

Project Nexus UNC Workstream

Scoping Meeting for AMR Topic
Workgroups

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Purpose of this Meeting

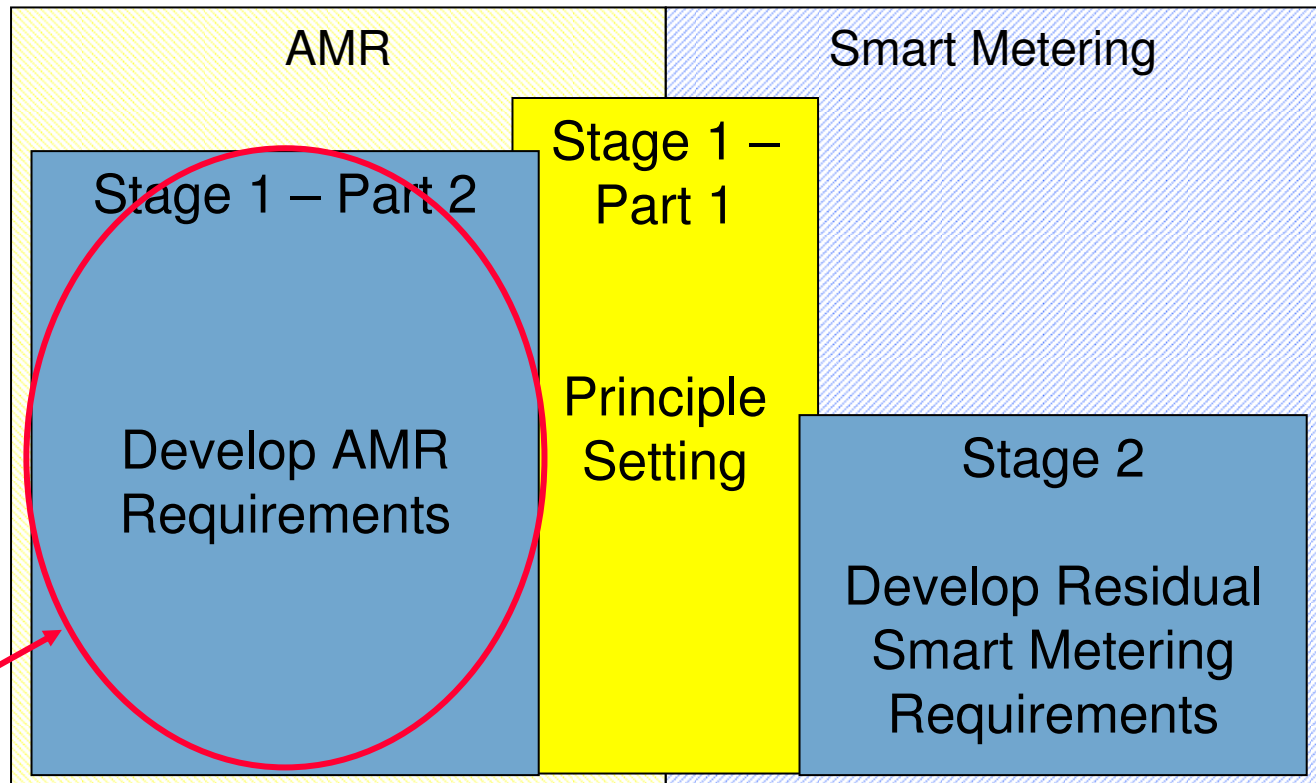
- To agree the list of AMR Topics to be covered in the Project Nexus Detailed Requirements Workshops
- To agree an initial assessment of the number of meetings required for these workshops
- To agree the dependencies between Topics and to any other meetings, e.g. Principle Setting Workshops
- Agree venues and timing of meetings

Background

- PNAG discussed various options for a way forward for Requirements Development
- PNAG supported the following “Hybrid Approach”:
 - Establish Principles (which do not fetter the discretion of the anticipated Smart Metering Programme)
 - Establish requirements for AMR arena
 - Complete requirements for Smart Metering when more information received from DECC on Market Model
- Scoping Meetings to be established before Workshops commence
 - 1 or 2 for Principle Setting – took place 23/11/09
 - 1 or 2 for AMR – today’s meeting starts this exercise
- DECC has mandated SMART or advanced metering (by exception) for all non-Domestics by 2020

Project Nexus Scope

Hybrid approach to Requirements Development



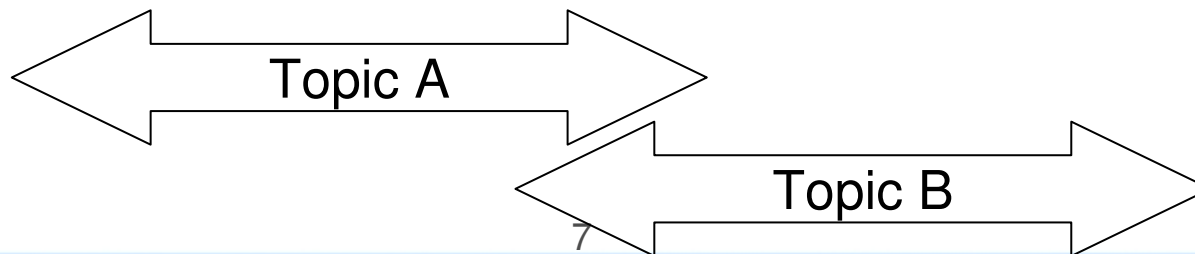
Today's workshop sets scope and timetable for this phase

Proposed AMR Topic Workgroups

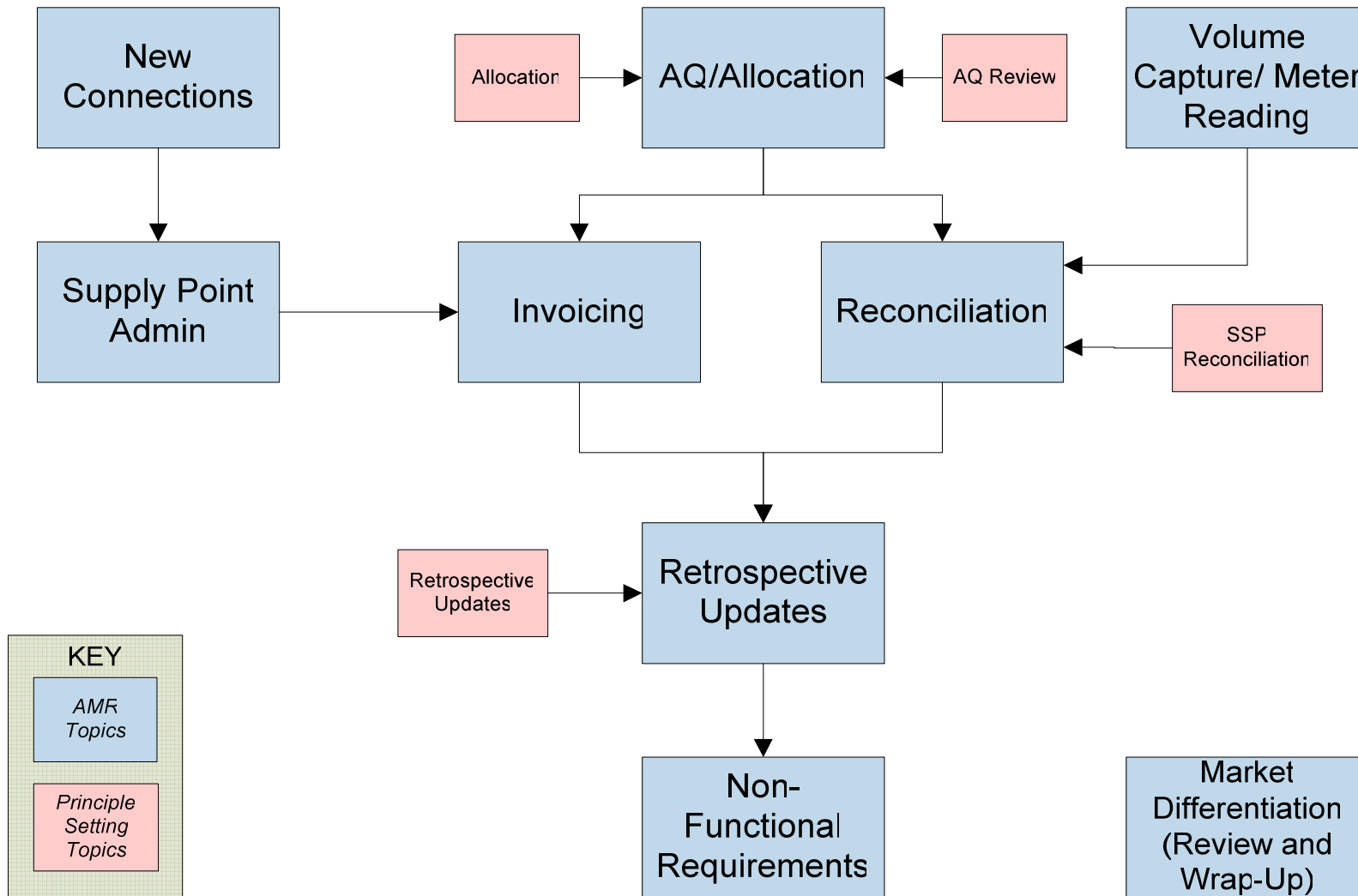
- Proposed List of Workgroups, based on grouping responses in the Initial Requirements Register (IRR)
 1. New Connections
 2. Volume Capture/Meter Reading
 3. Annual Quantity/Allocation
 4. SPA (including Supply Point Switching)
 5. Invoicing
 6. Reconciliation (including AMR drift)
 7. Retrospective Updates
 8. Non-Functional Requirements
 9. Market Differentiation (Sweep Up)

Note on AMR Topic Dependencies

- Following slide shows xoserve's view of Topic inter-dependencies
- Also shows view of dependencies on High Level Business Rules to be agreed in the "Principle-Setting Workgroup"
 - Shown in pink as predecessors where appropriate
- Dependency suggests that outcome of previous topic must be known before the next topic can agree an outcome
 - Clarity of outcome required, but not necessarily final report
 - Next topic could start to review As-Is position and options, but could not select a preferred outcome
 - E.g.



Suggested AMR Topic Dependencies



Suggested AMR Topic Workgroup Governance

- Each Workgroup managed and chaired by Joint Office
- All meetings follow Chairman's Guidelines, e.g. material available at least 5 days prior to meeting
- Project Nexus UNC Workstream establishes ToR for each Workgroup
- Monthly report to be sent to Workstream charting progress
- Any new Topics to be approved by Workstream and allocated to a Workgroup
- Where consensus cannot be reached escalation will be
 1. Workstream
 2. Modification Panel
- If a decision to change is not agreed – the status quo remains

Suggested AMR Topic Workplan

- **As-Is Process Review**
 - xoserve to produce 'As Is' Process Model
 - Baseline current process and obtain consensus of understanding
 - Stakeholders will present their consultation responses and identify issues
 - Workgroup will agree whether any further work is required
- **To Be Options**
 - Opportunity to develop consultation responses into a tangible proposition
 - Other stakeholders to present their issues & Improvement Opportunities
 - Any new topics to be referred from PN UNC Workstream
 - Consider impacts of in-flight mods
 - Consider determinations made to closed modifications (Joint Office)

Suggested AMR Topic Workplan

- Preferred Outcome
 - Group to reach consensus on preferred option to be taken forward
 - Costs and Benefits should be the main driver to take issues forward
 - Consider impacts of in-flight Modifications
 - Consider determinations made to closed Modifications (Joint Office)
 - The group will produce updated To Be Process models
- Final Approval
 - Document previous discussions
 - Write Business Rules to facilitate impact assessment and inform dependent topics
 - Write Final Report and any necessary Modification proposals

Proposed AMR Topic Workgroup Outputs

- Re-drawn Process Models where appropriate
- Set of detailed business rules sufficient to aid design
- UNC Modifications where appropriate
- Initial Requirements Register updated with outcomes - ensure that all consultation responses are discussed and ensure traceability
- Report for every Workgroup including a justification for the outcome
- Detailed requirements logged by xoserve for future use in defining business processes and solution design

Suggested Outputs from today's Meeting

- Agreed list of AMR Topics to be covered in the Project Nexus Detailed Requirements Workshops
- Agreed initial assessment of the number of meetings required for these workshops
- Agreed dependencies between Topics and to any other meetings, e.g. Principle Setting Workshops
- Agreed venues and timing of meetings

APPENDIX 1 – Overview of Proposed Topics

AMR Detailed Requirements Topic	New Connections
Matters to be Resolved	<p>Define detailed requirements for new connections of gas supply meter points to be fitted with advanced meters.</p> <p>Consultation responses were common on the theme to improve the connection and registration process considering data quality issues and data flows to support a more robust procedure, for example: “Produce the MPRN as late in the process as possible” (3.1), “New connections process to build solutions that support a newer, robust solution” (3.5).</p> <p>If necessary, define any transitional requirements to apply until the industry reaches critical mass of AMR.</p>
Review Start Point	End Consumer contacts a Supplier, or other party, for the connection of a gas supply to a premise.
Dependencies	None identified
Out of Scope	The workgroup will not define detailed business rules, file flows and validation rules for Supply Points that would potentially have a Smart meter fitted.

APPENDIX 1 – Overview of Proposed Topics

AMR Detailed Requirements Topic	Volume Capture/Meter Reading
Matters to be Resolved	<p>Consider the consultation responses received, and for each one determine whether there are sufficient benefits to support a change to xoserve’s services, e.g.</p> <p><i>Option of a shipper or third party converting meter reads to consumption data and volumes and/or energy passed to xoserve instead of meter reads</i></p> <p><i>Option of a separate data aggregator to collate meter reading data, to avoid xoserve having to receive all this data</i></p> <p><i>Removal of daily limit on submission of meter reads</i></p> <p>If necessary, define any transitional requirements to apply until the industry reaches critical mass of AMR.</p>
Review Start Point	Collection of a meter reading, either electronically or manually.
Dependencies	None
Out of Scope	Submission of reads/volumes for Smart Meters

APPENDIX 1 – Overview of Proposed Topics

AMR Detailed Requirements Topic	AQ and Allocation
Matters to be Resolved	<p>Define detailed requirements for determination of AQ and for allocation of energy for AMR meters, building on the high-level principles previously defined.</p> <p>Consultation responses were common on the theme to develop a regular AQ review process, for example: <i>“The introduction of a rolling AQ is a core service that is required to allow the industry to operate ensuring that energy is more accurately allocated among industry players”, “rolling AQ should help to ensure the accurate allocation of energy and costs”, “Increased energy consumption data should help to identify step changes in energy consumption. It would therefore appear beneficial were this information to feed directly into an updated AQ rather than waiting until the annual review in October”.</i></p> <p>If necessary, define any transitional requirements to apply until the industry reaches critical mass of AMR.</p>
Review Start Point	Confirmation of an AMR supply point by a Shipper.
Dependencies	Principle Setting Topics – Allocation, Annual Quantity
Out of Scope	Reconciliation (subject to a separate Workgroup)

APPENDIX 1 – Overview of Proposed Topics

AMR Detailed Requirements Topic	SPA (including Supply Point Switching)
Matters to be Resolved	<p>Define detailed requirements for improving the SPA process, including Supplier Switching, for gas supply points fitted with an advanced meter, considering timescales and data provided as part of the process.</p> <p>Consultation responses were common on the theme to improve the transfer process and timescales and also other aspects of SPA, for example: cessation of transportation charges on the actual meter removal date; central emergency contacts database.</p> <p>If necessary, define any transitional requirements to apply until the industry reaches critical mass of AMR.</p>
Review Start Point	End Consumer contacts a Supplier for the supply of gas to a premise.
Dependencies	New Connections AMR Topic workgroup.
Out of Scope	SPA activities for Supply Points fitted or potentially fitted with Smart meters.

APPENDIX 1 – Overview of Proposed Topics

AMR Detailed Requirements Topic	Invoicing
Matters to be Resolved	<p>Define detailed requirements for invoicing of AMR meters, as per the responses in the Initial Requirements Register (in particular section 8 of the IRR).</p> <p>Consultation suggestions included a review of invoice validation and increased visibility of site level data.</p> <p>If necessary, define any transitional requirements to apply until the industry reaches critical mass of AMR.</p>
Review Start Point	Confirmation of an AMR supply point by a Shipper.
Dependencies	AMR Topics – AQ/Allocation and Supply Point Administration
Out of Scope	Reconciliation (subject to a separate Workgroup)

APPENDIX 1 – Overview of Proposed Topics

AMR Detailed Requirements Topic	Reconciliation
Matters to be Resolved	<p>Define detailed requirements for reconciliation of consumption on AMR meters, including treatment of drift, building on the high-level principles previously defined.</p> <p>For example, review the validation processes which currently operate, including Filter Failures (USRVs).</p> <p>If necessary, define any transitional requirements to apply until the industry reaches critical mass of AMR.</p>
Review Start Point	Receipt of an individual “consumption” for a site
Dependencies	<p>Principle Setting Topic – Smaller Supply Point Reconciliation</p> <p>AMR Topics – AQ/Allocation and Volume Capture/Meter Reading</p>
Out of Scope	Reconciliation of consumption on Smart Meters

APPENDIX 1 – Overview of Proposed Topics

AMR Detailed Requirements Topic	Retrospective Updates
Matters to be Resolved	<p>Define detailed requirements for retrospective updates to data and any consequent financial corrections, for Supply Points fitted with AMR, building on the high-level principles previously defined.</p> <p>Consider both standing data and consumption data and responsibility, security and control of the updates. For example, consider the impact of incorrect/crossed reads on previous allocation of energy, on AQ and on historic billing.</p> <p>If necessary, define any transitional requirements to apply until the industry reaches critical mass of AMR.</p>
Review Start Point	Identification of an error in standing data or consumption data (read or volume).
Dependencies	Principle Setting Topic – Retrospective Updates AMR Topics – Invoicing, Reconciliation
Out of Scope	Updates to data where Smart meters are fitted.