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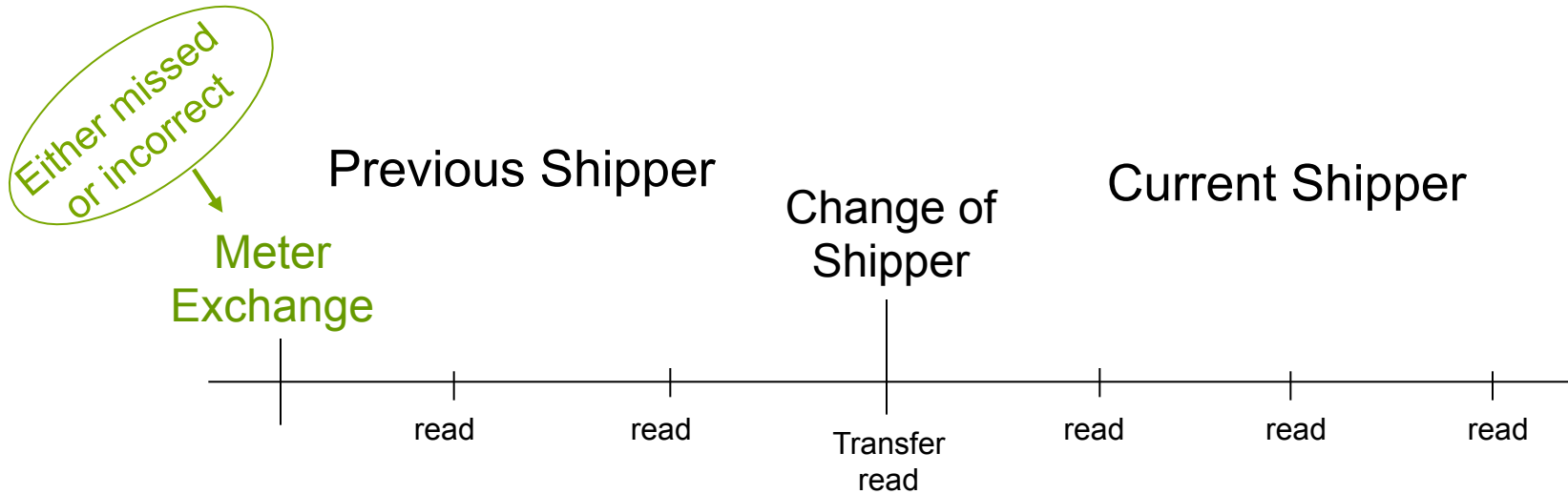
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Project Nexus Workgroup

Retro-Update Scenarios

13th March 2012

Retro Update Example: Meter Asset Exchange



Current Shipper updates details of exchange or loads meter exchange retrospectively during previous Shipper's ownership.

Issue: what happens to the reads/consumptions already loaded?

Principles

- Current Shippers responsibility to invalidate or replace their existing meter reads
 - If applicable, the reads for the previous Shipper will be automatically flagged as invalid back to the asset update and not used for AQ review
- Where the existing reads are incorrect and the transfer read is not replaced, the Shipper can submit a read after the transfer date to act as a back-stop date for AQ calculation
 - Issue: this may affect monthly AQ review if asset update is less than 9 months ago
- Shipper must submit an asset update before submitting read replacements or submission of new reads (following acceptance of the asset update)
- Consumptions for a previous Shippers ownership will be recalculated or the reads will be invalidated if the read history is incorrect

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Potential Issues

- What happens if a notification regarding the reads (replacing reads etc) is not received?
- Options:
 1. Consumptions are re-calculated if nothing is received from the Shipper after [x] days of the asset update using AQ & asset details only (not reads)

Issue: Valid reads could be invalidated

2. Consumptions are not recalculated and no further action taken. After [x] days of the asset update a notification is issued to the Shipper.

Issue: Charges will be suspended, no AQ review until a valid read is loaded but this may use incorrect consumptions resulting in an inaccurate AQ

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Next Steps Proposal

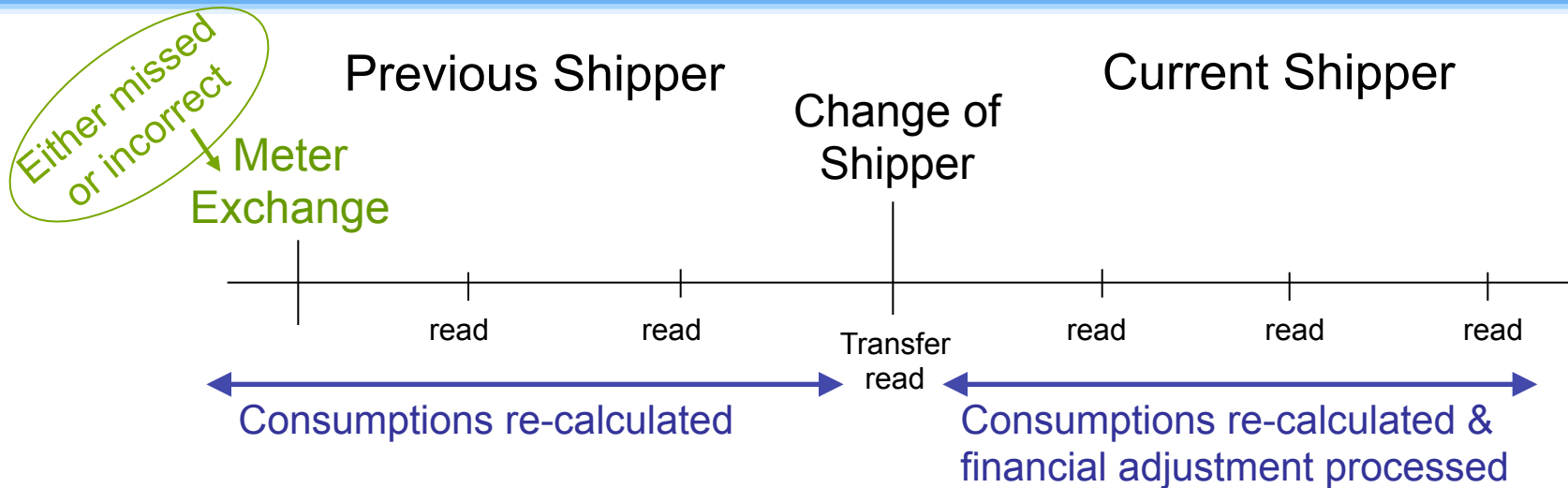
- BRD updated to reflect the following scenarios although the issues and options have not been documented.
- There are a number of different options dependent on type of read, when the update is effective and action, or not, taken by the Shipper
- Also identified a few issues around the scenarios
 - What AQ is used to validate replacement reads?
 - Reads used previous consumption to validate, not always possible in some scenarios
 - Previous Shipper may want to submit replacement reads which don't correspond to the current Shippers reads
- Suggest that high level requirements are recorded which are subject to further analysis
- Any clarifications or issues identified as a result of the analysis will be raised at PN UNC for resolution & agreement

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Scenario 1: Actual Reads held are correct



Assumption:

- All reads are actual meter reads and are correct
- Following the asset update the consumptions are incorrect

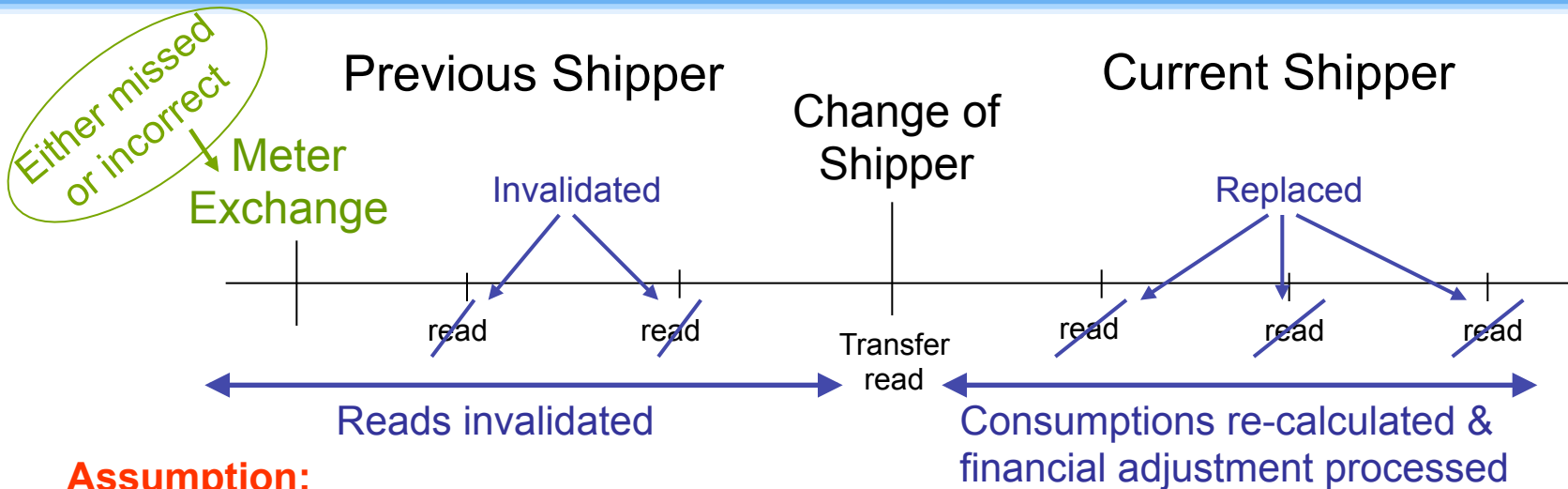
Process:

- Current Shipper notifies that the existing reads are correct.
- System re-calculates consumptions, held since the update, using the existing reads and new asset details (for both current & previous Shipper)
- Consumptions also re-calculated for any estimated reads
- Financial adjustment for current Shipper is processed automatically
- Financial adjustment for previous Shipper only processed following a request

Issue: What should happen if a notification is not received?

Scenario 2A: Actual Reads held are Incorrect

Shipper replaces reads



Assumption:

- All reads held are incorrect actual meter reads
- Current Shipper submits replacement reads for their period of ownership

Process:

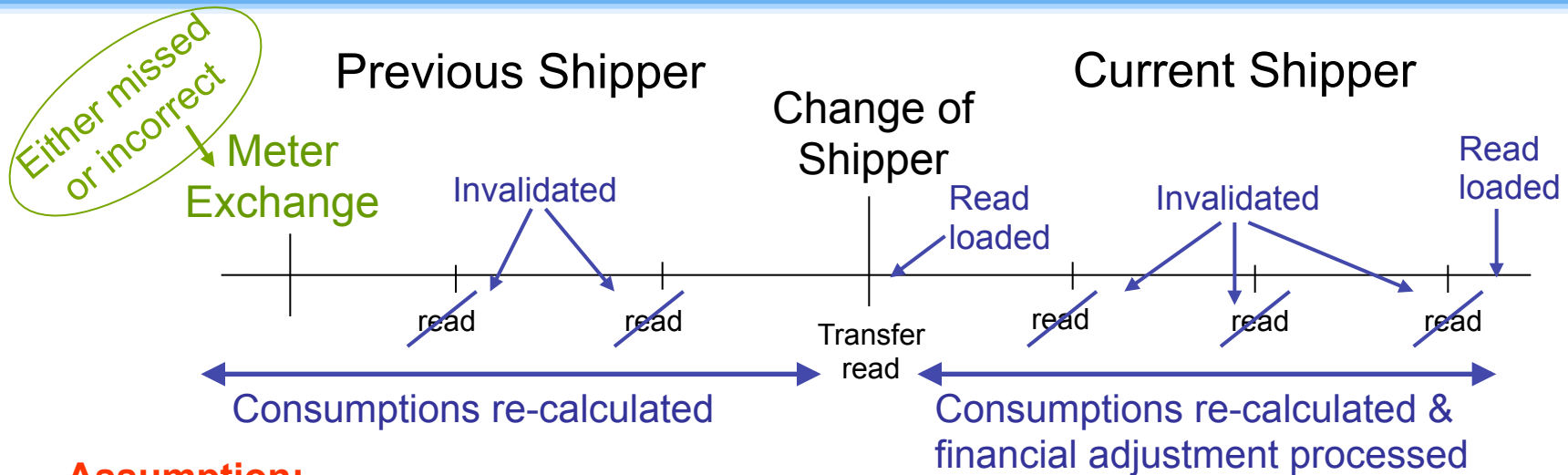
- System re-calculates consumptions using the replaced reads and new asset details (current Shipper) & invalidates any estimated reads
- Reads for previous Shipper will be invalidated
- Back-stop date created for transfer date for the purposes of AQ review
- Financial adjustment for current Shipper is processed automatically based on the re-calculated consumptions
- Financial adjustment for previous Shipper only processed following a request and replacement reads

Issue: What should happen if the reads are not replaced?



Scenario 2B: Actual Reads held are Incorrect

Shipper submits 2 reads



Assumption:

- All reads loaded are incorrect actual meter reads
- Current Shipper does not have history of reads and is unable to replace reads
- Shipper submits 'back-stop' read for day after transfer date & a recent read

Process:

- System re-calculates consumptions using the 2 reads supplied by the Shipper and new asset details
- Reads loaded for previous and current Shipper (including estimates) are invalidated.
- Financial adjustment for current Shipper is processed automatically based on the two reads loaded

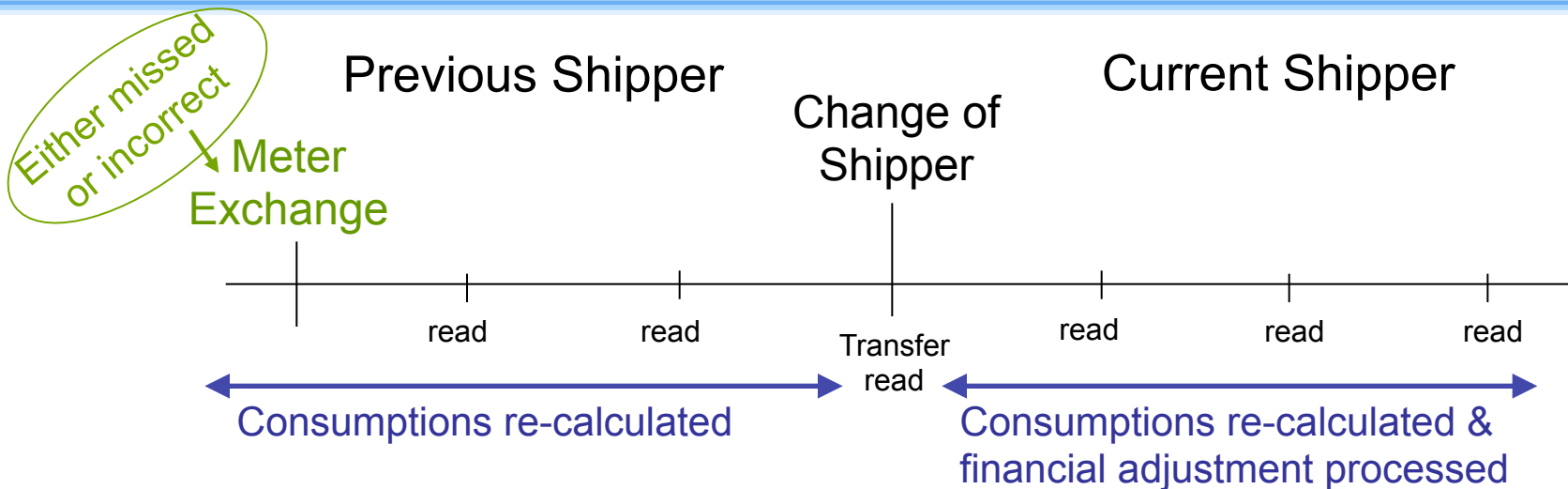
Issue: What should happen if reads are not submitted?

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Scenario 3A: Reads held are all estimates, Shipper submits replacement reads



Assumption:

- All reads loaded are estimates
- Shipper submits replacement reads or 2 reads to create a 'back-stop read'

Process:

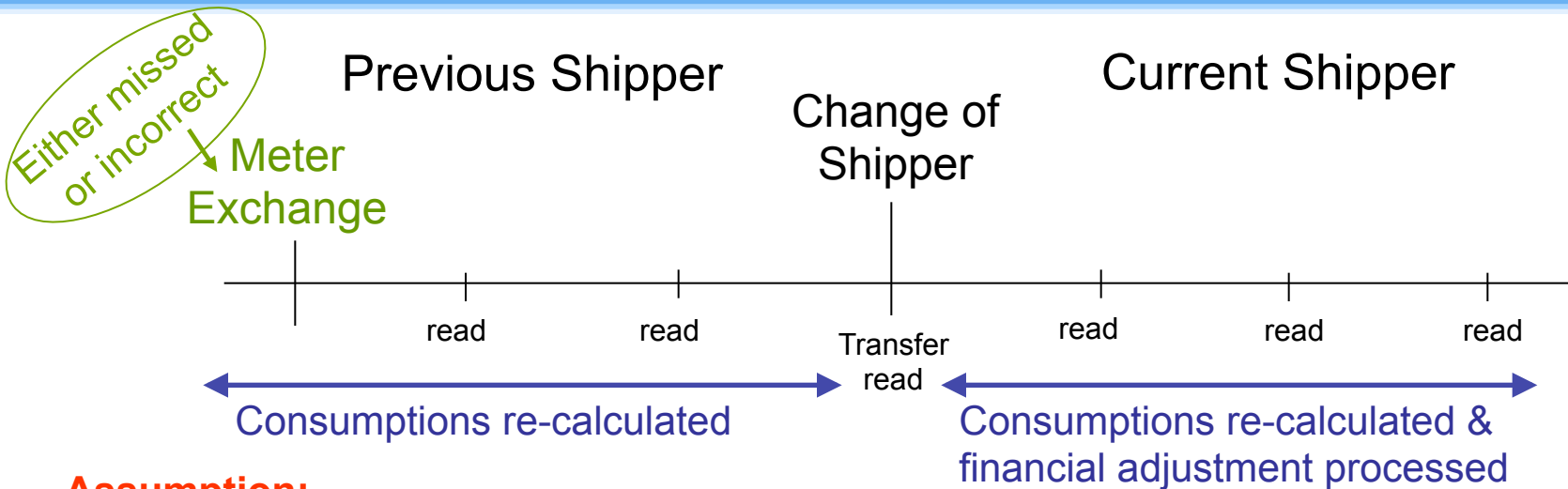
- System re-calculates consumptions, loaded since the update, using the new reads for the current Shippers period of ownership and new asset details.
- Financial adjustment for current Shipper is processed automatically
- Reads for previous Shippers period are re-calculated. Financial adjustment for previous Shipper only processed following a request

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Scenario 3B: Reads held are all estimates, Shipper does not submit new reads



Assumption:

- All reads loaded are estimates
- Shipper does not submit replacement reads (but may submit notification to recalculate estimates based on updated information & AQ)

-Process:

- System re-calculates consumptions, loaded since the update, using the AQ and new asset details. New estimated reads are loaded
- Financial adjustment for current Shipper is processed automatically based on the estimates
- Reads for previous Shippers period are also replaced. Financial adjustment for previous Shipper only processed following a request

