Public

P344 IWG 2 & 4 MSID Pairs

First Workgroup meeting

19 July 2018

ELEXON

Health & Safety

In case of an emergency

An alarm will sound to alert you. The alarm is tested for fifteen seconds every Wednesday at 9.20am

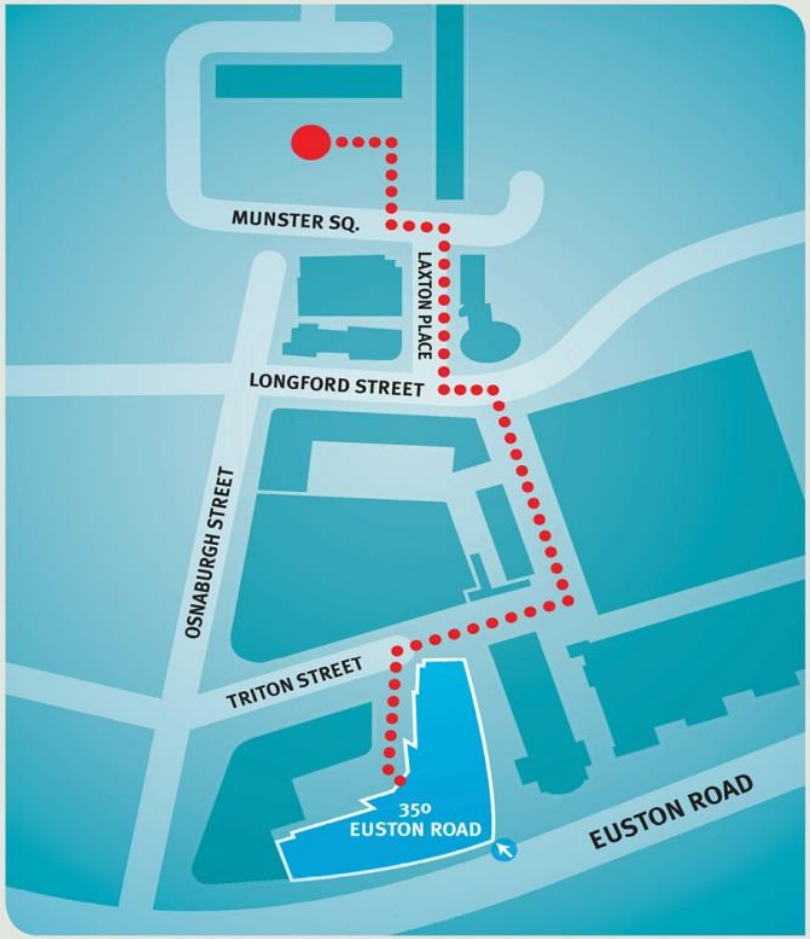
Evacuating 350 Euston Road

- If you discover a fire, operate one of the fire alarms next to the four emergency exits.
- Please do not tackle a fire yourself.
- If you hear the alarm, please leave the building immediately.
- Evacuate by the nearest signposted fire exit and walk to the assembly point.
- Please remain with a member of ELEXON staff and await further instructions from a Fire Warden.
- For visitors unable to use stairs, a Fire Warden will guide you to a refuge point and let the fire brigade know where you are.

When evacuating please remember

- Do not use the lifts.
- Do not re-enter the building until the all clear has been given by the Fire Warden or ground floor security.

Our team on reception is here to help you, if you have any questions, please do ask them.



Agenda

Agenda item	Lead
1. Welcome	Chair
2. Objectives	Chair
3. Background	Sasha Townsend
4. SVAA Register and Notifying MSID Pairs	Matt Roper
5. Lunch	Chair
6. Submitting MSID pair volumes	Matt Roper
7. Break	Chair
8. Calculating Metering System Delivered Volumes	Matt Roper
9. AOB	Chair
10. Next steps	Sasha Townsend
11. Close	Chair

Meeting Objectives

1. Agree procedure for the notification of which Meter Serial Identifier (MSID) should be allocated to a Secondary Balancing Mechanism Unit (SBMU)

2. Agree procedure for the Supplier Volume Allocation (SVA) Metering System Balancing Services Register

3. Agree procedure for the submission of Half Hourly (HH) data for MSID Pairs

4. Agree procedure for calculating and allocating Metering System Delivered Volumes to individual MSIDs within SBMUs

Background

Sasha Townsend

Background

- P344 'Project TERRE' will align the BSC with the European Balancing Product TERRE (Trans European Replacement Reserves Exchange) requirements

- The Panel recommended the Authority approve the P344 Alternative Modification (mandatory sharing of Half Hourly (HH) delivered volumes with the customer's Supplier)

- Authority decision is expected by 31 July 2018

- If approved, P344 will be implemented as part of February 2019 BSC Release

P344 Industry Working Groups

- Develop processes and associated Code Subsidiary Document (CSD) changes

- Five P344 work streams (WS) to be considered by Industry Workgroups (IWGs):
  - IWG1: Registration Processes
  - **IWG2: Allocation of Supplier Volume Allocation (SVA) Meter Serial Identifier (MSID) to Secondary Balancing Mechanism Units (SBMU)**
  - IWG3: Half Hourly Data Aggregator (HHDA) Processes
  - **IWG4: Virtual Lead Party Processes**
  - IWG5: Performance Assurance Framework (PAF)

MSID Pair Allocation

Matt Roper

WG2 - MSID Pair Allocation Scope (1 of 2)

BR3: The Lead Party of a Secondary BMU shall be required to notify the SVAA of which MSID Pairs should be treated as allocated to that BMU

BR4: SVAA shall maintain a register of which MSIDs are allocated to each BMU for the purposes of providing Balancing Services

To agree the processes and timescales for:

- Submission of MSID Pair allocation notification
- Notification validation
- Confirmation / rejection of allocation
- Loss of allocation notification
- Updating a MSID Pair allocation
- Retrospective MSID Pair allocation

WG2 - MSID Pair Allocation Scope (2 of 2)

BR3: The Lead Party of a Secondary BMU shall be required to notify the SVAA of which MSID Pairs should be treated as allocated to that BMU

BR4: SVAA shall maintain a register of which MSIDs are allocated to each BMU for the purposes of providing Balancing Services

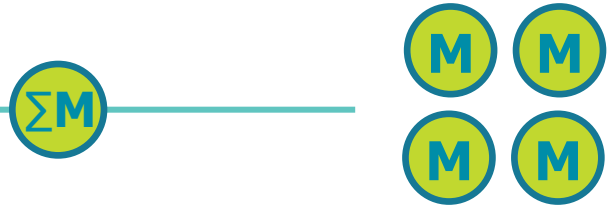
Documents impacted (initial view):

- BR3 – NEW BSCP602
- BR4 – NEW BSCP602 / BSCP508
- SVAA Service Description
- SVAA User Requirements Specification
- Simple Guides
- Guidance Notes
- Local Working Instructions

Who Can Participate in TERRE?

Supplier Additional BM Unit

2__ANAME001



Generator CVA BM Unit

T_NAME-1



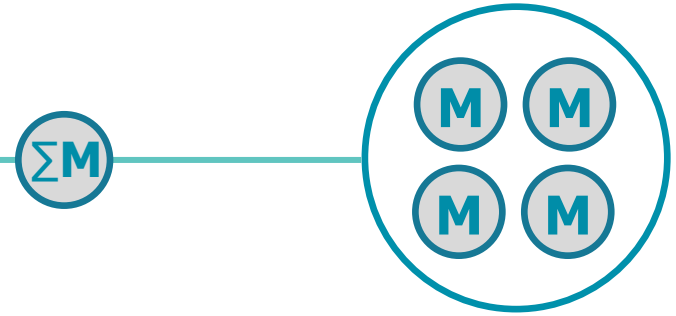
Trading Party Embedded BM Unit

E_NAME-1



Virtual Lead Party Secondary BM Unit

V_NAME-1

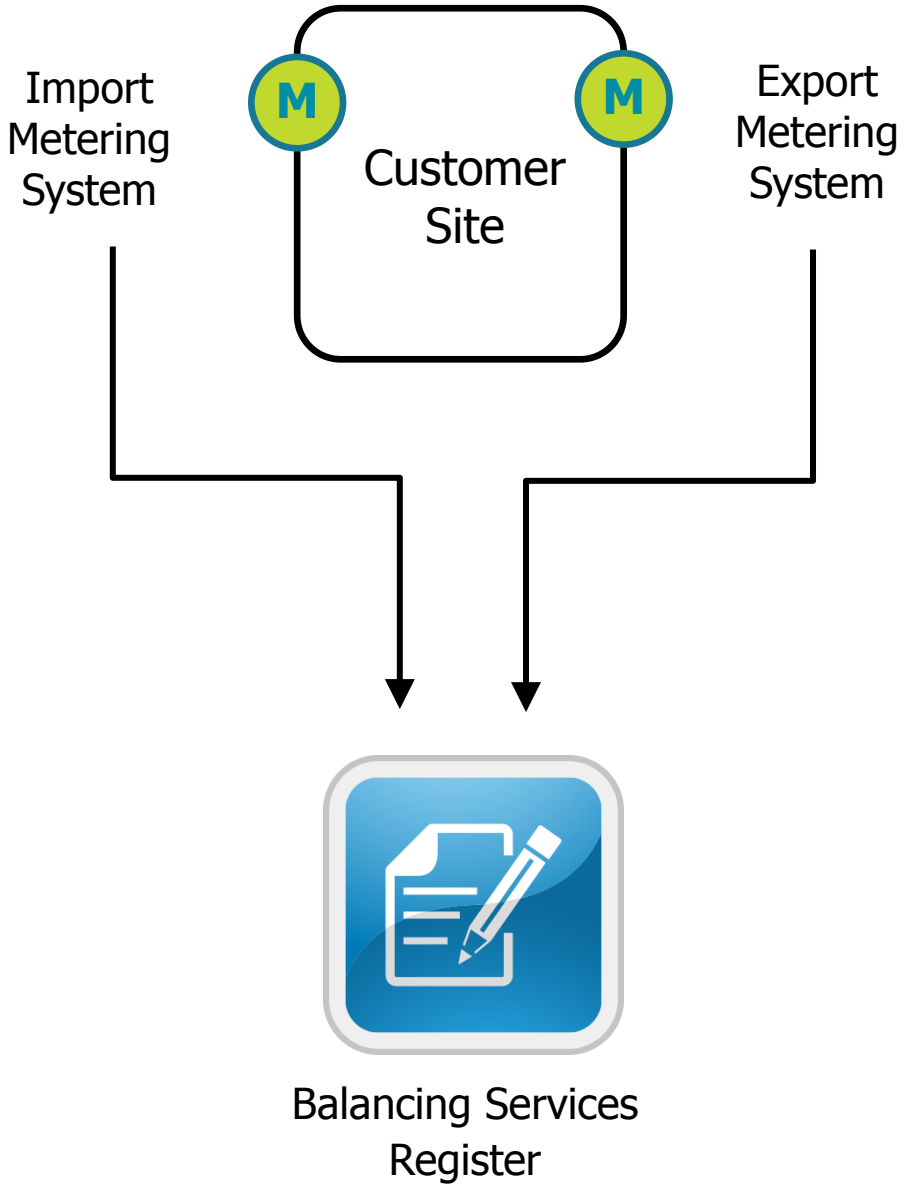


What is a MSID Pair?

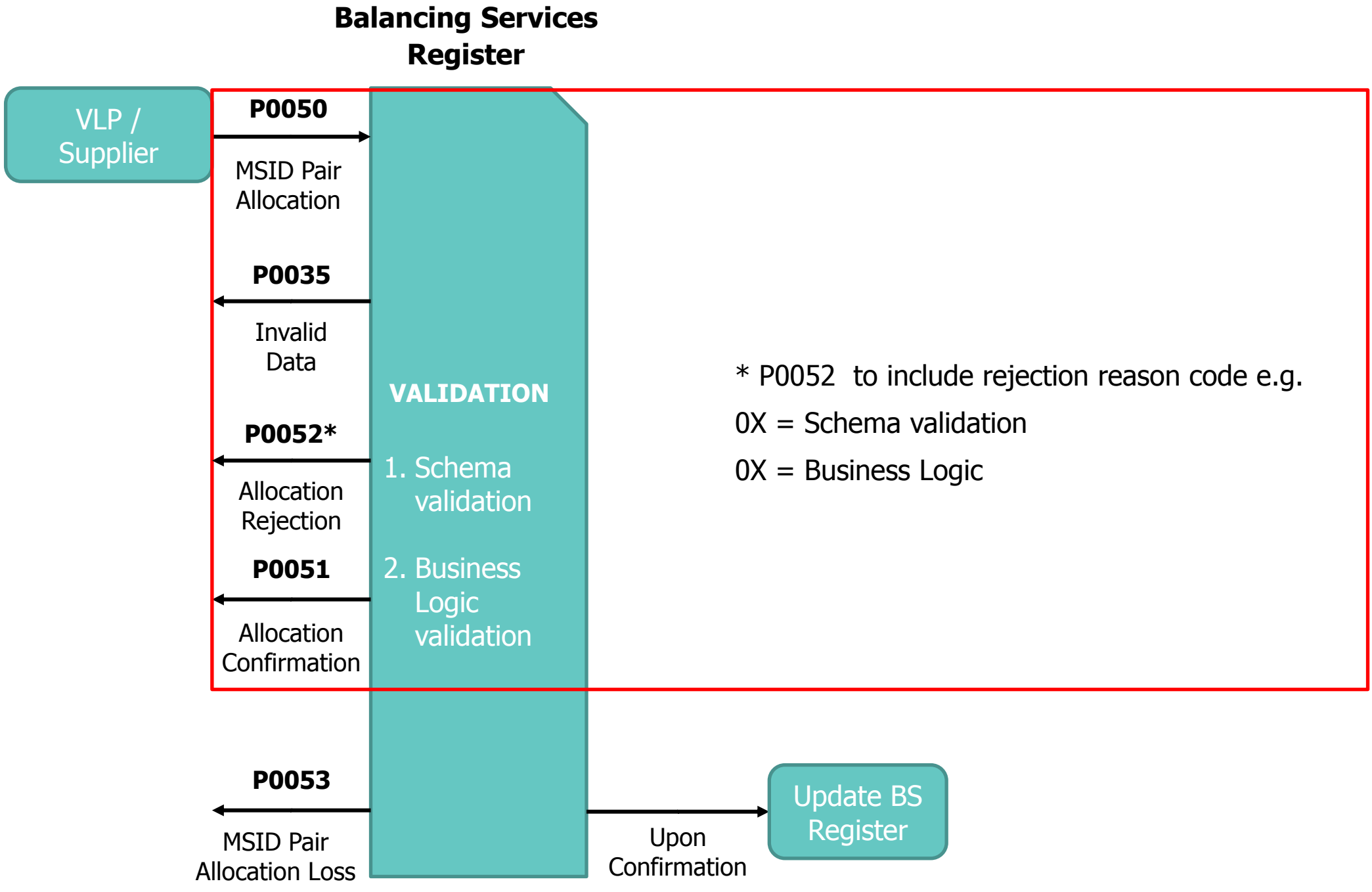
- A MSID Pair represents the SVA Metering System(s) at a single customer site that will provide Balancing Services

- A MSID Pair must include an Import MSID and may include an Export MSID

- This is because on sites with both an Import and Export MSID it is uncertain where the balancing service deviation will be realised.



MSID Pair Allocation Notification Process Map



BR3 – VLP Submit MSID Pairs

P0050

MSID Pair Allocation

- BMU Id
- GSP Group Id;
- Import MSID
- Export MSID
- EFSD
- ETSD
- Import Consent Flag
- Import Consent Flag EFSD
- Import Consent Flag ETSD
- Export Consent Flag
- Export Consent Flag EFSD
- Export Consent Flag ETSD

* Current thinking is to allow bulk and single notifications

P0051

MSID Pair Allocation Confirmation

- BMU Id
- GSP Group Id;
- Import MSID
- Export MSID
- EFSD
- ETSD
- Import Consent Flag
- Import Consent Flag EFSD
- Import Consent Flag ETSD
- Export Consent Flag
- Export Consent Flag EFSD
- Export Consent Flag ETSD

* Current thinking is to allow bulk and single notifications

P0052

MSID Pair Allocation Rejection

- BMU Id
- GSP Group Id;
- Import MSID
- Export MSID
- EFSD
- ETSD
- Import Consent Flag
- Import Consent Flag EFSD
- Import Consent Flag ETSD
- Export Consent Flag
- Export Consent Flag EFSD
- Export Consent Flag ETSD
- Rejection Reason Code

P0053

MSID Pair Allocation Loss

- BMU Id
- GSP Group Id;
- Import MSID
- Export MSID
- EFSD
- ETSD
- Import Consent Flag
- Import Consent Flag EFSD
- Import Consent Flag ETSD
- Export Consent Flag
- Export Consent Flag EFSD
- Export Consent Flag ETSD

Considerations

- How often do Parties envisage updating the register?
  - To align with Supplier contract rounds? E.g. Q1 & Q3
- How many MSIDs should the register be able to accommodate?
  - I.e. hundreds / thousands per SBMU?
- How do Parties want to communicate with the register?
  - FTP / API / Email?
  - Does the choice of medium have an impact on Party systems?

MSID Pair Validation

- The SVAA will validate the MSID Pair Notification in accordance with the requirements in the SVA Data Catalogue:
  - i.e. File format schema validation

- The SVAA will validate the MSID Pair Notification in accordance with the requirements in BSC Section S:
  - the sender must be the Lead Party of the BM Unit
  - a SVA Metering System may not be allocated to more than one MSID Pair at any given time
  - a SVA Metering System allocated to a Secondary BM Unit must be a HH Metering Systems

- Any notifications that fail validation will be sent an Allocation Rejection that will include a rejection reason code.

Retrospective MSID Pair Allocation

BR3.3: The Lead Party of a Secondary BM Unit shall be able to retrospectively submit amendments to records in the register and these will be picked up in the next Settlement Run for Settlement Dates affected

- The P344 workgroup recommended that retrospective MSID Pair allocations should be limited to Settlement Days prior to the R1 Settlement Run.

- At this point I do not propose to add any further criteria of when a retrospective MSID Pair allocation is valid.

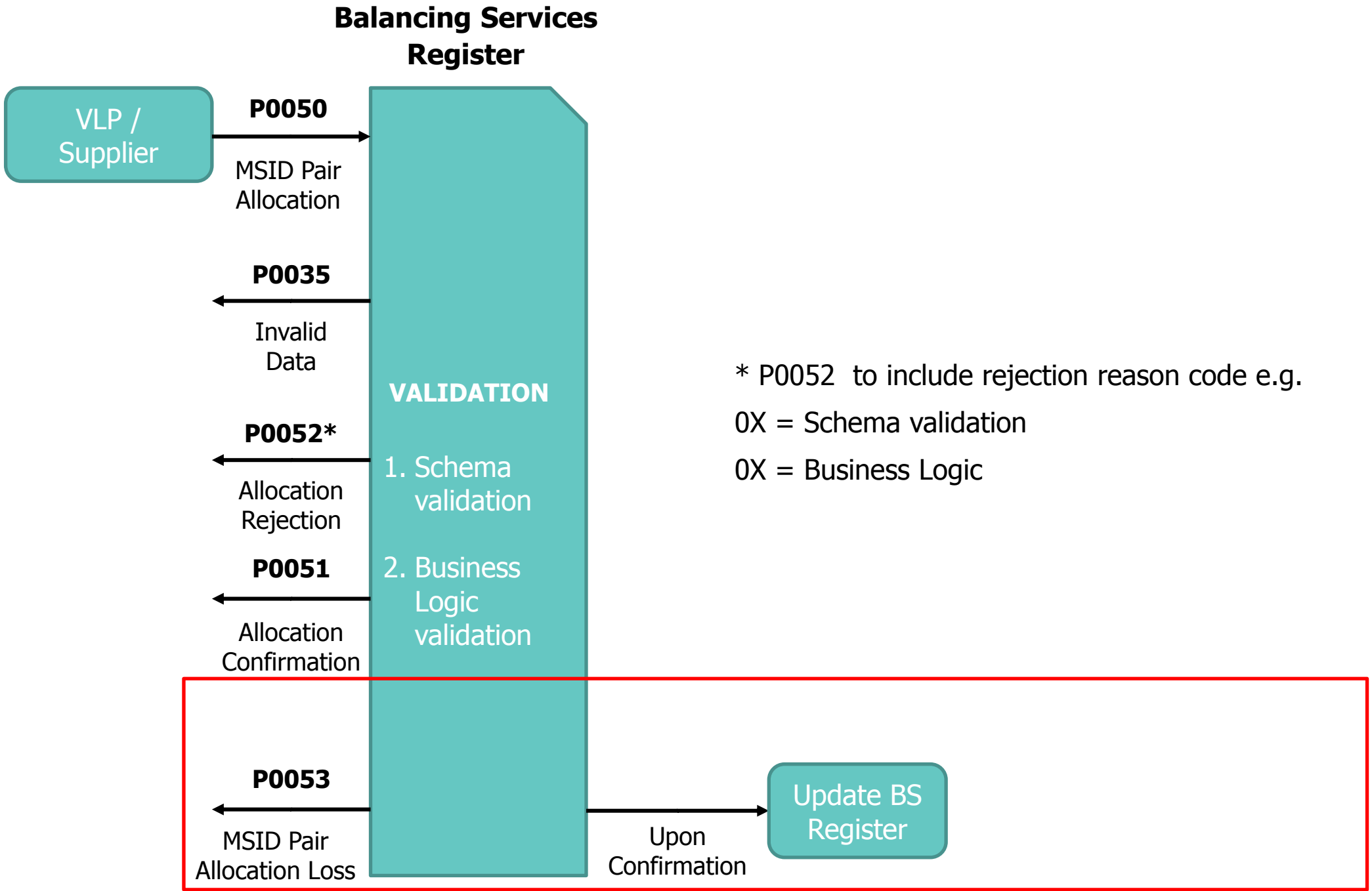
- Going forward I propose to hold a review after 12 months of go live (December 2020) to determine whether retrospective allocations have had an impact in the accuracy of settlement.

MSID Pair Validation

- The SVAA will validate the MSID Pair Notification in accordance with the requirements in the SVA Data Catalogue:
  - i.e. File format schema validation

- The SVAA will validate the MSID Pair Notification in accordance with the requirements in BSC Section S:
  - the sender must be the Lead Party of the BM Unit
  - a SVA Metering System may not be allocated to more than one MSID Pair at any given time
  - a SVA Metering System allocated to a Secondary BM Unit must be a HH Metering Systems
  - a MSID Pair Allocation shall only be allowed for EFSD prior to the R1 Settlement Run

MSID Pair Allocation Notification Process Map



* P0052 to include rejection reason code e.g.

0X = Schema validation

0X = Business Logic

Erroneous MSID Pair Allocation

- Do not propose to codify any erroneous MSID Pair allocation process as it is expected that MSID Pair Allocation Notifications are accurate, complete and made in accordance with Good Industry Practice

- Upon receiving a MSID Allocation Confirmation / Rejection / Loss Notification it is expected that the Lead Party will review, investigate and resolve any anomalies with due diligence so that SVA Metering System Balancing Services Register is accurate.

- Therefore any validated MSID Pair Notification will be actioned and stored on the SVA Metering System Register

BSCP602 – 1.1 MSID Pair Submission Procedure

Ref	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
1.1.1	Must be received before Gate Closure for the period to which the MSID Pair Allocation[1] applies.	Send the MSID Pair Allocation / revised Allocation (following rejection by SVAA).	Supplier / VLP	SVAA	P0050 MSID Pair Notification	Electronic or other method, as agreed.
1.1.2	Within 1 WD of 1.1.1.	Log change proposal then validate MSID Pair Allocation	SVAA		Appendix 1 – MSID Pair Allocation File Validation	Internal Process
1.1.3	Within 1 WD of 1.1.1.	If file cannot be processed send notification. Return to 1.1.1 if VLP / Supplier wishes to provide revised submission.	SVAA	Supplier / VLP	P0035 Invalid Data.	Electronic or other method, as agreed.
1.1.4	Within 1 WD of 1.1.1.	If MSID Pair Allocation invalid send rejection. Return to 1.1.1 if VLP / VLP / Supplier wishes to provide revised change proposal.	SVAA	Supplier / VLP	P0052 Rejection of MSID Pair Allocation	Electronic or other method, as agreed.
1.1.5	Within 1 WD of 1.1.1.	If MSID Pair Allocation valid send confirmation of acceptance of submission.	SVAA	Supplier / VLP	P0051 Confirmation of MSID Pair Allocation	Electronic or other method, as agreed.
1.1.6	Within 1 WD of 1.1.1.	If MSID Pair is already allocated to a BM Unit that offers Balancing Services notify previous lead party of allocation loss	SVAA	Supplier / VLP	P0053 Loss of MSID allocation	Electronic or other method, as agreed.

[1] Each BM Unit Allocation will be for one or more Settlement Days i.e. an allocation can only change at a Settlement Day boundary, which is Gate Closure for the first Settlement Period of the Settlement Day on which the BM Unit Allocation becomes effective. Retrospective amendments are to be processed for Settlement Days up to but not including the R1 Settlement Run.

Recommendations

In principle do the workgroup agree with the processes and timescales proposed for:

- Submission of MSID Pair allocation notification?
- Notification validation?
- Confirmation / rejection of allocation?
- Loss of allocation notification?
- Updating a MSID Pair allocation?
- Retrospective MSID Pair allocation?


TIME FOR
LUNCH
TIME FOR

VLP Delivered Volumes

Matt Roper

IWG4 – VLP Delivered Volumes Scope (1 of 2)

BR6: The lead Party of a SBMU shall be required to submit Half Hourly Delivered Volumes for each MSID Pair Notified to Settlement

BR7: SVAA shall allocate MSID Pair Delivered Volumes between the composite MSID Pairs to create Metering System Delivered Volume

To agree the processes and timescales for:

- Submission of MSID Pair Delivered Volumes notifications
- Notification validation
- Confirmation / rejection of notification
- Updating MSID Pair Delivered Volumes
- Exception handling

IWG4 – VLP Delivered Volumes Scope (2 of 2)

BR6: The lead Party of a SBMU shall be required to submit Half Hourly Delivered Volumes for each MSID Pair Notified to Settlement

BR7: SVAA shall allocate MSID Pair Delivered Volumes between the composite MSID Pairs to create Metering System Delivered Volume

Documents impacted (initial view):

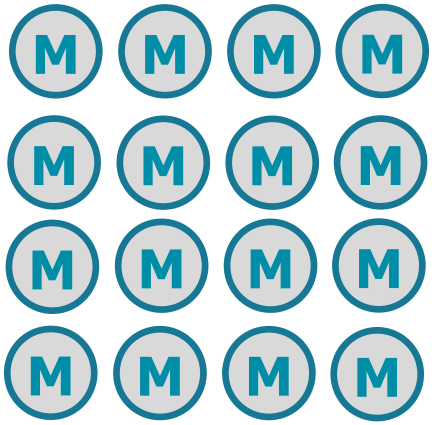
- BR6 – NEW BSCP602 / BSCP508
- BR7 – NEW BSCP602 / BSCP508
- SAA, SVAA Service Description
- SAA, SVAA User Requirements Specification
- Simple Guides
- Guidance Notes
- Local Working Instructions

What are Delivered Volumes? (1 of 3)

Virtual Lead Party

Secondary BM Unit

A Secondary BM Unit can contain SVA Metering Systems registered by many Suppliers in their Primary BM Units

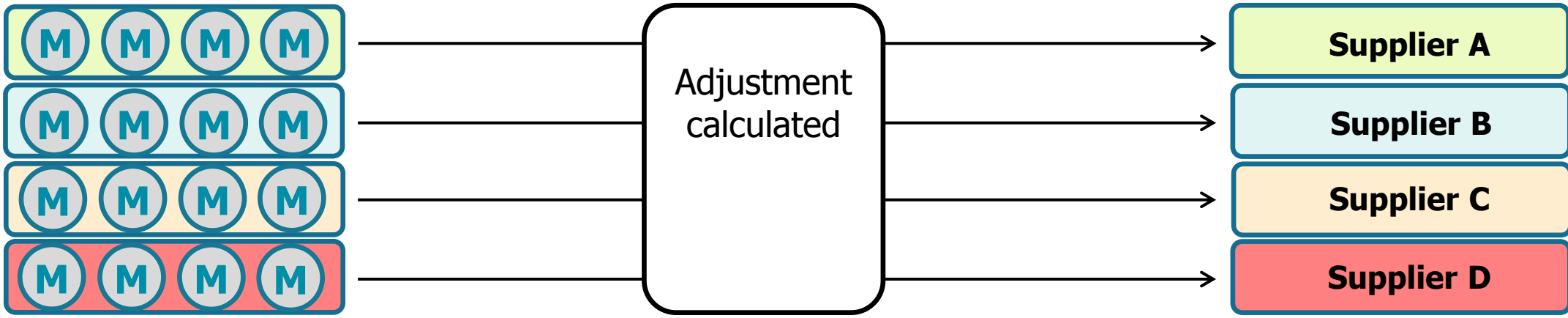


What are Delivered Volumes? (2 of 3)

Virtual Lead Party

Secondary BM Unit

A Secondary BM Unit can contain SVA Metering Systems registered by many Suppliers in their Primary BM Units

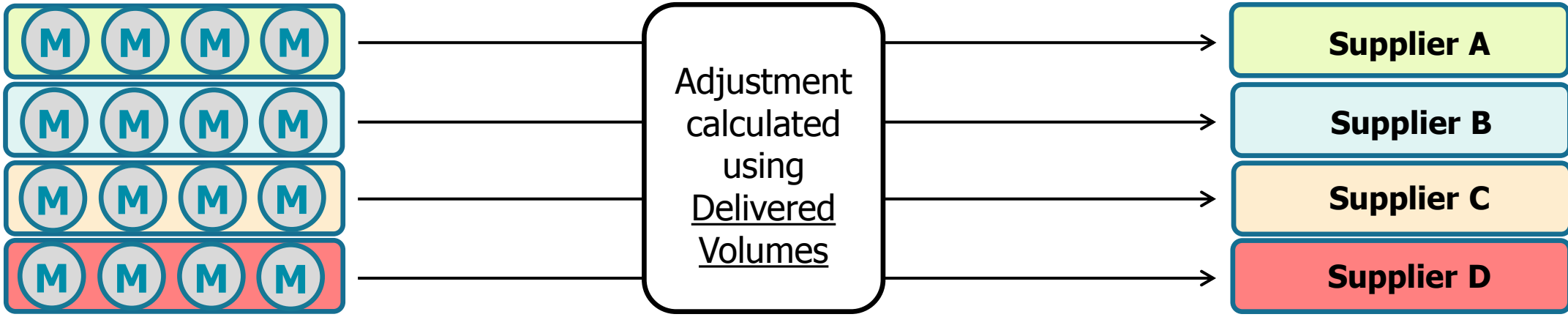


What are Delivered Volumes? (3 of 3)

Virtual Lead Party

Secondary BM Unit

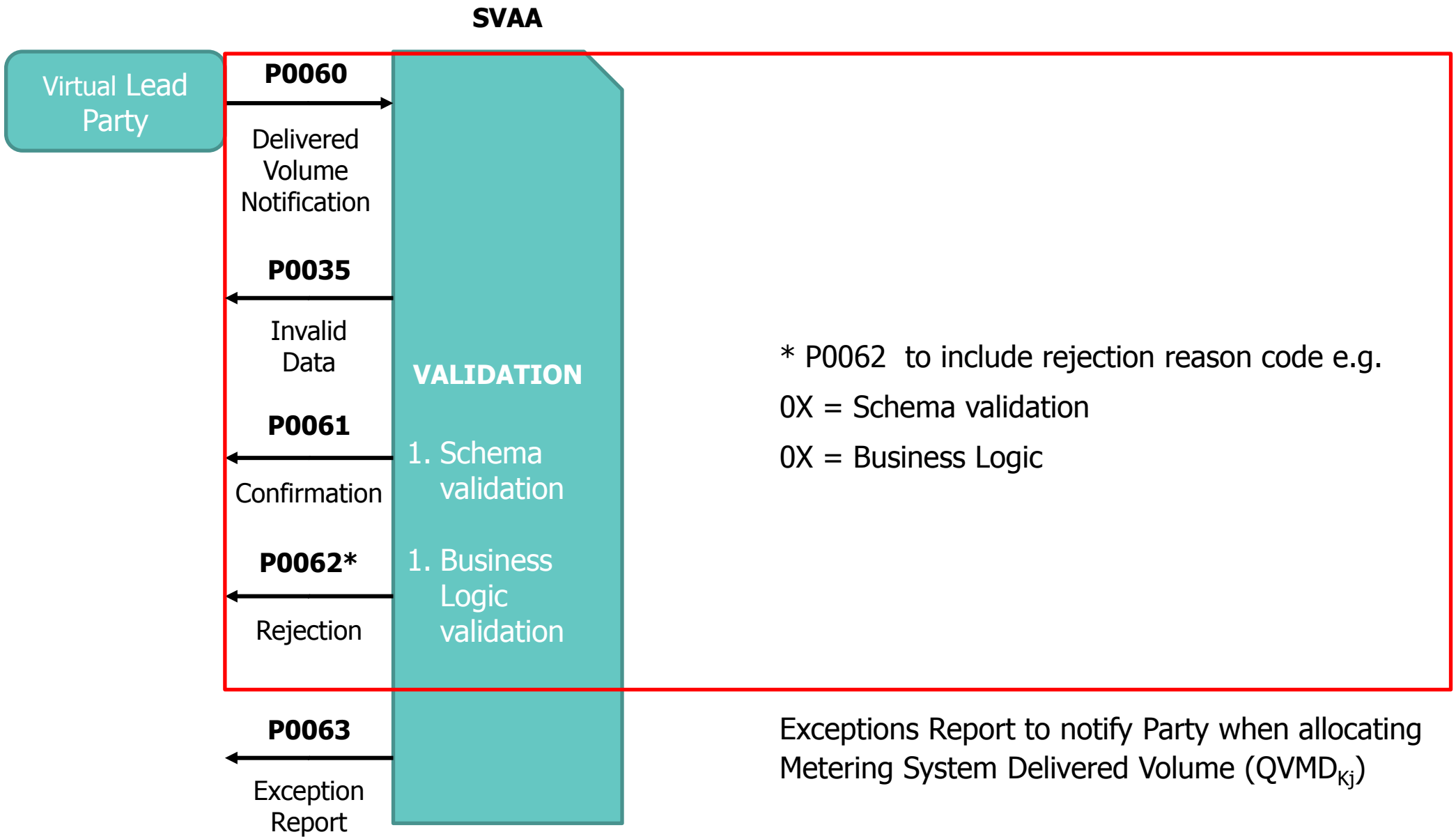
A Secondary BM Unit can contain SVA Metering Systems registered by many Suppliers in their Primary BM Units



VLP will be obligated to register all MSID Pairs they wish to allocate to a Secondary BM Units centrally with Settlement on the 'SVA Metering System Balancing Services Register'.

VLP will also provide 'Delivered Volumes' per MSID Pair so that Settlement can aggregate per Supplier per Secondary BM Unit an appropriate adjustment to applied at the Supplier BM Unit level

BR6 – VLP Submit Delivered Volume Process Map



BR6 – VLP Submit Delivered Volumes

P0060

Delivered Volume Notification

- Import MSID
- Export MSID
- Settlement Date
- Settlement Period
- Delivered volume

P0061

Delivered Volume Confirmation

- Import MSID
- Export MSID
- Settlement Date
- Settlement Period
- Delivered volume

P0062

Delivered Volume Rejection

- Import MSID
- Export MSID
- Settlement Date
- Settlement Period
- Delivered volume
- Rejection Reason Code

P0063

Delivered Volume Exception Report

- Import MSID
- Export MSID
- Settlement Date
- Settlement Period
- Delivered volume
- Exception Reason Code

Considerations

- How do Parties want to communicate with the SVAA?
  - FTP / API ?
  - Does the choice of medium have an impact on Party systems?

Delivered Volume Validation

- The SVAA will validate the Delivered Volume Notification in accordance with the requirements in the SVA Data Catalogue:
  - i.e. File format schema validation

- The SVAA will validate the Delivered Volume Notification in accordance with the requirements in BSC Section S:
  - the VLP must be the Lead Party of the Secondary BM Unit
  - an SVA Metering System must be allocated to the Secondary BM Unit specified

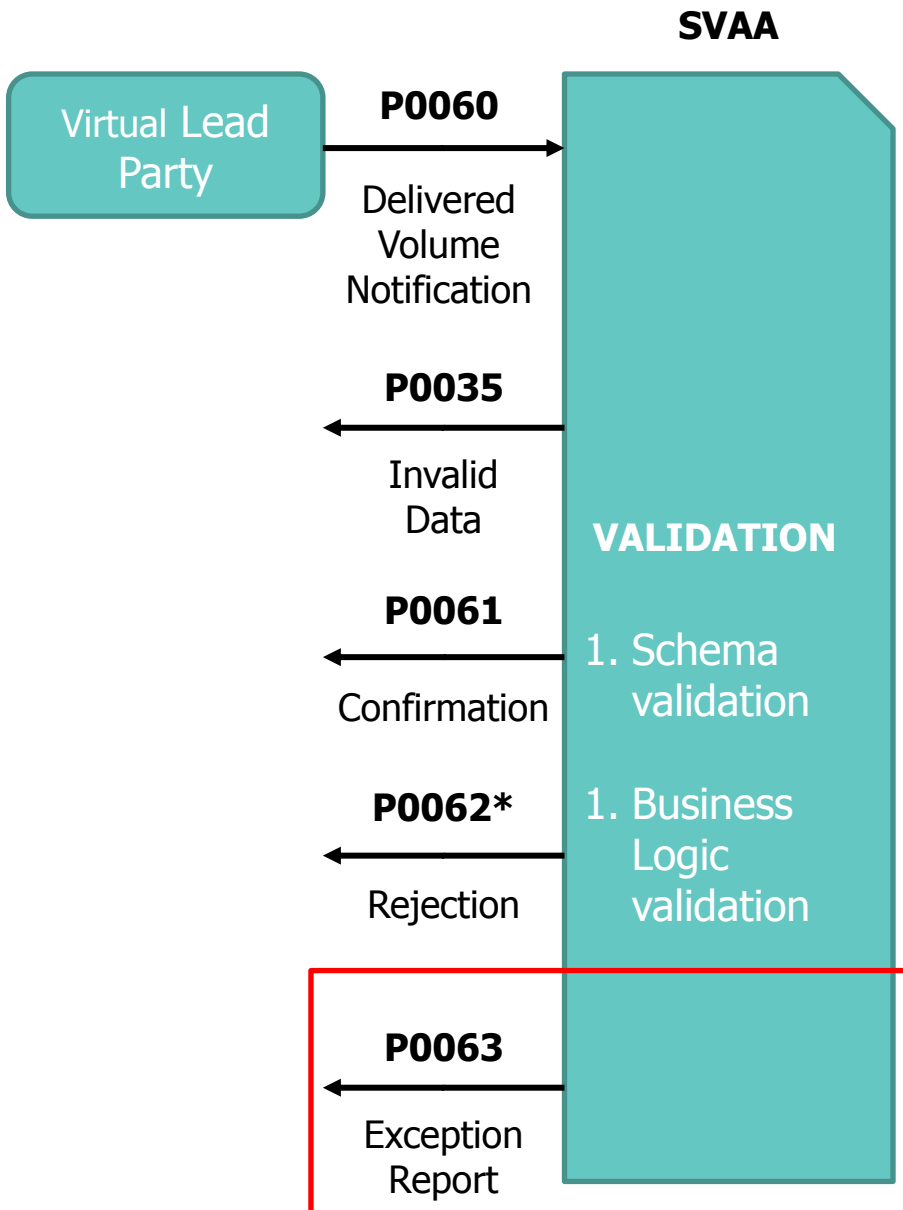
Updating MSID Pair Delivered Volumes

The Lead Party of a Secondary BM Unit to which an RR Activation was issued shall be able to provide an updated data file to SVAA [prior to subsequent Settlement Run] to identify more accurate delivered MWh volumes for each SVA Metering System that was instructed to deliver RR Activation.

- The P344 workgroup recommended that amended MSID Pair Delivered Volume should be allowed for Settlement Days up to the RF Settlement Run.

- VLP are obligated to ensure that MSID Pair Delivered Volumes accurately reflect the change in the Imports and Exports resulting from the delivery of Balancing Services.
  - It is expected that MSID Delivered Volumes will change to become more accurate as Metered Volumes become more accurate through the subsequent Settlement Runs

BR6 – VLP Submit Delivered Volume Process Map



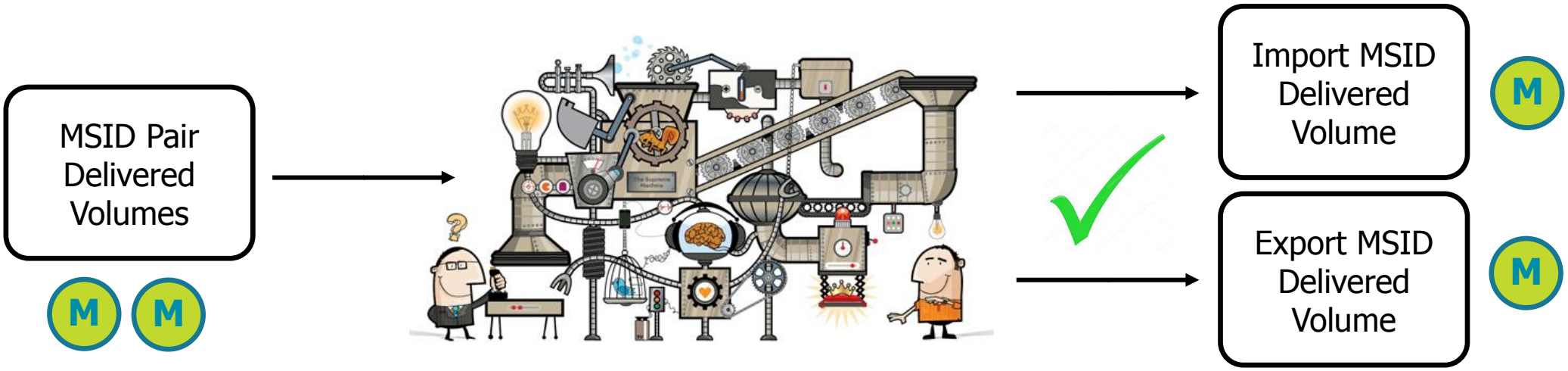
* P0062 to include rejection reason code e.g.

0X = Schema validation

0X = Business Logic

Exceptions Report top notify Party when allocating Metering System Delivered Volume ($QVMD_{Kj}$)

MSID Delivered Volumes Exceptions (1 of 3)

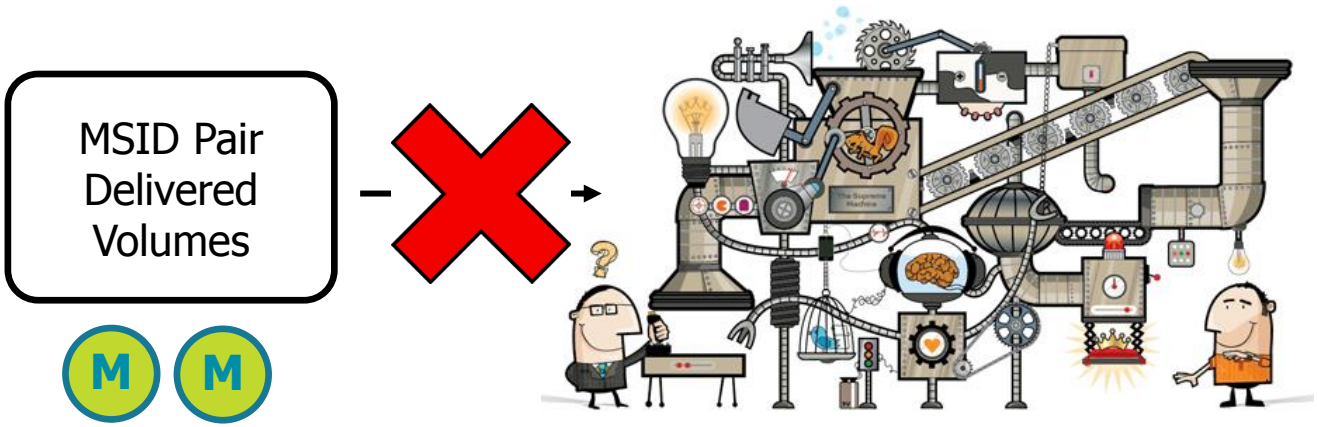


MSID Delivered Volume Algorithm

P344 will introduce a new process where the SVAA will allocate MSID Pair Delivered Volumes between the SVA Metering Systems in the relevant MSID Pair to create the MSID Delivered Volume ($QVMD_{Kj}$) for each.

This process significantly impacts Settlement and so we propose to implement an exception handling process and report such exceptions to relevant Parties and BSCCo.

MSID Delivered Volumes Exceptions (2 of 3)

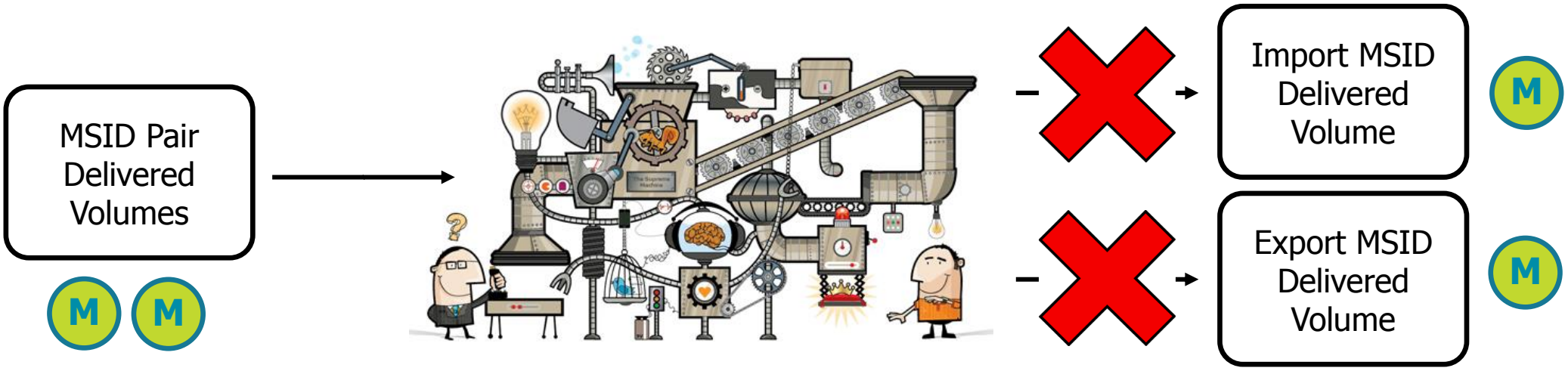


MSID Delivered Volume Algorithm

The SVAA shall be required to resolve instances where there is a failure or delay in receiving required data from the Lead Party of Secondary BM Unit and shall:

- Contact the responsible Party upon non-delivery to request the subsequent forwarding of the missing data set
- If all attempts to acquire the missing data are unsuccessful then the SVAA will deem zero for that Settlement Run

MSID Delivered Volumes Exceptions (3 of 3)



MSID Delivered Volume Algorithm

If a MSID Pair Delivered Volume cannot be allocated in full to the component MSIDs the SVAA System will report an exception to BSCCo and the Virtual Lead Party.

This exception indicates that the MSID Delivered Volume is inconsistent with the Settlement metered data, suggesting that the MSID Delivered Volume has been reported incorrectly.

BSCP602 – 1.2 MSID Pair Delivered Volume

Ref	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
1.2.1	Within SD + 1 WD	Submit the MSID Pair Delivered Volumes for Metering Systems that delivered a Balancing Service in that SD	VLP	SVAA	P0060 MSID Pair Delivered Volume Notification	Electronic or other method, as agreed.
1.2.2	Upon receipt of revised Delivered Volume data	Re-submit the MSID Pair Delivered Volumes	VLP	SVAA	P0060 MSID Pair Delivered Volume Notification	Electronic or other method, as agreed.
1.2.3	Within 1 WD of 1.2.1. or where appropriate within 1 WD of 1.2.2	Log notification then validate MSID Pair Allocation	SVAA		Appendix 2 – MSID Pair Delivered Volume File Validation	Internal Process
1.2.4	Within 1 WD of 1.2.1. or where appropriate within 1 WD of 1.2.2	If file cannot be processed send notification. Return to 1.2.1 if VLP wishes to provide revised submission.	SVAA	VLP	P0035 Invalid Data.	Electronic or other method, as agreed.
1.2.5	Within 1 WD of 1.2.1. or where appropriate within 1 WD of 1.2.2	If MSID Pair Delivered Volume invalid send rejection. Return to 1.2.1 if VLP / VLP wishes to provide revised submission.	SVAA	Supplier / VLP	P0062 Rejection of MSID Pair Allocation	Electronic or other method, as agreed.
1.2.6	Within 1 WD of 1.2.1. or where appropriate within 1 WD of 1.2.2	If MSID Pair Delivered Volume valid send confirmation of acceptance of submission.	SVAA	Supplier / VLP	P0061 Confirmation of MSID Pair Allocation	Electronic or other method, as agreed.
1.2.7	As late as possible (to ensure most recent data from VLP) to meet SVAA's Calendar.	Perform checks in accordance with Appendix 3 and send Exception Reports	SVAA	VLP	P0063 Delivered Volume Exception Report	Electronic or other method, as agreed.

Considerations

In principle do the working group agree with the processes and timescales proposed for:

- Submission of MSID Pair Delivered Volumes notifications?
- Notification validation?
- Confirmation / rejection of notification?
- Updating MSID Pair Delivered Volumes?
- Exception handling?

Any other business

Chair

Next steps

Sasha Townsend

Next steps

- Draft redlining and aim to share with IWG members
- Follow on actions from today's meeting
- Meet again w/c 20 Aug 18
  - Agree any outstanding actions
  - Review redlining
  - Review consultation outline
- IWG review consultation 3 Sep – 7 Sep 18 (5WD)
- Consultation issued 17 Sep – 5 Oct 18 (alongside IWG1)
- Final IWG w/c 15 Oct 18
- Committee decisions:
  - ISG – 20 Nov 18
  - SVG – 4 Dec 18

Meeting Close

Chair

