# ISO 20022 Technical Committee Meeting

Tuesday 14 March 2017

ASX

# Agenda

Agenda overview

Minutes from last meeting, actions

CHESS Replacement project update by ASX

Update from Business Committee (verbal)

ISO 20022 project update by ASX

SWIFT MyStandards, usage guideline review

    Overview, access

    Review recommended ISO 20022 mapping - CHESS 164 – Notified Trade
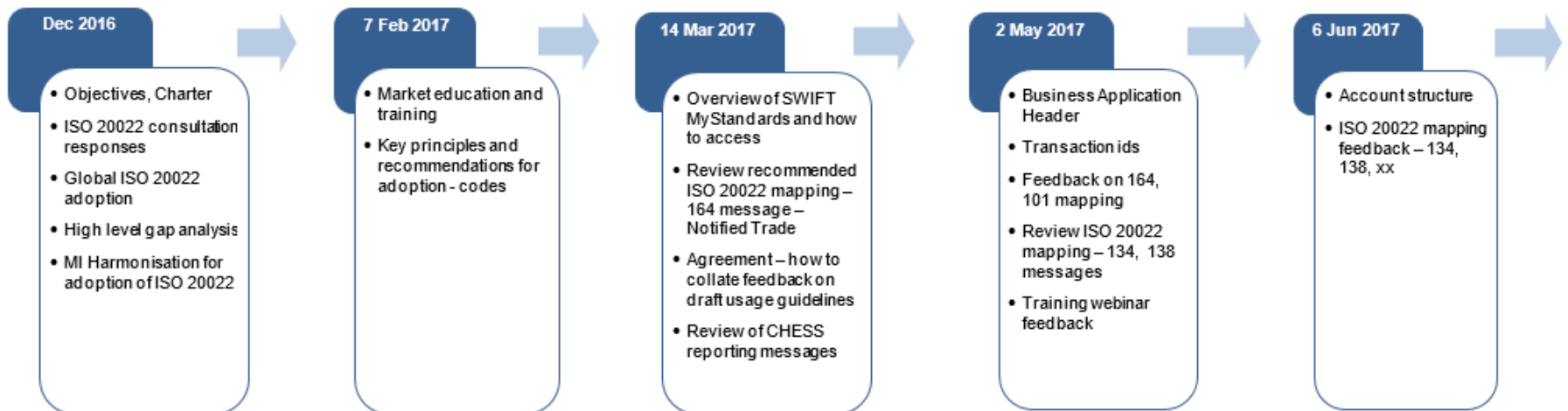
    Providing and collating feedback

Review of CHESS reporting messages

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# Agenda overview

**ISO 20022 TECHNICAL COMMITTEE - AGENDA TOPICS**

| Theme | Objective | Standing Agenda items |
|---|---|---|
| Transitioning to ISO 20022 messaging for Equities Post Trade | ASX working with market stakeholders to ensure best practice adoption and implementation of ISO 20022 for Equities Post Trade | 1. Welcome and agenda overview |
| | | 2. Minutes from last meeting, actions |
| | | 3. CHESS Replacement project update by ASX |
| | | 4. Update from Business Committee |
| | | 5. ISO 20022 project update by ASX |
| | | 6. Matters for consideration |

**Timing for Technical Committee Meetings 2017 and proposed matters for consideration (outside standing agenda items)**

**Dec 2016**
- Objectives, Charter
- ISO 20022 consultation responses
- Global ISO 20022 adoption
- High level gap analysis
- MI Harmonisation for adoption of ISO 20022

**7 Feb 2017**
- Market education and training
- Key principles and recommendations for adoption - codes

**14 Mar 2017**
- Overview of SWIFT MyStandards and how to access
- Review recommended ISO 20022 mapping – 164 message – Notified Trade
- Agreement – how to collate feedback on draft usage guidelines
- Review of CHESS reporting messages

**2 May 2017**
- Business Application Header
- Transaction ids
- Feedback on 164, 101 mapping
- Review ISO 20022 mapping – 134, 138 messages
- Training webinar feedback

**6 Jun 2017**
- Account structure
- ISO 20022 mapping feedback – 134, 138, xx

# Minutes and actions

Minutes for 7 February 2017 meeting available on [CHESS Replacement web page](#).

Action items:

| No. | Meeting Date | Open Action Items | Owner | Due Date | Status |
|-----|-------------|-------------------|-------|----------|--------|
| 2 | 13 Dec 2016 | Provide members with information on how to access SWIFT MyStandards. | ASX | Deferred to 14 Mar 2017 | Today's meeting |
| 4 | 7 Feb 2017 | Provide members with list of current scope of messages for detailed mapping during first half 2017. | ASX | 14 Mar 2017 | Complete |
| 5 | 7 Feb 2017 | Schedule training webinar for the attendance by members and seek and review feedback after the initial webinar. | ASX / SWIFT | 14 Mar 2017 | For discussion |
| 6 | 7 Feb 2017 | Add link to relevant ISO 20022 information websites to the CHESS Replacement web page. | ASX | 14 Mar 2017 | Complete |
| 7 | 7 Feb 2017 | Provide more details on access to online education available at swift.com. | SWIFT | 14 Mar 2017 | Complete |
| 8 | 7 Feb 2017 | Provide members with the current list of Market Identification Codes (MICs). | ASX | 14 Mar 2017 | Complete – on web page |
| 9 | 7 Feb 2017 | Provide members with more information on the use of BIC vs. UIC as the party identification code. | ASX / SWIFT | 14 Mar 2017 | For discussion |
| 10 | 7 Feb 2017 | Market Operators to advise the preferred MIC to be presented in trade related messages as the "Place of Trade". | ASX, Chi-X, NSX, SSX | 14 Mar 2017 | Open |

# Minutes and actions

## Action items: cont'd

| No. | Meeting Date | Open Action Items | Owner | Due Date | Status |
|---|---|---|---|---|---|
| 11 | 7 Feb 2017 | ASX to conduct analysis on whether the identification of a financial instrument is a fixed value or true value of the proprietary code issuer. | ASX | 14 Mar 2017 | For discussion |
| 12 | 7 Feb 2017 | Provide list of proposed code (i.e. condition or BOM) in ISO 20022 format (4 character) mapped against CHESS codes. | ASX | 14 Mar 2017 | For discussion |
| 13 | 7 Feb 2017 | Add a general CHESS Replacement update to the standing agenda for meetings. | ASX | 14 Mar 2017 | Complete |
| 14 | 7 Feb 2017 | Check the next Technical Committee meeting date planned for March and advise members of any change. | ASX | 14 Mar 2017 | Complete |

| No. | Meeting Date | Closed Action Items | Owner | Closed Date |
|---|---|---|---|---|
| 1 | 13 Dec 2016 | Amend the Charter to reflect that the Chair "will" (instead of "may") forward copies of the minutes to the Business Committee for endorsement.   ASX to publish and distribute final Charter. | ASX | 13 Dec 2016 |
| 3 | 13 Dec 2016 | Provide members with an overview of ISO 20022 training options. | ASX/ SWIFT | 7 Feb 2017 |

# CHESS Replacement project update
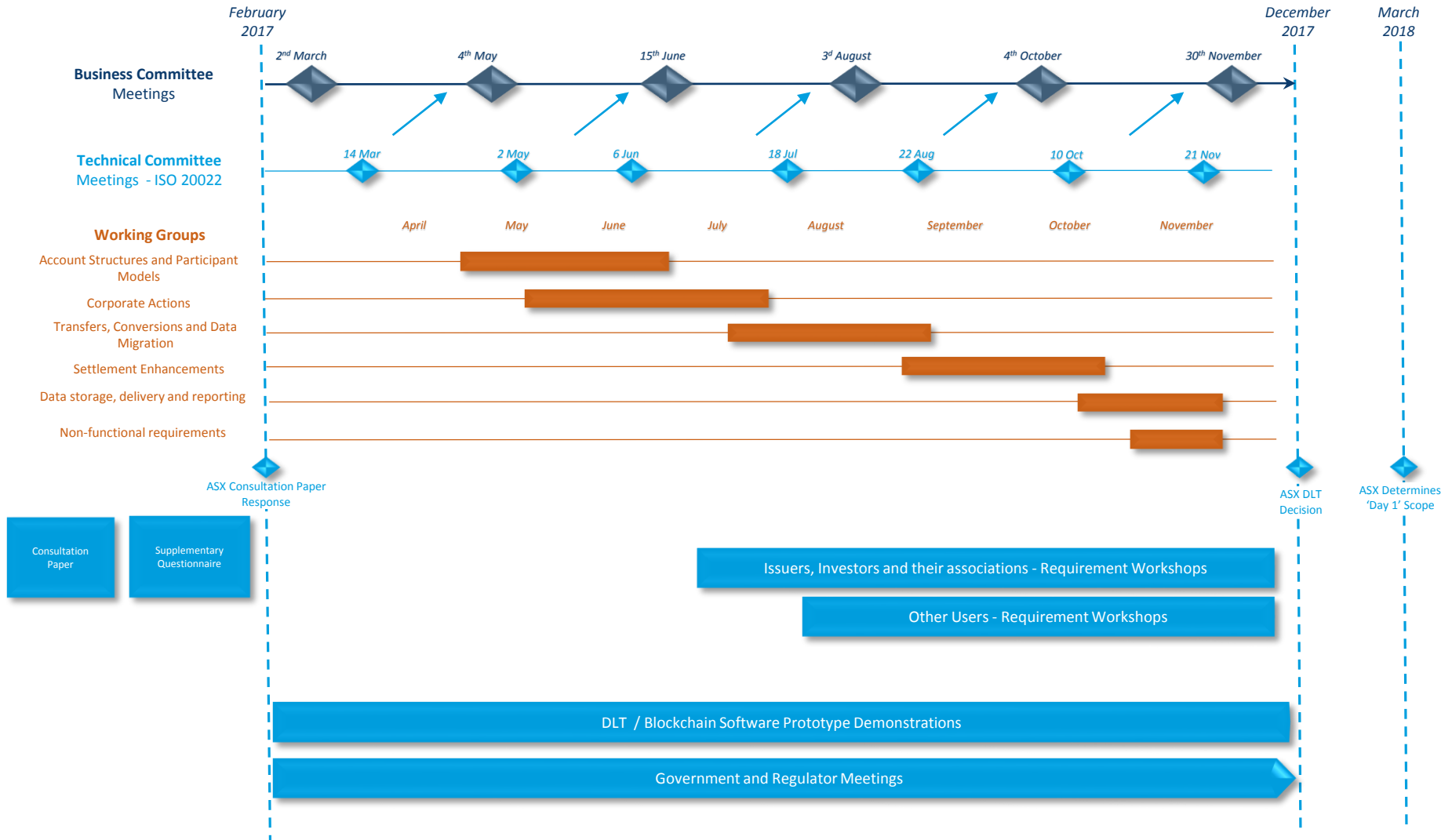
# ISO 20022 project update by ASX

- SWIFT standards consultants continue detailed mapping of CHESS EIS messages to ISO 20022 usage guidelines - ~ 70 first drafts delivered to ASX, and iterative subsequent drafts.

- ASX review of high priority draft usage guidelines, including CHESS EIS 164, 101, 134, 138, with preparation for Technical Committee review.

- Continued SWIFT/ASX fine tuning of usage guideline presentation standards.

- Set up of ASX CHESS Replacement community in SWIFT MyStandards for publishing of draft usage guidelines for Technical Committee review.

- Continued discussion with SWIFT on training options, including content for first webinar.

- ASX has created an initial set of sample messages in ISO 20022 format for business requirements.

# SWIFT MyStandards

Nicole Jolliffe, SWIFT Standards APAC

# ISO 20022
# ASX schema review

Darcy Wright, ASX Equity Post-Trade

Nicole Jolliffe, SWIFT Standards APAC

# CHESS External Interface Message - 164
## Notified Broker Broker Trade

**164-03**

### Notified Broker Broker Trade

- **Purpose**

  To notify to a Participant that a broker/broker trade has been received and is scheduled for future settlement.

- **Sender**

  CHESS

- **Recipient**

  Participant

- **Transmission Cut-off Times**

  None

- **Prerequisites**

  Receipt of a matched broker/broker trade from an Approved Market Operator Trading System
  or

  Creation of a Broker/Broker obligation resulting from a 139 Isolate Counterparty request being received by CHESS

  or

  As a result of CHESS isolating a counterparty at End of Day on Record Date for outstanding NBOs

  or

  Where a Clearing Participant has not been instructed by a Trading Participant to opt out of crossing registration.

5.2.34. **Notified Trades**
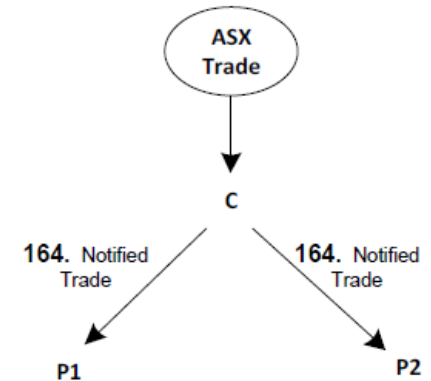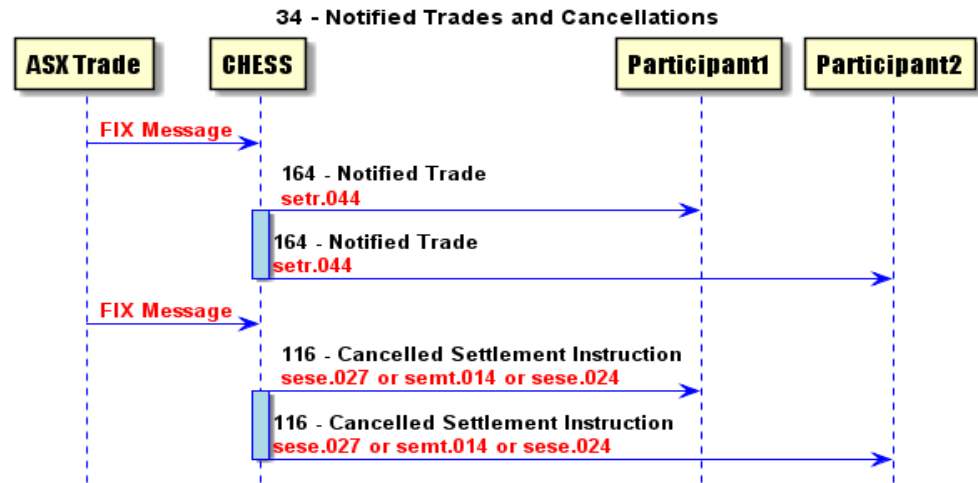


5.2.83. **Trade Registration Request**



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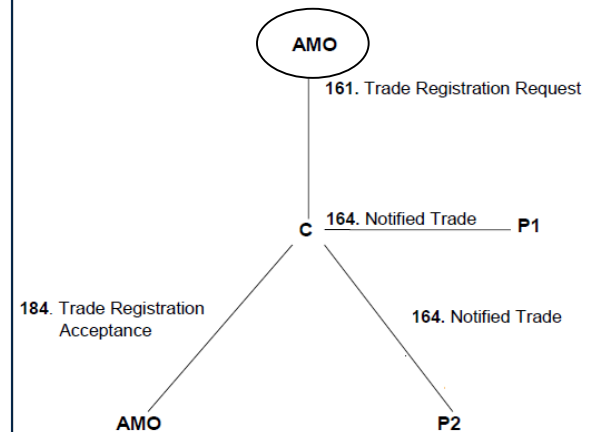
# CHESS External Interface Message 164
## Field Definitions

| Bit Position | Field Name | Format | | Mandatory/ Optional |
|---|---|---|---|---|
| 2 | Security Code | 12 | Character | M |
| 3 | Settlement Amount | 15 | ±Numeric, 2 decimal | M |
| 11 | Transaction Basis | 1 | Character | M |
| 12 | Settlement Date | 8 | Numeric | O |
| 13 | Trade Date | 8 | Numeric | M |
| 19 | Receiving PID | 5 | Numeric | M |
| 20 | Delivering PID | 5 | Numeric | M |
| 21 | Processing Timestamp | 22 | Character | M |
| 24 | Trade Execution Time | 6 | Numeric | M |
| 27 | Settlement Instruction Status | 1 | Character | M |
| 38 | Override Basis of Movement 1 | 2 | Character | O |
| 39 | Override Basis of Movement 2 | 2 | Character | O |
| 40 | Override Basis of Movement 3 | 2 | Character | O |
| 41 | Override Basis of Movement 4 | 2 | Character | O |
| 42 | Override Basis of Movement 5 | 2 | Character | O |
| 48 | Transaction Id | 16 | Character | M |
| 52 | Unit Quantity | 11 | Numeric | M |
| 62 | Origin Transaction Id | 16 | Character | M |
| 94 | As At Date | 8 | Numeric | O |
| 115 | Condition Code 1 | 2 | Character | O |
| 116 | Condition Code 2 | 2 | Character | O |
| 117 | Condition Code 3 | 2 | Character | O |
| 118 | Condition Code 4 | 2 | Character | O |
| 119 | Condition Code 5 | 2 | Character | O |
| 120 | Condition Code 6 | 2 | Character | O |
| 121 | Condition Code 7 | 2 | Character | O |
| 122 | Condition Code 8 | 2 | Character | O |
| 123 | Buyer Id | 4 | Numeric | M |
| 124 | Seller Id | 4 | Numeric | M |
| 146 | Basis of Quotation 1 | 2 | Character | O |
| 147 | Basis of Quotation 2 | 2 | Character | O |
| 148 | Basis of Quotation 3 | 2 | Character | O |
| 149 | Basis of Quotation 4 | 2 | Character | O |
| 150 | Basis of Quotation 5 | 2 | Character | O |
| 151 | Trade Reason | 1 | Character | M |
| 210 | Novation Indicator | 1 | Character | M |
| 216 | Buyer Order Reference Number | 10 | Character | O |
| 217 | Seller Order Reference Number | 10 | Character | O |

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# MyStandards Usage Guidelines – excel – setr.044
## Process UML Diagram

**34 - Notified Trades and Cancellations**

ASX Trade | CHESS | Participant1 | Participant2

FIX Message

164 - Notified Trade
setr.044

164 - Notified Trade
setr.044

FIX Message

116 - Cancelled Settlement Instruction
sese.027 or semt.014 or sese.024

116 - Cancelled Settlement Instruction
sese.027 or semt.014 or sese.024

## ISO 20022 Usage Guideline for EIS mapping

| | | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|
| 1 | | Publisher | ASX Detailed Mapping (SWIFT Standards Consulting/Workshops) | | | | |
| 2 | | Collection | ASX_AU_EPT_T1_D3 | | | | |
| 3 | | Usage Guideline Name | EIS164_R1_setr_044_001_02 | | | | |
| 4 | | Base Message | setr.044.001.02 | | | | |
| 5 | | | | | | | |
| 6 | Index / Lvl | Name | XML Tag | Mult | Type / Code | Restr | Additional details |
| 7 | 0 | Securities Trade Confirmation Status Advice V02 (setr.044.001.02) | <SctiesTradConfStsAdvc> | | | | Annotation: BAH Mapping - Business Message Identifier: 48 Transaction Id - Related Business Message Identifier: 62 Origin Transaction Id - ProcessingTimestamp: 21 Processing Timestamp  Annotation: EIS MT Message Definition - Message Type: 164 - Message Name: Notified Trade - Message Version: 03 - Message Definition: To notify to a Participant that a broker/broker trade has been received and is scheduled for future settlement. - Sender: CHESS - Receiver: Participant - Prerequisites: Receipt of a matched broker/broker trade from an Approved Market Operator Trading System or Creation of a Broker/Broker obligation resulting from a 139 Isolate Counterparty request being received by CHESS or As a result of CHESS isolating a counterparty at End of Day on Record Date for outstanding NBOs or Where a Clearing Participant has not been instructed by a Trading Participant to opt out of crossing registration.  Extension: OverrideBasisOfMovement of type MovementBasisCode_ASX_1 can be used as extension. NovationIndicator of type TrueFalseIndicator can be used as extension. BasisOfQuotation of type MovementBasisCode_ASX_1 can be used as extension. TransactionBasis of type SettlementTransactionType_ASX_1 can be used as extension. |

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# MyStandards Usage Guidelines – excel – setr.044
## Filter 'X' (Removed) Schema elements

# MyStandards Usage Guidelines – excel – setr.044
## EIS Field Annotations

| Index | Lvl | Name | XML Tag | Mult | Type / Code | Restr | Additional details |
|---|---|---|---|---|---|---|---|
| | 1 | Identification | &lt;Id&gt; | [1..1] | | | |
| | 2 | Transaction Identification | &lt;TxId&gt; | [1..1] | text{1,35} | T/C | Annotation:<br>EIS Message Field Specification<br><br>- Bit Position: 48<br>- Field Name: Transaction Id<br>- Size: 16<br>- Format: C<br>- Cardinality: M<br>- Field Definition: Uniquely identifies a transaction within CHESS.  Allocated by the user on submission of a transaction to ASX Clear.<br>---------------<br>Type Changed:<br>text{1,16} |

## Data Source Schema (DSS) Extensions

| Index | Lvl | Name | XML Tag | Mult | Type / Code | Restr | Additional details |
|---|---|---|---|---|---|---|---|
| | 1 | Processing Status | &lt;PrcgSts&gt; | [0..1] | Choice | [1..1] | |
| | 2 | Proprietary Status | &lt;PrtrySts&gt; | [0..1] | | [1..1] | |
| | 3 | Proprietary Status | &lt;PrtrySts&gt; | [1..1] | | | |
| | 4 | Identification | &lt;Id&gt; | [1..1] | text<br>[a-zA-Z0-9]{4} | | Annotation:<br>EIS Message Field Specification<br>- Bit Position: 27<br>- Field Name: Settlement Instruction Status<br>- Size: 1<br>- Format: C<br>- Cardinality: M<br>- Field Definition: The current status of a settlement instruction. |
| | 5 | Committed | | | CMTD | | Annotation:<br>EIS Field Allowable Value<br>- Allowable Value: B<br>- Description: Committed |
| | 5 | Cancelled | | | CANC | | Annotation:<br>EIS Field Allowable Value<br>- Allowable Value: C<br>- Description: Cancelled |
| | 5 | Information Only | | | INFO | | Annotation:<br>EIS Field Allowable Value<br>- Allowable Value: I<br>- Description: Information Only |

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# MyStandards Usage Guidelines – excel – setr.044
## Multiplicity

| Index | Lvl | Name | XML Tag | Mult | Type / Code | Restr | Additional details |
|---|---|---|---|---|---|---|---|
| | 4 | Issuer | \<Issr> | [1..1] | text{1,35} | | |
| | 2 | Trade Transaction Condition | \<TradTxCond> | [0..*] | Choice | [0..8] | Annotation:<br>EIS Message Field Specification<br>- Bit Position: 115, 116, 117, 118, 119, 120, 121 & 122<br>- Field Name: Condition Code 1 to 8<br>- Size: 2<br>- Format: C<br>- Cardinality: O<br>- Field Definition: Indicates the condition under which the sale was effected. |
| | 3 | Proprietary | \<Prtry> | [1..1] | | | |
| | 4 | Identification | \<Id> | [1..1] | text<br>[a-zA-Z0-9]{4} | | |
| | 4 | Issuer | \<Issr> | [1..1] | text{1,35} | | |

## Mapping of EIS fields to single ISO20022 element

| Index | I | Name | XML Tag | Mul | Type / Cod | Res | Additional details |
|---|---|---|---|---|---|---|---|
| | 2 | Trade Date | \<TradDt> | [1..1] | Choice | | |
| | 3 | Date | \<Dt> | [1..1] | Choice | | |
| | 4 | Date Time | \<DtTm> | [1..1] | dateTime | | Annotation:<br>EIS Message Field Specification<br><br>- Bit Position: 13<br>- Field Name: Trade Date<br>- Size: 8<br>- Format: N<br>- Cardinality: M<br>- Field Definition: The date on which a trade was originally made and the basis for calculating settlement date.<br>- Comment: Both trade date and execution time are combined in a single element in ISO 20022 as the Trade Date and Time.<br>----------------<br>Annotation:<br>EIS Message Field Specification<br><br>- Bit Position: 24<br>- Field Name: Trade Execution Time<br>- Size: 6<br>- Format: N<br>- Cardinality: M<br>- Field Definition: Time the trade was executed on the AMOs trading platform.<br>- Comment: Both trade date and execution time are combined in a single element in ISO 20022 as the Trade Date and Time. |

# MyStandards Usage Guidelines – excel – setr.044
## Amount with Credit Debit Indicator

| Index | Lvl | Name | XML Tag | Mult | Type / Code | Restr | Additional details |
|---|---|---|---|---|---|---|---|
| | 2 | Gross Trade Amount | `<GrssTradAmt>` | [0..1] | | | Annotation: EIS Message Field Specification - Bit Position: 3 - Field Name: Settlement Amount - Size: 15 - Format: N - Cardinality: M - Field Definition: The dollar value amount that is settled in a settlement instruction. |
| | 3 | Amount | `<Amt>` | [1..1] | 0 <= decimal td = 18 fd = 5 | | |
| | 4 | Xml Attribute Currency | `<Ccy>` | | text [A-Z]{3,3} | | |
| | 3 | Credit Debit Indicator | `<CdtDbtInd>` | [0..1] | text | | |
| | 4 | Credit | | | CRDT | | Annotation: EIS Field Allowable Value - Allowable Value: + - Description: + Sign |
| | 4 | Debit | | | DBIT | | Annotation: EIS Field Allowable Value - Allowable Value: - - Description: - Sign |

## Schema elements

| Index | l | Name | XML Tag | Mul | Type / Cod | Res | Additional details |
|---|---|---|---|---|---|---|---|
| | 1 | Delivering Settlement Parties | `<DlvrgSttlmPties>` | [0..1] | | [1..1] | |
| | 2 | Depository | `<Dpstry>` | [0..1] | | [1..1] | |
| | 3 | Identification | `<Id>` | [1..1] | Choice | | |
| | 4 | BIC | `<BIC>` | [1..1] | text [A-Z]{6,6}[A-Z2-9][A-NP-Z0-9]([A-Z0- | | |
| | 2 | Party 1 | `<Pty1>` | [0..1] | | [1..1] | |
| | 3 | Identification | `<Id>` | [1..1] | Choice | | Annotation: EIS Message Field Specification - Bit Position: 20 - Field Name: Delivering PID - Size: 5 - Format: N - Cardinality: M - Field Definition: The PID of the participant who controls the delivering HIN of a securities movement. |
| | 4 | BIC | `<BIC>` | [1..1] | text [A-Z]{6,6}[A-Z2-9][A-NP-Z0-9]([A-Z0- | | |
| | 4 | Proprietary Identification | `<PrtryId>` | [1..1] | | | |
| | 5 | Identification | `<Id>` | [1..1] | text{1,35} | T/C | Type Changed: text [0-9]{1,5} |
| | 5 | Issuer | `<Issr>` | [1..1] | text{1,35} | | |

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# MyStandards Usage Guidelines – excel – setr.044
## Supplementary Data Extension

| Index | Lvl | Name | XML Tag | Mult | Type / Code | Restr | Additional details |
|---|---|---|---|---|---|---|---|
| | 1 | Transaction Basis | <TxBsis> | [1..1] | text | A | Annotation:<br>EIS Message Field Specification<br><br>- Bit Position: 11<br>- Field Name: Transaction Basis<br>- Size: 1<br>- Format: C<br>- Field Definition: Characterises a movement of securities. |
| | 2 | Initial Public Offering | | | IPOO | (A) | |
| | 2 | Facility For Non Reportable Transaction | | | FNRT | (A) | |
| | 2 | Stock Lending Activity | | | SECL | (A) | |
| | 2 | Market | | | MRKT | (A) | |
| | 2 | Off Market | | | XOFF | (A) | |

# Providing and collating feedback on usage guidelines
## SWIFT MyStandards

ASX will publish usage guidelines in the ASX CHESS Replacement community, ready for member review.
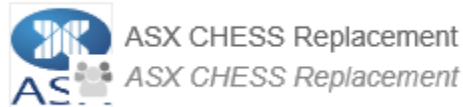


ASX will provide information on how to register on MyStandards, and access the community.

Members are requested to provide feedback on each usage guideline via the 'Comment' function in MyStandards.  Information on how to do this available in the 'Help' section of MyStandards:
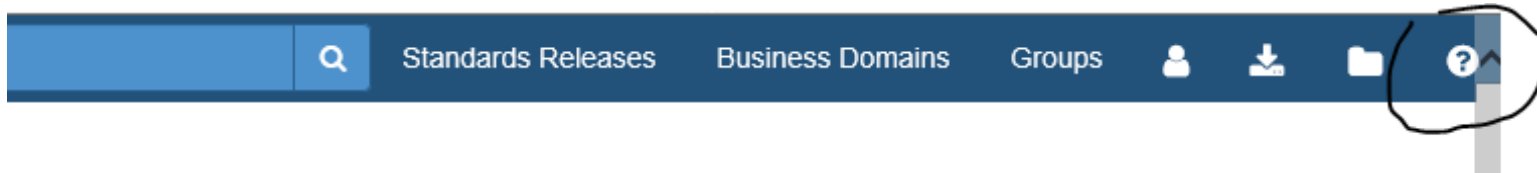


Then select the section 'How to provide feedback on MyStandards content?'

# Providing and collating feedback on usage guidelines
## SWIFT MyStandards



The Comments function allows ASX to collate all feedback in one place, and use the reporting function to consolidate the comments and track feedback.

Members are requested to use the Comments function for feedback on the ISO 20022 equivalents of EIS 164, 101 – now available in the ASX CHESS Replacement Community.

# Review of CHESS reporting messages

SWIFT High Level Gap Analysis feedback – strengths, weaknesses, opportunities:

- ✓ Many reporting options and criteria defined

- ✓ Ability to schedule reports

- ✗ Replayed messages delivered as reports instead of actual message (copy)

- ✗ Too many scenarios and report content

- ✗ High customer dependency on reports for reconciliation

- ☆ Streamline reporting structure / formats

- ☆ Provide delta reporting

- ☆ Provide query and response reporting service

# Review of CHESS reporting messages
## Demand reporting

CHESS reporting messages can be distinguished as either Routine or Demand reporting:

- **Routine Reporting**: information that CHESS provides routinely in the course of messaging. The retention of routinely supplied information allows participants to create reports in their own systems appropriate to their business needs;

- **Demand Reporting**: supplied by CHESS as requested by the user. The request can be submitted to CHESS using CHESS message 503 – Reporting Request.

Refer to the summary of Demand Reporting provided to members.

Questions:

| # | Question |
|---|----------|
| Q1 | Are there any messages that you consider to be reports that are not included in the attached list? |
| Q2 | Are there any messages in the attached list that you do not consider to be CHESS reports? |
| Q3 | Have you requested any reports in the past year that are shown as zero usage in the attached list? |
| Q4 | If you have a standing instruction for a report is it typically a) set and forget; or b) actively managed? |
| Q5 | If you actively manage your report requests, how do you do this? |
| Q6 | Are there any reporting requests that you are certain your organisation would never use? |
| Q7 | Do you agree with ASX's proposed report types to descope from CHESS report availability? |
| Q8 | If you disagree with ASX's suggested descope, please provide a reason? |
| Q9 | A number of report types provide similar lists of returned messages. Would it make sense to combine some of these report types? For example refer to the comment on report type TPB. |
| Q10 | Are there any reporting requirements you would like CHESS to provide that aren't currently available? For example, additional information, additional report type. |

# Next meeting, more information

- Noted actions from this meeting

  - Including member set up in MyStandards, review of 164, 101

- Draft minutes from this meeting will be distributed for review

- Scheduling of training webinar – 26, 27 or 28 April, 2 or 3pm start – 2 hours

- Next meeting to be held on Tuesday 2 May 2017, 3pm (2 hours) – topics:

  - Business Application Header
  - Transaction ids
  - Feedback - ISO 20022 mapping – 164 – Notified Trade
  - Feedback – ISO 20022 mapping – 101 – Dual Entry Settlement Notification
  - Review ISO 20022 mapping - 134 – Scheduled Net Obligation
                                138 – Netted Trade

- More information on CHESS Replacement & Technical Committee documents:

  http://www.asx.com.au/services/chess-replacement.htm

  Or email ASX project team:  CHESSReplacement@asx.com.au

Thank you