

# Accord Migration technical Workshop

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22 and 24 March 2016

## **Agenda**

- 1. Understanding the Accord specificities
  - Internal structure, theory, concepts, terminology
  - GUI aspects to consider w.r.t. migration
- 2. Understanding the migration approach
- 3. The steps to take in an Accord migration
- 4. The tools and documentation we'll make available



# Accord internal structure, theory, concepts, terminology



#### **Accord essentials**

- Central matching messages sent and received by a customer are copied to it
- Counterparty does not need to be on Accord
- Customers can include/exclude parts of their traffic
- Collective set of default rules; different styles available (e.g. regular versus CLS style, for MT 300)
- Personalised rules, "equivalences/synonyms", known as MRI
- GUI and API
- Optional Long Term Archive (→ not for today)
- Items kept in live database till 7 days (14 for commodities) after value date/expiry date



#### Message types Matched in Accord

Foreign Exchange & Money Market		
MT 300	Foreign Exchange	
MT 320	Fixed Loan/Deposit	
MT 330	Call/Notice Loan/Deposit	

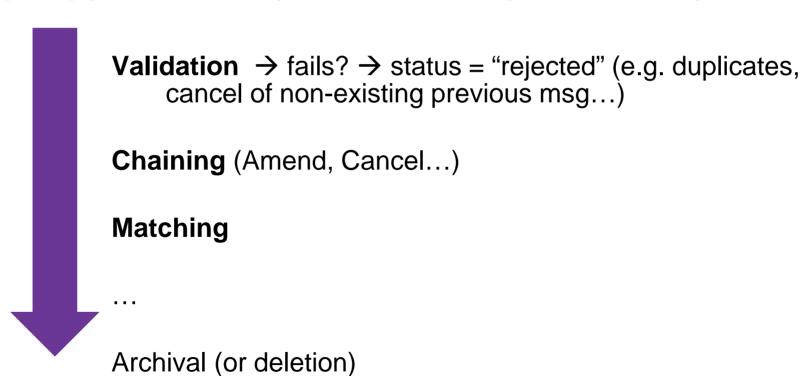
Derivatives		
MT 305	Foreign currency option	
MT 306	Exotic foreign currency option	
MT 340	Forward rate agreement	
MT 341	Forward rate agreement settlement	
MT 360	Single currency interest derivatives	
MT 361	Cross currency interest rate swap	
MT 362	Interest rate swap reset / advice of payment	

Commodities		
MT 600	Commodity trade confirmation	
MT 601	Commodity Option Confirmation	



## **Confirmation processing steps**

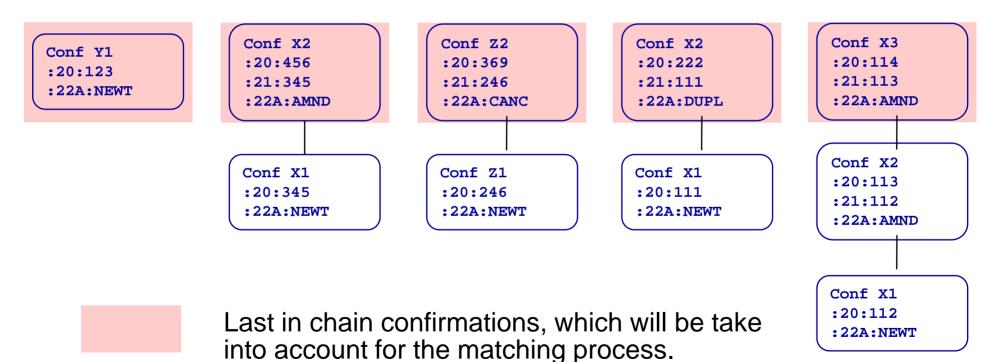
#### Steps applied to every confirmation processed by Accord





#### Chaining – Last in chain confirmations

- Used to initiate, amend or cancel a confirmation
- Rules will be provided in separate doc/course
- Important for this workshop: only last in chain msgs are exported



## **Matching**

## Each MT has a list of unmatch fields, a list of mismatch fields, and some fields are ignored

Un-match fields

Sender
Receiver
94A - Scope of operation
82a - Party A
87a - Party B
30V - Value date
32B - Currency, amount bought
33B - Currency, amount sold

## MT300 Mis-match fields

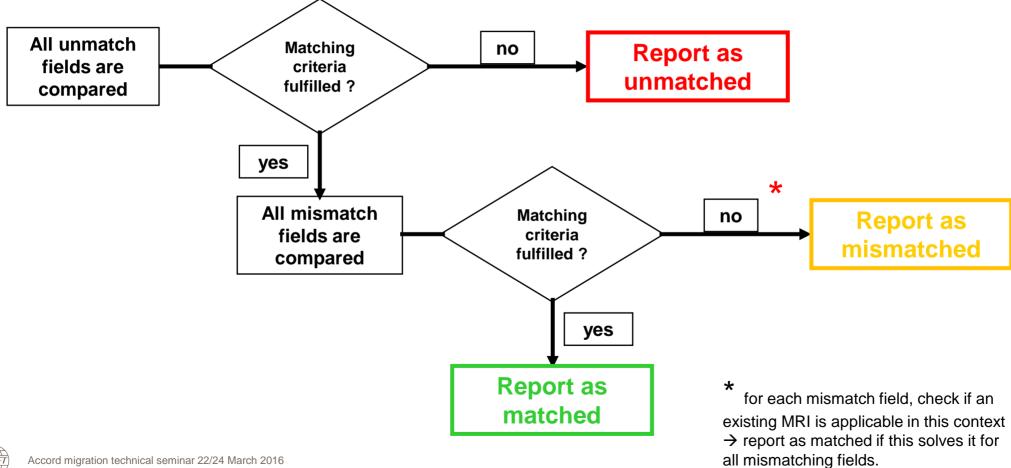
77D - Terms and Conditions
77H - Type, Date, Version of the Agreement
14C - Year of Definitions
83a - Fund or Beneficiary Customer
30T - Trade Date
Seq B1 56a - Intermediary
Seq B1 57a - Receiving Agent
Seq B2 56a - Intermediary
Seq B2 57a - Receiving Agent

## Full matching rules to be supplied in separate doc /training Two types of matching:

- Standard matching
- 'Customised' matching, using matching rule instructions (MRI)



#### Matching process flow





#### **Customized Matching Rules (MRI)**

- Customized matching rules can be created :
  - For unmatched confirmations if differences only in sender/receiver or 82a/87a
  - For mismatched confirmations if differences are on BICs or free text (example: 77D, 83a, 56a+57a, 31G, ...) e.g. BIC versus Full Name.
- Their application requires specific context to be present (e.g. Counterparty, MT, payment direction, CCY, for 56/57 MRI in MT 300)
- If not used for three months → deleted automatically. → only relevant ones in the database
- MRI spanning several fields: fields considered as one single space.(56a/57a; 77H/77D/14C in MT300)
- Cooperates with some flexible matching routines: e.g. MRI stating <BANKBEBB> =
   <Banque Belge, Brussels>, also applies when BANKBEBBXXX is used.



#### MRI Types – two special cases

- 30G MT 306 (generalised "presence with absence"), versus "presence\_of\_exactly\_X with absence"
- **Un-matches** (iso mismatches), for combination of Sender/Receiver and fields 82a/87a (party A/party B). If difference is only in sender/receiver OR 82a/87a fields=**FPARTY type**

Perspective of msg sent			Perspective of msg Recvd
Sender	BANKBEBB	BANKBEBB	Receiver
Receiver	CPYTCCLL	CPTYCCLA	Sender
82	82A:BANKBEBB	82A:BANKBEBB	87
87	87D: counterparty Bank CCLL	82D:Counterparty Bank CCLL	82

Perspective of msg sent			Perspective of msg Recvd
Sender	BANKBEBB	BANKBEBB	Receiver
Receiver	CPYTCCLL	CPTYCCLL	Sender
82	82A:BANKBEBB	87D:BB Bank, Brussels	87
87	87D: counterparty Bank CCLL	82D:Counterparty Bank, LL	82



#### **Confirmation – Deal status (=predefined set)**

Matched: all primary (or unmatch) and secondary (or mismatch) fields match as per Accord rules, or a mismatch was forced into matched, or an MRI was applied to it

Mismatched: a pair is found with matching primary fields, but there are differences in the secondary fields → user can force match !! A mismatch is always THE mismatch, not the best from a list

**Unmatched**: either a confirmation is **sent** or a confirmation is **received**, with no valid matching candidate → "**Pairing**" algorithm applied

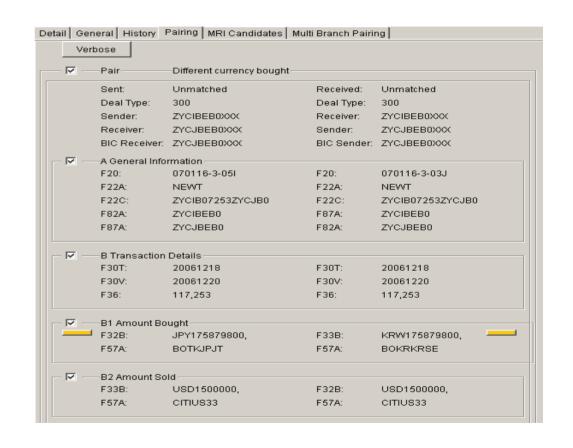
Cancelled; the confirmation is no longer processed by Accord

Rejected: the confirmation is not processed by Accord (failed validation)



#### Paired unmatched confirmations

- Accord will pair two unmatched items in opposite direction, with specific limited, human errors (often 1 field wrong only, or 1 + the fields calculated from it)
- Pairing details available under "Pairing" tab
- Not for MT 361
- If 1 candidate → most often the one intended reply, with 1 error in major field or set of related fields
- → Export for migration: only pairs with ONE candidate are provided
- → Unmatched with 1 pair can correspond to specific status in your application





## **Concept of Matching Entity**

Logical grouping of SWIFT BICs (mostly BIC-11), these BICs are considered as "the same", when it comes to matching. E.g. CORPCAMMXXX containing 2 BICs (CORPCAMMTSY and CORPCAMMXXX

- Every confirmation sent by one BIC of the Matching entity can potentially match with a confirmation received by another BIC of the entity
- One BIC can belong to only one ME; most MEs contain 1 BIC, same as their name.
- Everything is done at the ME level: billing, matching, provisioning, archiving, including/excluding...
- → make sure you get those definitions! (we have them...)

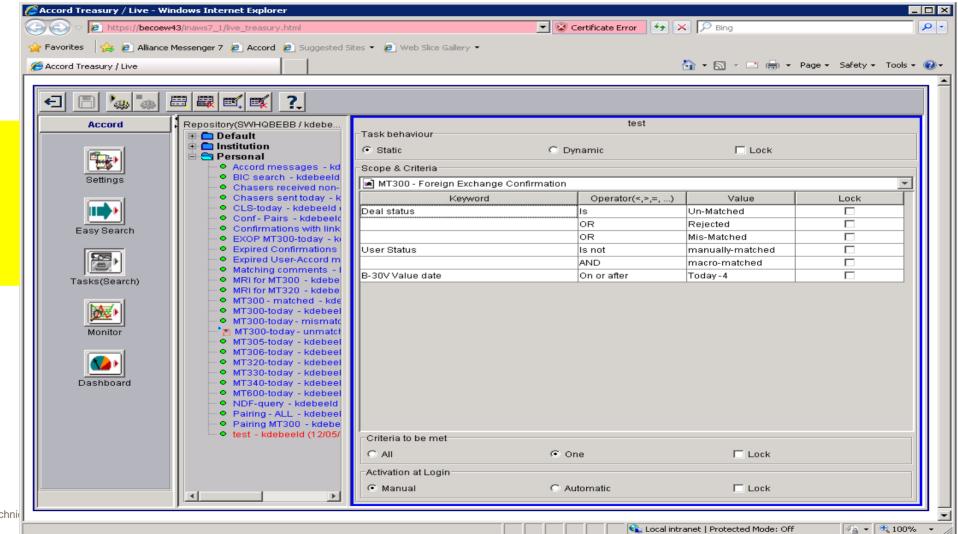


# Accord GUI aspects to consider w.r.t. migration

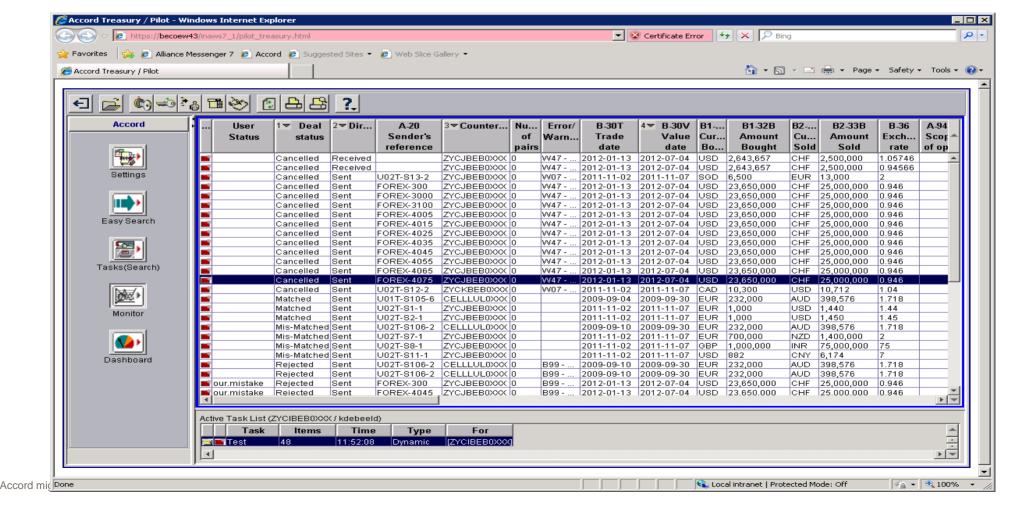


## Task (=query) – Definition

Export will be based on tasks too; most often the pre-defined tasks will be sufficient.



#### **Summary – Selection result**





#### **Matching comments - Principle**

- Indicates how Accord has processed the confirmation
- Often part of the matching result !! e.g. force-matched versus automatched; contains list of mis-matching fields
- Column in the task output, also included in the Accord export

Deal status	Matching comments	\$100 mm 100 mm 1	B-30V Premium Paymen	Number of pairs
Matched	/CSU	2009-10-26	2009-10-28	0
Matched	/CSU	2009-10-12	2009-10-13	0
Un-Matched		2009-07-28	2009-07-30	0

 All applicable values are concatenated (X/Y/Z...) → use "contains" to find them



#### Matching comments – Processing info

- CSU: confirmation was "force-matched"
- MRI: an "equivalence" was applied when processing this confirmation
- MTOL: for match/mismatch, subject to an acceptable rounding difference
- Mismatch reasons: all mismatching fields are listed

Example: A-77D/B1-57A



#### **Settings Module – User Status**

- User-defined statuses, defined at Matching Entity level
- Can be assigned to Confirmations, MRIs, and Chasers
- Used to:
  - Classify confirmations → can be combined with pre-defined status, to trigger settlement or not. ("OK for us"; "manually matched"; "settle"...)
  - Indicate next workflow step ("send chaser"; "call customer"...)





#### Sending a chaser from a confirmation

#### Free format message, sent:

- as MT 399, delivered by ACCOBEB3
- as free text, directly attached to the shared problem (between Accord subscribers)

Chasers can be sent for other objects too!

Chasers are **archived** at the same time as the related confirmation



#### Reporting Inclusion/Exclusion

- Relevant at moment **LTA** data is **exported**: important to prove that the archive is actually complete. (as opposed to: MT 305 excluded between dates X and Y).
- By default confirmations sent & received by a Matching Entity are either all reported or all ignored in Accord

This can afterwards be modified & configured per:

- Message Type
- Counterparty
- Currency



# Migration approach, steps to take and tools to use



#### **Migration Approach**

- Responsibilities
- When and how to use the tools
  - Benchmarking (multiple runs/compare your output with Accord's)
  - Backloading (seamless transition between Friday evening on Accord, Monday morning on Alternative Solution
- Timeline
- Predefined tasks (=queries) and task creation (with SWIFT's help)

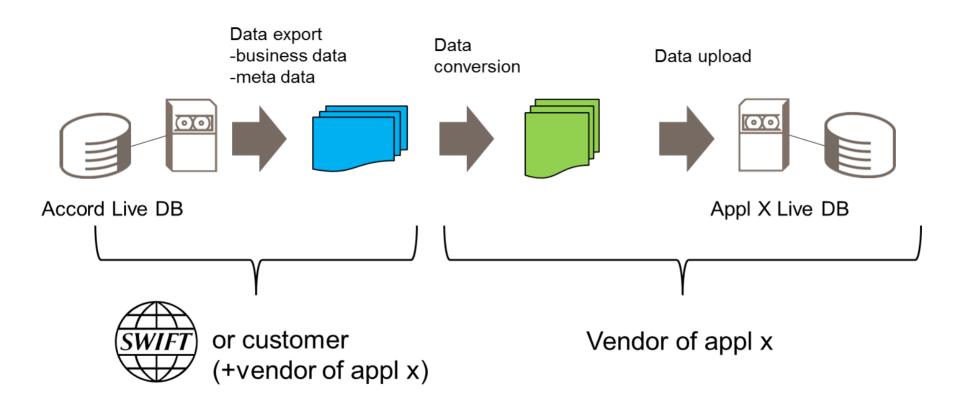


#### Migration Approach - Responsibilities

- 450 entities, 240 master BICs, so about 250 decision makers
- Contractually: CUSTOMERS are responsible to migrate in time.
- In practice: Most banks will have a VENDOR, +/- 20 different ones in total
- Migration approaches:
  - Simplistic: install new system, and use. No data migration, no parallel usage → smaller parties, or spot FX only (no accumulating data)
  - **Medium**: work in parallel, possibly feed some FIN retrievals in new system (traffic of last 124 days max), and/or reconfirm trades (of any age), and declare them matched manually
  - → Problem, even for small parties: the "MRI" or equivalences/synonyms. To be recreated manually.
  - Larger /punctual customers: FULL MIGRATION of all live data, MRIs, etc, after benchmarking with Accord.
  - → Significant project for specialist matching vendors
  - → More projects, in more countries than SWIFT can deal with
  - → Chosen approach: DIY migration tools, with full documentation and training for all interested vendors.



#### Migration Approach - Responsibilities





#### Accord migration: when and how to use the tools

- Benchmarking/Tuning/Training
  - Can be done several times
  - Can be done with full traffic, or relevant sample
  - Can be done per Entity, per MT...
  - No disruption of live Accord usage
- Backloading of Accord replacement
  - After successful benchmarking/try-outs
  - → normally once, but can be repeated if necessary
  - → even after replacement became prime system: still fall-back possible
  - Can be per Entity, per MT, any combination
- Concerns LIVE DATA only: last in chain, last information, but about ALL Live transactions (i.e. less than 7 days beyond value date)
- LTA: collective export end 2017; plus delivery of Relational Database Tool for queries.



#### Accord migration: when and how to use the tools

• **small/mid-size:** export in one single step (1 entity, using Mt 300/305/320; limited accumulated traffic) during day or evening hours.

#### Large bank:

- Many different entities, combination of centralised/local management, regional hubs
- Desire to migrate MT by MT, or subset of MTs
- Need to replace API-based integration with alternative
- More steps required to deal with massive accumulated traffic, and during weekends:
- Per MT/Entity or combination: export/import series of traffic slices
  - 1. Weekend-1: all data >1week old
  - 2. Daily evening exports of more recent data
  - 3. (possibly weekend-2) export of last updates, just before cut-over



#### Migration Timeline – Preparatory steps

#### Vendor

- Develop tools to analyse/transform Accord export
  - Extracting the FIN confirmations, metadata,
  - Converting "MRIs"
  - Automated results comparison

#### Customer (and/or Vendor)

- Get familiar with include/exclude mechanism on Accord (to avoid excessive billing) → document has been circulated to all customers.
- Get familiar with facility on SWIFT FIN interface to start/stop feeding of cat 3 and 6 messages to New Matching server.
- Study the next steps to take
- Organise possibility to conduct TESTS, with ... LIVE (i.e. "production") data! → normally in production environment.



## Migration – step 1 (export)

- 1. Export MRIs to file, with standard GUI function
- **2. Manually** export <u>relevant</u> semi-static data from Accord: entity definition, User Statuses, user-defined lists, end-of-shift tasks, tasks (in order of importance)
- **3. Automatically** export the "Last in chain data items" to a file the "Open Items File"
  - You can take sample only, or a slice if needed or preferred.
  - ONLY IF you take this step for (potentially) the last time: take ALL data, do not take any actions in Accord, and ensure the alternative system is fully fed with FIN, and go to step 3B



## Migration – step 2a (CONVERT)

- Transform all **static data** (MRIs file, matent definition etc.) into equivalents in the target solution, and upload the result
- Transform all "last in chain data items" and import the result (i.e. the MT 3xx/6xx confirmations) in the target application

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#### Migration Step 2B – Validate, tune, retry.... looping

! Important for your first customers, to tune your system

- reprocess the live items using YOUR rules, and transformed MRIs.
- Compare matching results with results as in the export file.
- Train operators of new system
- Not OK? → Tune/improve (matching rules, conversion tool...) → DB reset, convert and upload again... = retrying till satisfied
- OK ? → DB reset, redo step 1(in pieces, if necessary) → // run (FIN feeding both)
  - // run ACCORD (alternative) = 3A → training, testing of responsiveness, etc.; go to 3B when satisfied.
  - // run (accord) ALTERNATIVE = 3B → Accord only for emergency fall back

(!! If before step 3a, you do NOT redo the synchronisation... → Chaining will not work, as incoming AMENDs will not find the preceding NEW message)



#### Migration steps 3A, 3B – two types of // run

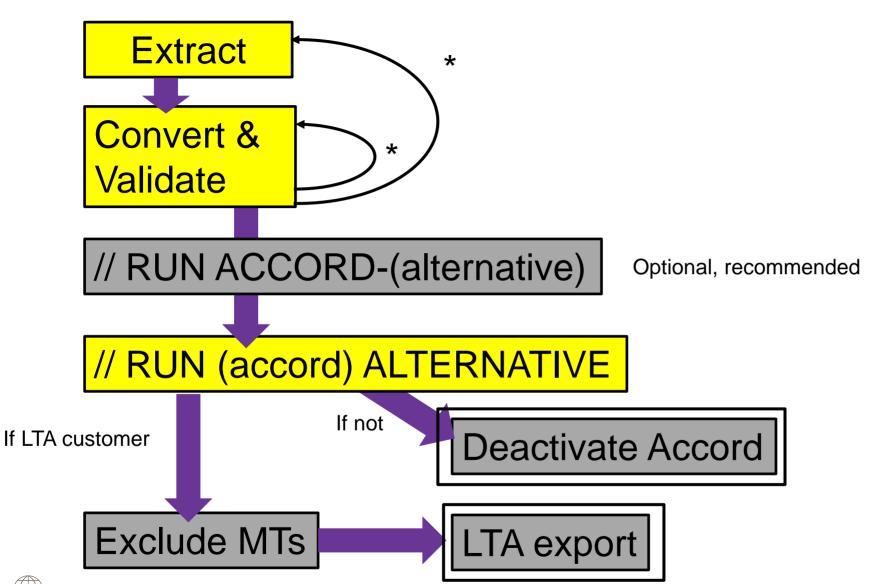
- 3A: ACCORD + (alternative); systems synchronised, and both fed by FIN
  - Accord is still PRIME (feeding settlement etc.)
  - Training
  - Validation of responsiveness
  - Testing of All procedures around matching
- 3B: (accord) + ALTERNATIVE; systems synchronised, both fed by FIN
  - Accord has become emergency fall-back
  - To fall-back: purge Alternative, and start from step 1; lost are the actions taken on Alternative
  - During // run: history of live items is in Accord (GUI), archived items are in LTA.
  - Do NOT modify anything in Accord, if you want LTA to reflect what went into Alternative.



## Migration Steps 4, 5, 6 – deactivation, and LTA export

- Step 4: gradually exclude MTs from Accord (to prevent billing)
- Step 5: IF no LTA customer: de-activate Accord. Else: do full exclusion
- Step 6: (end 2017) LTA export

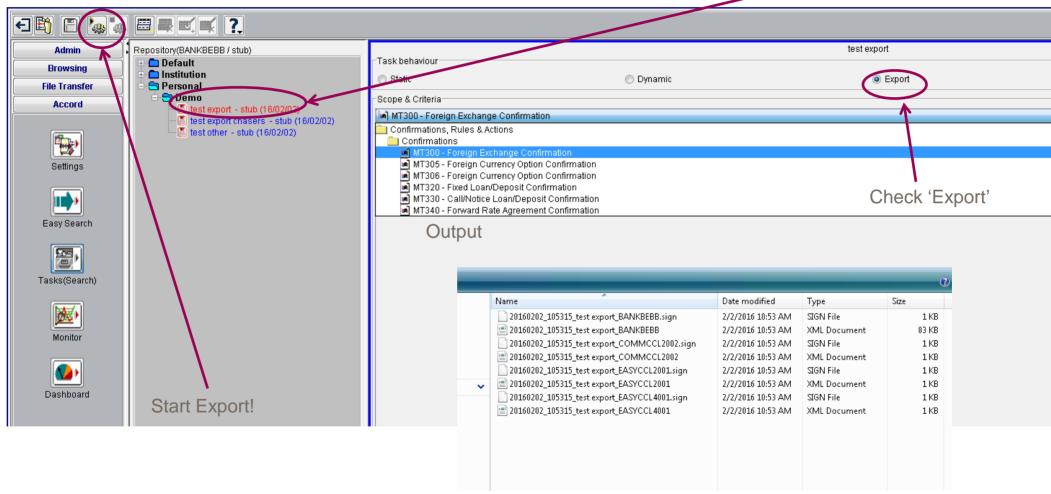






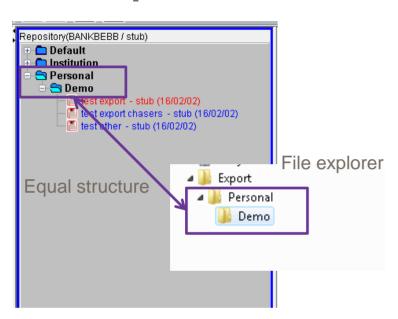
#### **GUI Export**

#### Selection of task





### **GUI Export** – file structure



Folder where the files will be stored:

C:/Users/%USER%/SWIFT/SNAccord\_Export/<RepositoryFolder>/ <RepositorySubFolder>/... Two files: xml & sign file

- Xml file contains the exported data
- Sign file is a HMAC SHA-256 generated file with the given passphrase

It guarantees

- Completeness of data
- Correct file transfer
- File integrity

#### \Personal\Demo

Name	Date modified	Туре	Size
20160202_105315_test export_BANKBEBB.sign	2/2/2016 10:53 AM	SIGN File	1 KE
20160202_105315_test export_BANKBEBB	2/2/2016 10:53 AM	XML Document	83 KE
Z0160Z0Z_105315_test export_COMMCCLZ00Z.sign	Z/Z/Z016 10:53 AM	ZIGIV File	1 KE
20160202_105315_test export_COMMCCL2002	2/2/2016 10:53 AM	XML Document	1 KE
20160202_105315_test export_EASYCCL2001.sign	2/2/2016 10:53 AM	SIGN File	1 KE
20160202_105315_test export_EASYCCL2001	2/2/2016 10:53 AM	XML Document	1 KE
20160202_105315_test export_EASYCCL4001.sign	2/2/2016 10:53 AM	SIGN File	1 KE
20160202_105315_test export_EASYCCL4001	2/2/2016 10:53 AM	XML Document	1 KE

File naming convention:

<YYYYMMDD\_hhmmss>\_<TaskName>\_<MatchingEntity>\_<SeqNumber>



### File integrity check: the Checking Tool

#### Purpose:

- Checking the integrity of the file with a given passphrase
- Proper error messages will be given

#### How?

Warning!!

•

- File is not password protected, it is just a signature given to the file to check the integrity of the file
- The passphrase used is not stored. Any error cannot distinguish between wrong passphrase or modified file.

```
Enter passphrase:
File 20160129_143529_export test_BANKBEBB.xml has been changed or the entered passphrase is wrong.
File 20160129_143529_export test_COMMCCL2002.xml integrity checking is successfull.
File 20160129_143529_export test_EASYCCL2001.xml integrity checking is successfull.
File 20160129_143529_export test_EASYCCL4001.xml integrity checking is successfull.
File 20160129_143529_export test_FULLCCL2002.xml integrity checking is successfull.
File 20160129_143529_export test_INSACOLO.xml integrity checking is successfull.
File 20160129_143529_export test_PACACCL2001.xml integrity checking is successfull.
```



### Three types of export files

### 1. Confirmations → requires GUI 7.5 tool

- Last status of confirmation chain histories
- Files are limited to 5,000 confirmation pairs

### 2. Chasers → requires GUI 7.5 tool

- Chaser messages sent or received
- o Files are limited to 5,000 chasers

## 3. Equivalences (MRI) → export possible NOW

- Customised matching rules
- Csv type of data
- One different per equivalence type

```
<Export>
<ChaserMessage>
</ChaserMessage>
...
<ChaserMessage>
</ChaserMessage>
</Export>
```



### **Confirmation Export file - content**

### For each confirmation:

### Sent

### Received

### **StatusBlock**

```
<Sent>
  <Pavload>
{1:F01PACACCL2A0011112141610}{2:I300PACACCL2X0
02N}
{3:{108:.}}{4:
15A:
:20:3009981435316001
:22A:NEWT
:22C:PACAL20001PACAL2
·17I·N
:82A:PACACCL2001
:87A:BANKBEBB
:83J:/ACCT/123456
/NAME/NAME1
·15B·
:30T:20151112
:30V:20151112
:36:1.000
:32B:EUR111214351.
:57A:AAAAVVL2BRN
:33B:USD000000002000,
:57A:AAAAVVL2BRN}
{5:{MAC:ACBDEF12}{CHK:1A5B65BF545A}}
  </Pavload>
  <Key>1131806164,145441,6</Key>
  <SequenceNr>1</SequenceNr>
  <Time>2015/11/11 12:24:38 GMT</Time>
</Sent>
<Received> ..... (Same format as Sent, for the received
confirmation)
</Received>
```

# Confirmation Export file - content Confirmation Sent

### Received

**StatusBlock** 

```
<StatusBlock>
    <Status>S</Status>
    <Time>2015/11/12 14:36:05 GMT</Time>
    <MComments>/A-83/RATE</MComments>
    <ManualMatch>FALSE</ManualMatch>
    <UserStatus></UserStatus>
    <UserStatusTime></UserStatusTime>
    <UserComments>This is a mismatch</UserComments>
    </StatusBlock>
```

### **Chaser Export file content**

```
<Export>
                                                    <ChaserMessage>
ChaserMessage
                                                       <SenderBic>BNPAAEAAXXX</SenderBic>
                                                       <ReceiverBic>DEUTGB2LXXX</ReceiverBic>
         <SenderBic>
                                                       <Time>2015/12/07 14:26:03 GMT</Time>
                                                       <DealType>395</DealType>
         <ReceiverBic>
                                                       <MessageBlock>
         <Time>
                                                          <Direction>Received
                                                         <Text>:20:1425CNF002
         <DealType>
                                                  :21:1425CNF001
                                                  :75:QUERY TEXT
         <MessageBlock>
                                                  :77A:
                                                  :11R:300
                    <Direction>
                                                  151207
                                                  9876543210
                    <Text>
                                                  :79:text of my chaser message on fx confo
                    <UserComments>
                                                         </Text>
                                                         <UserComments>my comment on the chaser as a user
         <RelatedConfirmationKey>
                                                        </MessageBlock>
                                                        <RelatedConfirmationKey>1133619962,305111,6</RelatedConfirmationKey>
         <RelatedConfirmationSequence>
                                                        <RelatedConfirmationSequence>1</RelatedConfirmationSequence>
                                                    </ChaserMessage>
```

</Export>



### Export file content – key points

- Data reported is based on GUI search criteria
- > Both sent and received confirmations are reported
  - > Unmatch cases sent or received confirmation only
- A chaser may refer to a confirmation not retrieved in a confirmation file
  - Check RelatedConfirmationSequence field
- > XML Encoding for
  - > UserComments
  - ChaserText

```
<UserComments>
      <![CDATA[<Test1>É<Test2>Ü<Test3>]]>
</UserComments>
```

- Detailed character sets and field length to be documented in the
  - > Documentation
  - > Export file schemas



### Equivalences ("MRI") – Fields 56/57, MT 3xx

### Results generated by standard GUI export include:

> The message type and counterparty it applies to

Entity	Deal type	Counterparty	
BANKBEBBXXX	MT 300 - Foreign Exchange Confirmation	BARCSGSGXXX	

### > A common set of columns, mostly not relevant for this context

						Action	Action			Archival			
Status	<b>User Status</b>	Locked by	Tagged to	Rule status	Action	status	created by	Note	Item status	date	Status date	Is locked	Is tagged
Detail seen					Extend						2008-05-15		
or Action					matching						13:28:08		
taken				Active	Rule	Complete	John	No	Item Active	never	GMT	No	No

### > The *specific* fields for the type of equivalence, in specific columns:

A		A Payment		A56 Account			A57 Account			B Payment		B56 Account			B57 Account	
CL	irrency	direction	A56 Tag	iine	<u>Address</u>	A57 Tag	iine	<u>Address</u>	Currency	airection	BS6 lag	line	Address	B5/ Tag	line	Address
					BARCUS3			BARCGB5					BARCUS3			BARCGB5
US	SD	Pay	Α		3XXX	A		GXXX	USD	Receive	Α	/12345	3XXX	Α		GXXX



### Equivalences – 17 types of equivalences in total

- Specific subset per message type
- Some apply across multiple message types
- Not always same fields used from my and counterparty's confirmation
- Equivalences use Accord matching rules (Not a bitmap comparison)

message type	Equivalence fields (my confirmation)	Туре	Equivalence fields counterparty's view)
	seqB1 F56/57	F56F57	seqB2 F56/57
	seqB2 F56/57	F56F57	seqB1 F56/F57
MT300	seqA F83a	F83	seqA F83a
	seqA F77H, seqA F77D, seqA F14C	F77	seqA F77H, seqA F77D, seqA F14C
	seqA F82/87	FPARTY	seqA F87/82
	Seq A F17I	F17I	Seq A F17I

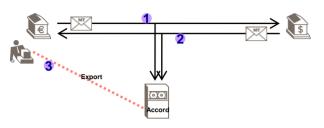
message type	Equivalence fields (my confirmation)	Туре	Equivalence fields counterparty's view)
	seqA F82/87	FPARTY	seqA F87/82
	SeqA-83a	F83	SeqA-83a
	seqA F77D	F77	seqA F77D
	SeqA-22K (second	F22K	SeqA-22K (second
	subfield)	1 22K	subfield)
	SeqB-29E	F29E	SeqB-29E
MT306	SeqC-56a	F56F57	SeqC-56a
W11300	SeqC-57a	1.301.37	SeqC-57a
	SeqE-56a	F56F57	SeqE-56a
	SeqE-57a	F30F37	SeqE-57a
	SeqF1-29J	F29J	SeqF1-29J
	SeqF1-29K	F29K	SeqF1-29K
	seqA-77H	F77H	seqA-77H
	seqF1-30G	F30G	seqF1-30G



Exported data: examples of a few advanced considerations



### Split runs & message duplicates – Example 1



#### A mis-matched confirmation

```
<Confirmations>
  <Sent>
    <Key>1138805474,148054,2</Key>
    <SequenceNr>1</SequenceNr>
    <Time>2016/02/01 14:51:16 GMT</Time>
  </Sent>
  <Received>
    <Payload>{1:...}...{5:...}</Payload>
    <Key>1138805477,113260,6</Key>
    <SequenceNr>1</SequenceNr>
    <Time>2016/02/01 14:51:17 GMT</Time>
  </Received>
    <Status>S</Status>
    <Time>2016/02/01 14:51:17  MT</Time>
    <MComments>/B2-56</MComments>
    <ManualMatch>FALSE</ManualMatch>
  </StatusBlock>
</Confirmations>
<Confirmations>
```



#### becomes matched at a subsequent export

```
<Confirmations>
  <Sent>
     <Key>1138805474,148054,2</Key>
     <SequenceNr>1</SequenceNr>
     <Time>2016/02/01 14:51:16 GMT</Time>
  </Sent>
  <Received>
     <Payload>{1:...}...{5:...}</Payload>
     <Key>1138805477,113260,6</Key>
     <SequenceNr>1</SequenceNr>
     <Time>2016/02/01 14:51:17 GMT</Time>
  </Received>
     <Status>M</Status>
     <Time>2016/02/01 14:54:09 GMT</Time>
     <MComments>/CSU</MComments>
     <ManualMatch>TRUE</ManualMatch>
  </StatusBlock>
</Confirmations>
<Confirmations>
```

Two records in subsequent export files: same **key**, different **status**.

These are not duplicate confirmations, but two confirmations in the same chain.

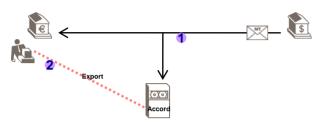
When importing, be aware that only the most recent status is correct.

#### Reminder:

"amend" or "cancel" confirmations share the same key as the original confirmation that they chain with.

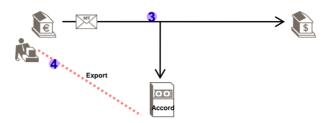


### Split runs and message duplicates – Example 2



#### An un-matched received confirmation

```
<Confirmations>
<Sent/>
<Received>
Paylead (1:...)... (5:...) </Paylead
<Key>1138811591,126449,6</Key>
<SequenceNr>1</SequenceNr>
<Time>2016/02/0116:33:11 GMT</Time>
</Received>
Status>U</Status>
<Time>2016/02/0116:33:11 GMT</Time>
<MComments/>
<ManualMatch>FALSE</ManualMatch>
...
</StatusBlock>
</Confirmations>
<Confirmations>
```



#### becomes matched at a subsequent export

```
<Confirmations>
  <Sent>
    <Payload>{1:..}...{5...}</Payload>
    <Key>1138811831,128379,2</Key>
    <SequenceNr>1</SequenceNr>
    <Time>2016/02/01 16:37:11 GMT</Time>
  </Sent>
  <Received>
    <Key>1138811591,126449,6</Key>
    <SequenceNr>1</SequenceNr>
  </Received>
     <Status>M</Status>
     <Time>2016/02/01 16:37:11 GN T</Time>
    <MComments/>
    <ManualMatch>FALSE</ManualMatch>
  </StatusBlock>
</Confirmations>
<Confirmations>
```

Two records in subsequent export files share the same confirmation key.

These are not duplicate confirmations, but two confirmations in the same chain.

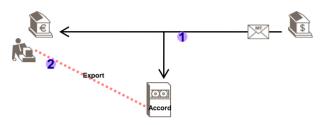
When importing, be aware that only the most recent status is correct.

#### Reminder:

"amend" or "cancel" confirmations share the same key as the original confirmation that they chain with.



### **Cross-referencing between items – Example**



#### A confirmation

<Confirmations>

<Sent>

#### -Daylood (4. ) (5. ) /Daylood

<Key>1138287363,215699,2</Key>

<SequenceNr>1</SequenceNr>

<Time>2016/01/26 14:56:03 GMT</Time>

- </Sent>
- <Received/>
- <StatusBlock>
- <Status>U</Status>
- <Time>2016/01/26 14:56:03 GMT</Time>
- <MComments/>
- <ManualMatch>FALSE</ManualMatch>

. . .

- </StatusBlock>
- </Confirmations>
- <Confirmations>

. . .



Related records in export files share the same key.

#### A chaser is created

- <ChaserMessage>
  - <SenderBic>MAFOBEBBXXX</SenderBic>
  - <ReceiverBic>PACACCL2001</ReceiverBic>
  - <Time>2016/02/02 09:38:51 GMT</Time>
- <DealType>300</DealType>
- <MessageBlock>
- <Direction>Sent</Direction>
- <Text><![CDATA[Chaser text, escaped]]></Text>
- <UserComments/>

#### <del>'MessageDlock></del>

- <RelatedConfirmationKey>1138287363,215699,2</RelatedConfirmationKey>
- <SequenceNr>1</SequenceNr>

</braserviessage> ...



# Tools, documentation and training The help available from SWIFT

#### 1. Documents

- MRI guide: you should have already
- Full Accord matching rules Guide, from developers' perspective
- Full migration GUIDE
- Format examples

#### 2. Tools

Export tool; Accord GUI 7.5, June 2016

#### 3. Courses (to be confirmed)

- Accord matching rules; from a developer's perspective
- Migration, in detail
- → let us know level of interest, preferred location/duration



# Thank you!

