MHHS PROGRAMME
Industry-led, Elexon facilitated

End to End Walkthrough Two: Meter to Bank

12 August 2022

MHHS-DEL567

Version 1.0 MHHS Design Team

Session Overview

Approach

- Our Design Team SMEs will provide an overview of the topics for discussion today focusing on a specific section of the E2E Design
- We will reference the Design Artefacts to familiarise Programme Participants with the business process, methodology statements, etc.
- It is important to note that this session is one of four dedicated walkthroughs that join up the E2E Design

Purpose

- Today's session is dedicated to improving and enhancing your understanding of the E2E Design and the Artefacts that are a part of it
- Specifically, today's session will focus on data collection, data processing (method statement overview), new Elexon services (LSS, MDS, VAS and ISD) and consumption amendments
- We will also respond to any questions, comments or queries you may have

Outcomes

- By the end of today's session, you will have:
  - An increased understanding of this section of the E2E Design and its Artefacts
  - Your specific questions answered or logged to follow up on later
  - Answers to questions and comments being raised by Programme Participants

Outputs

- We will issue the slide pack and a link to the recording for this session
- All questions submitted on Slido and asked in person will be logged and the answers transcribed and edited for comprehension
- These will also be issued to all attendees

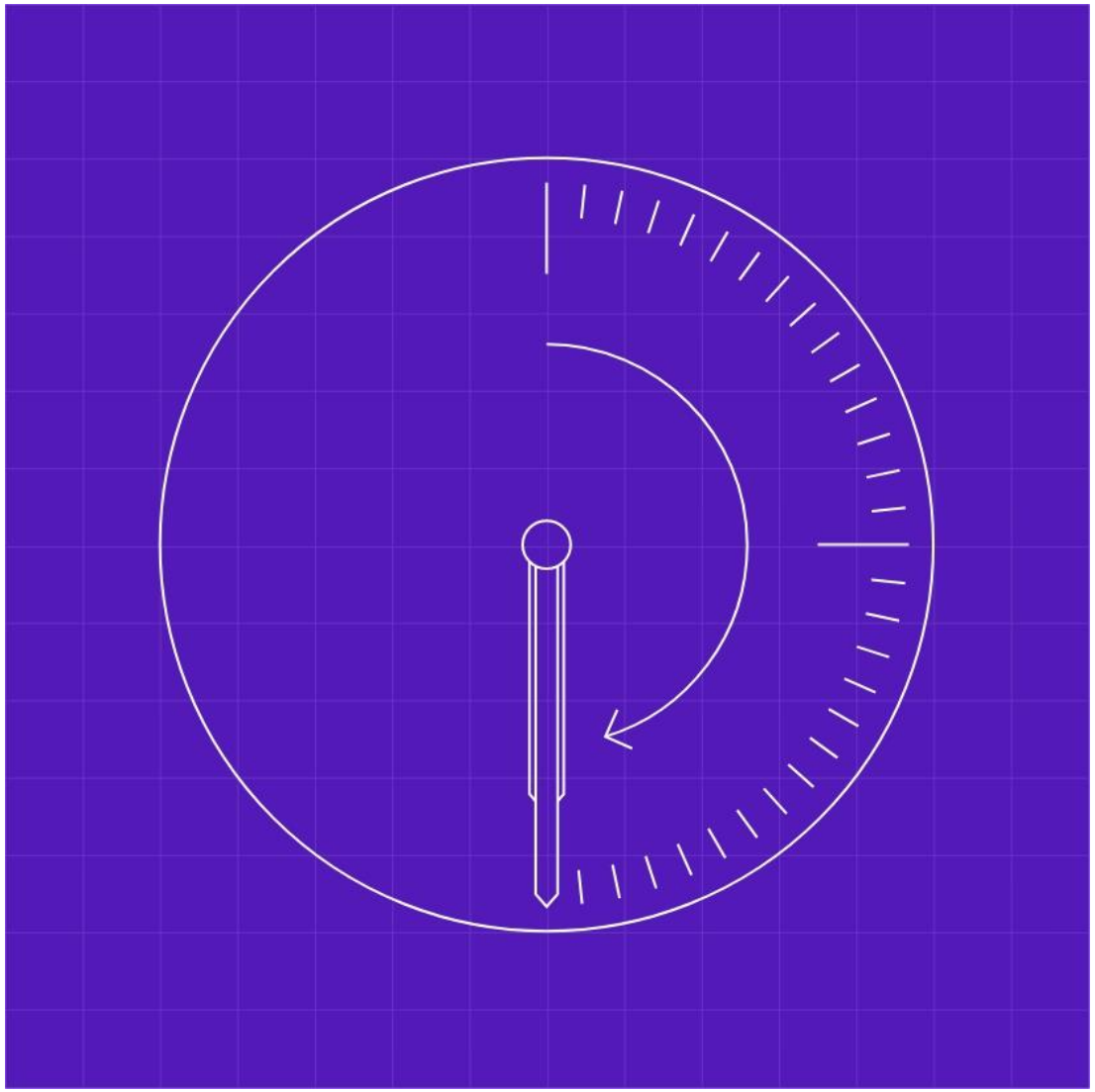
Slido and Rules of Engagement

- There will be dedicated time for after the Walkthrough for questions
- Questions can be submitted at Slido.com with the code below, or raise your hand on Teams
- These questions will be grouped into themes by the facilitator and answered in the dedicated time after the walkthrough

Questions - slido.com #MHHS

Today's Session

1. MHHS Target Operating Model (TOM)
2. Data Processing
    1. Smart
    2. Advanced Data
    3. Unmetered Supplies
3. Elexon Central Systems
    1. Load Shaping Service
    2. Market-wide Data Service
    3. Volume Allocation Service
    4. Industry Standing Data
4. Further Playback Sessions
5. Slido Review

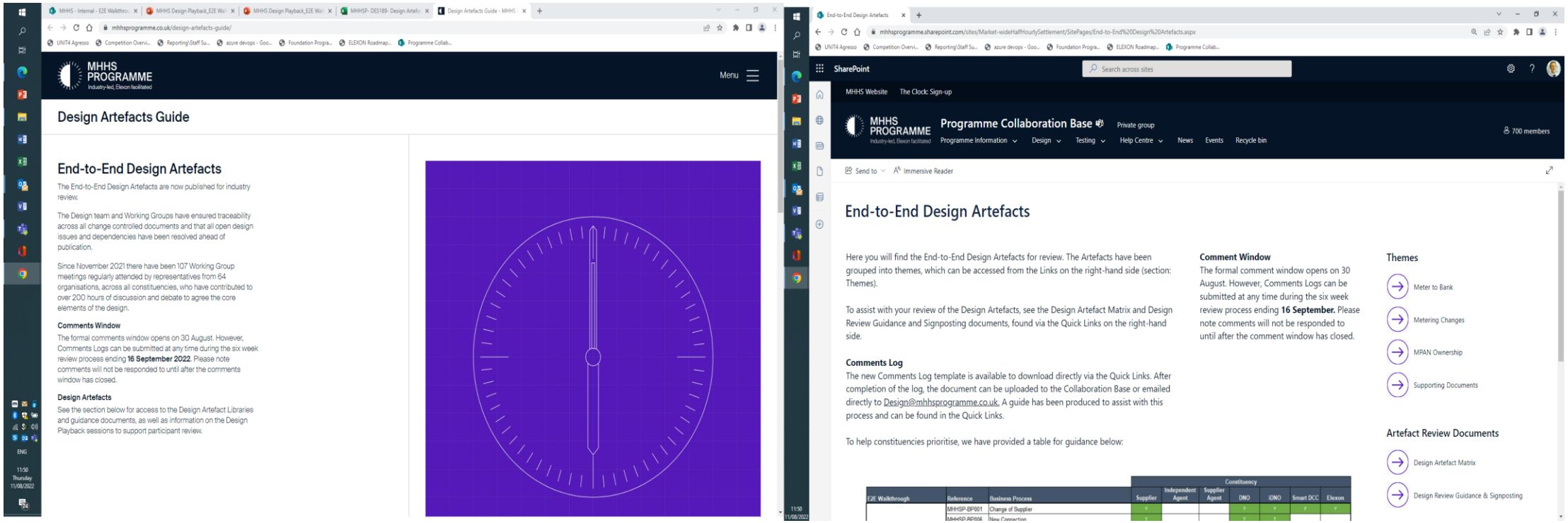


Target Operating Model

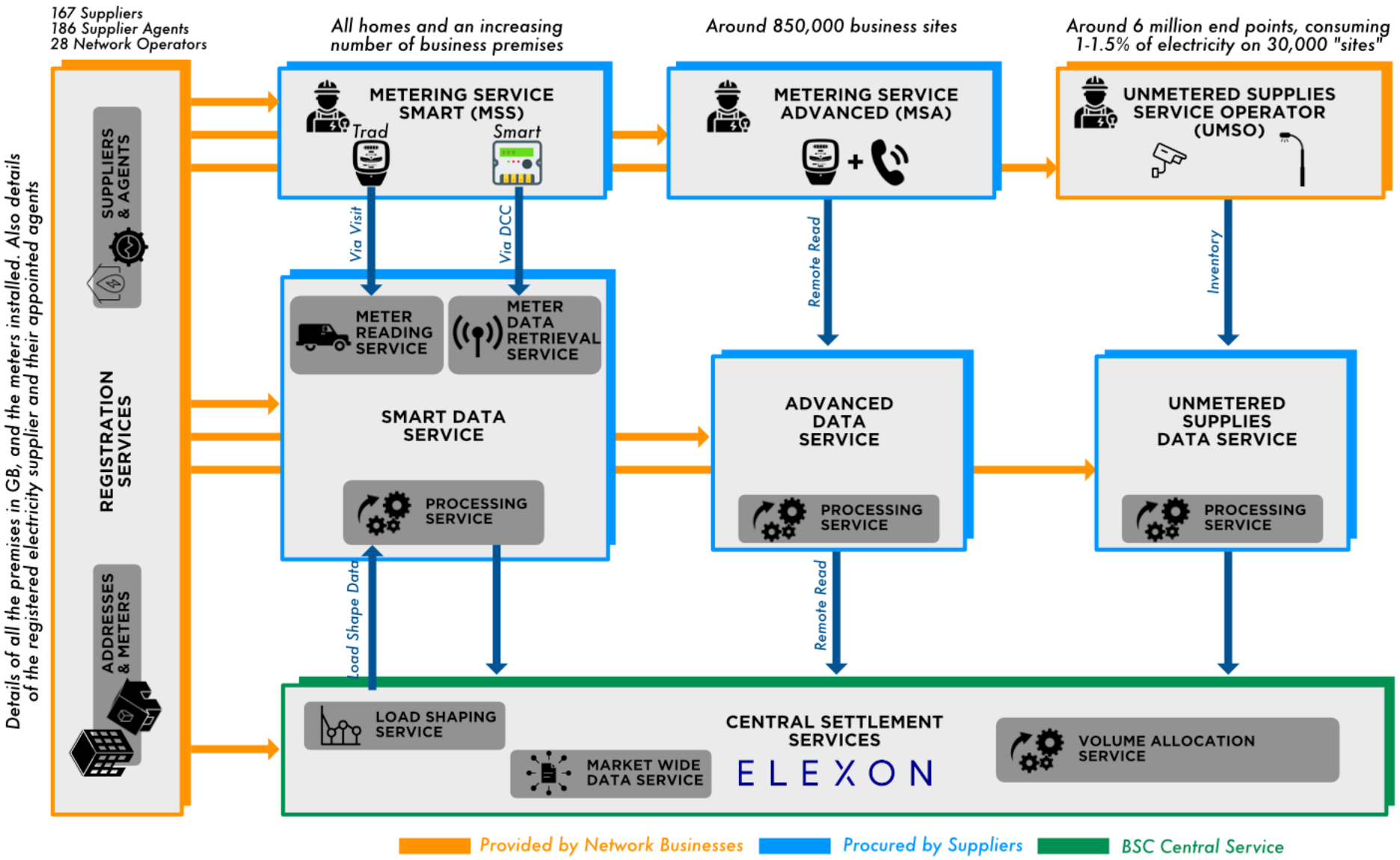
Run through

Design Artefacts: Programme Collaboration

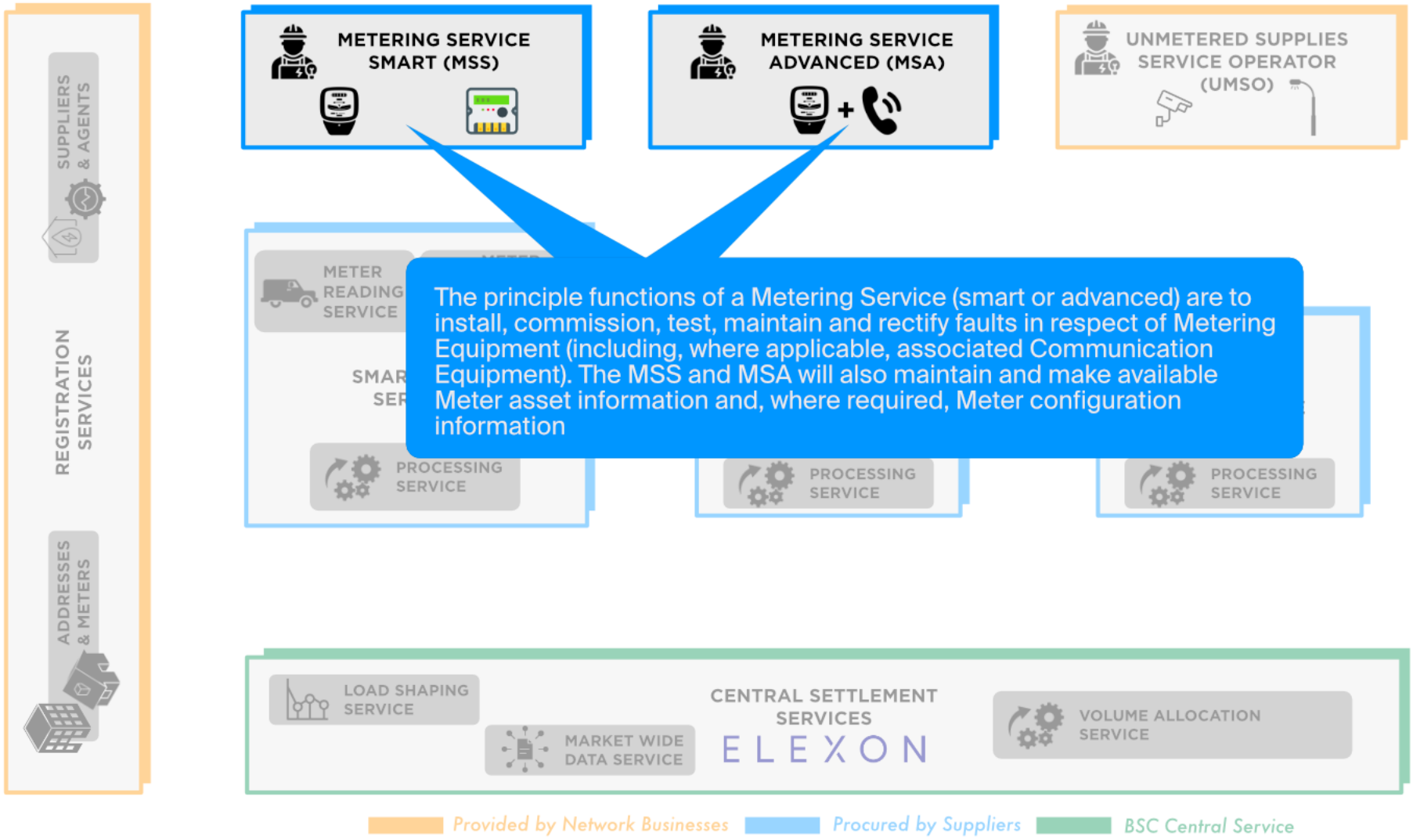
MHHS Programme website: Design Artefacts Guide



MHHS Target Operating Model – Overview

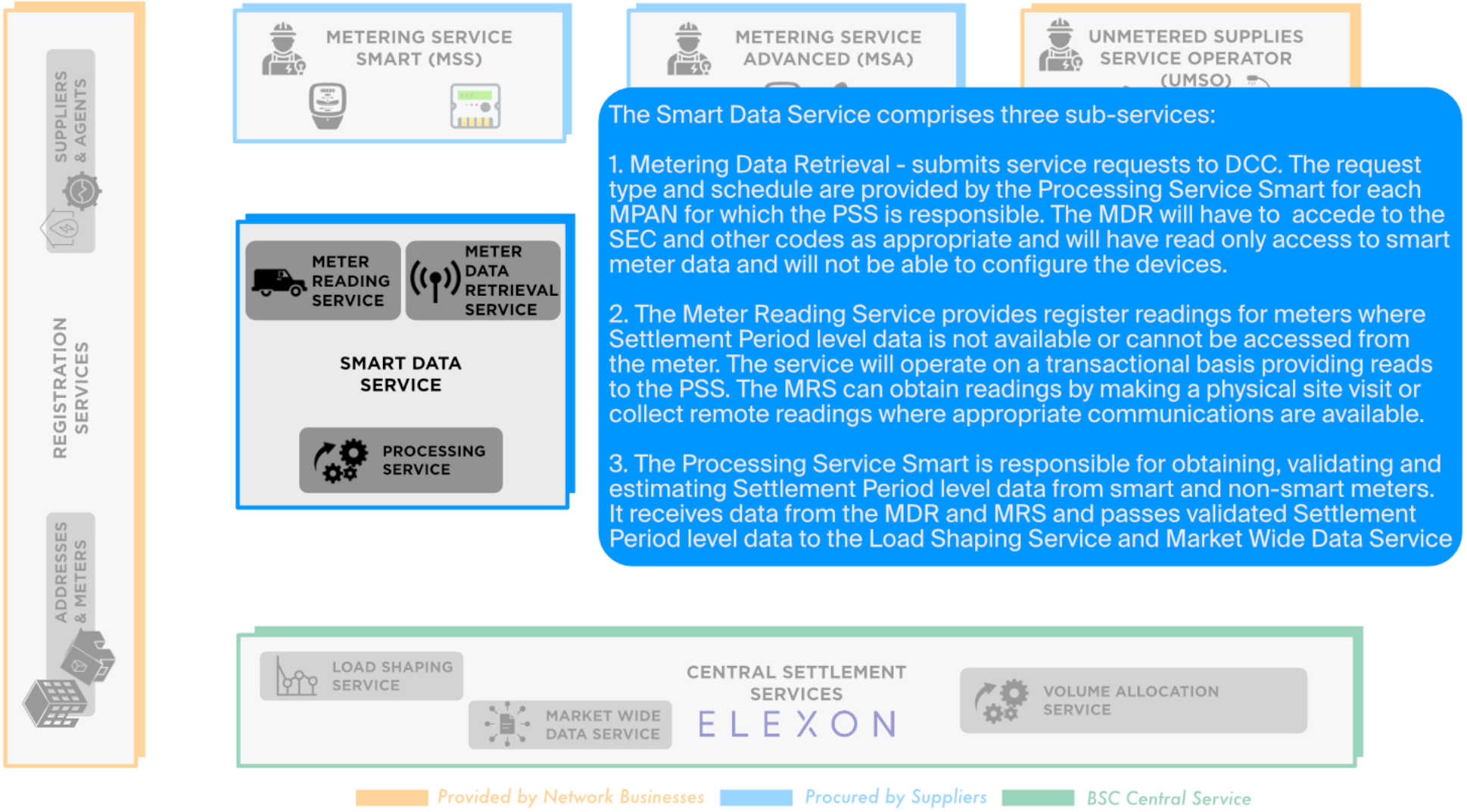


MHHS Metering Services

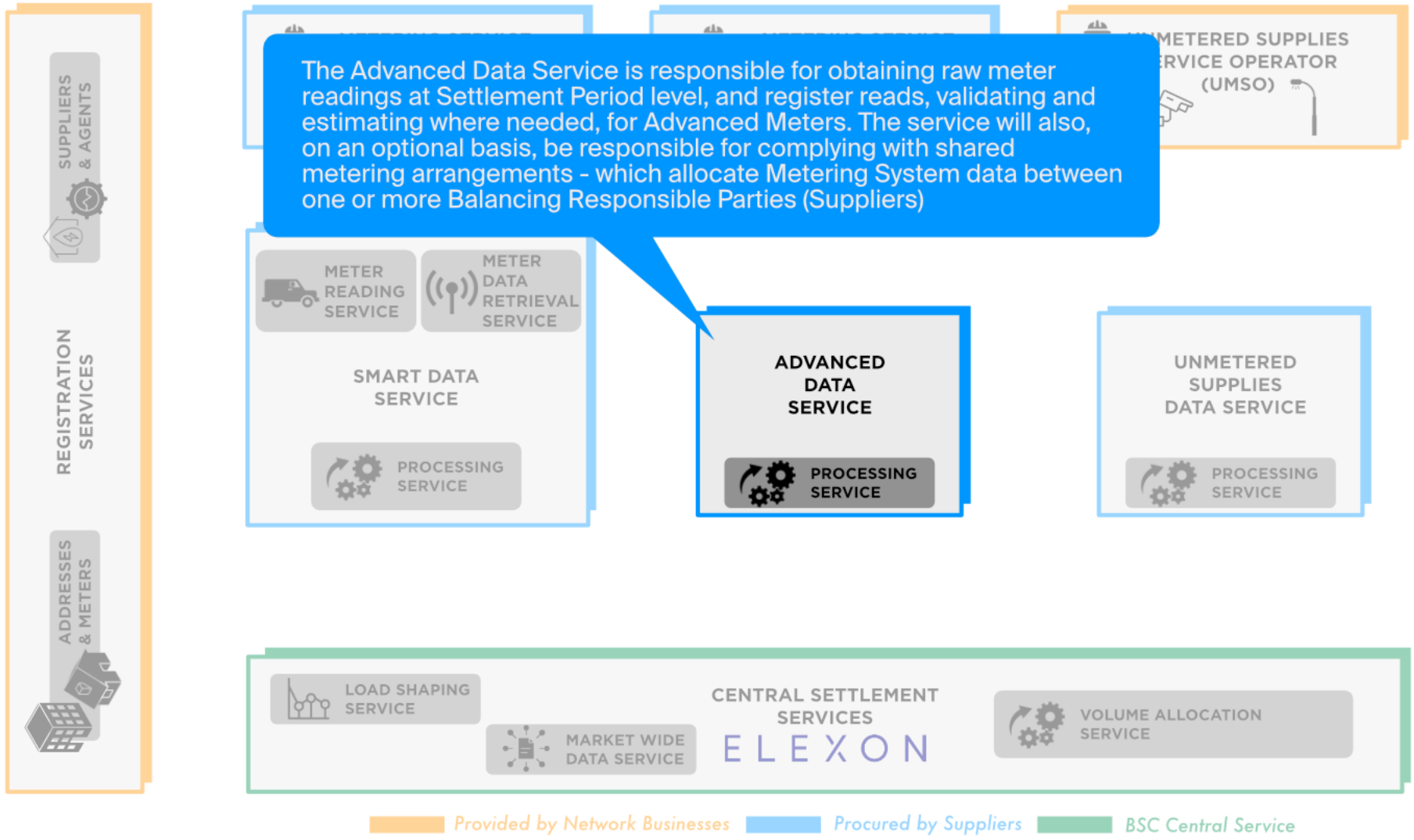


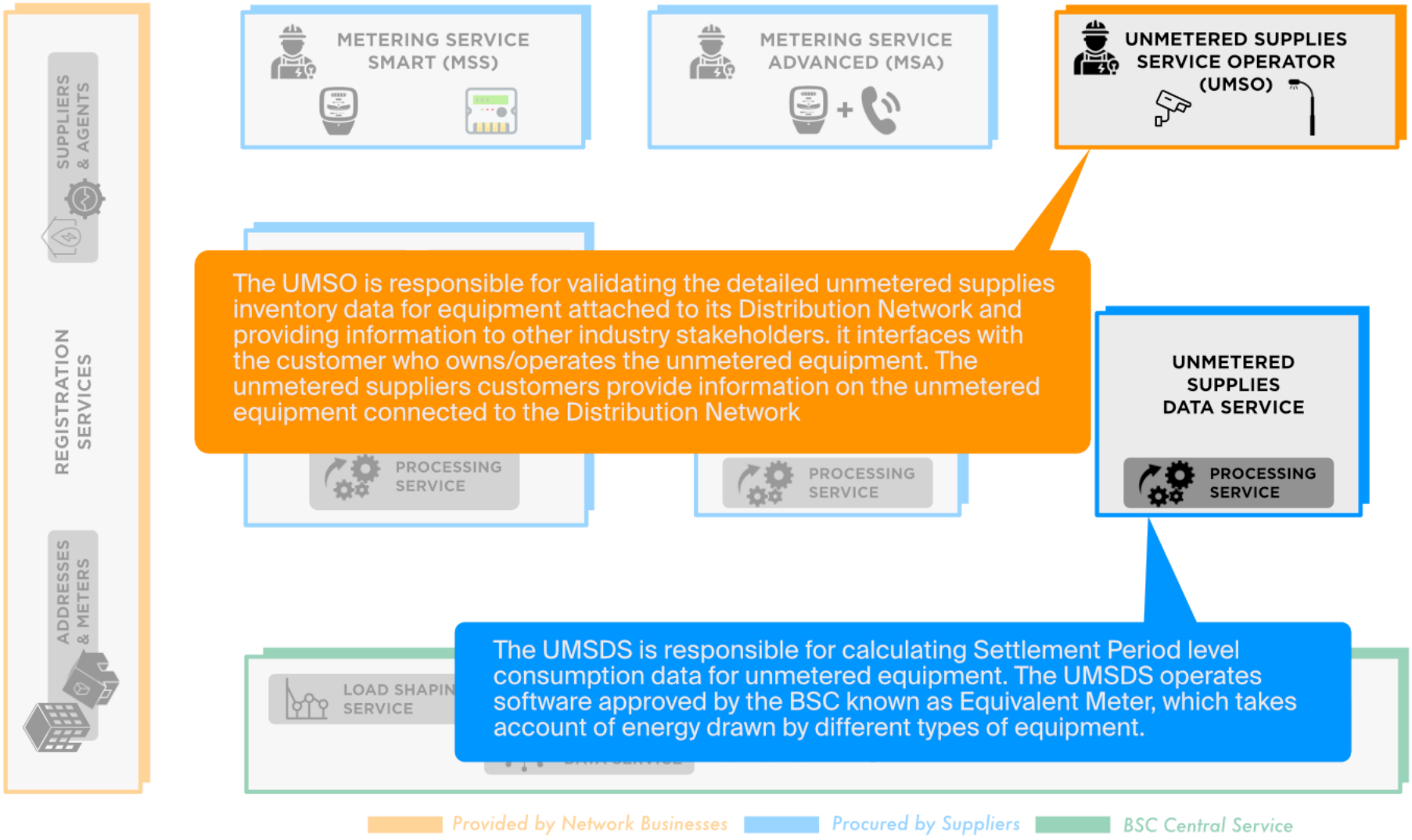
Questions - slido.com #MHHS

MHHS Smart Data Services



Questions - slido.com #MHHS


SUPPLIERS & AGENTS
REGISTRATION SERVICES
ADDRESSES & METERS
The Advanced Data Service is responsible for obtaining raw meter readings at Settlement Period level, and register reads, validating and estimating where needed, for Advanced Meters. The service will also, on an optional basis, be responsible for complying with shared metering arrangements - which allocate Metering System data between one or more Balancing Responsible Parties (Suppliers)
METERED SUPPLIES
RVICE OPERATOR
(UMSO)
METER READING SERVICE
METER DATA RETRIEVAL SERVICE
SMART DATA SERVICE
PROCESSING SERVICE
ADVANCED DATA SERVICE
PROCESSING SERVICE
UNMETERED SUPPLIES DATA SERVICE
PROCESSING SERVICE
LOAD SHAPING SERVICE
MARKET WIDE DATA SERVICE
CENTRAL SETTLEMENT SERVICES
ELEXON
VOLUME ALLOCATION SERVICE
Provided by Network Businesses
Procured by Suppliers
BSC Central Service



Questions - slido.com #MHHS

MHHS Introduces 4 new services that will be operated by Elexon

1. The Market Wide Data Service is responsible for processing Settlement Period level data from the MHHS Data Services. The MDS will provide data aggregations for Imbalance Settlement and other purposes (such as network charges)

2. Load Shaping Service is responsible for calculating energy consumption (import and export) Load Shapes for a number of defined categories of metering systems. The LSS uses validated Settlement Period level data accessed from the Smart Data Service. The Load Shape data will then be used by the PSS to convert register readings or daily consumption values into Settlement Period level data. The Load Shape data will also be used to estimate invalid Settlement Period level data for smart meters and default where data is missing or unavailable

3. Volume Allocation Service accesses Settlement Period level data from the MDS. The VAS also accesses Grid Supply Group take from the Central Data Collection Agent. Using these two data sets, the VAS calculates Settlement Period level energy volumes for Balancing Mechanism Units. The data is processes for each Settlement day in a scheduled run called a Volume Allocation Run. The processed BMU data is used in Imbalance Settlement calculations

4. Industry Standing Data - replaces the existing Market Domain Data service and will publish relevant meta data to be used by other services.

Questions - slido.com #MHHS

Data Processing

Smart

Advanced

Unmetered Suppliers

BPM, Requirements, Method statement

Operational Choreography (see link: https://mhhsprogramme-production-cdn.s3.eu-west-2.amazonaws.com/wp-content/uploads/2022/08/08075931/MHHSP_OPC001_Operational_Choreography-v1.0.pdf

Elexon Central Systems Processing

Load Shaping Service

Market-wide Data Service

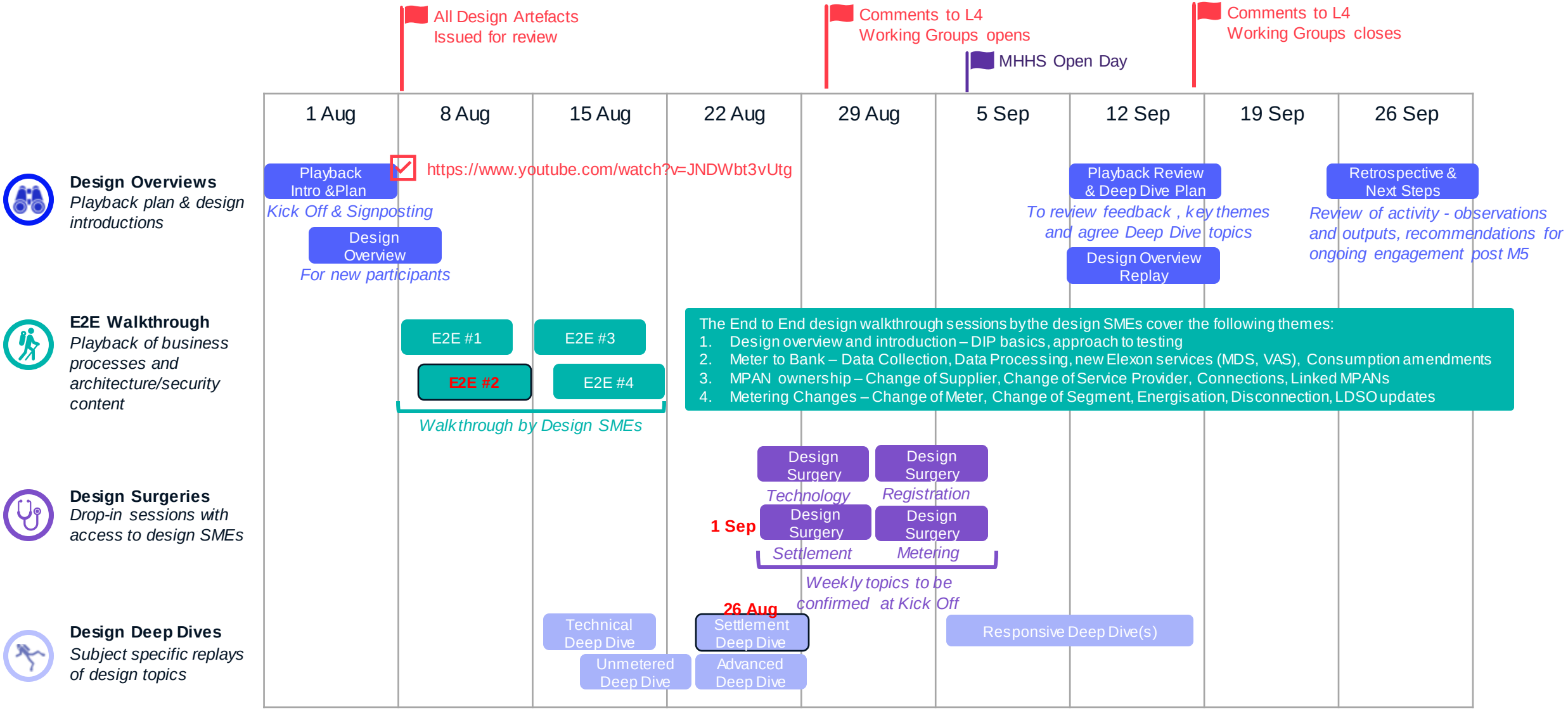
Volume Allocation Service

Industry Standing Data

BPM, Requirements, Method statements

Other Playback Sessions

MHHS Design Playback Plan on a Page



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Questions - slido.com #MHHS

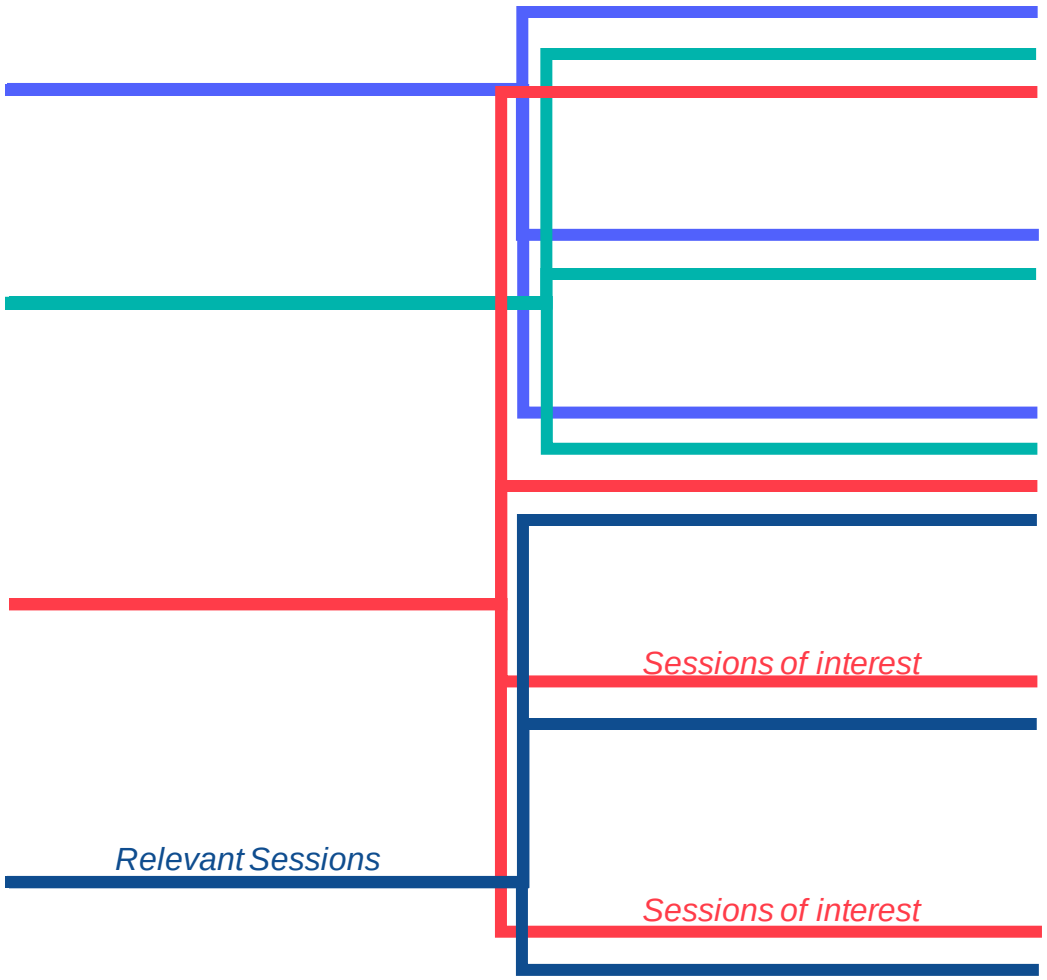
Which Sessions Should I Attend?

I'm new to the programme

I'm aware of and have engaged with the programme, but am no expert

I've been an active contributor to the design workstream

I'm a subject matter expert with an interest in Settlement, metering etc.



Global Playback Sessions
Kick off, review, retrospective

Design Overview Sessions
Introductory high level

End to End Walkthrough Sessions
High Level Themes

Design Expert Surgeries
Q&A sessions with MHHS SME's

Deep Dive Sessions
Detailed playback and discussion of specific themes

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Any questions?

Please join at Slido.com

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