# ISO 20022 Technical Committee Meeting

26 June 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.
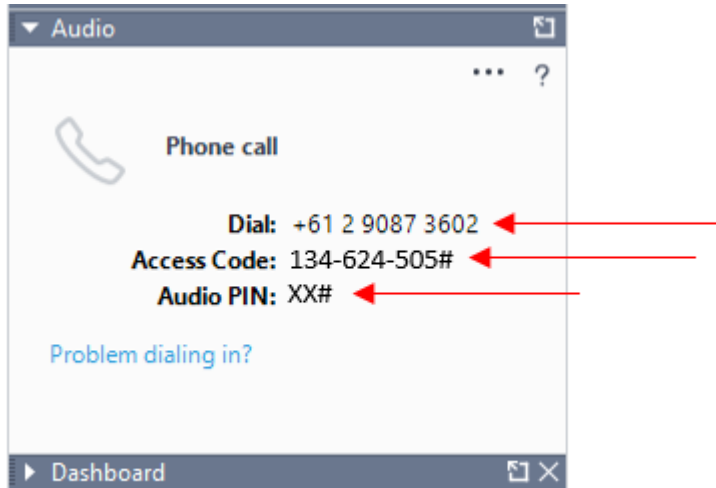
Attendee Participation

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

2. Minutes from last meeting, open actions

3. CHESS Replacement project update by ASX

4. ISO 20022 project update by ASX

5. Update from Business Committee (verbal)

6. Matters for Consideration:

    6a   Review feedback on draft published messages – netting

    6b   Further review of Notified Broker to Broker Trade 'to-be' messaging

    6c   Registration details – further discussion

    6d   Creation of account (HIN)

    6e   More information on sample xml considerations

    6f   Review of 'to-be' messaging – sett_101, sett_104

Next meeting

Forward agenda overview

6 February 2018 (Sydney)

- ✓ Member survey feedback
- ✓ SWIFT standards update
- ✓ Securities and cash movements
- ✓ Simplify status messages
- ✓ ISO 20022 mapping feedback

17 April 2018 (Melbourne)

- ✓ Consultation Paper overview, plan ahead
- ✓ Review 'as-is' mapping - change profile
- ✓ Publication of 'as-is' collection
- ✓ Overview of key changes for the 'to-be' collection
- ✓ Case study – consolidated netting messages
- ✓ 'To-be' collections and message naming convention
- ✓ BAH elements

22 May 2018 (Sydney)

- ✓ ISO 20022 integration options
- ✓ Review of Notified Broker to Broker Trade 'to-be' messaging
- ✓ Registration details – 'to-be' format
- ✓ Transaction Id – allowable character set
- ✓ Business Application Header (BAH) – 'to-be' format
- ✓ Data Source Scheme with ASX External code lists
- ✓ Use of BIC as Party Identifier – adoption considerations
- ✓ Review of Netting 'to-be' messaging

26 June 2018 (Sydney)

- Review feedback on Netting 'to-be' messaging
- Further review of Notified Broker to Broker Trade 'to-be' message – Sett_101
- Registration details
- Creation of account (HIN)
- More information on sample xml considerations
- Review of Sett_101, Sett_104 messaging

31 July 2018 (Melbourne)

- Consultation Paper responses
- Overview of Readiness Portal
- Overview of project documentation
- Topics dependent on ASX project plan; detailed 'to-be' mapping

4 September 2018 (Sydney)

- Topics dependent on ASX project plan; detailed 'to-be' mapping

9 October 2018 (Melbourne)

- Topics dependent on ASX project plan; detailed 'to-be' mapping

27 November 2018 (Sydney)

- Topics dependent on ASX project plan; detailed 'to-be' mapping

2019

- Topics dependent on ASX project plan; detailed 'to-be' mapping

2019

- Topics dependent on ASX project plan; detailed 'to-be' mapping

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2. Minutes and actions

Minutes for 22 May 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
50	22 May 2018	Digital Asset to review the NDA regarding the DAML SDK and respond to questions around one way vs. two way.	DA	26 June 2018	
51	22 May 2018	ASX to consider how impacted stakeholders could be engaged on the standards for registration details prior to the next meeting.	ASX	26 June 2018	
52	22 May 2018	ASX to give consideration to how it would advise users of any change to the external code lists and report back to members.	ASX	26 June 2018	
53	22 May 2018	Members to answer 4 questions if they are considering using a BIC as their party identification: whether they would use a new or existing BIC, whether the BIC was connected or non-connected, whether it was a BIC8 or BIC11, and if that BIC would apply to all activity for that organisation or actor, or for multiple activities. Examples would be helpful.	Members	26 June 2018	

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3. CHESS Replacement Project update
Engagement plan 2018+
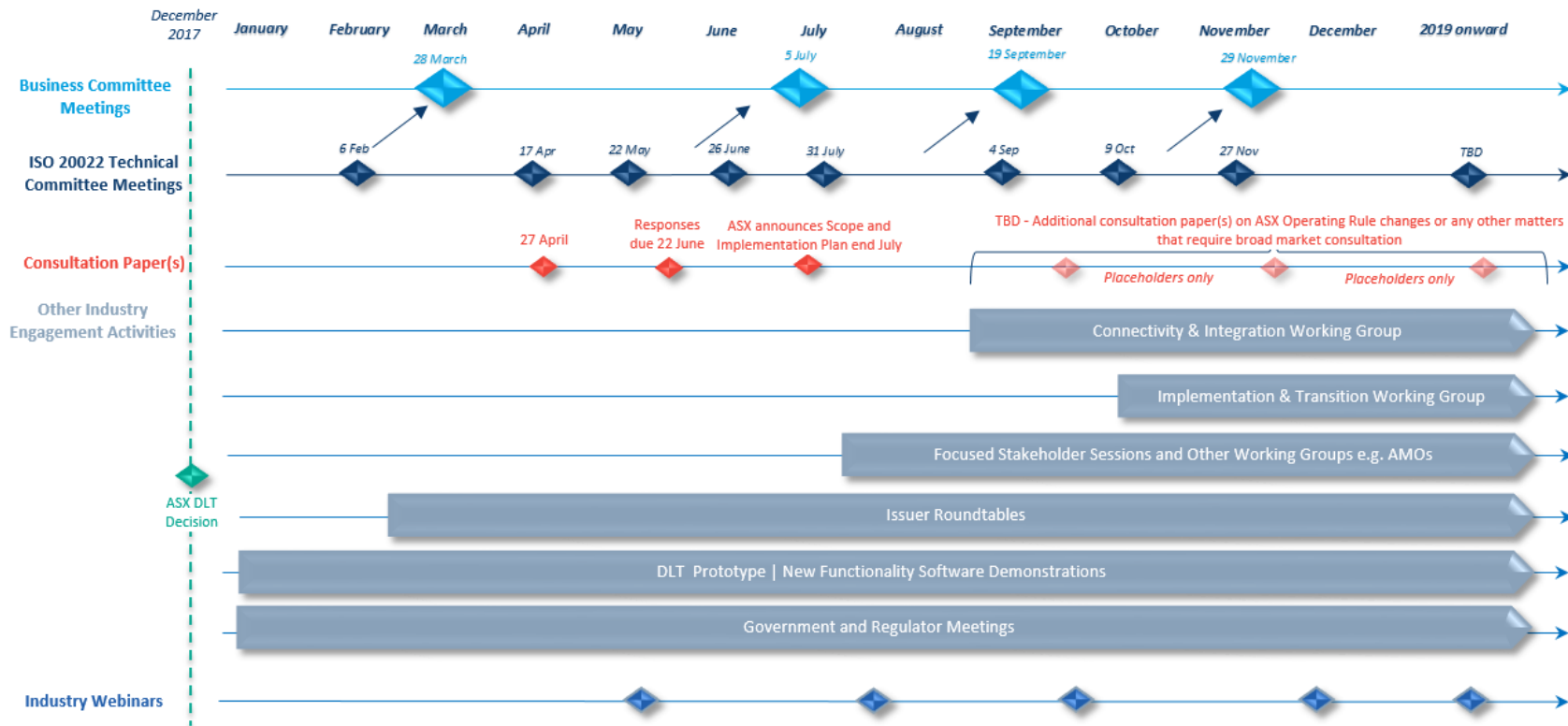
4. ISO 20022 project update by ASX

'To-be' mapping:

➢ Topics complete or in progress:

 ➢ Trade registration – sett_101, sett_104 (for further discussion today)

 ➢ Netting, unnetting (review of member comments today)

 ➢ Account management – creation of account (for discussion today)

 ➢ Party roles

 ➢ Continue work on registration details

➢ Global ISO 20022 engagement

 ➢ ISO 20022 Securities Standards Evaluation Group (SEG)

 ➢ T2S Evaluation Team (sub group of SEG)

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4. ISO 20022 project update by ASX

ISO 20022 Change Request – Business Application Header (BAH)

- 1 June 2018 cut-off for Change Requests for Standards Release 2019 updates
- > SWIFT notified ASX of 4 proposed submissions by others to change BAH, therefore opportunity for ASX to submit Change Request
  - Previous BAH CR's rejected by SEG as benefits did not justify impact
  - Approval likely to add Legal Entity Identifier as regulatory requirement
  - Other Change Requests may be included in v2

→ SWIFT supported ASX-submitted Change Request to add Business Date
  - Proposed to standardise mapping for Business Date in BAH – equivalent of EIS BP21 Processing Timestamp
  - Avoids mapping to different elements in messages or overloading BizMsgIdr in BAH with //YYYYMMDD
  - Process - draft message reviewed in Q3, 2018 by SEG, change confirmed in Q1, 2019

ASX recommends using the v2 DRAFT of BAH ahead of release in November 2019. Changes if not approved.

Lvl	Name	XML Tag	Mult	Type / Cod	Restr
0	Business Application Header **V02** (head.001.001.02)	<AppHdr>			
1	From	<Fr>	[1..1]	Choice	
1	To	<To>	[1..1]	Choice	
1	Business Message Identifier	<BizMsgIdr>	[1..1]	text{1,35}	
1	Message Definition Identifier	<MsgDefIdr>	[1..1]	text{1,35}	T/C
1	Business Service	<BizSvc>	[0..1]	text{1,35}	[1..1]
1	Creation Date	<CreDt>	[1..1]	dateTime .*Z	
1	Business Date	<BizDt>	[0..1]	date	
1	Priority	<Prty>	[0..1]	text	
1	Signature	<Sgntr>	[0..1]		[1..1]
1	Related	<Rltd>	[0..1]		
2	From	<Fr>	[1..1]	Choice	
2	To	<To>	[1..1]	Choice	
2	Business Message Identifier	<BizMsgIdr>	[1..1]	text{1,35}	
2	Message Definition Identifier	<MsgDefIdr>	[1..1]	text{1,35}	T/C
2	Business Service	<BizSvc>	[0..1]	text{1,35}	[1..1]
2	Creation Date	<CreDt>	[1..1]	dateTime .*Z	
2	Business Date	<BizDt>	[0..1]	date	
2	Signature	<Sgntr>	[0..1]		X

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5. Update from Business Committee

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6. Matters for consideration

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Message Numbering, Obligation linking, non-netted notifications?

45 comments received since release on 29 May

- by 1 vendor and 1 participant member
- 14 comments for comm_801 Business Application Header; and sett_102 Netted Obligation Report
- Also 31 comments on 'as-is' sett collection from 2017!

No Feedback on new artefacts: .xml sample, codes, model

Business Application Header/BusinessService <BizSvc>

- New message numbering scheme, not EIS, not only ISO base message
- Unique Id in the project's message catalogue, and within a collection
- Read with MessageDefinitionIdentifier <MsgDefIdr> value

Netted Obligation Report (sett_102)

- No further reporting of non-netted Settlement Obligations
  (New considerations for Clearing and Settlement Participants)
- Will continue to review with other clearing messages
- Alternative link using References/ element to Trade Notification
- → Refer to 'to-be' Trade Registration process in today's agenda
- Credit Debit Indicator made mandatory and zero value is a CRDT.
- → Remains Against Payment Settlement
- 2 x Settlement Parties blocks in base message
- SettlementParties/DeliveringSettlementParties and ReportDetails/…/ReceivingSettlementParties

Ooops: Total Message Count with annotation for Trade Date. Thanks!

102_001_01_secl_010_001_03			
ASX_AU_CHS_draft_sett (Technical version: 1)	Publisher	ASX	
	Technical version	1	
	Standard	secl.010.001.03	
3 attached document(s) ▼ Show details	Documents + add	For direct download	
ASX_AU_CHS_draft_comm		MessageModelNetting.pdf	✕
Documents + add	For direct download	Sample_sett_102_BAH.xml	✕
	ASX Proprietary Code List.pdf ✕	Sample_sett102_RECE_docum...	✕

As-is Message Id	Collection	Id	To-be Message Id
BAH001	draft_comm	001	comm_801
EIS134 and EIS138	draft_sett	102	sett_102
EIS542	draft_sett	170	sett_170

```
<MsgDefIdr>secl.010.001.03</MsgDefIdr>
<BizSvc>sett_102_001_01_!p</BizSvc>
```

```
<Document xsi:schemaLocation="urn:iso:std:iso:20022:tech:xsd:secl.010.001.03
          ASX_AU_CHS_sett_102_001_01_secl_010_001_03.xsd >
```

Credit Debit Indicator	<CdtDbtInd>	[0..1]	text	[1..1]	Comment: The Settlement Amount in ISO 20022 cannot be negative, but is extended with the Debit/Credit Indicator, which allow to specify whether the amount is a debit on the receiving account or a credit on the receiving account. Note: When the NBO results in zero value use CRDT

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6b Further review of Notified Broker to Broker Trade 'to-be' messaging

ASX 'to-be' recommendation endorsed at the last TC meeting:

To remove the 'Trade Serial Number' from the Transaction Identifier and to report this in the ISO document <TradExcnId> for sett_101

Introducing the following concepts:

- Segregation of Clearing and Settlement roles/participants
- Trade Leg Details
- Buy/Sell indicator
- Masking of data within the sett_101
- Who receives a sett_101
- Cancellation Overview

ASX

6b Sett_101 – What's New?

1. Split of Clearing and Settlement Participant details

```
1   <?xml version="1.0" encoding="UTF-8"?>
2   <Document xmlns="urn:iso:std:iso:20022:tech:xsd:sec1.001.001.03" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="
3           <TradLegUltcte>
4                   <ClrMmb>
5                   <!--><BIC></BIC>alternative</!-->
6                           <PrtryId>
7   <!-->Buy Sell Indicator value of BUYI results in Clearing Member value for Clearing Participant of Receiving Settlement Participant</!-->
8                                   <Id>01402</Id>
9                                   <Issr>XASX</Issr>
10                          </PrtryId>
11                  </ClrMmb>
12                  <ClrAcct>
13  <!-->Market Settlement entrepot of Settlement Participant - not related to Clearing Member</!-->
14                          <Id>1234567890</Id>
15                          <Tp>HOUS</Tp>
16                  </ClrAcct>
17                  <NonClrMmb>
18  <!-->Buy Sell Indicator value of BUYI results in Non Clearing Member value for Receiving Settlement Participant)</!-->
19                          <Id>
20  <!--><AnyBIC></AnyBIC>alternative</!-->
21                                  <PrtryId>
22                                          <Id>01403</Id>
23                                          <Issr>XASX</Issr>
24                                  </PrtryId>
25                          </Id>
```

Clearing Participant
<ClrMmb>
Clearing Member Details

Settlement Participant
<NonClrMmb>
Non Clearing Member Details

Note: If Clearing and Settlement participants are the same, duplicate details will be provided in <ClrMmb> and <NonClrMmb> details

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6b Sett_101 – What's New?

2. Trade Leg Details

Index	Lvl	Name	XML Tag	Mult	Type / Code
	1	Clearing Details	<ClrDtls>	[0..1]	
	1	Trade Leg Details	<TradLegDtls>	[1..1]	
	2	Trade Leg Identification	<TradLegId>	[1..1]	text{1,35}
	2	Trade Execution Identification	<TradExctnId>	[1..1]	text{1,35}
	2	Trade Date	<TradDt>	[1..1]	dateTime
	2	Transaction Date Time	<TxDtTm>	[1..1]	dateTime
	2	Settlement Date	<SttlmDt>	[0..1]	Choice
	2	Financial Instrument Identification	<FinInstrmId>	[1..1]	
	2	Buy Sell Indicator	<BuySellInd>	[1..1]	text
	2	Trade Quantity	<TradQty>	[1..1]	Choice
	2	Deal Price	<DealPric>	[1..1]	
	2	Place Of Trade	<PlcOfTrad>	[1..1]	
	2	Trade Type	<TradTp>	[1..1]	text
	2	Trading Party	<TradgPty>	[1..1]	Choice
	2	Trading Capacity	<TradgCpcty>	[1..1]	text

No longer in the Transaction Id but within the document under <TradExctnId>

<TradDt> = Will contain DATE and Time will be 00:00:00.000Z

<TxDtTm> will be UTC to match AMO
Eg 2018-05-31T11:11:01.015Z

ASX recommendation: Transaction Date Time <TxDtTm> to be in UTC
Welcome feedback by 17 July 2018

Trading Party is populated with the Buyer or Seller Id dependant upon the **Buy Sell Indicator**

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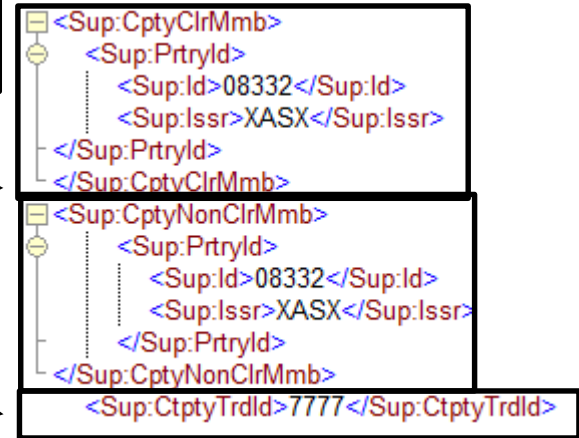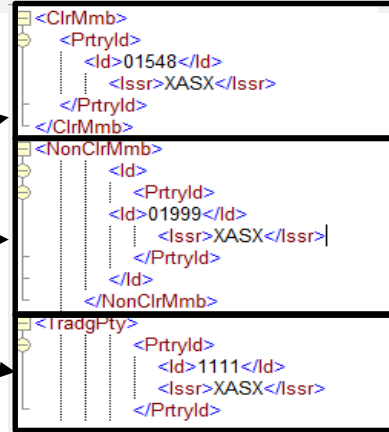# 6b Buy Sell indicator also drives the following:

3. Buy / Sell Indicator

This drives the population of the **message recipient details:**

- Clearing Participant
- Settlement Participant
- Trading Party

And the counterparty details:

- Counterparty Clearing Participant
- Counterparty Settlement Participant
- Counterparty Trading Id

```
<ClrMmb>
    <PrtryId>
        <Id>01548</Id>
        <Issr>XASX</Issr>
    </PrtryId>
</ClrMmb>
```

```
<NonClrMmb>
    <Id>
        <PrtryId>
        <Id>01999</Id>
            <Issr>XASX</Issr>
        </PrtryId>
    </Id>
</NonClrMmb>
```

```
<TradgPty>
    <PrtryId>
        <Id>1111</Id>
        <Issr>XASX</Issr>
    </PrtryId>
```

```
<Sup:CptyClrMmb>
    <Sup:PrtryId>
        <Sup:Id>08332</Sup:Id>
        <Sup:Issr>XASX</Sup:Issr>
    </Sup:PrtryId>
</Sup:CptyClrMmb>
```

```
<Sup:CptyNonClrMmb>
    <Sup:PrtryId>
        <Sup:Id>08332</Sup:Id>
        <Sup:Issr>XASX</Sup:Issr>
    </Sup:PrtryId>
</Sup:CptyNonClrMmb>
<Sup:CtptyTrdId>7777</Sup:CtptyTrdId>
```

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4. Masking Data

Example for a novated market trade where all counterparty details are masked:

Key Elements	Buy sett_101	Sell sett_101
<BuySellInd>	BUYI	SELL
<ClrMmb> (Clearing Participant)	01548 – UIC	06535 – UIC
<NonClrMmb> (Settlement Participant)	01999 – UIC	06535 – UIC
<TradgPty>	1111 – Trading Id	6535 – Trading Id
<Sup:CptyClrMmb> (Clearing Participant)	08332 (Masking 06535)	08332 (Masking 01548)
<Sup:CptyNonClrMmb> (Settlement Participant)	08332 (Masking 06535)	08332 (Masking 01999)
<Sup:CtptyTrdId>	7777 (Masking 6535)	7777 (Masking 1111)

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6b Who receives the sett_101

Settlement Participant always receives the sett_101 and where the Clearing Participant is different, the participant will also receive a sett_101
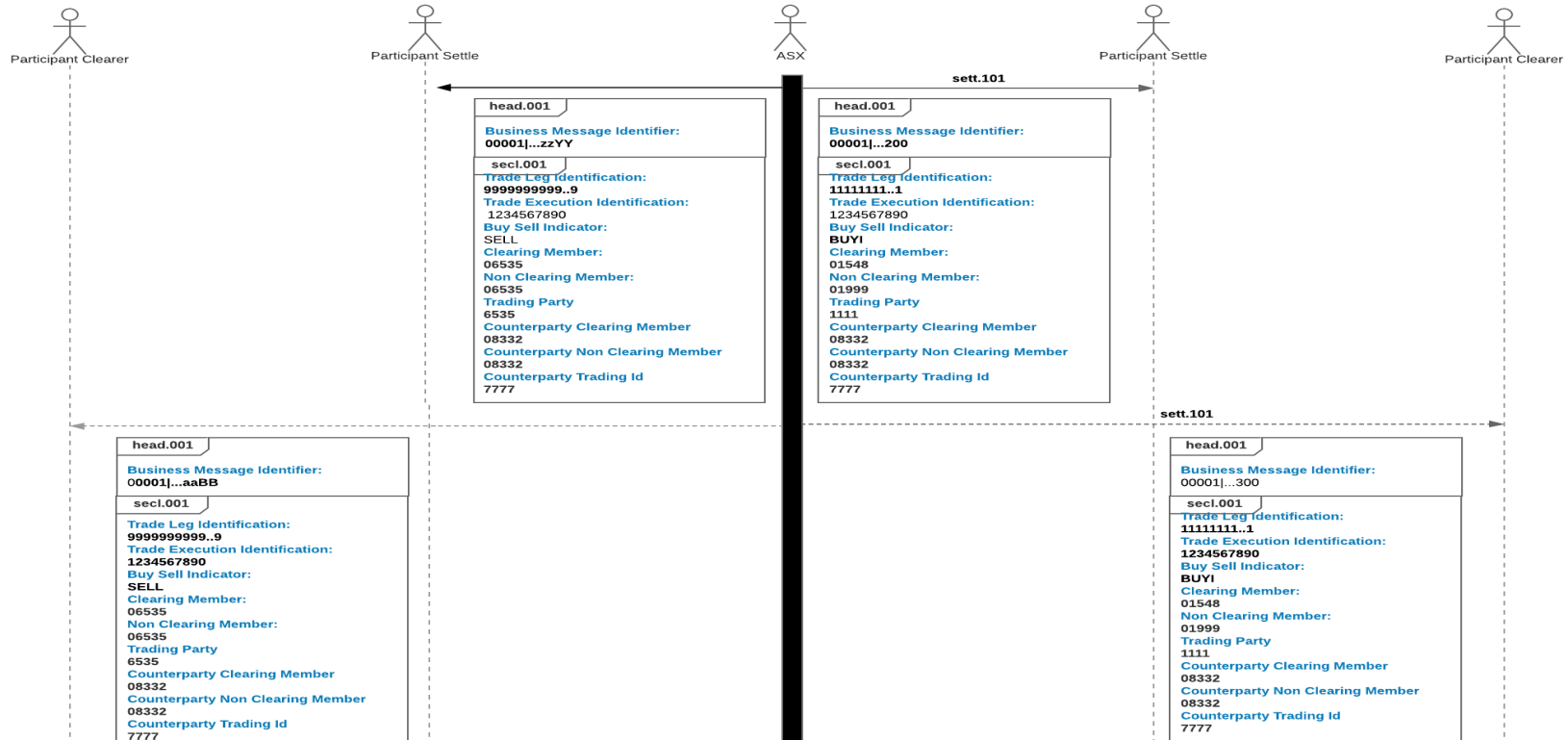
```xml
<Document xmlns="urn:iso:std:iso:20022:tech:xsd:sese.027.001.05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:iso:std:iso:20022:tech:xsd:sese.027.001.05 ASX_AU_CHS_sett_104_001_01_sese_027_001_05.xsd">
  <SctiesTxCxlReqStsAdvc>
    <!-->System generated Event Identifier of 32 char i.e. without hyphens, no UIC| prefix and no accrual no. suffix.
    Independent of BAH/BizMsgIdr which has UICI prefix and shortened (8char?) UUID without hyphens  - as 6 of 35char used for prefix</!-->
    <CxlReqRef>
      <Id>AaBbCcDdEeFf0123456789AABBCCDDEE</Id>
    </CxlReqRef>
    <TxId>
      <AcctOwnrTxId>
        <OthrTxId>
          <Id>9999999999..9</Id>
          <!-->Link is Trade Leg Notification Id from sett_101 which is 32char UUID</!-->
        </OthrTxId>
      </AcctOwnrTxId>
    </TxId>
    <PrcgSts>
      <Canc>
        <Rsn>
          <Cd>
            <Prtry>
              <!-->Value from ASX Proprietary Code list for CancellationReasonCode_ASX_1</!-->
              <Id>ASXC</Id>
              <Issr>XASX</Issr>
            </Prtry>
          </Cd>
          <!-->Business Date of Cancellation.  Processing Date and Processing Timestamp found in BAH/Creationdate</!-->
          <AddtlRsnInf>2018-06-01</AddtlRsnInf>
        </Rsn>
      </Canc>
    </PrcgSts>
```

System generated Id

Target Transaction Id of the trade to cancel

Cancellation Reason as per external code list

6c Registration Details – 'to-be' format

Recap of 'as-is' and 'to-be' format

'As-is' Registration Details

Format: 180 Characters

```
059 Registration Details     : PARK CUSTODIANS LIMITED
                              : <PS - A1234 A/C>,
                              : GPO BOX 1067
                              :
                              : SYDNEY NSW
                              :                    2001

059 Registration Details     : RICHARD PTY LTD
                              : <SHERBINSKY SUPER FUND A/C>,
                              : PO BOX 2515
                              : HUNTERS HILL NSW
                              :
                              :                    2110

059 Registration Details     : MR RONALDO CHARLES DE FERRIS,
                              : RUA BELCHIOR DE AZEVEDO 1111
                              : AP 111 BLOCO B ITACORUBI
                              : FLORIANOPOLIS SC 02512-010
                              : BRAZIL
                              :                    BRA

059 Registration Details     : MR JASON ANDREW SMITH,
                              : 4512 HAMPSTEAD ROAD
                              : WEST HAMPSTEAD
                              : LONDON
                              :
                              :                    GBR
```

Distribution: 6 lines of 30 Characters

| line 1 | line 2 | line 3 | line 4 | line 5 | line 6 |

```
0    30    60    90   120   150   180
```

'To-be' Registration Details

Format: ISO 20022 without restrictions "pure"

Name	Mult	ISO2002 Type / Code	Sample
Name And Address	[1..1]		
Name	[1..1]	text{1,350}	**PARK STREET CUSTODIANS LIMITED**
Address	[0..1]		
Address Line	[0..5]	text{1,70}	**GPO BOX 1067**
Post Code	[0..1]	text{1,16}	**2001**
Town Name	[0..1]	text{1,35}	**SYDNEY**
Country Sub Division	[0..1]	text{1,35}	**NSW**
Country	[1..1]	text[A-Z]{2,2}	**AU**
Designation	[0..1]	text{1,350}	**PS- A1234 A/C**

ASX

6c Registration details – standards
Considerations for name size

1. **Current usage:**
   - Some names span across 5 lines in CHESS (up to 150 characters)
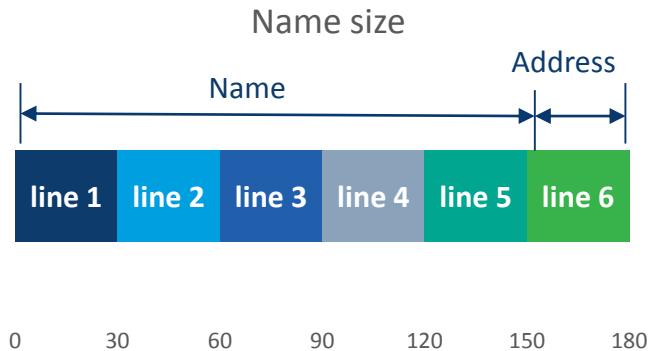
2. **Joint Account – current usage and future changes**
   - # of accounts in CHESS with three joint holders
   - ATO Member and trustee requirement –future change to four members under investigation by ASX
   - Self-Managed Superannuation Funds (SMSFs) –increase to maximum limit (from four to six) under investigation by ASX

3. **Impact on corresponding address size (refer slide 22)**

ASX

Considerations for name size

4. Current standard vs. actual usage

Current Standard: per ASX Settlement Procedure Guidelines (APG), e.g.

➢ **Use a holder's full name** to avoid possible confusion and errors with holders having similar names.

➢ Where the holding is in joint names, **link the names with a plus (+) sign**.

➢ Enter the **name of each person in a joint holding in full**, as you would an individual holder, with separate titles and separate names.

Actual usage: e.g. name abbreviations in current CHESS

➢ Representation of joint accounts – abbreviations & character misuse example:

Example full name per standard:

MRS PRISCILLA FERRI DE BARROS + MR FELIPE FERRI DE BARROS + MR GABRIEL FERRI DE BARROS **(~90 characters full name)**

Example of indicative usage – incorrect usage of ampersand, abbreviations:

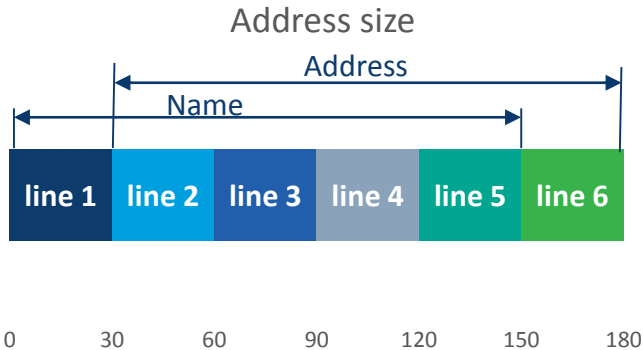**MRS P & MR F FERRI DE BARROS + MR G FERRI DE BARROS**

Limitations:

➢ Abbreviations limit the ability to represent the holder's name accurately in CHESS vs. Participants own systems (vs. KYC, AML requirements)

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Considerations for address size

Address can also use 5 lines in CHESS

Address size

Address

Name

| line 1 | line 2 | line 3 | line 4 | line 5 | line 6 |

0   30   60   90   120   150   180

- ❖ Some addresses have 5 lines (China), others 3 lines (UK).
- ❖ 180 characters may no longer be sufficient to support all "standardised" combinations of Names and Addresses

Name	Mult	Restriction	ISO2002 Type / Code	Restriction
Name And Address	[1..1]			
Name	[1..1]		text{1,350}	text {1,?}
Address	[0..1]	(1..1)		
Address Line	[0..5]	(1..?)	text{1,70}	
Post Code	[0..1]		text{1,16}	
Town Name	[0..1]		text{1,35}	
Country Sub Division	[0..1]		text{1,35}	
Country	[1..1]		text[A-Z]{2,2}	
Designation	[0..1]		text{1,350}	text {1,?}

❖ **Name restrictions options:**

Option 1: text {1,350} no restriction
  ✓ Allows to add the full name of the joint holders and future extensions on the maximum members number;
  ✓ Supports all account sizes in CHESS facilitating migration;
  ✓ ISO20022 standard (supports others markets).

Option 2 : restriction of text {1, 180}
  ✓ May not be enough to add the full name of the joint holders and future extensions on the maximum members number;
  ✓ Supports all account sizes in CHESS facilitating migration;

❖ **Address restrictions options:**

Option 1: text {1,5} no limit restriction (350 characters)
  ✓ Allows to add the full address without abbreviation;
  ✓ Supports all account sizes in CHESS facilitating migration;
  ✓ ISO20022 standard (supports others markets).

Option 2 : restriction of text {1, 3} (210 characters)
  ✓ May be enough to add the full address ;
  ✓ Supports all account sizes in CHESS facilitating migration.

ASX

6c Registration details – standards
Considerations for Designation size

Current standard vs. actual usage

➤ Current Standard: designation cannot be more than 30 characters (incl. < >)

➤ Sample usage: some designations are not following the standard and are larger than 30 characters (found 56 characters) (not currently validated by CHESS)

Name	Mult	Restriction	ISO2002 Type / Code	Restriction
Name And Address	[1..1]			
Name	[1..1]		text{1,350}	**text {1,?}**
Address	[0..1]	**(1..1)**		
Address Line	[0..5]	**(1..?)**	text{1,70}	
Post Code	[0..1]		text{1,16}	
Town Name	[0..1]		text{1,35}	
Country Sub Division	[0..1]		text{1,35}	
Country	[1..1]		text[A-Z]{2,2}	
Designation	[0..1]		text{1,350}	**text {1,?}**

ASX has already proposed Designation is captured in separate field.
Need to consider appropriate size.

ASX

6c Registration details – standards

'to-be' Registration Details standards re-cap, work to do

Recap - Name and Address character set (Application Validation)

➢ Must only contain alpha-numeric characters (A-Z, 0-9) and special characters in ASCII 32-126

➢ Must not contain double quotes or double single quotes, including accented characters.

(Schema Validation)

➢ Schema validation according to ISO 20022 character set (UTF8)

Work to do:

➢ Standard for content of fields, number of lines and field sizes vs. current standards and usage, and potential future requirements are being carefully considered by ASX – work in progress.

➢ ASX will provide further update at the next meeting.

ASX
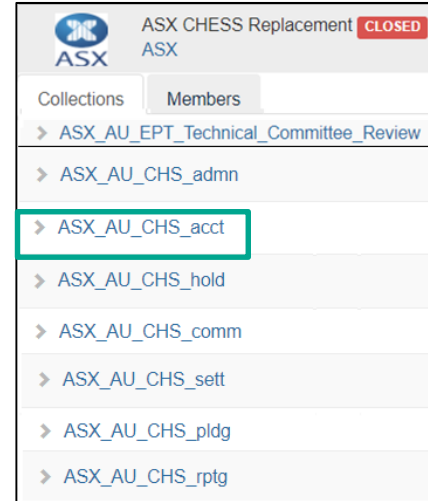
6d Creation of account (HIN)
Account Management Collection- Account Creation

'To-be' Account Creation messages are inside the acct (Account Management) collection

➤ Account Creation messages are mapped into T2S reda messages

CHESS	ISO 'as-is'	ISO 'to-be'	
EIS Name	**ISO base message**	**ASX Message Name**	**ISO base message**
EIS201-New Registration Details	reda.018- Securities Account Creation Request	**acct.001.001.01**- Account Creation Request	reda.018- Securities Account Creation Request
EIS202- Accepted New Registration	reda.020- Securities Account Status Advice	**acct.002.001.01**- Account Status Advice	reda.020- Securities Account Status Advice

➤ T2S Messages are Drafts not yet registered in ISO 20022 message set.

➤ These messages are not well structured. T2S created a general block (Market Specific Attributes) to add everything.

➤ ASX is participating in the T2S Evaluation Group to request changes according to ASX requirements.

ASX CHESS Replacement CLOSED
ASX

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

reda message structure

Structure of reda.018 - Securities Account Creation Request

➢ General block (Market Specific Attributes) to add any element:

Name	XML Tag	Mult	Type / Code
	▾	▾	▾	▾
Market Specific Attribute	<MktSpcfcAttr>	[0..*] **Multiplicity**	
Name	<Nm>	[1..1]	text{1,35}
Value	<Val>	[1..1]	text{1,350}

➢ ASX will not adopt this unstructured component.

➢ ASX will create structured Supplementary Data to add the information that is not in the reda.018 message.

➢ During the T2S Evaluation Group, ASX will request changes according to ASX requirements (to move from supplementary data to base message).

ASX

New in the Account Creation Messages

Account Creation Messages (acct.001.001.01)

Supplementary Data	<SplmtryData>	[0..*]			[1..1]
Place And Name	<PlcAndNm>	[0..1]	text{1,350}		
Envelope	<Envlp>	[1..1]			T/C
Account Details	<AcctDtls>	[1..1]			A
Account Type	<AcctTp>	[1..1]	text		(A)
Settlement Entrepot				SETT	(A)
Direct				DRCT	(A)
Sponsored				SPSD	(A)
Accumulation Entrepot				ACCU	(A)
Name And Address	<NmAndAdr>	[1..1]			(A)
Name	<Nm>	[1..1]	text{1,350}		(A)
Address	<Adr>	[0..1]			(A) [1..1]
Address Line	<AdrLine>	[0..5]	text{1,70}		(A) [1..5]
Post Code	<PstCd>	[0..1]	text{1,16}		(A)
Town Name	<TwnNm>	[0..1]	text{1,35}		(A) [1..1]
Country Sub Division	<CtrySubDvsn>	[0..1]	text{1,35}		(A)
Country	<Ctry>	[1..1]	text [A-Z]{2,2}		(A)
Designation	<Dsgnt>	[0..1]	text{1,350}		(A)
Residence Indicator	<ResInd>	[1..1]	text		(A)
Domestic				DMST	(A)
Foreign				FRGN	(A)
Mixed				MIXD	(A)
Communication Method Code	<ComMtdCd>	[0..1]	text		(A)
Email				EMAL	(A)
Postal Service				POST	(A)

NEW **Account type:** is a merger between Holder Type (BP18) and Entrepot Type (BP71).

NEW **Registration Details New Structure:** according to previous slides – still WIP. Restrictions are not added in this version.

NEW **Communication Preference:** Specifies the method used to deliver holding statements or notifications to the Holder.
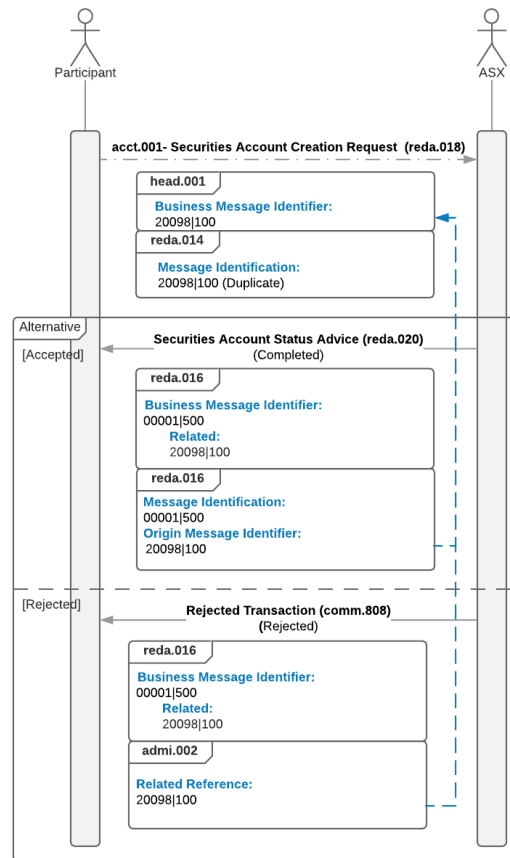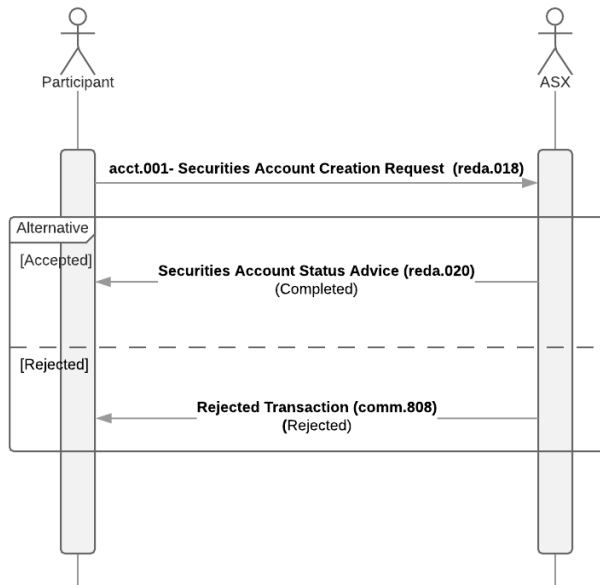
* This is not the final version e.g. size restrictions, e-mail Address, e-mail Purpose and e-mail Cancellation are not included in this version.

ASX

Account Creation message flow

6e More information on sample xml considerations
eXtensible Markup Language (XML) syntax and semantics – Basics for valid XML messages

XML message definitions in structured formats (syntax) and meaning (semantics)

XML schema for structure of elements, order, mandatory/optional, size, patterns.

To be accepted, XML documents (messages) must be valid against the XML schema

➢ Elements with data between <opening> and </closing> tags

➢ Attributes of elements e.g. <Amt ccy="AUD">50000.00</Amt>

➢ Document attributes: namespace (xmlns), XMLSchema-instance (xmlns:xsi), xsi:schemaLocation e.g.

```
<Document xmlns="urn:iso:std:iso:20022:tech:xsd:secl.010.001.03"
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:schemaLocation="urn:iso:std:iso:20022:tech:xsd:secl.010.001.03
          ASX_AU_CHS_sett_102_001_01_secl_010_001_03.xsd">
```

XML is (reasonably) easy to read but not intended to be human readable. Guidelines provide semantics.

➢ Tools used to display in more readable format (pretty-print), create and/or validate (parse) XML messages against a XML schema

➢ Different format options allowed and tools vary so can not be prescriptive - so long as message remains valid

➢ As a minimum: Namespace and schema-Instance must be defined for the level 0 (root) document.

When Suppdata extension applies, sub-document also has attributes and can be defined at root or sub-document

Note: schemaLocation in informational. Allows a schema filename (ASX_AU_CHS…_03.xsd). Not required to be valid but useful for investigation.

→ ASX will include schemaLocation when sending xml messages and encourages other to do same

ASX will provide access to the SWIFT 'readiness portal' which validates xml against the Usage Guidelines

With thanks to

ISO 20022 FOR DUMMIES
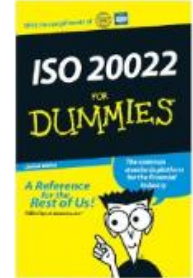
Copies from SWIFT via CHESS Replacement website at asx.com.au

2018 draft project documentation review

MyStandards 'to-be' documentation

Community:	ASX CHESS Replacement
Collection:	ASX_AU_CHS_**draft_sett**
Guidelines:	Notified Trade (sett_101)
	Cancelled Settlement Instruction (sett_104)
	(usage for cancellation of market trade only)

As-is Message Id	Collection	Id	To-be Message Id
EIS164	draft_sett	101	sett_101
EIS116	draft_sett	104	sett_104

based on Trade Leg Notification (secl.001)

based on Securities Transaction Cancellation Status Advice (sese.027)

Further details (attached to Message Definitions in MyStandards)

  - Message Model

      Actor flows including message names – equivalent of EIS s5 with Tx Id details equivalent to EIS s6

  - Sample .xml

      Valid .xml samples to illustrate message structure. Without transport-specific wrapper of BizMsg

      Not intended to cover full business usage. Optional elements may not be present. Production collection & version

  -   ASX Proprietary Code list (attached to collection)

      EIS code sets. Not yet confirmed for to-be.

         Covers   BasisOfQuotation, ConditionCodes, CancellationReason, OverrideBasisOfMovement,

                       SettlementInstructionStatus, TradeReason, TransactionBasis,

ASX requests TC feedback via comments in MyStandards by Tuesday 17 July for ASX responses in 31 July meeting

Closing

ASX

Next meeting

- Noted actions from this meeting
- Members to review draft published messages – sett_101, sett_104 (per agenda item 6f)

- Draft minutes from this meeting will be distributed for review

- Next meeting to be held Tuesday 31 July 2018 – Melbourne, webinar

  Proposed matters for consideration:
  - Review feedback on draft published messages – sett_101, sett_104
  - More on registration details
  - Overview of consultation paper response themes
  - Overview of proposed documents to be released to users
  - Overview of SWIFT MyStandards Readiness Portal

- 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

ASX

Thank you.

ASX

Action #53 Use of BIC as Party Identifier – adoption considerations

Must identify actor business activities

Any Party Identifier must sufficiently identify an Entity's business activities for regulatory and risk management.

ISO business message contains 2 distinct uses of Party Identifier:

   1. for BAH (<To> and <From>;) and

   2. for Settlement Parties (Party1,2 for Delivering and Receiving parties)

   Party Identifier - covers **both** BAH and Settlement Parties usage

                  - is independent but may be in common with routing information in a network header

For CHESS Replacement, Party Identifier choice of 3 formats per Actor:

   a) User Identification Code (UIC) or

   b) Business Identification Code (BIC) as BIC8 or BIC11 – SWIFT connected or unconnected allowed
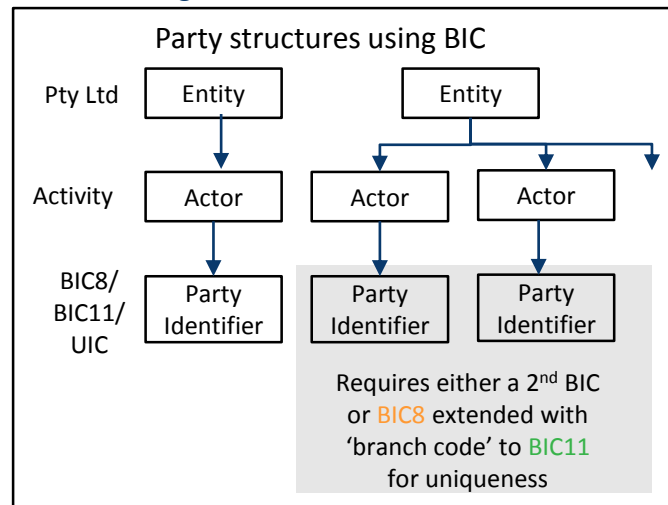
Party structures using BIC

   Existing or new BICs can be used for Party Identification but this <u>must uniquely identify the Actor</u>

   BIC **can not** be used to represent more than one settlement party

   BIC11 can be registered with standard or specific branch codes for business activities

   e.g. SMK (Securities Market), MEL, AB1 (both non-standard)

Can TC members considering using BICs advise ASX if:
If multiple activity applies, TC to discuss feasibility of those requirements

Party structures using BIC

Pty Ltd	Entity		Entity	
Activity	Actor		Actor	Actor
BIC8/ BIC11/ UIC	Party Identifier		Party Identifier	Party Identifier

Requires either a 2nd BIC or BIC8 extended with 'branch code' to BIC11 for uniqueness

New BIC	Existing BIC
Connected	Non-connected
BIC8	BIC11
All activity	Multiple activity

ASX