



# ISO 20022 Technical Committee Meeting

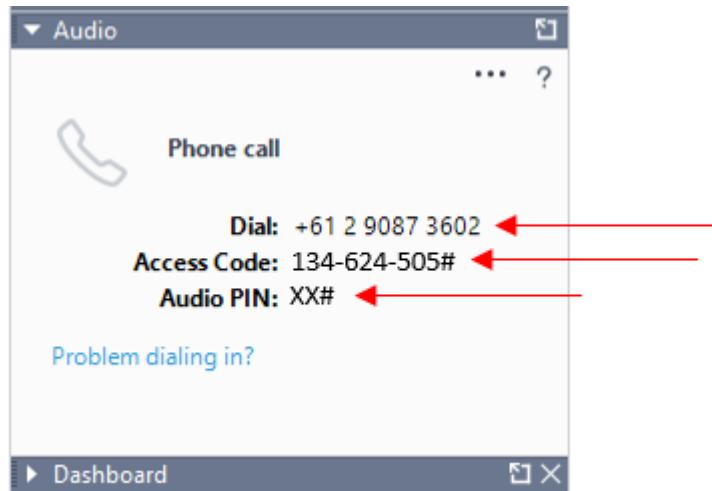
17 April 2018



ASX

# Joining by webinar

Please note that ASX is now using the GoToWebinar platform for this meeting. Details provided by email. Once you have registered and clicked on the link to join the webinar you will need to join the audio by phone, not PC. Each attendee will have a unique PIN assigned, as shown below. Please follow any instructions to check your system, PC.



## Attendee Participation

Join audio:

- Choose Telephone and dial using the information provided
- You will need the unique 2 digit audio pin to ask questions.

# Agenda

1. Agenda overview

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2. Minutes from last meeting, open actions

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3. CHESS Replacement project update by ASX

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4. ISO 20022 project update by ASX

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5. Update from Business Committee (verbal)

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6. Matters for Consideration:

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6a Review 'as-is' mapping change profile

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6b Publication of 'as is' collection

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6c Overview of key changes for the 'to-be' collection

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6d Case Study: consolidated netting messages

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6e 'To-be' collections and message naming convention

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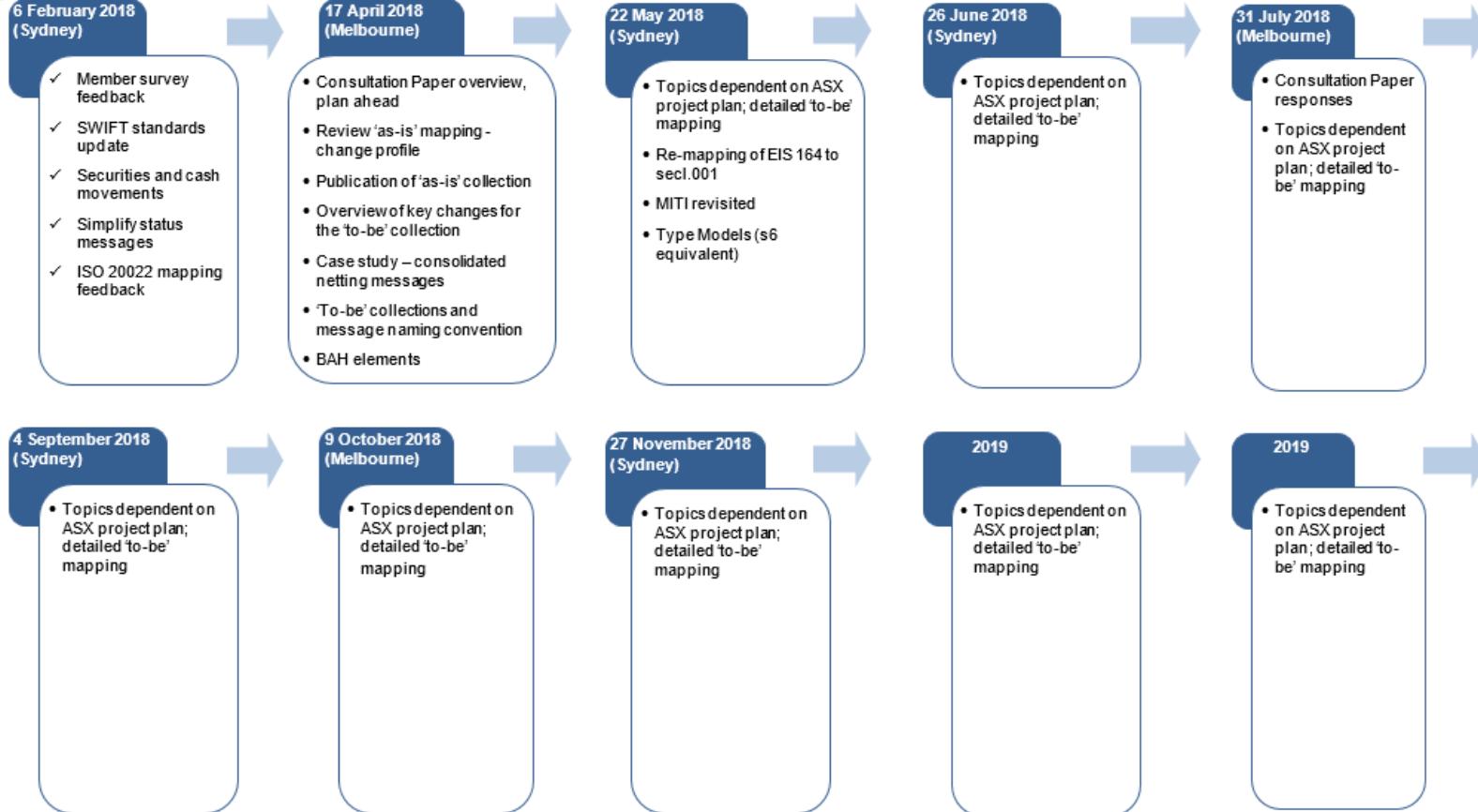
6f Business Application Header (BAH) elements

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Next meeting

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# Forward agenda overview



## 2. Minutes and actions

Minutes for 6 February 2018 meeting available on [CHESS Replacement web page](#), including all open, closed action items. Open action items:

No.	Meeting Date	Open Action Items	Owner	Due Date	Status
20	2 May 2017	Provide details of a proposed plan including potential topics for the remaining training webinars for feedback, including identification of business vs. technical topics.	ASX	On hold	On hold
49	6 Feb 2018	ASX to confirm additional 'as-is' usage guidelines that could be published in Q2 and members to provide expression of interest in reviewing this set.	ASX	17 Apr 2018	Refer agenda item 6b

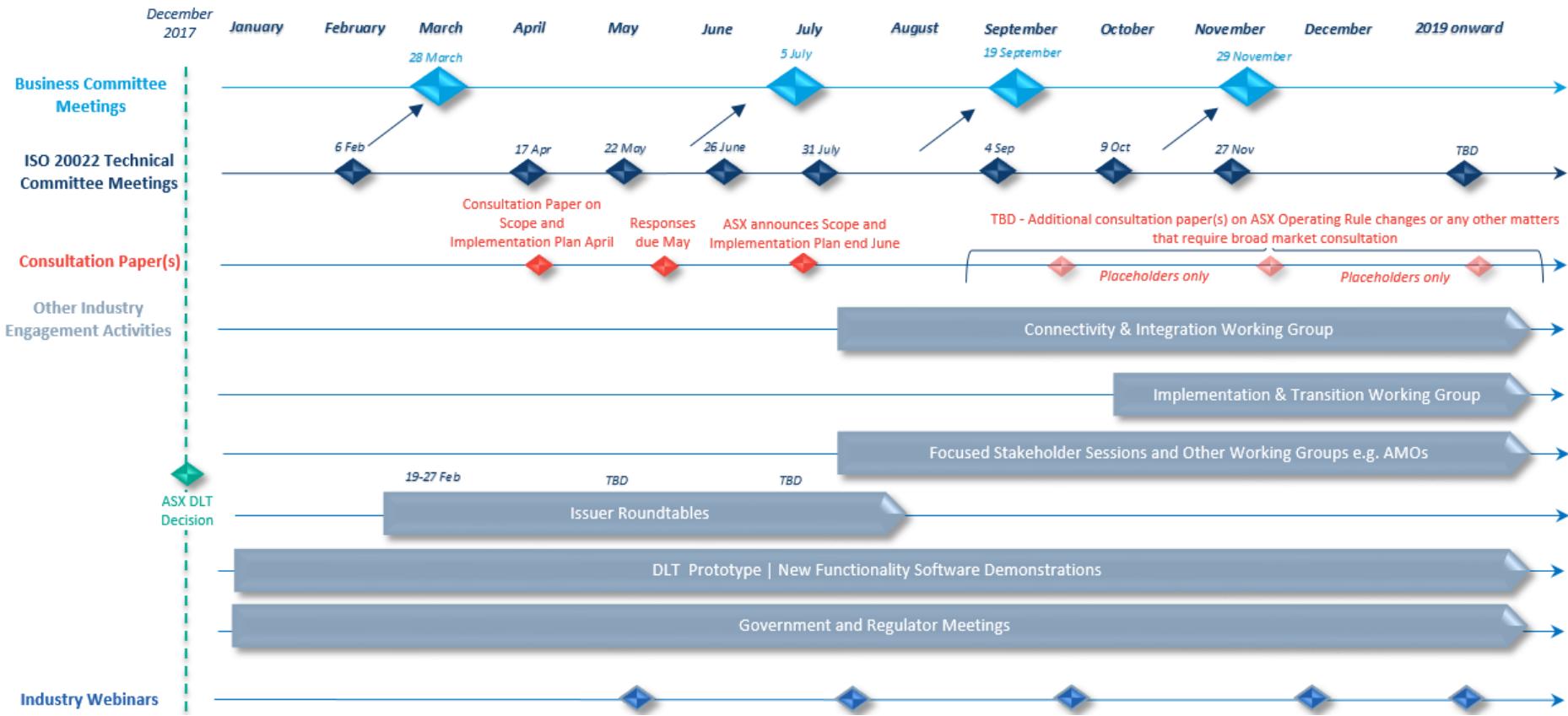
### 3. CHESS Replacement Project update

#### Consultation Paper overview

- Provide Technical Committee members with a verbal overview of the consultation paper
- The high level focus of the consultation paper is on:
  - Functional and non-functional scope of replacement system
  - Implementation planning
- The consultation paper is not a technical specification document. Further technical details will be progressively published during the lifecycle of the project
- The consultation paper will be published in April and stakeholders will have six weeks to provide their feedback
- **This update is being provided on a confidential basis, prior to finalisation of the paper**

### 3. CHESS Replacement Project update

#### Engagement plan 2018+



## 4. ISO 20022 project update by ASX

### 'As-is' mapping:

- All 'as-is' usage guidelines now finalised
- Part of 'as-is' collection to be published, per agenda item 6b
- Current scope of work with SWIFT standards team is complete per schedule

### 'To-be' mapping:

- Work has commenced on mapping changes to align with Day 1 scope
- Iterative process, dependent upon ASX project team work schedule
- Expect to share draft 'to be' guidelines with Technical Committee members first for discussion, highlight key changes, recommendations
- Formal documentation to be released progressively to broader community
- Continued SWIFT standards engagement – support for Technical Committee, assistance with New Message creation & registration, change requests (to ISO, and re T2S messages)
- Will allow for early format testing by customers/vendors of messages

## 4. Update from SEG, T2S Evaluation team

- **Securities Standards Evaluation Group – ISO 20022 (global)**

Agenda: upcoming registrations, reviews, updates from each evaluation team  
Meeting update: February, March 2018

- **T2S Evaluation Team (sub group of SEG) (global)**

Formed to specifically review the T2S sponsored new messages for registration; makes recommendation to SEG  
Meeting update: February, March 2018

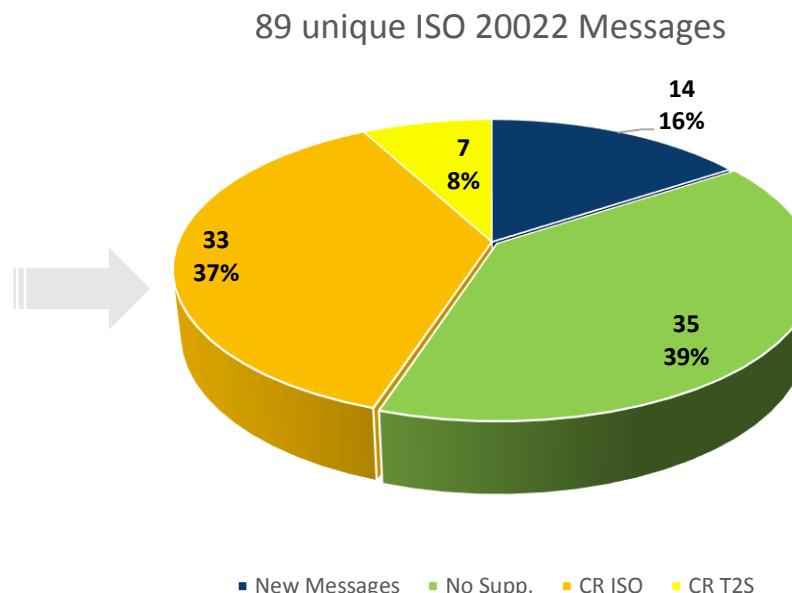
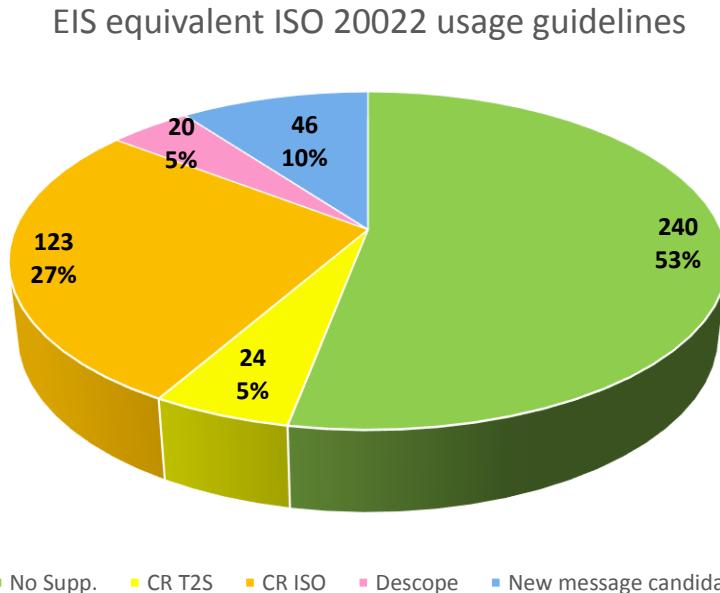
## 5. Update from Business Committee

## 6. Matters for consideration

## 6a Review ‘as-is’ mapping change profile

ISO 20022 Compliance – ASX ISO 20022 supplementary data usage – ‘as-is’ FINAL

2018 FINAL ‘as-is’ scope (453 CHESS EIS messages)



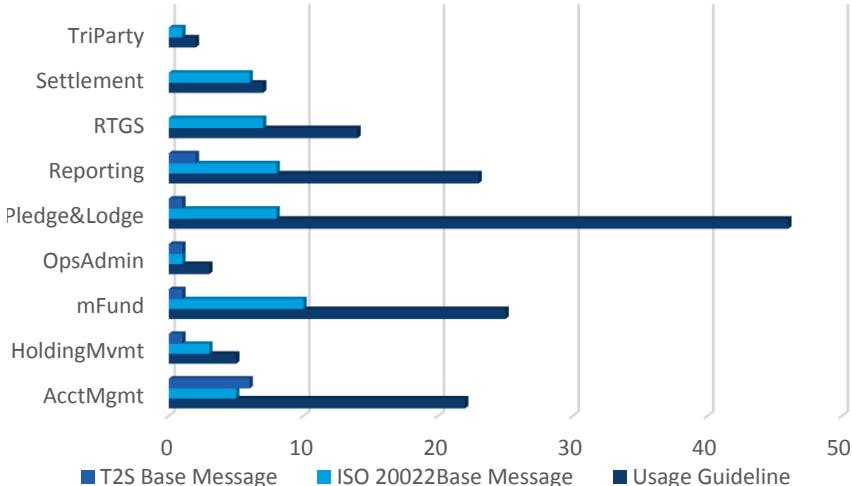
## 6a Review 'as-is' mapping change profile

### ISO 20022 Compliance – ASX ISO 20022 supplementary data usage – 'as-is' FINAL

#### Message status overview – H2 2018 scope (CHESS 453 messages)

EIS	New Messages	Descoped	No Supp. mapping	CR - Change Request candidates			mapped EIS messages
			0 element	1 element	2 elements	more>= 3	
CR T2S				11	4	9	
CR ISO				57	28	38	
Total EIS	46	20	240	68	32	47	453
Total EIS %	10%	4%	53%	15%	7%	10%	100%

- 53% of 'as-is' is 100% ISO compliant
  - 15% of 'as-is' need 1 element to be 100% ISO compliant
  - 46 UG's in Pledge&Lodge relate to 8 (1 T2S) base messages
- 21 require Linkage as an element which would make 16 100% ISO compliant
- Stamp duty has been agreed to be removed which was potentially 28 requests for 9 UGS and 4 ISO base messages



# 6b Publication of 'as-is' collections

Release of ASX catalogue of 'as-is' usage guidelines developed with SWIFT Standards team

- Technical Committee asked at Nov 17 meeting which (if any) 'as-is' message sets should be published for review
- Some interest for Securities Transformation (Holding Movement), Takeover (Collateral), and other registry flows
- Many prefer to review only 'to-be' ISO guidelines which reflect CHESS Replacement processes and Day 1 scope

➤ ASX publishing 2017 catalogue of 300+ 'as-is' usage guidelines in MyStandards community for information only

All 'as-is' guidelines included except those inactive or in development by CHESS i.e. (RTGS, mFund)

Technical Committee Review collection of 'as-is' guidelines remain available

'As-is' guidelines grouped by 'to-be' collection names but retain EIS Message Ids

e.g. EIS201 in ASX\_AU\_CHS\_acct collection as EIS201\_R1\_reda\_018\_001\_01

➤ ASX is not seeking feedback on the as-is catalogue

'As-is' represents a baseline for 'to-be' catalogue and will not be maintained

Any reviews are out of interest for the TC member

ASX won't respond to MyStandards comments

TC members are reminded the 'as-is' guidelines are not CHESS replacement specifications

And no assumptions should be made that these resemble 'to-be' guidelines

ASX CHESS Replacement <span style="background-color: red; color: white; border-radius: 5px; padding: 2px;">CLOSED</span>	
Collections	Members
➤ ASX_AU_EPT_Technical_Committee_Review	
➤ ASX_AU_CHS_admn	
➤ ASX_AU_CHS_acct	
➤ ASX_AU_CHS_hold	
➤ ASX_AU_CHS_comm	
➤ ASX_AU_CHS_sett	
➤ ASX_AU_CHS_pldg	
➤ ASX_AU_CHS_rptg	

# 6c Overview of key changes for the ‘to-be’ collection

## ISO 20022 messaging protocol for CHESS Replacement

‘To-be’ messaging simplified from ‘as-is’ ISO guidelines

- Applying ASX recommendations from 2017 TC meetings
- ‘To-be’ message names and usage, EIS Message numbers replaced e.g. Netted Obligation Report (sett.102) consolidates like data sets of 134 Netted Obligation & 138 Netted Trade(s)
- ‘To-be’ guideline annotations:
  - ASX ISO Message Definition (replaces EIS MT Message Definition)  
‘To-be’ Message Name per MyStandard collections and Message Number  
EIS Numbers for as-is mapping i.e. 134\_01, 138\_01
  - ASX New Data Requirement (‘to-be’ field definition)  
Similar detail to EIS field definitions, No equivalent EIS Bit Position {min,max} length, Format and Cardinality as for EIS fields (C/N and M/O)
  - New Data Requirement (‘as-is’ ISO mandatory values)  
Required data with no corresponding EIS fields

Annotation: ASX ISO Message Definition

- ISO Base Message: secl.010.001.03
- Message Name: sett.102
- Message Description: Netted Obligation Report
- Message Version: 001\_01
- Message Definition: To notify a Participant of their netted settlement obligation as a result of netting one or more target trades that are no longer scheduled for settlement.
- Sender: ASX
- Receiver: Clearing Participant
- Prerequisite: A scheduled trade eligible for netting.
- EIS Number: 134\_01, 138\_01

Annotation: ASX New Data Requirement

- Bit Position: n/a
- Field Name: Target Transaction Identifier
- Size: {16}
- Format: C
- Cardinality: M
- Field Definition: The identifier of the transaction which is the target of the required action, e.g. a settlement date update, a cancellation message.
- Comments: Field not present in EIS134 message definition but added as part of EIS138

Annotation: New Data Requirement

- Title: Receiving Depository
- Type: Mandatory ISO 20022 Element not present in EIS
- Description: Receiving Depository is mandated in ISO 20022 for a delivering instruction and has been defaulted to CHESS BIC.

# 6c Overview of key changes for the ‘to-be’ collection

## ISO 20022 Messaging protocol for CHESS Replacement

‘To-be’ messaging simplified from ‘as-is’ ISO guidelines

- Rationalised related messaging using XML
  - e.g. Target Transaction Id occurs [1..\*] in Netted Obligation Report
- Removed duplicate field mapping when message values redundant
  - e.g. Single BP21 Processing Timestamp mapping to BAH Creation Date  
→ Only carry-forward required EIS fields in ‘to-be’ Guidelines.
- Financial Instrument
  - ASX as sender will include both ISIN and ASX Code
  - Either format accepted for other senders
- Party Identification - choice of BIC or UIC(PID)  
BIC8 or BIC11 character, connected (and unconnected if not SWIFTNet)  
Requirement for sharing BIC for selected UIC to be discussed
- Align Settlement Amount sign with industry practice ...

```
<Sup:NtdTrdDtIs>
  <Sup:TtlMsgCnt>2</Sup:TtlMsgCnt>
  <Sup:TrgtTxId>9142000096975500</Sup:TrgtTxId>
  <Sup:TrgtTxId>9142000096985500</Sup:TrgtTxId>
</Sup:NtdTrdDtIs>
```

Annotation:Business Rule  
- Identification: Creation Date Time  
- Description: Use same value as in BAH Creation Date

```
<FinInstrmld>
  <ISIN>AU000000BHP4</ISIN>
  <OthrId><Id>BHP</Id>
    ...
    <Tp><Prtry>INFO</Prtry></Tp>
  </OthrId>
</FinInstrmld>
```

```
<Fr>...<Othr><Id>00001</Id></Othr>...</Fr>
<To>...<AnyBIC>ABCDAU2LSYD</AnyBIC>...</To>
```

## 6c Overview of key changes for the ‘to-be’ collection

### ISO 20022 Messaging protocol for CHESS Replacement

Align Settlement Amounts to industry practice for posting

- Explicit Credit (cash in) and Debit (cash out)  
Replaces negative override used by CHESS
- Credit Debit Indicator from the perspective of Party1 in Delivering (DELI) or Receiving (RECE) Settlement Party
- Cash movement generally opposite to Securities Movement Type (DELI/RECE)  
but units and cash can move in same direction
- In sample,  
RECE (receives) Securities Movement of 5000 units and  
DBIT (decrease) Settlement Amount of AUD 5000.00  
for Receiving Settlement Party1 (ABCDAU2LMEL)
- Special cases: Zero Settlement Amount a Credit (increase)  
Zero units a DELI (delivery) by Participant

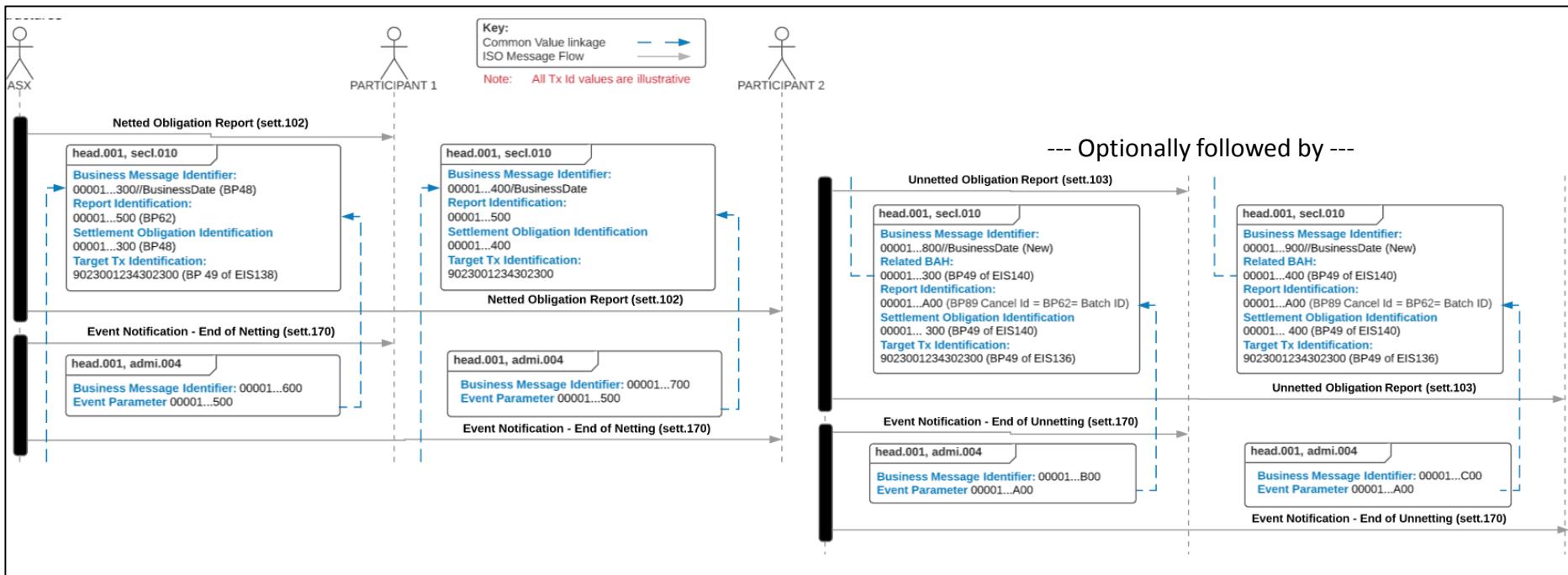
```
<Qty><Unit>5000</Unit></Qty>
<SttlmAmt>
  <Amt Ccy='AUD">50000.00</Amt>
  <CdtDbtInd>DBIT</CdtDbtInd>
</SttlmAmt>...
<SctiesMvmntTp>RECE</SctiesMvmntTp>...
<SttlmPties>
  <RcvgSttlmPties>...
    <Pty1>...<AnyBIC>ABCDAU2LMEL</AnyBIC></Pty1>
  </RcvgSttlmPties>
  <DlvrgrSttlmPties>...
    <Pty1>...<Id>08332</Id><Issr>XASX</Issr></Pty1>
  </DlvrgrSttlmPties>
</SttlmPties>
```

Annotation: New Data Requirement

- Title: Security Movement Type
- Type: Mandatory ISO 20022 Element not present in EIS
- Description: Value is DELI when Clearing Participant is the Delivering Settlement Party, and RECE when Clearing Participant is the Receiving Settlement Party.

## 6d Case Study: Consolidated netting messages

Tx Id model: Netted Obligation Report (sett.102) , Unnetted Obligation Report (sett.103)  
with Netting Event Notification (sett.170)



## 6d Consolidated netting messages

### Sample sett.102 (Netted Obligation Report) with to-be mark-up

Settlement Amount

Changed from ISO as-is

ISO Guideline	to-be: ASX_AU_CHS_sett_102_001_01_secl_001_03.xsd	as-is: ASX_AU_CHS_sett_EIS134_secl_001_03.xsd
Document	<p>sett.102</p> <pre>&lt;RptId&gt;0000123456789000&lt;/RptId&gt; &lt;RptDtAndTm&gt;2018-03-05T02:55:00.001Z&lt;/RptDtAndTm&gt; &lt;PgNb&gt;1&lt;/PgNb&gt;&lt;LastPgInd&gt;true&lt;/LastPgInd&gt; &lt;SttlmOblgtnId&gt;0000122222333400&lt;/SttlmOblgtnId&gt; &lt;ISIN&gt;AU000000WPL2&lt;/ISIN&gt;&lt;Id&gt;WPL&lt;/Id&gt;&lt;Prtry&gt;INFO&lt;/Prtry&gt; &lt;IntnddSttlmDt&gt;2008-03-07&lt;/IntnddSttlmDt&gt; &lt;Qty&gt;&lt;Unit&gt;1000&lt;/Unit&gt;&lt;/Qty&gt; &lt;SttlmAmt&gt;&lt;Amt Ccy="AUD"&gt;97000.00&lt;/Amt&gt; &lt;CdtDbtInd&gt;DBIT&lt;/CdtDbtInd&gt;&lt;SttlmAmt&gt; &lt;PlcOfTrad&gt;VARI&lt;/PlcOfTrad&gt; &lt;SctiesMvmntTp&gt;RECE&lt;/SctiesMvmntTp&gt;&lt;Pmt&gt;APMT&lt;/Pmt&gt; &lt;RcvgSttlmPties&gt;&lt;Dpstry&gt;XASXAU2S&lt;/Dpstry&gt; &lt;Pty1&gt;ABCDAU2LSYD&lt;Pty1&gt;&lt;/RcvgSttlmPties&gt; &lt;DlvrgrSttlmPties&gt;&lt;Dpstry&gt;XASXAU2S&lt;/Dpstry&gt; &lt;Pty1&gt;08332&lt;Issr&gt;XASX&lt;/Issr&gt;&lt;/Pty1&gt; &lt;TrgtTxId&gt;9142000096975500&lt;/TrgtTxId&gt; &lt;TrgtTxId&gt;9142000096985500&lt;/TrgtTxId&gt;</pre>	<p>EIS134</p> <pre>&lt;RptId&gt;0000123456789000&lt;/RptId&gt; &lt;RptDtAndTm&gt;2018-03-05T02:55:00&lt;/RptDtAndTm&gt; &lt;PgNb&gt;1&lt;/PgNb&gt;&lt;LastPgInd&gt;true&lt;/LastPgInd&gt; &lt;SttlmOblgtnId&gt;0000122222333400&lt;/SttlmOblgtnId&gt; &lt;Id&gt;WPL&lt;/Id&gt;&lt;Prtry&gt;INFO&lt;/Prtry&gt; &lt;IntnddSttlmDt&gt;2008-03-07&lt;/IntnddSttlmDt&gt; &lt;Qty&gt;&lt;Unit&gt;1000&lt;/Unit&gt;&lt;/Qty&gt; &lt;SttlmAmt&gt;&lt;Amt Ccy="AUD"&gt;97000.00&lt;/Amt&gt; &lt;CdtDbtInd&gt;CRDT&lt;/CdtDbtInd&gt;&lt;SttlmAmt&gt; &lt;PlcOfTrad&gt;VARI&lt;/PlcOfTrad&gt; &lt;Pmt&gt;APMT&lt;/Pmt&gt; &lt;RcvgSttlmPties&gt;&lt;Dpstry&gt;XASXAU2S&lt;/Dpstry&gt; &lt;Pty1&gt;01402&lt;Pty1&gt;Issr&gt;XASX&lt;/Issr&gt;&lt;/Pty1&gt; &lt;DlvrgrSttlmPties&gt;&lt;Dpstry&gt;XASXAU2S&lt;/Dpstry&gt; &lt;Pty1&gt;08332&lt;Issr&gt;XASX&lt;/Issr&gt;&lt;/Pty1&gt; &lt;134:TtlMsgCnt&gt;2&lt;/TtlMsgCnt&gt; ---&lt;EIS138:TrgtTxId&gt;9142000096975500&lt;/TrgtTxId&gt; ---&lt;EIS138:TrgtTxId&gt;9142000096985500&lt;/TrgtTxId&gt;</pre>
Both ISIN and ASX Code	<p>UTC &amp; subseconds</p>	
ASX New Data Requirement	<p>Credit if Party1 receives cash, Debit if pays cash</p>	Was Credit unless cash in same direction as units
BIC format Party Id for single UIC		
Multiple Netted Trades in single ISO message		

## 6d Consolidated netting messages

Sample sett.103 (Unnetted Obligation Report) with to-be mark-up

Key features

ISO Guideline	to-be: ASX_AU_CHS_sett_103_001_01_secl_001.03.xsd	as-is: ASX_AU_CHS_sett_EIS140_secl_001_03.xsd
Document	<p>sett.103</p> <pre> &lt;RptId&gt;0000135792468000&lt;/RptId&gt; &lt;RptDtAndTm&gt;2018-03-06T04:11:22.123Z&lt;/RptDtAndTm&gt; &lt;PgNb&gt;1&lt;/PgNb&gt;&lt;LastPgInd&gt;true&lt;/LastPgInd&gt; &lt;SttlmOblgtnId&gt;000012222333300&lt;/SttlmOblgtnId&gt; &lt;ISIN&gt;AU000000WPL2&lt;/ISIN&gt;&lt;OthrId&gt;WPL&lt;Prtry&gt;INFO&lt;/Prtry&gt; &lt;IntnddSttlmDt&gt;2008-03-07&lt;/IntnddSttlmDt&gt; &lt;Qty&gt;&lt;Unit&gt;1000&lt;/Unit&gt;&lt;/Qty&gt; &lt;SttlmAmt&gt;&lt;Amt Ccy="AUD"&gt;97000.00&lt;/Amt&gt; &lt;CdtDbtInd&gt;DBIT&lt;/CdtDbtInd&gt;&lt;/SttlmAmt&gt; &lt;PlcOfTrad&gt;VARI&lt;/PlcOfTrad&gt; &lt;SctiesMvmntTp&gt;RECE&lt;/SctiesMvmntTp&gt;&lt;Pmt&gt;APMT&lt;/Pmt&gt; &lt;TtlMsgCnt&gt;2&lt;/TtlMsgCnt&gt; &lt;TrgtTxId&gt;9142000096975500&lt;/TrgtTxId&gt; &lt;TrgtTxId&gt;9142000096985500&lt;/TrgtTxId&gt;</pre> <p>Same unit &amp; amount values as sett.102. NOT reversal</p> <p>No Settlement Parties for cancel of obligation</p> <p>BP49 link to sett.102 per EIS140.</p> <p>Reference of re-instated Market Trades replaces EIS136's</p>	<p>EIS140</p> <pre> &lt;RptId&gt;0000135792468000&lt;/RptId&gt; &lt;RptDtAndTm&gt;2018-03-06T04:11:22&lt;/RptDtAndTm&gt; &lt;PgNb&gt;1&lt;/PgNb&gt;&lt;LastPgInd&gt;true&lt;/LastPgInd&gt; &lt;SttlmOblgtnId&gt;000012222333300&lt;/SttlmOblgtnId&gt; &lt;OthrId&gt;WPL&lt;Prtry&gt;INFO&lt;/Prtry&gt;&lt;/OthrId&gt; &lt;IntnddSttlmDt&gt;2008-03-07&lt;/IntnddSttlmDt&gt; &lt;Qty&gt;&lt;Unit&gt;1000&lt;/Unit&gt;&lt;/Qty&gt; &lt;SttlmAmt&gt;&lt;Amt Ccy="AUD"&gt;97000.00&lt;/Amt&gt; &lt;CdtDbtInd&gt;CRDT&lt;/CdtDbtInd&gt;&lt;/SttlmAmt&gt; &lt;PlcOfTrad&gt;VARI&lt;/PlcOfTrad&gt; &lt;Pmt&gt;APMT&lt;/Pmt&gt; &lt;EIS140:TtlMsgCnt&gt;2&lt;/TtlMsgCnt&gt; ---</pre> <p>&lt;EIS136:TrgtTxId&gt;9142000096975500&lt;/TrgtTxId&gt;</p> <p>&lt;EIS136:TrgtTxId&gt;9142000096985500&lt;/TrgtTxId&gt;</p>

## 6e ‘To-be’ collections and message naming convention

### ‘To-be’ Collection Name and Message Id

The message will be grouped by Business Process

To- be' Business Process	Collections	Message Range	
Account Management	acct	001	100
Settlement	sett	101	200
Holding Movement	hold	201	300
Pledge and Lodge Management	pldg	301	400
mFund Service	mfnd	401	500
Reporting	rptg	601	700
Common	comm	801	850
Operations Admin	admn	851	899

Examples of New Message Id:

Current Message Id	Collection	Id	New Message Id
BAH001	comm	001	comm_801
EIS164	sett	101	sett_101
EIS134 and EIS138	sett	102	sett_102
EIS136 and EIS140	sett	103	sett_103
EIS542	sett	170	sett_170
EIS201	acct	001	acct_001
EIS202	acct	002	acct_002

\* More Collections can be added during the CHESS Replacement Project

## 6e ‘To-be’ collections and message naming convention

### Usage Guideline name convention

#### Message Name convention

<Institution\_Country\_Service>\_<Collection\_MessageID>\_<Release\_Version>\_<ISO 20022 base message>

**ASX\_AU\_CHS\_hold\_201\_001\_01\_sese\_023\_001\_07**

- ❖ Institution\_Country\_Service – ASX\_AU\_CHS
- ❖ Collections and Message Id– hold\_201
- ❖ Release and Version– 001\_01
- ❖ Name of ISO message – sese\_023\_001\_07

# 6f ‘To-be’ Business Application Header (BAH)

## Business Application Header (BAH) elements

BAH	Content
From	01402
To	00001
Business Message Identifier (TxId)	01402000000201112280000000000123400
Message Definition Identifier	sese.023.001.07
Business Service	hold_201_001_01_!p
Creation Date	2017-10-23T07:43:22.002Z

### ❖ UIC Code: 01402

- **User Identification Code:** 5 numeric - users must insert their own User Identification Code

### ❖ BIC: CTBAAU2SXXX

- **Business Party prefix:** 4an- **CTBA**
- **Country code (ISO 3166-1):** 2a- **AU**
- **Business Party suffix:** 2an- **2S**
- **Branch Identifier:** 3an- **XXX**

**From:** It is always a choice between UIC (User Identification Code ) or BIC

**To:** It is always a choice between UIC (User Identification Code ) or BIC

<Othr><Id>

```
<AppPrt xmlns="urn:iso:std:iso:20022:tech:xsd:iso20022:appl">
  <Fr>
    <OrgId>
      <Id>
        <Othr>
          <Id>01402</Id>
        </Othr>
      </OrgId>
    </Id>
  </OrgId>
</Fr>
<To>
  <OrgId>
    <Id>
      <Othr>
        <Id>00001</Id>
      </Othr>
    </OrgId>
  </Id>
  <OrgId>
    <Id>
      <AnyBIC>CTBAAU2S</AnyBIC>
    </Id>
  </OrgId>
</To>
</AppPrt>
```

<AnyBIC>

```
<AppPrt xmlns="urn:iso:std:iso:20022:tech:xsd:iso20022:appl">
  <Fr>
    <OrgId>
      <Id>
        <AnyBIC>CTBAAU2S</AnyBIC>
      </Id>
    </OrgId>
  </Id>
  <OrgId>
    <Id>
      <AnyBIC>XASXAU2S</AnyBIC>
    </Id>
  </OrgId>
</To>
</AppPrt>
```

# 6f ‘To-be’ Business Application Header (BAH)

## Transaction Id format

### ‘As-is’ Transaction Id format

A Transaction Id is composed of **16 characters**.

- ❖ **UIC (5 numerics)** - users must insert their own User Identification Code
- ❖ **User Defined Identifier (9 characters)** - The user may insert any data in this area. It must be unique across all other transactions submitted
- ❖ **Accrual Number (2 numerics)** - This sub-field must contain numeric zeros. (CHESS may generate non-zero accrual number)



BAH	Content
From	01402
To	00001
Business Message Identifier (TxId)	01402000000201112280000000000123400
Message Definition Identifier	sese.023.001.07
Business Service	hold_201_001_01_!p
Creation Date	2017-10-23T07:43:22.002Z

**‘To-be’ Participant Identification is a choice between UIC and BIC**



- ❖ Transaction Id {16,16} isn't enough to support Any BIC and New Unique Transaction Id created by ASX.

## 6f ‘To-be’ Business Application Header (BAH)

### ‘To-be’ Transaction Id recommendation

**‘To-be’ Transaction Id:** Adoption of ISO20022 Transaction Id data type of {1,35} using delimiter (|- vertical line)

UIC

01402|123456|00

Participant  
Identification      User Defined  
Identifier      Accrual Number

BIC

CTBAAU2S|AABBCC12345|00

Participant  
Identification      User Defined  
Identifier      Accrual Number

- ✓ The vertical line (|) will delimit the required Participant Identification, User Defined Identifier and Accrual Number.
- ✓ While minimum equal 1, ASX will define minimum field information and format.
- ✓ Users need to be able to support current and other formats of Transaction Id (16 characters and others variations).
- ✓ Accrual Number will be applied only if applicable.
- ✓ This format facilitates Migration.

**ASX recommendation: adoption of Transaction Id data type of {1,35} using delimiter (|- vertical line)**

## 6f ‘To-be’ Business Application Header (BAH)

### ‘To-be’ Transaction Id recommendation

‘To-be’ Transaction Id: Adoption of ISO20022 Transaction Id data type of {1,35} restricting to {35,35}

UIC

01402000000	0000000
Participant Identification	User Defined Id
11 first position	22 position

# THIS SLIDE

# REPLACED

0000123400
Accrual Number
2 Numerics

- ✓ The first 11 positions
  - ❖ UIC {5,5} is left
  - ❖ In case of BIC

- ✓ User Defined Identifier  
00000000000000000000

- ✓ And, Accrual Number of 2 numeric

**ASX recommendation: adoption of Transaction Id data type (35,35) and format above.**

)2000000  
. Example: CTBAAU2SXXX

zeros must be entered. Ex:

## 6f ‘To-be’ Business Application Header (BAH)

Business Service, Transaction Id structure and Business Service model

### ‘To-be’ Business Service structure

<Collection\_MessageID>\_<Release\_Version>\_<Environment>

**hold\_201\_001\_01\_!p**

- ❖ Collection Name and Message Id – **hold\_201**
- ❖ Release and Version - **001\_01**
- ❖ Environment – **!p** (e.g. production)

BAH	Content
From	01402
To	00001
Business Message Identifier (TxId)	01402000000201112280000000000123400
Message Definition Identifier	sese.023.001.07
Business Service	<b>hold_201_001_01_!p</b>
Creation Date	2017-10-23T07:43:22.002Z

**Identification of Message usage through the BAH:**

- ✓ **Business Service:** replace legacy EIS Message
- ✓ **Related Business Message Identifier:** links to previous message
- ✓ **Related Business Service:** identify initiating event
- ✓ **Element inside the message:** Identify business event

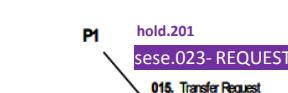
**ASX recommendation: use of collection name and message name in the Business Service.**

# 6f 'To-be' Business Application Header (BAH)

Business Service Model, Transaction Id structure and Business Service model

<b>Request</b>	hold.201
<b>Status</b>	hold.202
<b>Acknowledge</b>	hold.204
<b>Confirmation</b>	hold.203

## Transfer Request

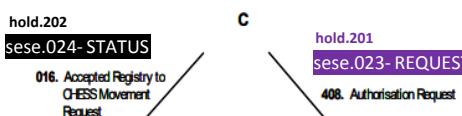


BAH		BAH- Related	
Tx Id	BizSvc	Tx Id	BizSvc
100	hold.201	n/a	n/a
Transfer. Request		n/a	

\* Status Element

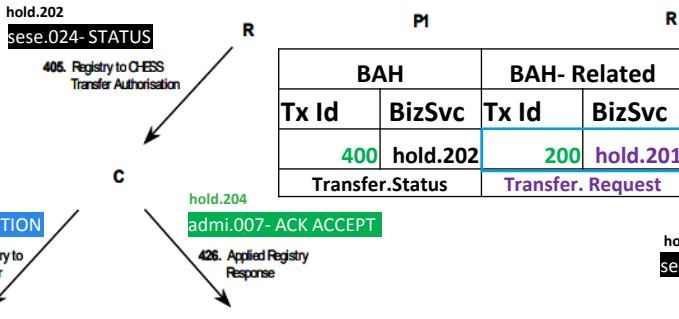
The Approvals can not be identified by business service  
Solution: Use of the element status inside the message.

BAH		BAH- Related	
Tx Id	BizSvc	Tx Id	BizSvc
300	hold.202	100	hold.201
Transfer.Status		Transfer. Request	



BAH		BAH- Related	
Tx Id	BizSvc	Tx Id	BizSvc
200	hold.201	100	hold.201
Transfer. Request		Transfer. Request	

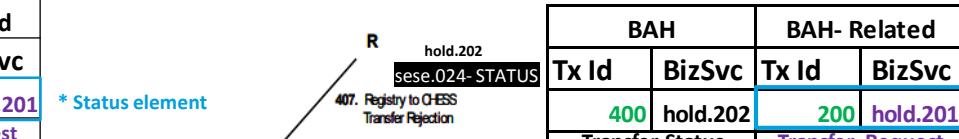
## Authorisation



BAH		BAH- Related	
Tx Id	BizSvc	Tx Id	BizSvc
600	hold.203	400	hold.202
Transfer.Confir		Transfer.Status	

BAH		BAH- Related	
Tx Id	BizSvc	Tx Id	BizSvc
700	hold.204	400	hold.202
ACK. ACCEPT		Transfer.Status	

## Rejection



BAH		BAH- Related	
Tx Id	BizSvc	Tx Id	BizSvc
400	hold.202	200	hold.201
Transfer.Status		Transfer. Request	

\* Status element

BAH		BAH- Related	
Tx Id	BizSvc	Tx Id	BizSvc
700	hold.204	400	hold.202
ACK. ACCEPT		Transfer.Status	

\* Status element



# Closing

# Next meeting

- Noted actions from this meeting
- 'As-is' collection to be published for member information
- Draft minutes from this meeting will be distributed for review
- Next meeting to be held Tuesday 22 May 2018 – Sydney, webinar

Matters for consideration:

- > tbc
- 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](mailto:CHESSReplacement@asx.com.au)

# Thank you.