

# **DTCC CA Product Update**

CA Transformation, ISO 20022 for Instructions and Cash Claims

Matt Schill

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### **CA Transformation**

### CA Transformation - Key Milestones 2018-2019

#### 2018

# CCF Lifecycle Files: Distributions, Redemptions & Reorg

 Client testing: Entitlements & Allocations CCF Files (CSHSET, CSHPRJ, etc.) vs. ISO 20022 Messages (CACO, CAPA, etc.)

#### **CCF File: Reorganization Announcements**

 Announcements files only available for a fee as of January 1, 2018

#### Phase 5: Reorganizations Lifecycle

 CA Web Parallel Testing of entitlements, allocations, adjustments available for Reorg events – July 2018

#### 2019

#### CCF Lifecycle Files: Distributions, Redemptions & Reorg

 Entitlements & Allocations CCF Files (CSHSET, CSHPRJ, etc.) will be retired — December 31, 2019

#### **CCF File: Reorganizations**

- Announcements files will no longer be supported by DTC as of Jan 1, 2019
- Entitlements & Allocations files will be retired
  December 31, 2019

#### Phase 5: Reorganizations Lifecycle

- CA Web Parallel Testing of entitlements, allocations, adjustments available for Reorg events
- Mandatory use of CA Web for Reorganization allocations, entitlements and adjustment processing – Q1 2019
- Retire PTS / PBS Reorganization functions Q1 2019

# ISO 20022 Message Availability

ISO 20022 Message Group	Distributions	Redemptions	Reorganization
Announcements*	In Production	In Production	In Production
	(Nov 2011)	(Nov 2011)	(Nov 2011)
Entitlements & Allocations	In Production	In Production	In Production
	(Feb 2013)	(August 2015)	(July 2017)
Instructions	In Production (March 2015)	N/A	2019/2020

<sup>\*</sup>As of January 1, 2018, Announcements Reorg CCF files are available for an annual fee of \$50,000

<sup>\*</sup>As of January 1, 2019, Announcements Reorg CCF files will not be supported by DTC

### Conversion to ISO 20022 SR2018 Version on November 18, 2018

See details in Important Notice B#9463-18;

http://www.dtcc.com/~/media/Files/pdf/2018/9/7/9463-18.pdf

### Client testing began on September 17, 2018

- Testing in the DTCC PSE-U test environment
- All MO/ NDM and SWIFT connections have been enabled

### CA Web Production Parallel Testing Period For Reorganization Lifecycle

See details in Important Notice B#9122-18;

http://www.dtcc.com/~/media/Files/pdf/2018/7/26/9122-18.pdf

Deploy Date: August 16, 2018

- Opportunity to parallel test for six months; must be provisioned with appropriate roles
  - o Reorg Dashboard includes Custody Reorg, Reorg Deposits
  - Entitlements
  - Allocations
  - Adjustments
- Reorg Announcements become available in CA Web to all users beginning the week of July 9th
  - o Automatic access to users already provisioned with "Customer DTC" or "Customer Admin DTC" role
- Training
  - o Instructor led review sessions begin on July 23, 2018
  - o Learning Path
- CA Web User Guide
  DTCC Internal (Green)



### ISO 20022 for Voluntary Reorg Instructions

### **Background – Voluntary Reorg Automation**

- Completion of "CA Transformation" Program in 2019
- Client Outreach for Voluntary Reorg Automation
  - o 22 one-on-one client meetings
  - 51 clients expressed interest in DTC automating the Voluntary Reorganization instruction process
- DTCC Requirements Gathering
- July 10<sup>th</sup> WebEx Call with all interested clients
- DTCC Whitepaper / Call to Action
- DTCC Business Case and internal approval process
- October 2<sup>nd</sup> DTCC Onsite Session

### **Client Commitment**

#### New - Onboarding and Test Support Fee in 2020 for "BAU" products and services

- Monthly fee model
- Unrelated to Voluntary Reorg Instructions Automation

#### Client Commitment for Voluntary Reorg Instructions Automation

 Onboarding and Test Support Fee is waived for committed clients for 2-3 year period beginning in 2020

### **Important Client Considerations**

- Participants will need a real-time MQ connection via SMART Instructions will be predicated upon various information found in the ISO 20022 CANO Announcement message
  - It is highly recommended that Participants receive this Announcement information in real-time (MQ connection)
  - Instructions will require certain data elements such as CA ID (COAF) and Option Number, among others, found in the CANO. These elements are critical in order to have your instruction accepted and processed by DTC.
- Participants will be required to test annually (Sept/Oct) ahead of the SWIFT Standards Release in November
- It is important that firms utilizing this new process take into account the usage of the Supplementary Data or Extension to ensure full event instruction coverage
  - Supplementary Data <u>is not available</u> in the 15022 MT 565 or 567 messages

# Scope

#### **Events In Scope**

- Tenders / Exchanges (AC 52) including with Consents, Dutch Auctions
- Mergers with Elections (AC 52M)
- Optional Repayments Puts (AC 58/B)
- Rights Subscription (AC 59)
- Mandatory Tender with the Right to Retain (AC 65B/R)

### ISO 20022 Messages In Scope

- CAIN Corporate Action Instruction Message (Inbound)
- CAIS Corporate Action Instruction Status Message (Outbound)
- CAIC Corporate Action Instruction Cancellation - Withdrawal (Inbound)
- CACS Corporate Action Instruction
  Cancellation Withdrawal (Outbound)
- CAST Corporate Action Instruction Statement Report (Outbound)

### Message Flows



**ANNOUNCEMENT** (CANO)



**ELIGIBLE BALANCE** (CANO no details)



**INSTRUCTION** (CAIN)



**INSTRUCTION STATUS ADVICE** (CAIS)

**Event General Details** 

COAF

**Event Type** 

Mand/Volu

**Event Security** 

**Event Details** Options

Payouts (Movements)

Supplementary Data

Agreed set of extensions

**Event General Details** 

Eligible Balance Ind = Y

COAF

**Event Type** 

Mand/Volu **Event Security** 

NO DETAILS

**Balance:** 

Free (10/11)

**Event General Details** COAF

Event Type Mand/Volu **Event Security** 

**Instruction Details** 

Supplementary Data Odd Lot Preference Conditions Sequences

Instruction Identification **Event General Details:** COAF

Event Type

Mand/Volu **Underlying Security** 

Accept/Reject code PEND and/or PACK

Instruction Details Instructed

/Uninstructed Balance

Supplementary Data Pledge Segregated Memo Seg

Inbound

outbound

# Message Flows (cont.)



#### **Intraday for Reorg**

INSTRUCTION STATEMENT REPORT (CAST)



#### ONE CACO per Payment TYPE (TOTAL ELIG)

MOVEMENT CONFIRMATION (CACO)



Report Details Event General Details: COAF

Event Type Mand/ Volu Underlying Security

**Balances:** 

Total Eligible Balance Uninstructed Balance Total Instructed Balance

Breakdown By Option Other Balances

Supplementary Data

A significant number of balance details – will be revamped in SR2019 **Event General Details** 

COAF Event Type Mand/ Volu Underlying Security

Confirmed Balance

Movement Details Securities Movement Cash Movement

Supplementary Data Detailed balance information at the transaction level for Voluntary Reorgs

It is important for Participants to denote the differentiation between 15022 MT 565/566/567 and the 20022 suite of messages. DTCC incorporates a lot of important information in the extension of the ISO 20022 message that will assist with STP

outbound

### CAIN / CAIS & CAIC / CACS Relationship

The outbound status advice messages (CAIS/CACS) are an extremely critical component of this process as the information contained on the status advices provide crucial information as to "where your instructions is".

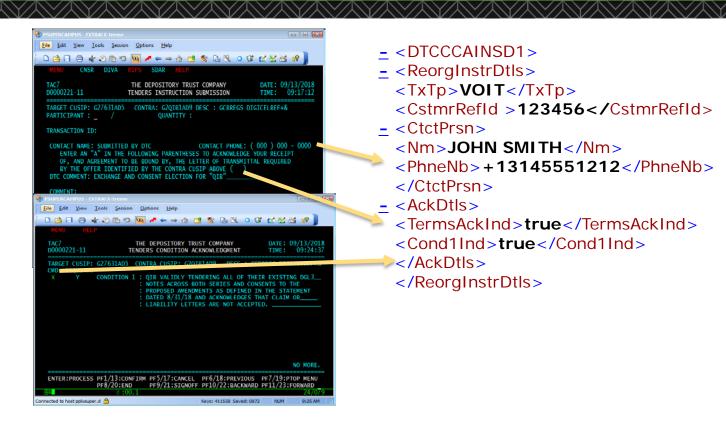
#### CAIN / CAIS

- The messages will flow into a middleware
- The CAIS will always follow the CAIN
- Instructed balances
- Latency between the two messages
- Status codes
- Timing

#### CAIC / CACS

- The messages will flow into a middleware
- The CACS will always follow the CAIC
- Balances
- Latency between the two messages –
  agent needs to approve a withdrawal
- Status codes

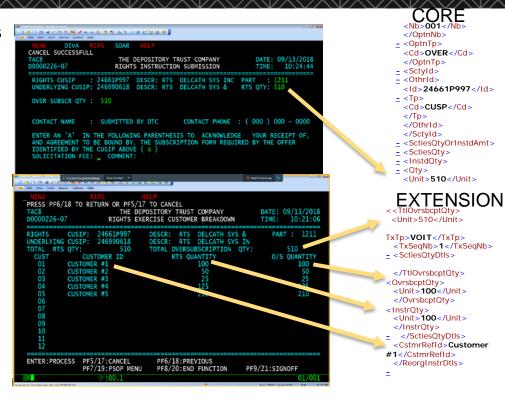
### PTOP Instruction Details / Extension Model



### Rights Oversubscription using Extension Model

Rights Exercise instruction was input with 5 sequences with 510 units total subscribed and 510 units total oversubscribed. The total instructed (510) will be in core message and the total oversubscription will be in the extension message.

Each sequence will be in the extension (only sequence 1 in the example) with the instructed units and oversubscription units.



### SR2019 Changes approved by SWIFT Maintenance

- Odd Lot Indicator for CAIN message
- Contact Person and Contact Phone Number added to CAIN, CAIS, CAIC, and CACS core messages
- Cover Protect workflow will be incorporated into ISO20022 core message. DTCC processes approximately 10, 000 cover or protect transactions annually
- Cover Protect indicator will signify that a transaction is for a Protect, Cover Protect or Cover on behalf of Another Participant

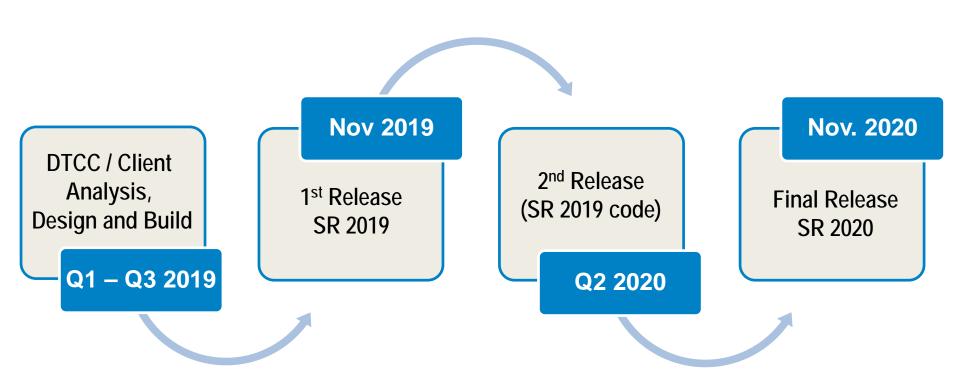
#### • CAIN Instruction Message

- Cover Protect Indicator (PROT, COVR, COVB)
- Protect Date (for Cover on Behalf of Another)
- Protect Safekeeping Account (for Cover on Behalf of Another)
- Party Contact Name and Phone Number

#### CAIS Instruction Confirmation Message

- Protect Status Code (OPEN, FULL, EXPI) states whether the cover is Open, Fully covered or Expired
- Protect Transaction ID (unique identifier of the Protect transaction which differs from the Transaction ID when the item becomes fully covered
- Uncovered Protect Quantity Portion of protect instruction which has not been fully covered

### **Proposed Development and Testing Timeline**



# Open Items from 10/2 Working Session

- Is there a PEND/PACK subscription?
- How does the automated ISO process interact with RTOP?
- Does DTC create the CAIS first for online PTOP/PSOP/PUTS submissions?
- How is the Cover/Protect PEND/PACK process defined?
- Should DTC and Participants take an event by event approach?
- How will testing work? Agile vs. Waterfall
- Are functions for waiver of dissenters rights, Tenders for CIL, Collection of Tax instructions via PTOP in scope for ISO?

# **Corporate Actions Vendor Engagement**

 WebEx will be scheduled for November with all vendors that are aiding DTC participant firms wit the Voluntary Reorg Instructions process

Agenda will include: mapping materials, business rules, project timelines, etc.

 DTC clients should reach out to <u>catransformation@dtcc.com</u> if they'd like to request that a vendor be invited to this session



# **DTC CA Cash Claims Processing**

### **Background**

- The industry has challenges in handling claims that are not tracked by DTC:
  - Securities Lending (Lends/Borrows)
  - Short Settled Trades (trades outside of the current T+2 settlement cycle)
  - Differences in Tax Rates
  - Not fail tracked (CNS/DTC)
  - Other
- Large teams of Operations assigned to just claims processing
- Primarily handled through E-mails
- Controls differ per firm
- No single solution the industry can use

# **Working Group Charter**

- Composition of the group
- What the group will focus on i.e. scope
- Action items
- Comments and feedback
- Meeting schedule

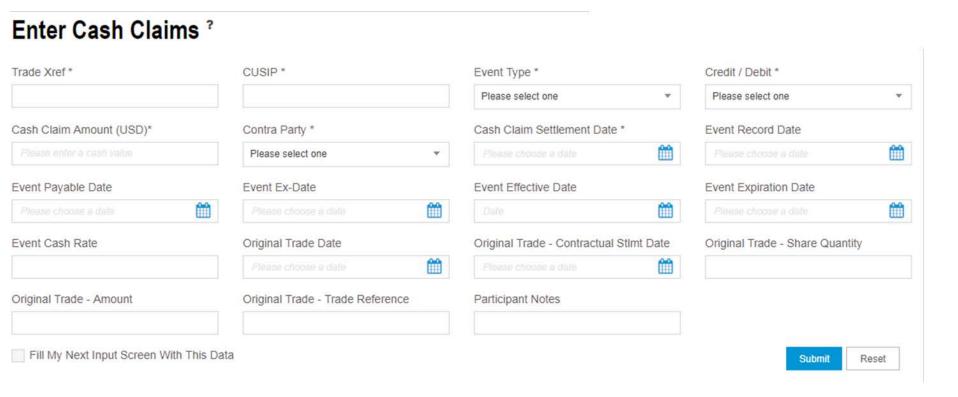
### Proof of Concept (POC)

- We want to <u>prove the concept</u>
- Feedback is requested and appreciated
- 55% 60% of the proposed application

#### **Applications Specifics for the PSE-U POC:**

- Standalone web application
- Single input or bulk upload
- Search engine with a dashboard
- Report center

### How can I Input a Claim?



### How can I Input a Claim (cont.)?

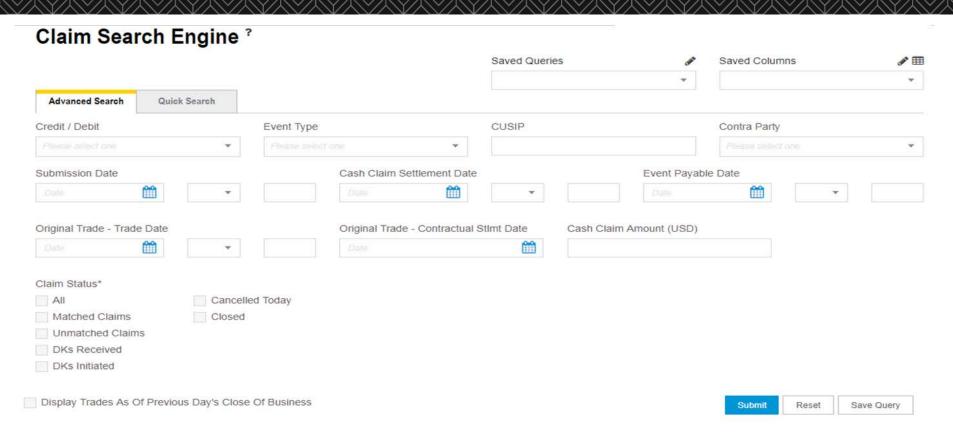
#### Claim Batch Upload

CSV File



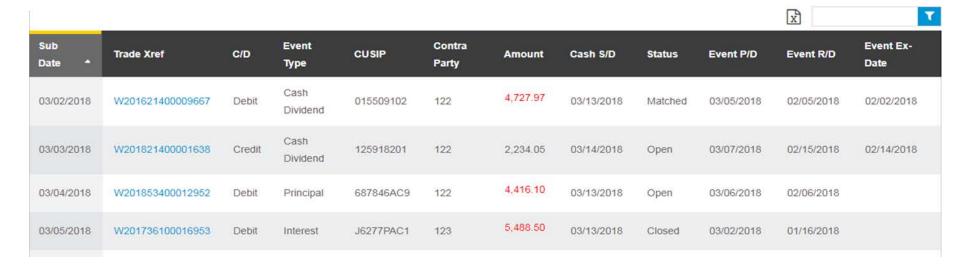
**▲** CSV File template **▲** Template Instruction

### How will I Search for a Claim?



### How can I Search for a Claim (cont.)?

Туре	Items	Units	Total Amount (USD)
Total Credits	48	0	10,737,000.00
Total Debits	92	0	42,641,000.00



# Am I am able to get Reports?

#### Claim Reports?



Available Claim Reports	Download
Intraday Claims Closed Today 20180312.csv	±
Intraday Claims Open 20180312.csv	±
Intraday Claims Pending 20180312.csv	±
Intraday Claims Unmatched 20180312.csv	±
EOD Report Claims Closed Today 20180312.csv	±
EOD Report Claims Open 20180312.csv	±
EOD Report Claims Pending 20180312.csv	±
EOD Report Claims Unmatched 20180312.csv	±

# **Matching States**

Thinking of claims like obligations with a lifecycle...

### We will call this validation and matching:

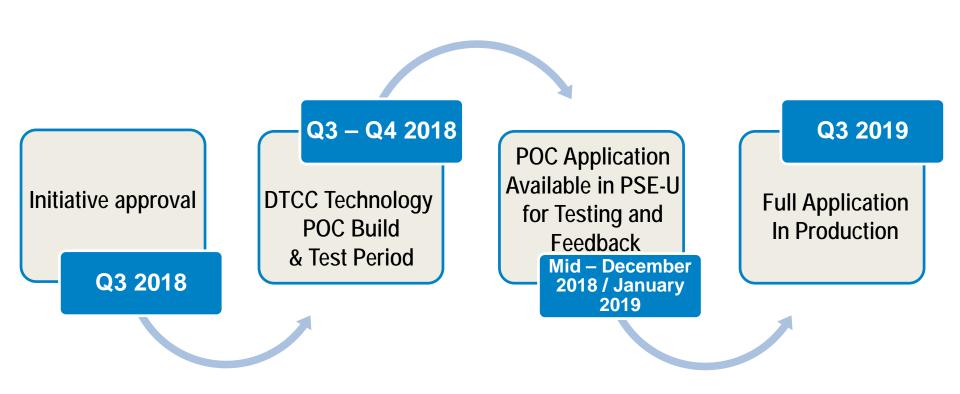
- Open / Unmatched claims
- Ability to DK / Affirm / Cancel
- Automatch
- Closed

#### **Tolerances or not:**

Matching when monies are close

Matching when dates are close

### **Timeline**



### **Next Steps**

- Continue meeting with the DTC Working Group
- Determine answers to important questions like netted SPO, SPO timing, tolerances
- Discuss price points
- Provide feedback on functionality
- Test POC in PSE
- Gain commitment
- Determine future releases (e.g. messaging, foreign cash, etc.)
- Engagement with outsourcing vendors