Agenda Item	Lead	Minutes
Introduction	Anthony Riding	5
Other Work-stream Updates SCR Update	Kevin Spencer / Mark De Souza-Wilson Jasmine Killen	10
AWG Overview	Andy Roberts	20
EDA Reference Model for MHHS	All	60
Headline Report & Actions	Callum Chalmers	5
Next Steps	All	10
AOB & Close	Anthony Riding	5

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CCDG-12	Completed: 15th December
Sub-Group BPM reviews (progress + Unmetered)	Rolling: 18th December/6th January
SCR Update	OFGEM:

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DASHBOARD

PRODUCTS

Enterprise Architecture

All artefacts are Target-State

Market Model	100%
Communication Diagram	70%
Capability Model	0%
Level-0 Process List	100%

Data Architecture

All artefacts are Target-State

	Registration Data	Consumption Data	ISD
Logical Data Model			n/a
Data Catalogue			
Interface Specification			
I/F Sequence Diagram		n/a	n/a

Consultation

Risk Assessment	
Reference Model	
Recommendation	
Consultation	

Business Architecture

Current-State & Target-State BPM

CO Supplier		Data Processing	
CO Data Service		Registration Data Updates	
CO Metering Service		Network Charges	
CO Market Segment		ISD Notification	
Connection		Forecasting	
Disconnection		Domestic Opt-out	
CO Energisation Status		CO Meter	
Data Collection / Retrieval		Provision of Reporting	

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What is Integration

- "Enabling different applications and data structures to work together, regardless of whether they are internal or external"
- "Making independently designed systems work well together"

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)

Consistency/Synchronisation

2. Multistep Processing

Independent applications collaborate in sequence to automate a business process.

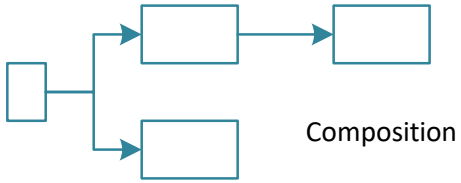
- Model Business Processes
- Chains of Business Capabilities
- Scalable Process Execution
- Stateful (has a business context)

Multistep

3. Process Composition

A single consumable service coordinates between multiple hidden application services.

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



Composition

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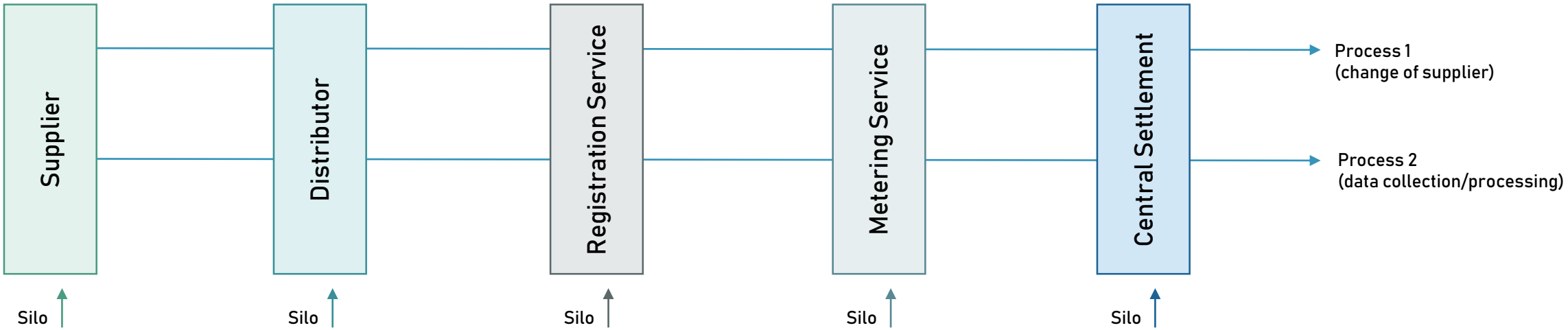
Business Processes ignore Organisational Silo's

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.



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Eight Technology Patterns used in Integration

MFT (Managed File Transfer)	Batch, ETL
EDI (Electronic Data Interchange)	Proprietary formats & standards, batch, ETL
CDC (Change Data Capture)	Data & database replication
MDM (Master Data Management)	Semantic accuracy, publish/subscribe, data replication
MOM (Message Oriented Middleware)	Publish/subscribe, brokers (JMS, AMQP, web sockets, DDS)
ESB (Enterprise Service Bus)	Publish/subscribe, messages, events, internal, real-time
API (Application Programming Interface)	Request/response, webhooks, de-centralisation, real-time
EDA (Event Driven Architecture)	Event grids & event hubs, brokers, real-time

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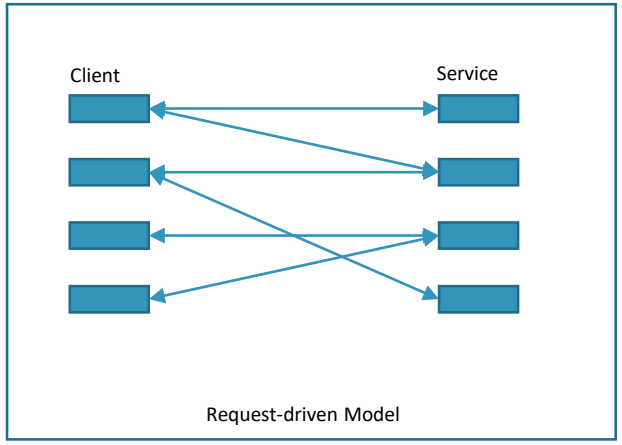
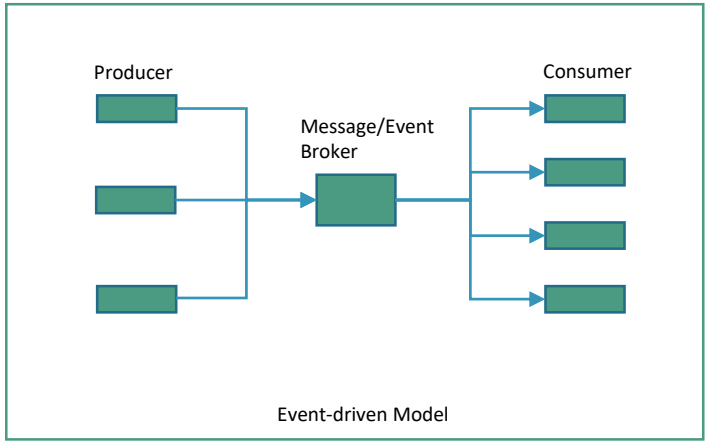
Technology	Mode	Synchronisation	Features	Volume
MFT/EDI	Batch	Point-to-point	De-centralised	Low
MOM	Batch	Publish/subscribe	Message broker, defined objectives	Medium
ESB	Real-time	Publish/subscribe	Internal, Message broker	Medium/high
API	Real-time	Request/response	De-centralised	Low/medium
EDA (extends MOM)	Real-time	Event notification (pub/sub & req/resp)	Event processing/hub (message broker)	high





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Found in the ‘Architecture Products’ folder:

MHHS 202 EDA Reference Model.pptx

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AWG 12 Headline Report

Actions Log

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EDA Reference Model completion	Target: 22nd January
Reference Architecture Recommendation Document	Target: February
New Interface Specifications for Suppliers/DNO	Target: February
Update to Data Catalogue	Target: February
BPM*2: investigate exceptions / provide data to network charges	Target: 22nd January
BPM*3: ISD / forecasting / domestic opt-out	Target: 12th February
AWG 14	Target: 23rd February

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