

# MHHS SERVICES: SUMMARY GUIDE

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## The Advanced Retrieval and Processing Service (ARP)

The Advanced Retrieval and Processing Service (ARP) is responsible for obtaining raw meter readings (Settlement Period and Register reads) and validating and estimating (where needed) from Advanced Meters. This service will also, on an optional basis, be responsible for complying with the shared metering arrangements, which allocates Metering System data between one or more BRPs (Suppliers).

### How will the ARP obtain the Settlement Period level data?

Following installation, configuration and commissioning of a Metering System the ARP will undertake a test to prove the data can be accurately collected in conjunction with the Advanced Metering Service (MSA). The ARP will then retrieve the Settlement Period level data (and other data as required e.g. reactive power) direct from Meter using approved protocols. The data collected will need to be validated. The validation will include comparisons to Register Read data that is also retrieved from the Meter.

### How does the ARP process the data?

The ARP will undertake a defined process set out under the Balancing and Settlement Code (BSC) to validate the Settlement Period level data collected from the Advanced Meters. Data failing the validation process will require further investigation. Where data is missing or invalid the ARP will estimate the data using a range of estimation methods set out in the BSC. The validated and estimated data will then be provided to the Aggregation Service (AGS). The ARP will then provide the data to other parties as required.

The ARP may initiate a Metering System investigation with the BRP (Supplier) and the MSA where anomalies are identified with the data or collection processes.

### What are the estimation processes?

Where data has been deemed to be invalid and no SP level data is available the ARP will need to estimate SP level data. The ARP will use a set of defined 'Estimation Methods'. The estimation Method to be used will depend on the available data at the time of estimation.

### Who does the ARP notify validated or estimated meter data?

#### What happens to valid Settlement Period Level data?

Valid Settlement Period level data will be notified on to the Aggregation Service (AGS). The data notified will be SP level data at MPAN level with appropriate identifiers to enable the AGS to further process the data.

#### What happens to estimated Settlement Period Level data?

Following estimation the ARP will notify the estimated SP level data to the AGS.

### What are the timescales?

The service will be available 365 days per year. Data retrieval for Advanced Metering Systems will be scheduled such that the ARP can comply with the VAS Settlement timetable.

### Service Summary:

This service will be responsible for:

- Retrieving the Settlement Period level Active Import and Active Export data (and other data as required e.g. reactive power) from Advanced Metering Systems;

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- Receiving and maintaining Meter Technical Details data from the Metering Service for Advanced Metering Systems;
- Validating Settlement Period Level data for Active Import and Active Export (and other data as required) using a common set of agreed validation rules to be implemented electronically where possible;
- Estimating Settlement Period Level data for Active Import and Active Export (and other data as required) where such data fails validation or is missing or unavailable;
- Maintenance of standing data as appropriate;
- Exception reporting for any Metering Systems where data is deemed to be invalid or where access/issues with Metering Systems are identified;
- Providing access to validated Settlement Period Level data to the Aggregation Service; and
- Providing validated Settlement Period Level data to the other parties as appropriate.