AGENDA AWG-07

MEETING: ARCHITECTURE WORKING GROUP CLASSIFICATION: PUBLIC

Agenda Item	Lead	Duration
Introduction	Anthony Riding	5 mins
Other Work-stream Updates SCR Update	Kevin Spencer / Mark De Souza-Wilson Jasmine Killen	10 mins
Registration to Metering Services – Review	Andy Roberts / All	20 mins
Registration to Data Services - Progress	Andy Roberts	10 mins
Break		10 mins
Integration 2 – data and process	Andy Roberts	25 mins
SAD document sections – revisit	Andy Roberts / All	15 mins
Headline Report & Actions	Callum Chalmers	10 mins
Next Steps	All	10 mins
AOB & Close	Anthony Riding	10 mins

CCDG-07 Completed: 16<sup>th</sup> June

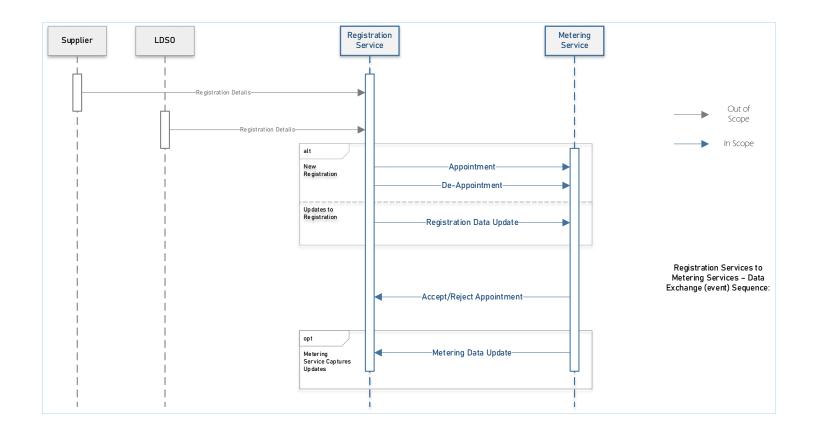
Sub-Group 5 (Registration to Data-Services)

Completed: 3<sup>rd</sup> June

Sub-Group 6 (Registration to Central Services)

Due: 26<sup>th</sup> June

SCR Update OFGEM:



### Five Specifications Created:

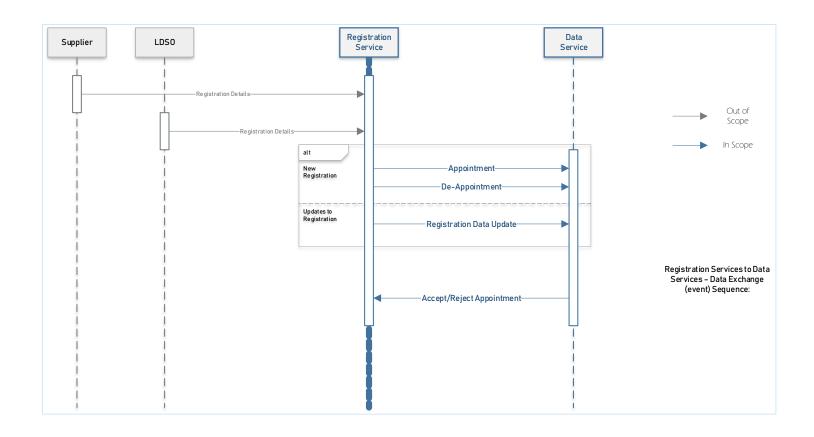
- Appointment reviewed & corrected
   MH5Interface Registration Service Appointment to Metering
- 2. De-Appointment in corrections

  MH-SInterface-Registration Service De-Appointment to Metering
- Accept/Reject in corrections
   M+6Interface Metering Service Accept or Reject Appointment
- 4. Registration Update in corrections

  MH5Interface-Registration Service Updates to Metering
- Metering Update in corrections
   MH-SInterface Metering Service Updates to Registration

### Sections to Consider:

- Content meta data (technical header)
- Content business key
- Logical Data Model



# Four Specifications Drafted:

- Appointment for review
   M+6Interface Registration Service Appointment to Data Service
- De-Appointment for review
   MH-SInterface Registration Service De-Appointment to Data Service
- Accept/Reject for review
   MH-BInterface Data Service Accept or Reject Appointment
- 4. Registration Update for review MHS Interface Registration Service Updates to Data Service

### 1. DATA CONSISTENCY

Different systems must all contain and agree on the same information (data stores).

- Provides Flexible Data Provisioning
- Synchronise Data (Business Rules)
- Adaptable to Volume Changes
- Governance (access / lineage / owners)

### 2. MULTISTEP PROCESSING

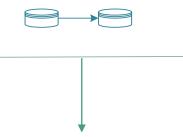
Independent applications collaborate in sequence to automate a business process.

- Model Business Processes
- Chains of Business Capabilities
- Scalable Process Execution
- Stateful (has a business context)

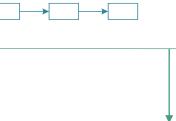
### 3. PROCESS COMPOSITION

A single consumable service coordinates between multiple hidden application services.

- Shared Services
- Increases Productivity
- Create a Business Ecosystem
- Business Evolution



- 1. Interface Specifications
- 2. Data Contracts (content)
- 3. Data Models





- 2. Activities
- 3. BPMN

# What is a Process

- "A way of performing activities to achieve an objective"
- "A business process is a collection of well described activities"
- "A business process takes one or more inputs and creates an output that is of value to another process, a customer or a market"

# Impact to Architecture

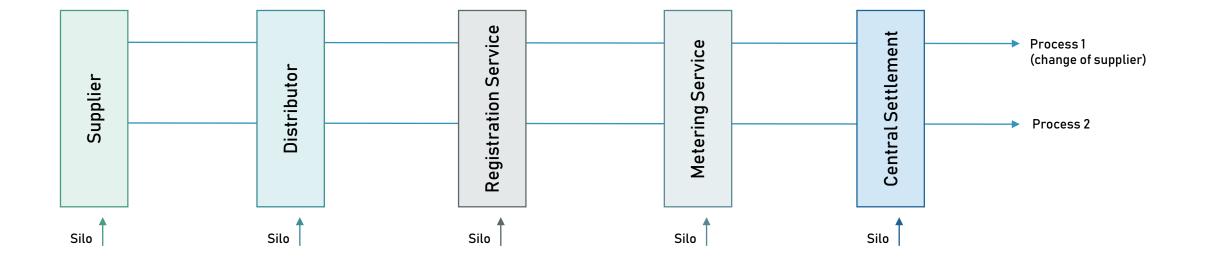
 A process model is a formal representation of a series of related activities, performed in a specific order to achieve a clear objective.

# Impact to MHHS

- A process model describes the activities required for each individual objective of the MHHS Market Model
- A process has data inputs and data outputs (related to interface specifications)

# Business Processes ignore Organisational Silo's

A process centric view of the business is a method to ignore or breakdown existing silo's or fragmented organisations that may have created artificial boundaries to achieving an objective.



# Anatomy of a Business Process

- 1. What do they Capture:
- The Activities that are performed
- The Steps within each activity
- The Role or Function performing each step
- Data inputs & outputs of each step

3. How are they Represented (a model):

Logically describe the way that process steps should be performed.

Described simply, clearly and unambiguously.

Recommended that BPMN is used to formally present them.

- 2. They have Characteristics & Features:
- Size
  - Small: LT10 activities
  - Medium: 10 to 25 activities
  - Large: GT 25 activities
- Complexity
  - Simple Structure
  - Intricate Structure
- Duration
  - Short
  - Long
- Time
  - Sensitive
  - Insensitive

# How to Populate the SAD Sections

# BUSINESS ARCHITECTURE CONCEPTUAL ARCHITECTURE LOGICAL ARCHITECTURE DATA ARCHITECTURE PHYSICAL CONSTRAINTS SECURITY CONSTRAINTS

Abstractly describes the business topology:

- MHHS Market Model Services and Roles
- Industry Size organisations (number, size, etc.) of each service
- Service Interactions which services communicate
- Top level processes which services share a business process
- Data Entities exchanged *communication diagram* of Interactions

AWG 6 Headline Report

**Actions Log** 

Registration to Data Service Interface Specification Reviews (4)

Target: 3<sup>rd</sup> July

Registration to Central Settlement Specification Creation (1)

Target: 3<sup>rd</sup> July

Metering Service (meter data) to Data Service Interface Specification Creation (?)

Target: ?

Registration Business Processes Identification (?)

Target: (AWG-8) 17<sup>th</sup> July

Business Architecture Details Target: 14<sup>th</sup> July

Data Exchange Pattern Options Temporarily Postponed