MHHS PROGRAMME

MHHS Walkthrough: PIT Guidance

04 April 2024
MHHS-DEL2483

Questions - slido.com #PIT

Please engage via Slido – we are here to take your questions.

Please identify your Role in your question.

We have dedicated 15 minutes to a Q&A at the end of the session to answer all questions through Slido. Any questions not answered in the session will be followed up in the FAQ document.

Please do not discuss topics outside the scope of this walkthrough.

We want to work collaboratively to equip you with the guidance, support and information you need to complete your PIT deliverables.

This session is being recorded and will be published on the Collaboration Base and website for you to revisit and for those unable to attend.

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Introduction

Vaishnavi Sharma
5 minutes

PIT Scope, Walkthrough and Q&A

Vaishnavi Sharma, Matt Cogram & Nicola Farley
50 minutes

Close

George Player
5 minutes

Why are we holding this walkthrough?

- Further to discussion at the Qualification Working Group (QWG) on Tuesday 12th March, the Code Bodies have updated the PIT Guidance document to support participant queries and clarifications requested. This walkthrough session is being held to provide participants with an update on the scope of PIT for MHHS Qualification and the opportunity to ask questions

Reminder of key dates for PIT deliverables

Activity Milestone	Deliverable Submission Timeline				
	Non-SIT LDSO QT	Wave 1	Wave 2	Wave 3	Wave 4
PIT Approach & Plan (Functional & Migration)	26 April 2024	26 April 2024	26 April 2024	26 April 2024	26 April 2024
PIT Approach & Plan (Non-Functional & Operational)	14 June 2024	26 April 2024	26 April 2024	26 April 2024	26 April 2024
PIT RTTM (Functional & Migration)	3 June 2024	27 September 2024	29 November 2024	31 January 2025	31 March 2025
PIT Test Scenarios (Functional & Migration)	3 June 2024	27 September 2024	29 November 2024	31 January 2025	31 March 2025
PIT RTTM (Non-Functional & Operational)	12 July 2024	27 September 2024	29 November 2024	31 January 2025	31 March 2025
PIT Test Scenarios (Non- Functional & Operational)	12 July 2024	27 September 2024	29 November 2024	31 January 2025	31 March 2025
PPs issue draft PIT Test Completion Report (Functional & Migration)	26 July 2024	29 November 2024	31 January 2025	31 March 2025	30 May 2025
PIT execution (Functional & Migration)	30 August 2024	20 December 2024	21 February 2025	18 April 2025	20 June 2025
PIT execution (Non-Functional & Operational)	30 September 2024	20 December 2024	21 February 2025	18 April 2025	20 June 2025
PPs issue final PIT Test Completion Report (Functional & Migration)	30 August 2024	20 December 2024	21 February 2025	18 April 2025	20 June 2025
PPs issue final PIT Test Completion Report (Non-Functional & Operational)	30 September 2024	20 December 2024	21 February 2025	18 April 2025	20 June 2025

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Please ask questions throughout the webinar.

You can join at Slido.com

#PIT

Definition for PIT required for Qualification:

All Market Participants intending to operate within the new MHHS arrangements are required to perform Pre-Integration Testing (PIT) to validate every system or service that is included in the full MHHS Design for compliance with the MHHS functional, migration, non-functional, and operational requirements. This includes back-office systems if affected. The system/service may have several components and PIT for Qualification refers to the testing conducted when those components have all been internally integrated and where all components are tested to ensure the Market Participant can perform all steps for their Market Role as defined within the MHHS Business Processes. This should include interfaces with any system within their architecture that generates or ingests information required as part of the MHHS Business Processes that may come from or go to systems not defined within the MHHS Design.

Illustrative examples:

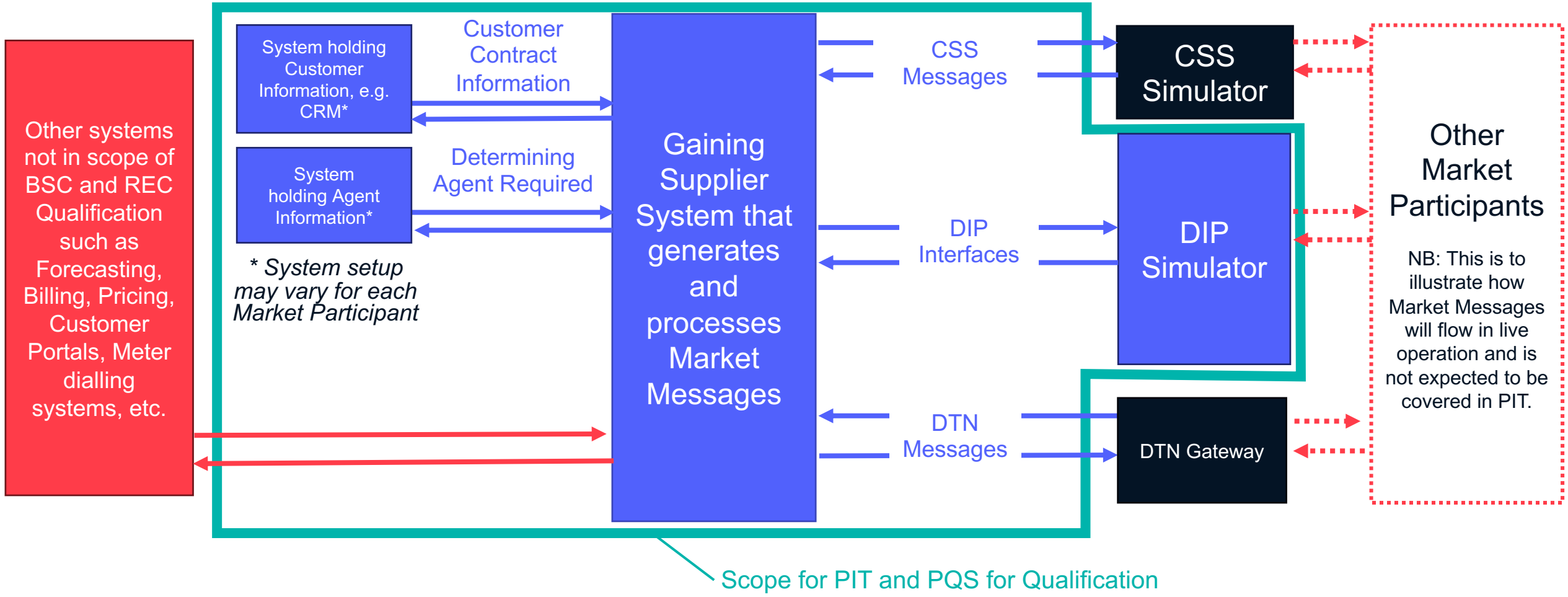
We have developed some examples of how this definition should be applied by Programme Participants:

- PIT Scope for Supplier for the following Business Processes:
  - Change of Supplier (CoS) coincidental with Change of Agent (CoA) (BP001, BP002, BP003)
  - Change of Registration Data (BP010)
- PIT Scope for Metering Service for the following Business Processes:
  - Change of Energisation Status (BP008)
  - Change of Metering (BP009)
- PIT Scope for Data Service for the following Business Processes:
  - Data Collection (BP004)
- PIT Scope for LDSO for the following Business Processes:
  - Disconnection (BP007)
  - Market-wide Data Service (BP019) and MHHSP-ERI011B-ECS Reports

Key principles for interpreting the examples depicted in the following slides:

- Any market messages listed are for illustrative purposes and is not expected to be a full list.
- Market Messages sent via DIP or DTN are undergoing changes and therefore should form a part of PIT evidence. CSS messages may be required to complete the Business Process steps as part of the test case but are not subject to assurance as there are no changes to CSS messages.
- Interactions with other Market Participant are depicted to illustrate how Market Messages will flow in live operation and are not expected to be covered in PIT.
- Each example illustrates the chosen Business Process from the perspective of one Market Role under test, which has been specified. The same Business Processes may require testing from the perspective of other Market Roles than those depicted in the examples, in which case, their PIT scope would differ. For example, for a Supplier requesting metering works and receiving meter updates, the PIT Scope will differ from example 4.
- The examples shared are not a full list of Business Processes that various Market Roles will need to demonstrate coverage of.
- For the purpose of the Pre-Qualification Submission (PQS) (and for Placing Reliance), the expectation is a similar approach will be followed by Participants, as outlined in the examples, to identify systems to be covered within their System Architecture.
- When Placing Reliance, Programme Participants must ensure they can demonstrate full coverage of PIT as defined, i.e. ensuring coverage of any integration between various systems which may be hosted by different third parties or internally.

Example 1 of PIT Scope for Suppliers



Please note, this example covers the Change of Supplier coincidental with Change of Agent Process from a **Supplier** perspective only.

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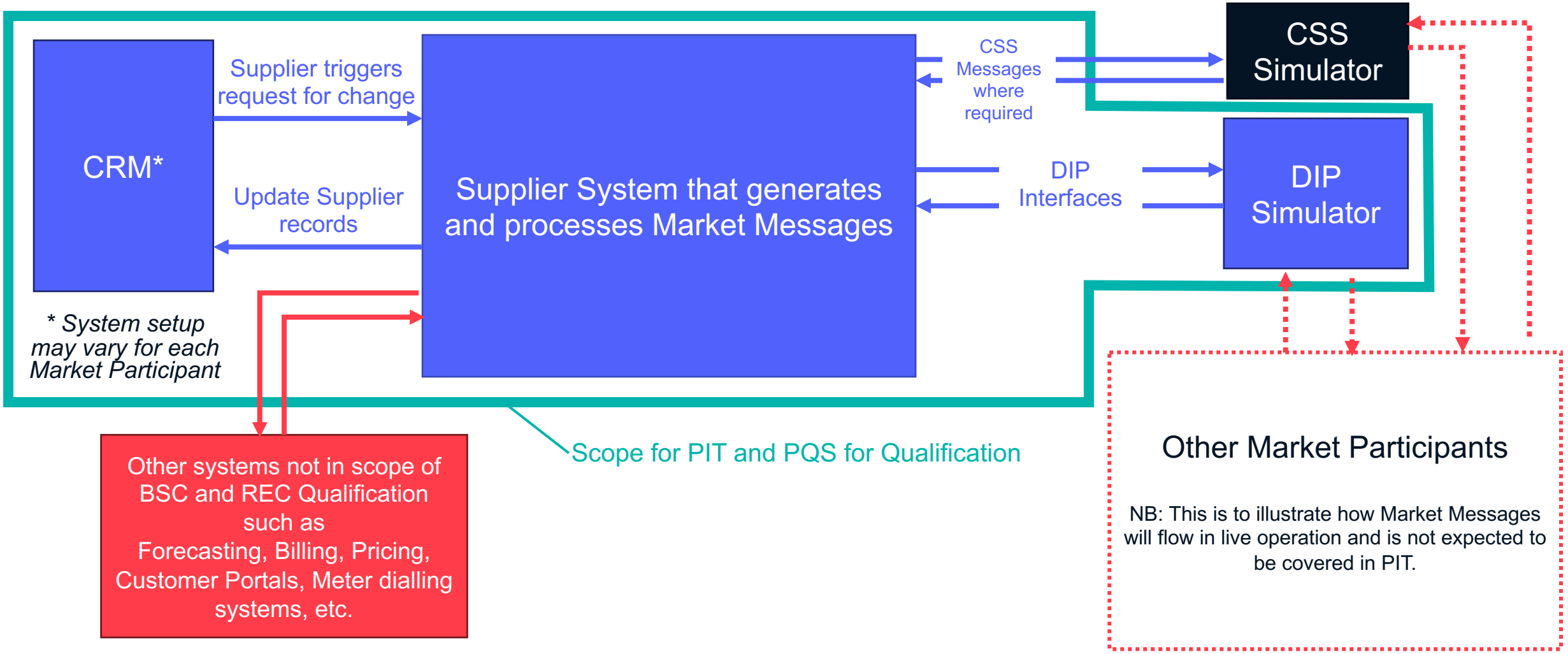
In-scope of MHHS Design and Qualification

Consequential change for Market Participant currently not in-scope of MHHS Design and Qualification

External interaction not in scope for PIT

Example 2 of PIT Scope for Suppliers



Please note, this example covers the Change Registration Data Process from a **Supplier** perspective only.

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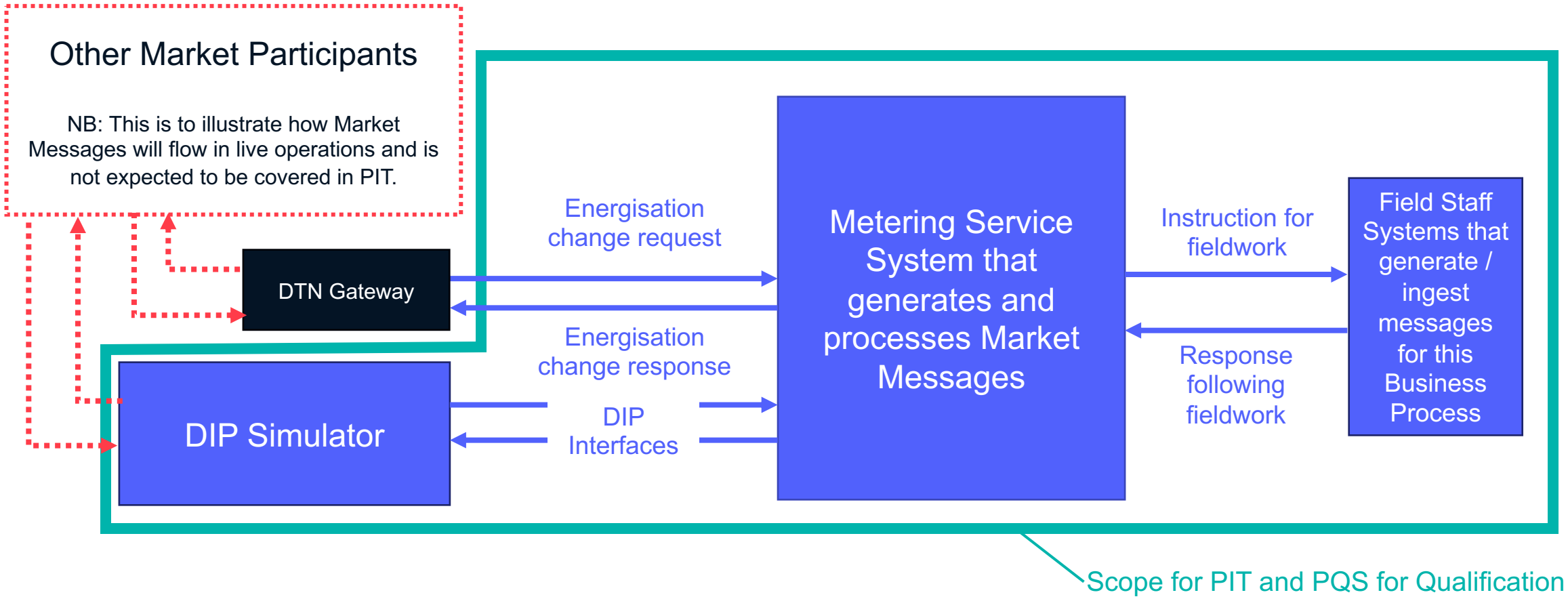
Example 3 of PIT Scope for Metering Service

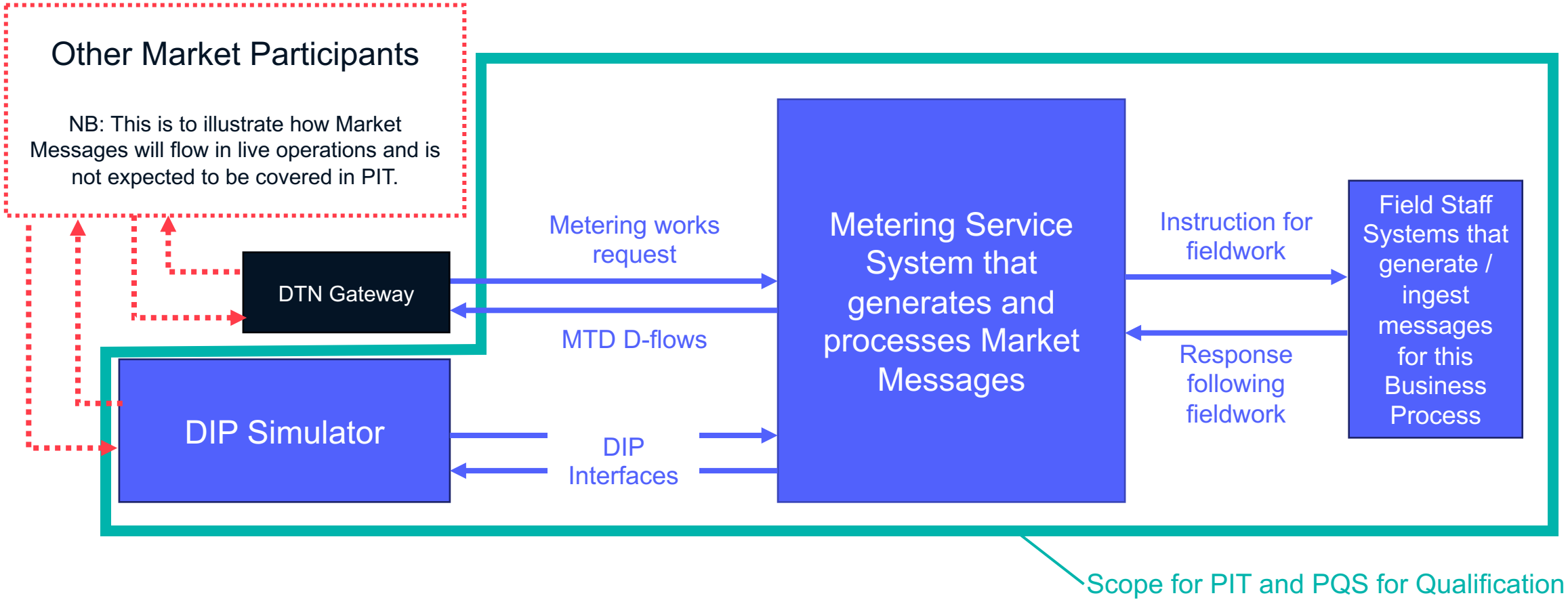


Please note, this example covers the Change of Energisation Business Process from a **Metering Service** perspective only.

In-scope of MHHS Design and Qualification

External interaction not in scope for PIT

Example 4 of PIT Scope for Metering Service



Please note, this example covers the Change of Metering Business Process from a **Metering Service** perspective only.

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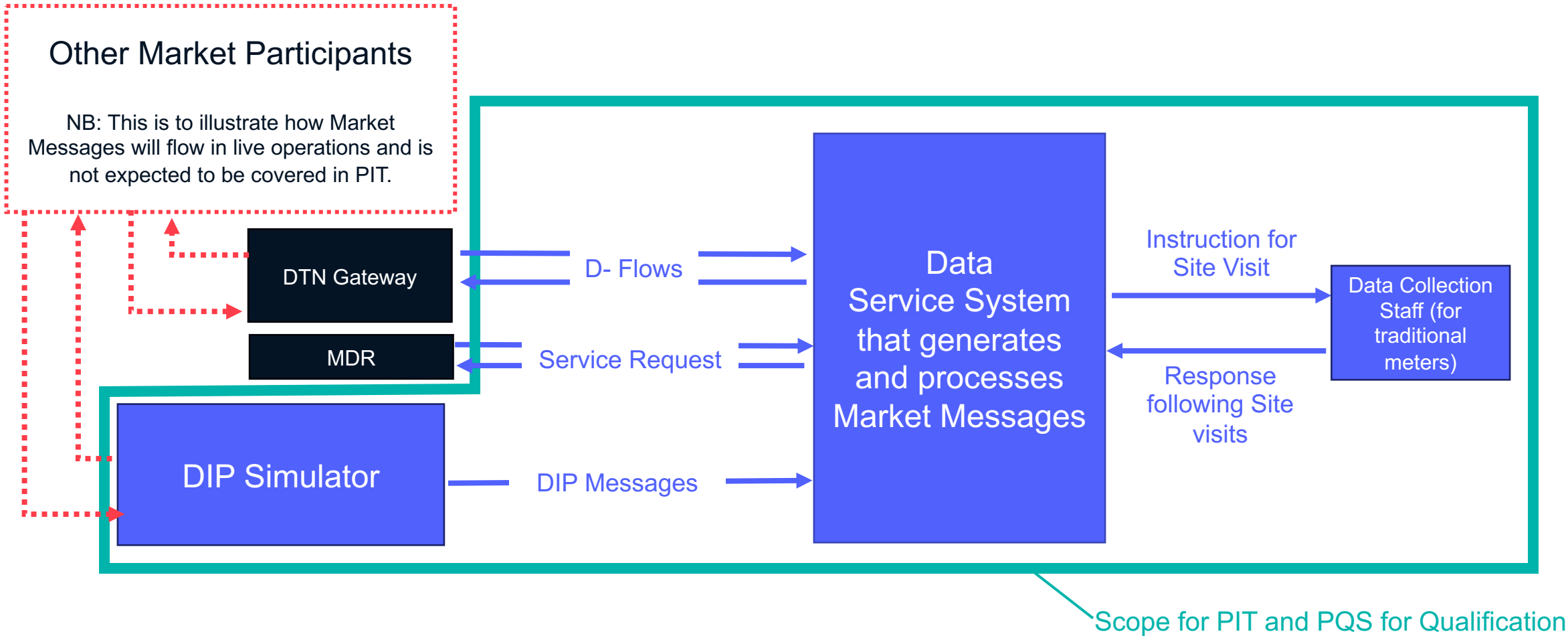
Example 5 of PIT Scope for Data Services



Please note, this example covers the Data Collection Business Process from a **Data Service** perspective only.

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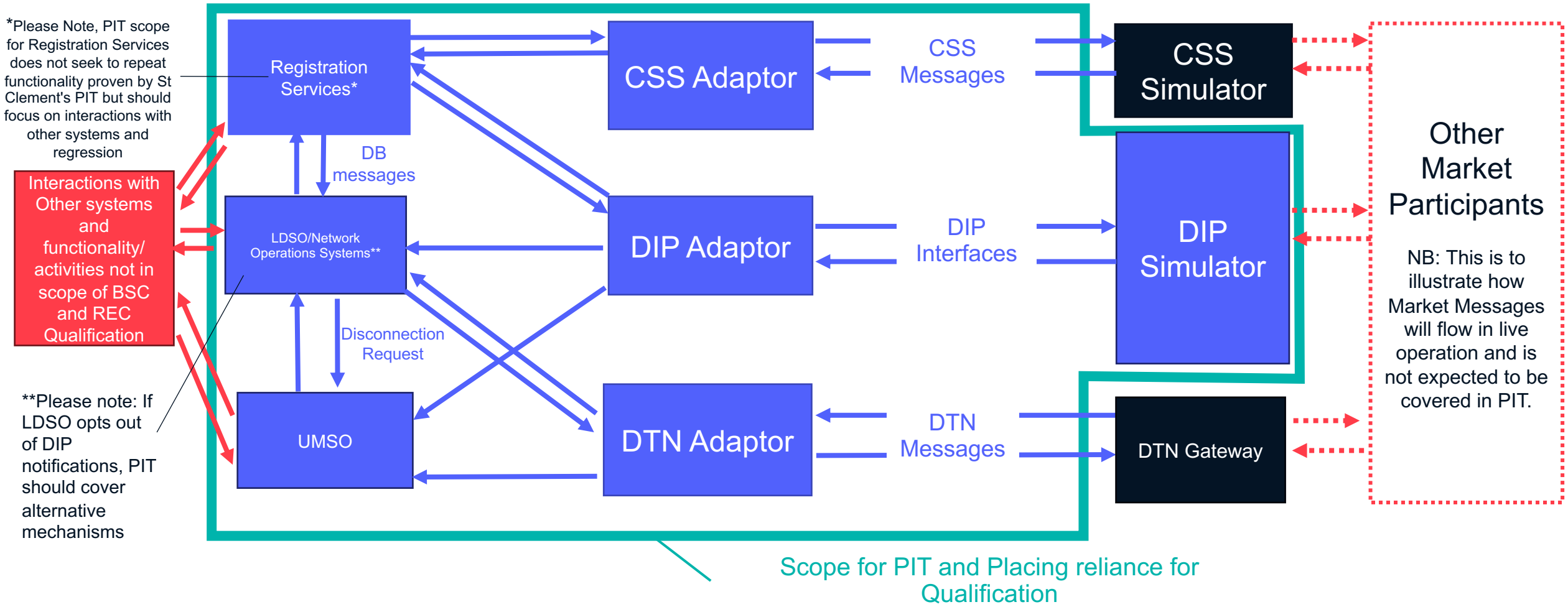
Example 6 of PIT Scope for LDSO/UMSO/Registration Service



Please note, this example covers Disconnection Business Process from a **LDSO/UMSO/Registration Service** perspective only.

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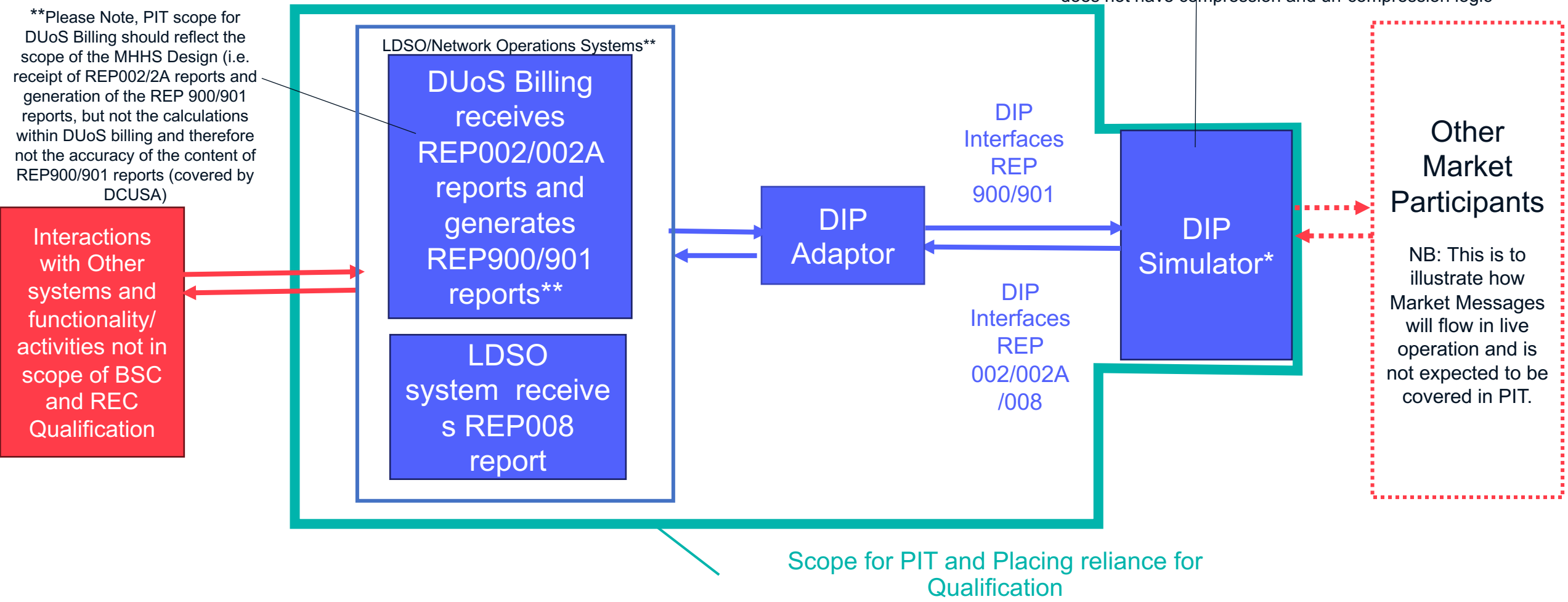
Example 7 of PIT Scope for LDSO

*Please note: DIP simulator only validates the REP interfaces as strings i.e. it doesn't not validate content and does not have compression and un-compression logic

**Please Note, PIT scope for DUoS Billing should reflect the scope of the MHHS Design (i.e. receipt of REP002/2A reports and generation of the REP 900/901 reports, but not the calculations within DUoS billing and therefore not the accuracy of the content of REP900/901 reports (covered by DCUSA)



Please note, this example coversMarket-wide Data Service business process and external reports and from a **LDSO** perspective only.

In-scope of MHHS Design and Qualification

Consequential change for Market Participant currently not in-scope of MHHS Design and Qualification

External interaction not in scope for PIT

Close

All questions asked today will be addressed in a comprehensive FAQ document following the walkthrough. This document will be made available to participants on the MHHS Website and Collaboration Base.
Please identify your Role in your Question