilot (test & training) operations	Real-time	swift.corp.fa!p
	Store-and-forward	swift.corp.fast!p
Testing (integration test bed - for application vendors only)	Real-time	swift.corp.fa!x
	Store-and-forward	swift.corp.fast!x

2.3 Requestor and Responder DN

These fields must be structured in one of the two following ways:

Type	Description
BIC only	Includes only the SWIFT registered BIC8/BEI8 of the user that initiated the message exchange. For example: o=corpbebb, o=swift o=bankbebb, o=swift
BIC plus one extension	Includes the SWIFT registered BIC8/BEI8 of the user that initiated the message, and one extension to identify the entity within the user that initiated the message exchange. For example: u=treasury, o=corpbebb, o=swift ou=corpaccess, o=bankbebb, o=swift

Extensions, when optional, must only be used when they are meaningful to the recipient of the message.

Use extensions to designate a location, for example, a branch, a department, a business unit, a branded product, a person, a system, or an application.

Note Do not use extensions to describe the content of the message to be transferred. Use the Request Type field for this purpose.

The requestor DN used in this field must comply with the rules described in the *SWIFTNet Naming and Addressing Guide*.

2.4 Request Type Fields

2.4.1 Request Types for Payments and Cash Management Files

The **Request Type** field is mandatory and must be formatted as follows:

<area>.<syntax_and_format>.<description>

<area> code

<area> is a mandatory 4 letter code specifying the business area to which the file content belongs. You must select the code from the following list:

<area>	Content of file
pain	• Credit transfers
	• Direct debits
	• Requests for cancellations
	• Confirmations of requests for cancellations
camt	• Credit/debit advises
	• Intra-day statements
	• End-of-day statements

<syntax_and_format>

<syntax_and_format> identifies the syntax and specific format used. This field is mandatory and must be formatted as follows:

- `<nnn>.<mmm>.<vv>` when the file contains existing XML messages to the current SWIFTStandards, where `<area>.<nnn>.<mmm>.<vv>` refers to the message identifier, as defined by SWIFTStandards
- `fin.mt<nnn>` when the file contains FIN messages of the same type, and where `<nnn>` is the message type
- `fin.mt<n>xx` when the file contains multiple types of FIN messages, but all belong to the same FIN message category
- `fin.mtxxx` when the file contains multiple FIN messages involving more than one FIN message category
- `xxx.<format_description>` when the file contains a non-FIN format, and where the value of `<format_description>` must be according to the following table.

<format_description> values

Note This table is updated progressively so users can always find the latest version on www.swift.com. If the format does *not* appear in the table, users must contact SWIFT so that the format can be added and published accordingly on swift.com.

Country	Published by	File format	<format_description>
AU	Australian Payments Clearing Association	Fixed length 120 characters	becs
BE	Belgian Bankers' Association	Fixed length 128 characters	coda
BE	id.	Fixed length 128 characters	ciri
BR	Febraban CNAB	Fixed length 240 characters	cnab240
CH	Swiss Interbank Clearing	Fixed length 128 characters	dta
CH	id.	Variable length	lsvbdd
CH	PostFinance	Fixed length 128 characters	epo
CH	id.	Fixed length 128 characters	dd
DE	Zentraler Kreditausschuss	Variable length	dtaus
DE	id.	Variable Length	dtzav
DE	id.	Variable Length	dte
ES	Asociacion Espanola de Banca	Fixed length 72 characters	aeb34
ES	id.	Fixed Length 80 characters	aeb43
ES	Banco Santander Factoring	Fixed Length 170 characters	factor
ES	id.	Fixed length 162 characters	aeb19
ES	id.	Fixed length 162 characters	aeb58
FR	Comité Français d'Organisation et de Normalisation Bancaire	PLEASE CONSULT ANNEX FOR FRANCE	
GB	APACS	Variable length	bacs
IR	IPSO – Irish Payment Services Organisation	Variable length	irishstd18
IR	id.	Variable length	irishstd27
IT	Association for Interbank Corporate Banking (ACBI)	Fixed length 120 characters	pc
IT	id.	Fixed length 120 characters	pe
IT	id.	Fixed length 120 characters	ep
IT	id.	Fixed length 120	ib

Country	Published by	File format	<format_description>
		characters	
IT	id.	Fixed length 120 characters	ir
IT	id.	Fixed length 120 characters	im
IT	id.	Fixed length 120 characters	ab
IT	id.	Fixed length 120 characters	bb
IT	id.	Fixed length 120 characters	sl
IT	id.	Fixed length 120 characters	av
IT	id.	Fixed length 120 characters	ap
IT	id.	Fixed length 120 characters	ai
IT	id.	Fixed length 120 characters	al
IT	id.	Fixed length 120 characters	f24
IT	id.	Fixed length 120 characters	cn
IT	id.	Fixed length 120 characters	rh
IT	id.	Fixed length 120 characters	ra
IT	id.	Fixed length 120 characters	ec
IT	id.	Fixed length 120 characters	dt
IT	id.	Fixed length 120 characters	rp
IT	id.	XML	ctx
IT	id.	XML	ctrix
JP	Japanese Bankers Association	Fixed length 120 characters	50200121
JP	id.	Fixed length 120 characters	50200111
JP	id.	Fixed length 120 characters	50200112
JP	id.	Fixed length 120 characters	50200191
JP	id.	Fixed length 120 characters	50200141
LU	Association des Banques et Banquiers, Luxembourg	Variable length	dom2000
LU	id.	Variable length	vir2000

Country	Published by	File format	<format_description>
NL	Interpay	Fixed length 50 characters	clieop02
NL	id.	Fixed length 50 characters	clieop03
NZ	New Zealand Bankers' Association	Fixed length 120 characters	bacho
PL	KIR (Polish National Clearing Chamber)	Variable length	PLI
PL	KIR (Polish National Clearing Chamber)	Variable length	PLA
PL	KIR (Polish National Clearing Chamber)	Variable length	STA
PT	Associação Portuguesa de Bancos	Fixed length 80 characters	ps2
US	ANSI	Variable length	820
US	BAI	Variable or fixed length	bai2
US	NACHA	Fixed length 94 characters	nacha
N/A	UN/CEFACT	EDIFACT	paymul96a
N/A	UN/CEFACT	EDIFACT	paymul95a
N/A	UN/CEFACT	EDIFACT	payord912
N/A	UN/CEFACT	EDIFACT	finsta96d
N/A	UN/CEFACT	EDIFACT	payext912
N/A	UN/CEFACT	EDIFACT	contri96a
N/A	UN/CEFACT	EDIFACT	bansta96a
N/A	UN/CEFACT	EDIFACT	dirdeb96a
N/A	UN/CEFACT	EDIFACT	cremul96a
N/A	UN/CEFACT	EDIFACT	debmul96a
N/A	UN/CEFACT	EDIFACT	creadv912
N/A	UN/CEFACT	EDIFACT	creext912
N/A	UN/CEFACT	EDIFACT	autack96a
N/A	UN/CEFACT	EDIFACT	cipher96a
N/A	UN/CEFACT	EDIFACT	author96a
N/A	SAP	IDOC	finsta01
N/A	SAP	IDOC	pexr2001
N/A	SAP	IDOC	pexr2002
N/A	SAP	IDOC	stats
N/A	Financial Insitution	Financial Institution specific	fisp

optional <description> values

<description> is an optional field used to provide additional information on the content of a file. Its contents can be defined bilaterally. SWIFT provides the following guidelines for the value of this field.

File content	<description>
Domestic credit transfer	dct
Cross-border credit transfer	xct
SEPA credit transfer	sct
SEPA direct debit	sdd
Domestic direct debits	ddd
Statements	stm
Report	rep
Information on ACH files	
File Acknowledgement	fak
Summary of submitted transactions	sts
Summary of returned items	sri
Detailed listing of returned items	dri
Detailed listing of confirmed items	dci

Examples:

Request type	File content
pain.001.001.02.sct	Sepa credit transfer initiation message (version 2) using SWIFTStandards MX
pain.fin.mt101	Bulked FIN MT101 messages
camt.xxx.cfonb120.stm	Statements formatted according to the CFONB format, fixed length 120 characters

2.4.2 Request Types for Trade Files

The **Request Type** field is **mandatory** and must be formatted as follows:

<area>.<syntax_and_format>.<description>

<area> code

<area> is a mandatory 4 letter code specifying the business area to which the file content belongs. You must select the code from the following list:

<area>	Content of file
tsrv	• Letter of Credit application
	• Request for Letter of Credit amendment
	• Advice of Letter of Credit
	• Guarantee application
	• Request for Guarantee amendment
	• Advice of Guarantee
	• Standby application
	• Request for Standby amendment
	• Advice of Standby
tsmt	• Invoices
	• Bills of Lading
	• Phyto-sanitary certificate
	• Certificate of Origin

<syntax_and_format>

<syntax_and_format> identifies the syntax and specific format used. This subfield of the Request Type field is **mandatory** and must be formatted as follows:

- **fin.mt7xx** when the file contains multiple types of cat 7 FIN formatted messages (This value will be available as from September 2008.)
- **xxx** when the file contains non-FIN formatted messages (This value will be available as from May 2008.)

<description>

<description> is used to provide additional information on the content of the file. This subfield of the Request Type field is **mandatory**.

File content	<description>
Items pertaining to Letters of Credit	lettersofcredit
Items pertaining to Guarantees or Standbys	gteesstandbys
Items such as invoices and Bills of lading	tradedocuments

Examples

Request type	Content of file
tsrv.fin.mt7xx.lettersofcredit	items pertaining to Letters of Credit using FIN Cat 7 format
tsrv.fin.mt7xx.gteesstandbys	items pertaining to Guarantees or Standbys using FIN Cat 7 format
tsrv.xxx.lettersofcredit	items pertaining to Letters of Credit using a non-FIN format
tsrv.xxx.gteesstandbys	items pertaining to Guarantees or Standbys using a non-FIN format
tsmt.xxx.tradedocuments	trade documents

Note When **<area>** is `tsmt`, then **<syntax_and_format>** always equals `xxx`, as there are no FIN standards for trade documents.

2.5 FileInfo Field

The **FileInfo** field provides additional structured information about the contents of the file, complementing the information provided in the **Request Type** field. The information contained in this field is of a technical nature (for example: compression, character set).

The different information elements must be separated by a semicolon. For example:

```
SwCompression=None;Test=Y
```

2.5.1 File Info field for Payments and Cash Management Files

The **FileInfo** field is **mandatory** and must contain the following element:

SwCompression=<value>, where **value=** None

In some cases, users may bilaterally agree to sign the file at application level using a proprietary scheme (that is, not related to SWIFTNet). Then, this is indicated in the FileAct header as follows:

- **FileInfo** field will contain the following element:
DataSign=1. Default value = 0 (that is, file is not signed on application level)
- **FileInfo** field can contain the following element:
SignType=<value>, where value = name of signature method (for example, cms, autack)
- Values specified in the **FileInfo** field must be case insensitive, meaning that applications reading this FileInfo field, must handle upper and lower case characters the same way.
For example: All the following forms can be accepted: SWCOMPRESSION=ZIP, swcompression=zip and SwCompression=Zip, or any other combination of lowercase/uppercase.

To exchange additional information on the file, users may specify additional elements agreed upon bilaterally with correspondents (for example, FileType, ContractId). To maximise interoperability, SWIFT recommends to only using such fields when necessary.

2.5.2 File Info field for Trade Files

The FileInfo field is mandatory and must contain the following element:

SwCompression=<value>, where **value=** None

2.6 HeaderInfo field

The **HeaderInfo** field, available since SWIFTNet 6.1 (December 2007), can be used when sending payment instructions through FileAct. The information below provides additional “advanced information”.

Element Name	XML Tag	Data Type	Description	Comment
Total Number Of Transactions	<TtlNbOfTxs>	Max15 Numeric Text	Total number of individual transactions contained in the file.	<ul style="list-style-type: none"> For Payments files this field is used centrally at SWIFT to apply the pricing. For Trade files this field may be used for information only

See *SWIFT Standards MX General Information* for more information on using and implementing the **HeaderInfo** field, under the chapter titled: Structure of a SWIFTNet FileAct Message - Transaction Count schema. This document is available on swift.com on www.swift.com > Ordering & Support > Documentation.

2.6.1 HeaderInfo field for Payments and Cash Management Files

From 1 January 2008, SWIFT has been using a pricing scheme for Corporate-to-Bank payments sent over FileAct that is based on the total number of payment instructions contained in the file, and not the number of Kchars.

To benefit from this new pricing, file compression is **not** allowed (SwCompression = None) and the sender must indicate the number of payment instructions in the **HeaderInfo** field using an XML structure. The data element used to specify this number is detailed in the preceding table.

The use of the **HeaderInfo** field with the TotalNumberOfTransactions element is mandatory in order to benefit from the bulk payments pricing. In absence of this field, generic FileAct pricing terms apply.

Example

In case a corporate sends a payment file containing 650 payment instructions, the corresponding **HeaderInfo** field will look as follows:

```
<ApplSpfc xmlns="urn:swift:xsd:ApplSpfc.TxsCtr.01" >
  <TxsCtr>
    <TtlNbOfTxs>650</TtlNbOfTxs>
  </TxsCtr>
</ApplSpfc>
```

See the *SWIFT Price List* for more information on pricing schemes for bulk payments from corporate entities to banks.

2.6.2 HeaderInfo field for Trade Files

Standard FileAct pricing is used for sending Trade data over FileAct. Therefore, users do NOT need to use this field for billing purposes. However, it may be used for information only.

2.7 Other Optional Fields

2.7.1 RequestRef field

The **RequestRef** field is an **optional** field that contains a unique user reference number for the file transfer assigned by the initiator of the operation.

2.7.2 File Description field

The **File Description** field is an **optional** field that enables users to enter additional non-structured information that is not meant for automated processing. Users are free to use this field to transfer any appropriate information describing the file content. However, SWIFT recommends the structured **FileInfo** field for this purpose.

ANNEX: country specifics

FRANCE

RequestTypes

France, as a community, has defined set of rules to create RequestTypes to be used between corporates and banks. These rules are common for all multi-bank channels and jointly maintained by CFONB and French SWIFT National User Group.

The **Request Type** field is mandatory and must be formatted as follows:

<area>.<syntax_and_format>.<description>

<area> code

<area> follows the common rules specified above.

<syntax_and_format>

<syntax_and_format> identifies the syntax and specific format used. This field is mandatory and must be formatted as specified above.

- xxx.<format_description> must be used either for CFONB defined formats and bank defined formats as described below :
 - for fixed length CFONB formats, "cfonb" followed by the file format length, (e.g. cfonb160),
 - for international formats used with French banks, even if CFONB documentation exists, the format name will follow the same rules listed above as in any other country (e.g. FIN, EDIFACT, ISO20022),
 - for bank proprietary formats, the format name given by the bank (for example vcom400 for VCOM with 400 characters fixed record length). Each bank will provide its customers with its proprietary list.

<description>

In addition to < syntax_and_format >, optional field <description > can be used to provide additional information on the content of the file. When used, this field is structured in two parts : <ddd>.<ppp>, both optional.

- <ddd> sub field to clearly identify the format when <format_description> is insufficient (e.g. cfonb240 which could be ACH return files or LCR payment validation). Values can be between the following list, in the common list above or bilaterally defined between bank and corporate.
- <ppp> defined bilaterally between a bank and its customer to give more precision about the file content, if needed.

<ddd> code	File content	File content (FR)	Direction
dct	Domestic credit transfer	Remise de virement domestique	C -> B
sct	SEPA credit transfer	Remise de virement SEPA	C -> B
ict	Intra group credit transfer (treasury transfer)	Remise de virement trésorerie France (Intra Groupe)	C -> B

xct	Cross-border credit transfer	Remise de virement international	C -> B
mct	Mixed credit transfer batch	Remise de virement	C -> B
rft	Request For Transfer	Remise de Request For Transfer	C -> B
ddd	Domestic direct debit	Remise de prélèvement domestique France	C -> B
dda	Accelerated Direct debit	Remise de prélèvement accéléré France	C -> B
dco	Domestic bills of exchange collection	Remise de LCR	C -> B
tch	Cheque batch data capture	Remise de Télécollecte chèques	C -> B
dvd	Check Account Identification Request	Demande vérification domiciliation	C -> B
dti	N/A	Remise de TIP	C -> B
dtg	N/A	Remise de Télèglement	C -> B
sdd	SDD	Remise de SDD	C -> B
sbb	BtoB SDD	Remise de SDD BtoB	C -> B
bco	Bills of exchange acceptance	Bon à payer de LCR (Réponse au relevé de LCR)	C -> B
vct	Supplier domestic credit transfer	Remise de VCOM	C -> B
lch	Cheque letter remittance	Remise de lettre chèque	C -> B
ech	Cheques paid out remittance	Remise de chèque émis	C -> B
oth	Non specified	Remise d'opération	C -> B
pco	Bills of exchange statement	Relevé de LCR	B -> C
stm	End of period account statement	Relevé de compte	B -> C
rep	Intraday account statement	Relevé intraday	B -> C
dri	ACH info	Retour divers	B -> C
rct	List of rejected credit transfer	Relevé de virement rejeté	B -> C
rsd	List of rejected direct debit	Relevé de prélèvement rejeté	B -> C
rdd	List of rejected SDD	Relevé de SDD rejeté	B -> C
rbb	List of rejected B2B SDD	Relevé de SDD BtoB rejeté	B -> C
rco	List of unpaid Bills	Relevé de LCR impayé	B -> C
cai	Change Account Identification Request list	Relevé de changement de domiciliation	B -> C
ara	File acknowledgment	Accusé de Réception Applicatif	B -> C
ard	List of received direct debits	Relevé de prélèvement reçu	B -> C
add	List of received SDD	Relevé de SDD reçu	B -> C
abb	List of received B2B SDD	Relevé de SDD BtoB reçu	B -> C
act	List of received credit transfers	Relevé de virement reçu	B -> C
ati	N/A	Relevé de TIP reçu	B -> C
rti	N/A	Relevé de TIP rejeté	B -> C
atg	N/A	Relevé de Télèglement reçu	B -> C

rtg	N/A	Relevé de Télèrèglement rejeté	B -> C
ach	List of cheques to be paid	Relevé de chèque présenté au paiement	B -> C
rch	List of unpaid cheques	Relevé de chèque impayé	B -> C

Example list of Request Types

RequestType	Product description
pain.xxx.cfonb160.dct	Domestic credit transfer France Virement domestique France
pain.xxx.cfonb160.ict	Intra group credit transfer (treasury transfer) France Virement trésorerie domestique France
pain.xxx.cfonb160.ddd	Domestic direct debit Avis de prélèvement domestique France
pain.xxx.cfonb160.dco	Bill of exchange collection Remises de LCR
pain.xxx.cfonb240.bco	Bill of exchange acceptance Bon à payer de LCR (Réponse au relevé de LCR)
pain.xxx.cfonb320.dct	Domestic credit transfer France Virement domestique France
pain.xxx.cfonb320.xct	Cross border credit transfer Virement international
pain.xxx.cfonb320.rft	Request for Transfer Virement Request For Transfer
pain.xxx.400.vct	Supplier domestic credit transfer VCOM
camt.xxx.cfonb120.stm	End of period account statement Relevé de compte
camt.xxx.cfonb240.pco	Bills of exchange statement Relevé de LCR
camt.xxx.cfonb240.dri	ACH information Retour divers
camt.xxx.cfonb240.rct	List of rejected credit transfers Relevé de virements rejetés
camt.xxx.cfonb240.rsd	List of rejected direct debit Relevé de prélèvements rejetés
camt.xxx.cfonb240.rco	List of unpaid bill of exchange Relevé de LCR impayées
camt.xxx.cfonb240.cai	Change account identification request list Relevé de changement de domiciliation
camt.xxx.cfonb560.ara	File Control Acknowledgment Accusé de réception applicative

Request for Files specification

Note the below specification has been designed with the help of – and for – the banking community in France in the context of the replacement of the ETEBAC corporate to bank protocol; the approach described below is nevertheless generic and can be used in other contexts.

In some cases, the corporate may wish to initiate the reception of files from its banks, or need to be able to specify which files it wants to receive, e.g. all files created between 2 specific dates (in case previously received files were lost by accident.)

FileAct Download file mode allows initiating the reception of a file. In some cases however, this mode can not be used (e.g. sometimes it can take too long to prepare the file, leading to a time out of the download request). This section therefore addresses the above requirement by proposing a mechanism based on FileAct Transfer mode as pictured in fig 1:

- 1) The corporate sends a file (further referred to as the “RequestForFile”) containing the specifications of the file(s) requested from the bank,
- 2) The bank processes this RequestForFile and,
- 3) Sends back the requested file(s).
- 3') In case the bank is unable to process the request (e.g. no files available), an exception file (further referenced as RequestForFileException) – containing the reason of rejection - is generated.

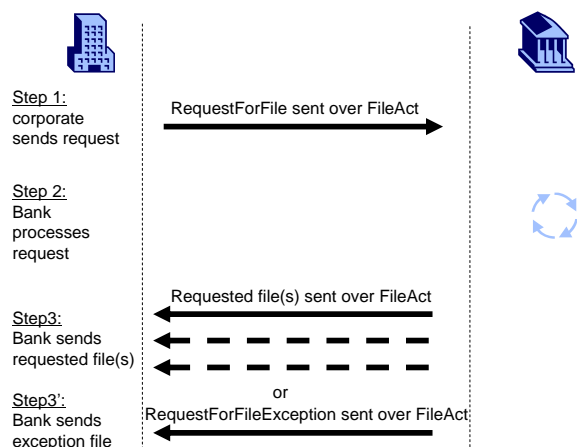


Fig 1.

This section specifies the contents of the RequestForFile and the RequestForFileException files, as well as the file transfer fields needed to send these files through SWIFTNet FileAct;

File transfer fields

File transfer fields should be formatted in line with the specifications set out in section 3

Service name

as per section 2.2

Requestor and Responder DN

as per section 2.3

Request type field

This field should be formatted as follows:

For RequestForFile: xsys.xxx.requestforfile

For RequestForFileException: xsys.xxx.requestforfileexception

FileInfo field

as per section 2.5

Content of the RequestForFile

The RequestForFile should contain the following data using an xml structure

Element name	XML Tag	Occurrence	Format	Comment
QueryIdentification	QryId	Mandatory		
QueryReference	QryRef	Mandatory	Alphanumeric [1..35]	Reference of this request. This should have the same value as the UserRef field of the FileAct header.
Creation DateTime	CrDtTm	Mandatory	ISO Date time	Date time of the file request creation
FileQueryDefinition	FileQryDef	Mandatory		
FileType	FileTp	Mandatory	Alphanumeric [1..35]	Type of file; defined bilaterally (note : pre-defined set of keywords could be defined based on community proposal)
Criteria	Crt	Optional	Alphanumeric [1..140]	Criteria to be agreed upon bilaterally between corporate and bank; this field is expected to be filled in manually by an operator from the vendor's application

Content of the RequestForFileException

The RequestForFileException should contain the following data using an xml structure

Element name	Tag	Occurrence	Format	Comment
ExceptionIdentification	ExcptId	Mandatory		
ExceptionReference	QryRef	Mandatory	Alphanumeric [1..35]	Reference of this Exception. This should have the same value as the QueryReference appearing in the corresponding RequestForFile
Creation DateTime	CrDtTm	Mandatory	ISO Date time	Date time of the file Exception creation
ExceptionReason	ExcptRs	Mandatory	Alphanumeric [1..20]	Three possible values for this field: "NoFiles": no files available "NoService": customer has not subscribed to the service "CriteriaError": the bank cannot interpret the specified criteria

Example 1: Request for files, with FileType = camt.xxx.cfonb120.stm

```
<RequestForFile>
  <QryId>
    <QryRef>Sample1</QryRef>
    <CrDtTm>2009-01-11T11:13:32+02:00</CrDtTm>
  </QryId>
  <FileQryDef>
    <FileTp> camt.xxx.cfonb120.stm </FileTp>
  </FileQryDef>
</RequestForFile>
```

Example 2: Request for specific files at a specific date :

```
<RequestForFile>
  <QryId>
    <QryRef>Sample3</QryRef>
    <CrDtTm>2009-01-11T11:31:22+02:00</CrDtTm>
  </QryId>
  <FileQryDef>
    <FileTp>camt.xxx</FileTp>
    <Cr>Date=2009-01-10</Cr>
  </FileQryDef>
</RequestForFile>
```

Example 3: reject of the previous request (answer is NoFiles) :

```
<RequestForFileException>  
  <ExcptId>  
    <QryRef>Sample3</QryRef>  
    <CrDtTm>2009-01-11T11:31:22+02:00</CrDtTm>  
  </ExcptId>  
  <ExcptRs>NoFiles<ExcptRs>  
</RequestForFileException>
```

XSD Request For Files

```

<?xml version="1.0" encoding="utf-8" ?>
<xs:schema elementFormDefault="qualified" xmlns="urn:swift:corp:xsd:corp.1.0"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:swift:corp:xsd:corp.1.0">
  <xs:simpleType name="Max35Text">
    <xs:restriction base="xs:string">
      <xs:minLength value="1" />
      <xs:maxLength value="35" />
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="Max140Text">
    <xs:restriction base="xs:string">
      <xs:minLength value="1" />
      <xs:maxLength value="140" />
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="QryId">
    <xs:sequence>
      <xs:element name="QryRef" type="Max35Text" />
      <xs:element name="CrDtTm" type="ISODatetime" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="FileQryDef">
    <xs:sequence>
      <xs:element name="FileTp" type="Max35Text" minOccurs="1"
        maxOccurs="1" />
      <xs:element name="CrT" type="Max140Text" minOccurs="0"
        maxOccurs="1" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="RequestForFile">
    <xs:sequence>
      <xs:element name="QryId" type="QryId" minOccurs="1"
        maxOccurs="1" />
      <xs:element name="FileQryDef" type="FileQryDef" minOccurs="1"
        maxOccurs="1" />
    </xs:sequence>
  </xs:complexType>
  <!-- Root element -->
  <xs:element name="RequestForFile" type="RequestForFile" />
</xs:schema>

```

XSD Request For Files Exception

```

<?xml version="1.0" encoding="utf-8" ?>
<xs:schema elementFormDefault="qualified" xmlns="urn:swift:corp:xsd:corp.1.0"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  targetNamespace="urn:swift:corp:xsd:corp.1.0">
  <xs:simpleType name="Max20Text">
    <xs:restriction base="xs:string">
      <xs:minLength value="1" />
      <xs:maxLength value="20" />
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="Max35Text">
    <xs:restriction base="xs:string">
      <xs:minLength value="1" />
      <xs:maxLength value="35" />
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="QryId">
    <xs:sequence>
      <xs:element name="QryRef" type="Max35Text" />
      <xs:element name="CrDtTm" type="ISODatetime" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="RequestForFileException">
    <xs:sequence>
      <xs:element name="ExcptId" type="QryId" minOccurs="1"
        maxOccurs="1" />
      <xs:element name="ExcptRs" type="Max20Text" minOccurs="1"
        maxOccurs="1" />
    </xs:sequence>
  </xs:complexType>
  <!-- Root element -->
  <xs:element name="RequestForFileException" type="RequestForFileException"
    />
</xs:schema>

```