

Public

Approach to TOM evaluation and selection

Accounting for Ofgem's policy
decisions

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Health & Safety

In case of an emergency

An alarm will sound to alert you. The alarm is tested for fifteen seconds every Wednesday at 9.20am

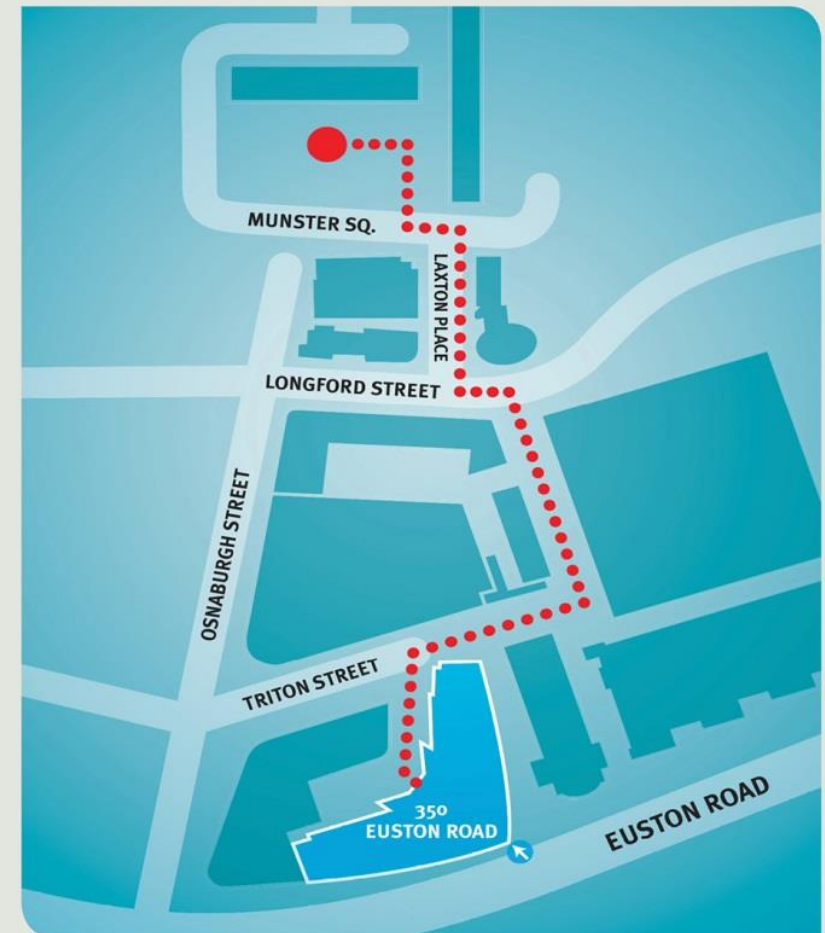
Evacuating 350 Euston Road

- If you discover a fire, operate one of the fire alarms next to the four emergency exits.
- Please do not tackle a fire yourself.
- If you hear the alarm, please leave the building immediately.
- Evacuate by the nearest signposted fire exit and walk to the assembly point.
- Please remain with a member of ELEXON staff and await further instructions from a Fire Warden.
- For visitors unable to use stairs, a Fire Warden will guide you to a refuge point and let the fire brigade know where you are.

When evacuating please remember

- Do not use the lifts.
- Do not re-enter the building until the all clear has been given by the Fire Warden or ground floor security.

Our team on reception is here to help you, if you have any questions, please do ask them.



Initial Evaluation against Evaluation Criteria

The DWG undertook an initial evaluation of all TOMs against the evaluation criteria. It was identified that only certain criteria could be assessed at this stage:

Approach to evaluation

Statements are provided across all TOMs on the strength and weaknesses against the criteria, where it is currently possible the approach to rate the TOMs against the criteria. The following descriptors are used to show the relative merits:

- Strongly supports (✓✓) - assessed to completely deliver against the criterion;
- Supports (✓) - delivers mostly what is required by the criterion; and
- No assessment (?) - cannot be assessed at this stage.

Recap of initial evaluation of all TOMs (1/4)

Criterion	Considerations	Evaluation Criteria	All TOMs	Comment
Coverage	<p>The TOM covers all required end to end processes.</p> <p>Are new Market Roles required or are current roles no longer needed?</p> <p>How are consumers remaining on traditional metering or whose HH data is not available settled?</p> <p>Settlement arrangements for export consumption</p> <p>How are Unmetered Supplies incorporated ?</p> <p>The TOM covers interaction with Customer Billing.</p>	Meets requirement in the Key Roles and Responsibilities document	✓✓	Covers all processes set out in the document however the TOMs are currently silent on data transfer and communication - this will be covered in Phase 2.
		New or adapted Role types	✓✓	Covers all new (eg. Load Shaping) and adapted services required.
		Meter types	✓✓	Covers all settlement metering (as per target/end-state assumptions) and also unmetered supplies. TOMs assume SMETS 1 meters will either be replaced with SMETS 2 meters or adopted under the DCC. Behind-the-meter metering is being considered flexibility.
		export coverage	✓	Covers settlement of active export, where such export is registered for settlement. Export settlement is a BEIS policy decision.
		UMS coverage	✓✓	Features a defined Unmetered Supplies Service to facilitate the half-hourly settlement of all unmetered supplies.
		customer billing interaction	✓	Customer billing data is provided by Meter Reading Service (non-smart), Processing Service (Advanced), Settlement Period Unmetered Supplies Service (UMS) and directly from the meter (Smart meters)
		Potential participants to fulfil role	✓	Registration, Metering and Advanced Retrieval/Processing services are largely unchanged and can therefore be provided by existing participants and well as new.
		Registration arrangements	✓✓	Largely unchanged from current arrangements though new registration data and new interfaces may be required.

















Recap of initial evaluation of all TOMs (2/4)

Criterion	Considerations	Evaluation Criteria	All TOMs	Comment
Cost Reflectivity	Cost-reflectivity of option How well option facilitates flexibility , e.g. DSR	quality of data to settlement	✓✓	Maximises the use of settlement period level data. Where SP-level data is not available from the meter, Register Reads are converted to SP-level data using actual SP-level data rather than profiles.
		customers and meter types	✓✓	Different types of customers settled accurately using SP-level data, subject to data privacy option.
		Network charges	✓✓	Settlement period level data will be available from the processing services for network charging purposes, subject to data privacy option.
Timing	Overall length of settlement and dispute process Overall length of settlement and dispute process Ensuring arrangements remain robust, accurate and fair	Does the model allow for faster Settlement against the baseline or other TOMs? Timing of first run for financial settlement.	✓	Depends on percentage of meter reads required. TOMs would allow for faster collection of data, enabled by retrieval through the DCC.
		Timing of final reconciliation run	-	
Design Simplicity	Complexity of design and scope for simplification Level of automation Robustness and ease of upgrading	Statement on simplicity of design	✓	Improvement on status quo.
		Impact of supporting smart and traditional solutions in parallel	✓✓	Supports both traditional and smart Meters in parallel
		Robustness and ease of upgrading	-	

Recap of initial evaluation of all TOMs (3/4)

Criterion	Considerations	Evaluation Criteria	All TOMs	Comment
Design Flexibility	Whether it can easily adapt to future changes in market Whether it can handle bulk CoS/change of agent events Supplier Of Last Resort Number of data hand-offs	How adaptable the TOM is and why?	—	
		How will it handle bulk CoS events/change of agent ensuring correct allocation?	✓	Removes reliance on historic data (currently used for profiling).
		Supplier Of Last Resort	✓	Same as above
		Number of data hand-offs	—	
Consequential Impacts	System Security Distributional impacts Competition/centralisation Impact on other parts of regulatory framework	Will the framework need changing	⊘	These questions will need further consideration later in the design process as common to all TOMs
		Are there any Security considerations?	⊘	
		Which customers are impacted and what mitigations are required?	⊘	
		How it affects competition, and why	⊘	
		Is it dependent on CoS, DSR, or DUoS changes?	⊘	
		List of Proposed changes to Framework	⊘	
		Number of Functions & volumes removed or adapted	⊘	

Recap of initial evaluation of all TOMs (4/4)

Criterion	Considerations	Evaluation Criteria	All TOMs	Comment
Data Privacy	Alignment with Data Privacy Framework Options Assessment of TOM against data privacy evaluation criteria.	How this affect competition in supply of electricity?		Metering, Meter Reading and Settlement Period Unmetered Supplies Service are competitive. Registration, Load Shaping and Volume Allocation are centralised.
		Does the TOM preclude any of the policy options?	 	Does not preclude any data privacy options defined at present
		Feasibility of the TOM against each Option	 	Can facilitate options where register reads are required and can process half hourly data whether anonymised or pseudonomised
		How the TOM would work in practice with each option?		More detail required on anonymisations and pseudonomisation options to make this evaluation
		Benefits and costs against the data privacy options		
		Implications for accuracy relating to each option		Options that only allow for register read data would be less accurate. More detail is required.
		Whether any benefits are not realised or can be mitigated		
Solution costs	Potential costs of solution	A relative assessment of the likely costs of TOM for all stakeholders (not including implementation costs)		Awaiting greater clarity
Ease of Implementation	Robustness of deliver plan Transition approach The settlement of residual traditional meters	Summary plan with appropriate allocation of roles & responsibilities		Depends on transitional approach and centralisation choices.
		A practical transition approach		To be discussed in Phase 2
Impact on small suppliers/new entrants	Impacts of any approach on small suppliers/new entrants	Identifying specific issues for small suppliers/new entrants stemming from an assessment of other criteria	 	Settlements process will be simpler. Faster and more accurate settlement should mean lower credit cover costs.
Supports New Technologies and Innovation	How the design supports and does not impede new technologies and innovation	Identify how access to different levels of meter and aggregation could support new technologies or other innovation such as DSR, Peer-to-Peer and Smart Grids	 	

Limitations due to uncertainty on Ofgem policy decisions

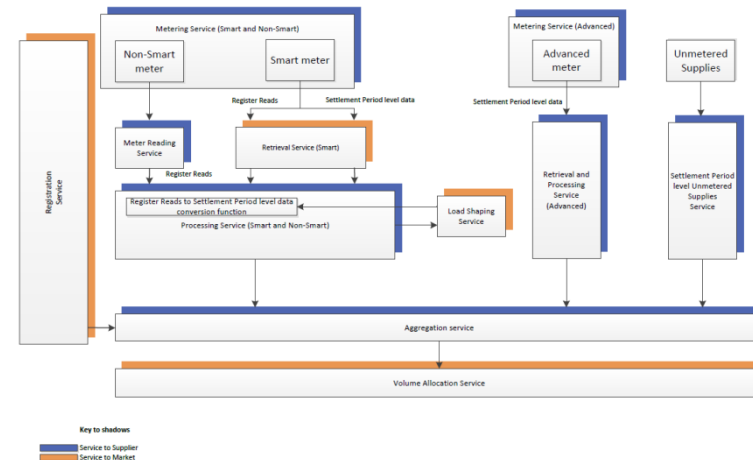
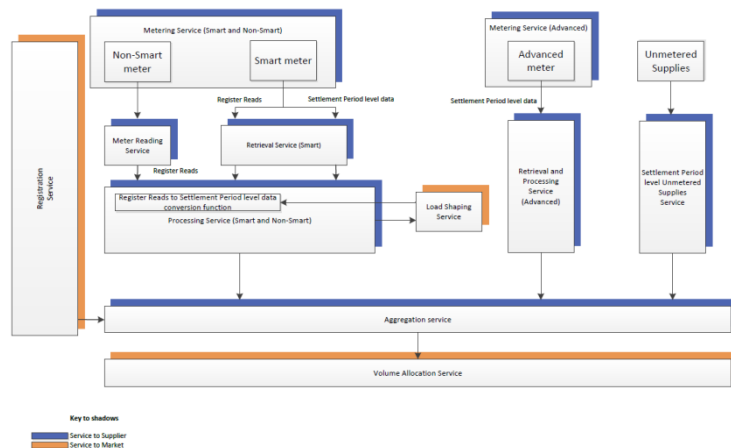
The evaluation criteria aim to:

- facilitate the identification of options for settling all consumers against their actual HH meter data;
- allow for both qualitative and/ or quantitative analysis of each TOM option;
- enable a comparative assessment of options;
- enable the DWG to shortlist the options which are best for consumers;
- Enable removal of some TOM options in the first instance/before too much work has been invested; and
- Provide Ofgem with the DWG's assessment against the evaluation criteria for each TOM option.

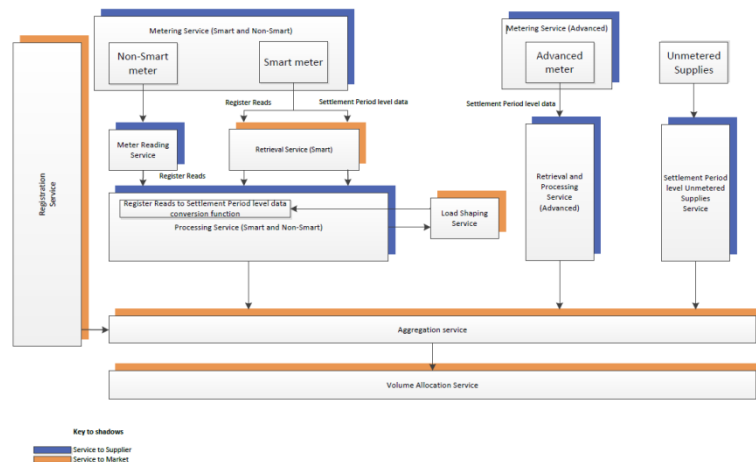
The highlighted points could not be completed in Stage 1 due to the dependency of the TOMs on Ofgem's policy decisions on centralisation of agent functions and data access.

How could the evaluation be refined in Stage 2?

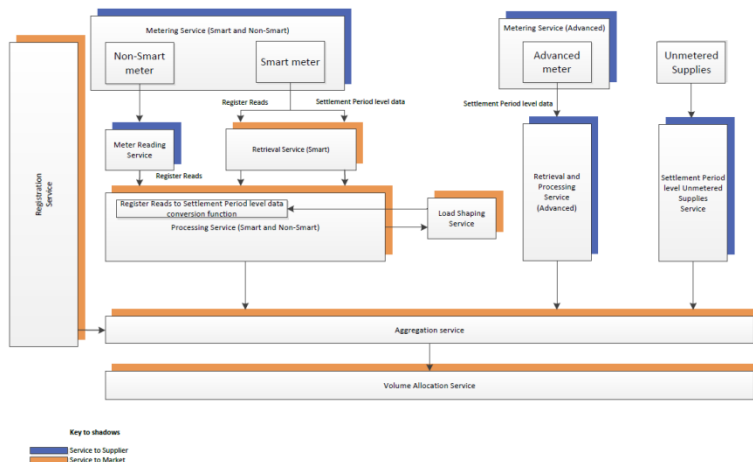
Example: Variants of **TOM D** depending on centralisation:



Retrieval, Processing and Aggregation competitive



Retrieval centralised, Processing and Aggregation competitive



Retrieval and Aggregation centralised

Entire Smart Market Segment centralised

Discussion for DWG11 meeting

- Currently too many possibilities for how final TOMs might look:
 - Different ways of implementing pseudonymisation or anonymisation
 - Don't know how supplier might interact with TOM services (supplier hub)
 - Limited number of permutations with centralised services
- Can we make assumptions and perform evaluation conditional on which services are centralised?
- Which evaluation criteria are unhelpful when comparing TOM options? Which criteria cannot be addressed due to lack of clarity on technical architecture, transitional approach etc.?
- Are there any other aspects that can be evaluated to further compare the merits of each TOM?



Thank you

Discussion

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