

Annex B – Proposed PARMS Serials and Standards

Code	Unique reference, combining the Participant against whom the Serial is measured and a number.
Title	Title of Serial.
Source	Supplier, Supplier Agent or BSC Agent responsible for reporting the PARMS data to ELEXON.
Serial	Statement of what the Serial measures.
Reasons	Reason Codes developed during analysis: A To ensure that metering systems are operating correctly B To ensure the consistency of standing data between participants C To ensure that energy is correctly allocated by the Settlement Process D To ensure that metering data within the Settlement System is accurate E To enable to monitoring of performance against the requirements of the Performance Standards Any additional statement of the rationale is also added here.
Assurance Required	Areas of risk (and assurance required) provided by RAG: 01 Disruption from any changes in the Trading Arrangements (HIGH) 03 Inadequacies in the Code and Code Subsidiary Documents (LOW) 04a Non-compliance due to material impact from inaccurate or incomplete metering data (including meter standing data and weak controls in BSC Agents, Parties and Party Agents). (MEDIUM) 04b Material impact from inaccurate or incomplete settlement data (see risk listing for definition of data types) (HIGH) 04c Poor Standing Data (excluding meter standing data. Covers MDD; SMRS; CRA) (MEDIUM) 04d Non-compliance due to any other reason (i.e. not covered by Risks 4a/b/c) (MEDIUM)
Measure on	Identifies whether the measurement is being made on the performance of the Supplier, Supplier Agent or CVA MOA.
Standard	Level of minimum performance the Supplier, Supplier Agent or MOA should attain.
Corrective Technique	Indicates the Corrective Technique applied if the Standard is not met. Options are: Supplier Charges (SC) Peer Comparison (PC) Error and Failure Resolution (E&FR) Removal of Accreditation (RoA)
Escalation	Whether the Supplier, Supplier Agent or MOA should be subject to escalation if failure to meet the Standard is ongoing.
Start	Start event of process to be measured.
End	End event of process to be measured.
Notes	Rationale behind the Serial, an indication of the data required to be submitted by the source, and any additional information.

Modification P99 Requirements Specification

Code	Title	Source
TA01	GSP Group Correction Factor	SVAA
Serial		
Measure of Group Correction Factor		
Reasons		
C - To ensure that energy is correctly allocated by the Settlement Process		
GCF away from unity indicates inaccurate Settlement Data being processed.		
Assurance Required		
04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on		
Trading Arrangements		
	Have a Standard?	
	No - value should be close to unity	
	Have corrective Technique(s) for those outside Standard?	
	Yes - E&FR	
	Have escalation for being continuously outside the Standard?	
	No	
Start	GCF calculated	
End	GCF query raised where value exceeds allowed tolerances	
Notes		
New Serial		
On Trading Arrangements, reported at national level.		
Not currently a formal Serial, current thresholds for query are GCFs outside factors 1.1 and 0.9. A good high level measurement of general market performance.		
Information Required:		
Number of GCF queries raised during report period		

Modification P99 Requirements Specification

Code TA02	Title Annual Demand Ratio	Source SVAA
Serial Measure of Annual Demand Ratio		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on Trading Arrangements		
	Have a Standard? No - but value should be close to unity	
	Have corrective Technique(s) for those outside Standard? Yes - E&FR	
	Have escalation for being continuously outside the Standard? No	
Start	ADR calculated	
End	N/A	
Notes New Serial On Trading Arrangements, reported at national level. Not currently a formal Serial. A good high level measurement of general market performance. Information Required: Value for Annual Demand Ratio		

Modification P99 Requirements Specification

Code CM01	Title CVA MOA Proving Tests	Source CDCA
Serial 100% of Proving Tests carried out successfully by 8WD prior to Effective From Date		
Reasons D To ensure that metering data within the Settlement System is accurate -		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on CVA MOA		
	Have a Standard? Yes – 100%	
	Have corrective Technique(s) for those outside Standard? Yes - E&FR	
	Have escalation for being continuously outside the Standard? Yes	
Start	Effective From Date of Meter Technical Details	
End	Receipt of confirmation of Proving Test	
Notes New Serial If it is a new meter, CRA should block go-live if Proving Test is not carried out. However, still need Serial as Proving Test also required on meter changes. Information Required: <ul style="list-style-type: none"> • MSID Count • Number of working days Proving Test is outstanding after Effective From date at time of report • Count of faults outstanding after Effective From date at time of report 		

Modification P99 Requirements Specification

Code CM02	Title CVA MOA Fault Resolution	Source CDCA
Serial Average working days taken to rectify faults shall not exceed 15		
Reasons A - To ensure that metering systems are operating correctly		
Assurance Required 04b - Material impact from inaccurate or incomplete settlement data – HIGH		
Measure on CVA MOA		
	Have a Standard? Yes - 15 Days	
	Have corrective Technique(s) for those outside Standard? Yes - E&FR, RoA	
	Have escalation for being continuously outside the Standard? Yes	
Start	CDCA request investigation and/or MOA reports fault to CDCA	
End	CDCA informed that fault has been resolved, or that it is not a meter fault (e.g. communications problem)	
Notes New Serial Information Required: <ul style="list-style-type: none"> • MSID Count • Count of faults identified • Number of Working Days fault outstanding at time of report (above 15WD) • Number of Working Days taken to resolve fault 		

Modification P99 Requirements Specification

Code	Title	Source
SH01	HH Aggregation Exceptions	HHDA
Serial Volume of exceptions reported on D0235 report by exception type		
Reasons B - To ensure the consistency of standing data between participants. C - To ensure that energy is correctly allocated by the Settlement Process. D - To ensure that metering data within the Settlement System is accurate.		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM 04b - Material impact from inaccurate or incomplete settlement data - HIGH		
Measure on Supplier and Supplier Hub		
	Have a Standard? Yes	
	Have corrective Technique(s) for those outside Standard? Yes - PC, E&FR	
	Have escalation for being continuously outside the Standard? Yes	
Start	D0235 received by Supplier from NHHDA	
End	D0235 analysed and acted upon by Supplier	
Notes New Serial High level Serial to check Supplier are addressing levels of exceptions created within HH hubs. Would expect fewer exceptions at each reconciliation run as are resolved. Investigating levels of exceptions, but may require reviewing 6 months after Serial implemented. Information Required: Details of D0235 reports received during reporting period		

Modification P99 Requirements Specification

Code	Title	Source
SH02	HH Defaults	HHDA
<p>Serial Percentage of MSIDs being settled on defaults</p>		
<p>Reasons C - To ensure that energy is correctly allocated by the Settlement Process</p>		
<p>Default values cause Settlements to be inaccurate , and are therefore a cost to NHH Suppliers through Group Correction Factor</p>		
<p>Assurance Required 04a - Material impact from inaccurate or incomplete metering data – MEDIUM</p>		
<p>Measure on Supplier and Supplier Hub</p>		
	<p>Have a Standard? Yes - 0</p>	
	<p>Have corrective Technique(s) for those outside Standard? Yes - SC and E&FR</p>	
	<p>Have escalation for being continuously outside the Standard? Yes</p>	
Start	Aggregation run completed	
End	Default value NOT used	
<p>Notes New Serial</p> <p>Default applied if no data is received (reported to DC and Supplier), or if data is received from the 'wrong' DC.</p> <p>Information Required: Details of D0235 reports received during reporting period</p>		

Code	Title	Source
SH03	Suppliers handling of NHHDA exceptions	NHHDA
Serial		
Volume of exceptions reported on D0095 for all Reconciliation Runs		
Reasons		
B - To ensure the consistency of standing data between participants.		
C - To ensure that energy is correctly allocated by the Settlement Process.		
D - To ensure that metering data within the Settlement System is accurate.		
Exceptions indicate errors in, and discrepancies between systems, and poor management of hub. BSC Audits have picked up weak controls on management of exceptions.		
Assurance Required		
04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
04b - Material impact from inaccurate or incomplete settlement data - HIGH		
Measure on		
Supplier and Supplier Hub		
	Have a Standard? Yes - but monitor and apply after 6 months	
	Have corrective Technique(s) for those outside Standard? Yes - E&FR, SCs but at zero until after review.	
	Have escalation for being continuously outside the Standard? Yes	
Start	D0095 received by Supplier from NHHDA	
End	D0095 analysed and acted upon by Supplier	
Notes		
New Serial		
High level serial to check Suppliers are addressing levels of exceptions created within their Supplier Hubs. Assurance for accurate/complete metering, standing and settlement data.		
Raised in PMR 4961 - Suggests financial penalties are imposed when Suppliers don't meet standards for exceptions.		
Appropriate Corrective Technique is SCs, but have zero framework for now.		
Information Required: Count of exceptions per type, DC, DA, Supplier and PDSO		

Modification P99 Requirements Specification

Code	Title	Source
SH04	Metering Equipment Technical Details to HHDC	HHMO
<p>Serial Meter Technical details to be sent to HHDC on request – 95% within 5 working days and 99% within 15 working days of receipt of request.</p>		
<p>Reasons C - To ensure that energy is correctly allocated by the Settlement Process D - To ensure that metering data within the Settlement System is accurate</p> <p>Provides assurance on Change of Agent process.</p>		
<p>Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM 04b - Material impact from inaccurate or incomplete settlement data - HIGH</p>		
<p>Measure on Supplier Hub</p>		
	<p>Have a Standard? Yes</p>	
	<p>Have corrective Technique(s) for those outside Standard? Yes - RoA, PC</p>	
	<p>Have escalation for being continuously outside the Standard? Yes</p>	
Start	HHDC appointment Effective From Date	
End	D0268 to HHDC	
<p>Notes New Serial</p> <p>Measures performance of Supplier Hub: includes consideration of Supplier sending D148 in timely manner.</p> <p>D139 is Energisation Status. If this flow is sent, the D0268 does not need to be.</p> <p>Information Required:</p> <ul style="list-style-type: none"> • Count of METD requests in period • Count of METS requests in period pending • Percentage of METD issued within 5WD • Percentage of METD issued within 15WD 		

Code SP01	Title Delivery of routine performance reports	Source ELEXON
Serial Performance Reports to be provided within the specified timescales (20 days)		
Reasons E - To enable the monitoring of performance against the requirements of the Performance Standards. Performance Assurance is reliant on the provision of timely and accurate data to support monitoring and subsequent investigations. Suppliers failing to deliver their performance reports are undermining the process.		
Assurance Required All risks.		
Measure on Supplier		
	Have a Standard? Yes - 100% in timescales	
	Have Corrective Technique(s) for those outside Standard? Yes - SC, PC, R&M (TA, E&FR)	
	Have escalation for being continuously outside the Standard? Yes	
Start	Report expected	
End	Number of working days late	
Notes Retained Serial BSC Section S annex 1 point 2.7 states that reports should be sent not later than 20 Business Days after the end of each month. Note that data provision remains the obligation of the Supplier, even if it is the Agent who discharges that obligation. Corrective Techniques applied for each business day that the report is late. Information Required: <ul style="list-style-type: none"> • Number of Performance Reports late • Average number of working days late 		

Code SP02	Title Delivery of routine performance logs	Source ELEXON
Serial Performance Logs to be provided within the specified timescales (20 days)		
Reasons E - To enable the monitoring of performance against the requirements of the Performance Standards. Performance Assurance is reliant on the provision of timely and accurate data to support monitoring and subsequent investigations. Suppliers failing to deliver their performance reports are undermining the process.		
Assurance Required All risks.		
Measure on Supplier		
	Have a Standard? Yes - 100% in timescales	
	Have corrective Technique(s) for those outside Standard? Yes - SC, PC, R&M (TA, E&FR)	
	Have escalation for being continuously outside the Standard? Yes	
Start	Log expected	
End	Number of working days late	
Notes Retained Serial Logs are the drill down data from performance reports. BSC Section S annex 1 point 2.7 states that reports should be sent not later than 20 Business Days after the end of each month. Note that data provision remains the obligation of the Supplier, even if it is the Agent who discharges that obligation. Corrective Techniques applied for each business day that the report is late. Information Required: <ul style="list-style-type: none"> • Number of Performance Logs late • Average number of working days late 		

Code	Title	Source						
SP03	Invalid Supplier Hubs	ELEXON						
<p>Serial SVAA reports instances of data being received from Data Aggregators when unexpected, or no data received from Data Aggregators when expected.</p>								
<p>Reasons B - To ensure the consistency of standing data between participants D - To ensure that metering data within the Settlement System is accurate</p> <p>Invalid Supplier Hub is a use of an unaccredited hub to provide data to Settlements. Therefore, data is unlikely to be validated Actuals.</p>								
<p>Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM 04c - Poor Standing Data - MEDIUM</p>								
<p>Measure on Supplier</p> <table border="1" data-bbox="280 831 1452 1055"> <tr> <td data-bbox="280 831 288 904"></td> <td data-bbox="288 831 1452 904"> <p>Have a Standard? Yes - 0</p> </td> </tr> <tr> <td data-bbox="280 904 288 978"></td> <td data-bbox="288 904 1452 978"> <p>Have corrective Technique(s) for those outside Standard? SC, EFR, PC, R&M</p> </td> </tr> <tr> <td data-bbox="280 978 288 1055"></td> <td data-bbox="288 978 1452 1055"> <p>Have escalation for being continuously outside the Standard? Yes</p> </td> </tr> </table>				<p>Have a Standard? Yes - 0</p>		<p>Have corrective Technique(s) for those outside Standard? SC, EFR, PC, R&M</p>		<p>Have escalation for being continuously outside the Standard? Yes</p>
	<p>Have a Standard? Yes - 0</p>							
	<p>Have corrective Technique(s) for those outside Standard? SC, EFR, PC, R&M</p>							
	<p>Have escalation for being continuously outside the Standard? Yes</p>							
Start	N/A							
End	N/A							
<p>Notes New Serial</p> <p>Important Serial as indicates further problems and Supplier's lack of controls. Can also cause defaults to get into Settlements as DC wouldn't be sending to correct DA and/or SMRS-registered DA wouldn't be receiving readings from the DC. Also caused by Supplier stopping/starting operating within a GSPG or with a particular Agent and not informing SVAA. Cost to DA aggregating for meters not contracted for. Cost to other Suppliers through GCF of inaccurate data in Settlements.</p> <p>ELEXON's STINGRAY system records new instances of invalid hubs (not by MPAN). Each new instance raises a new PMR, instances repeating at next run type update the PMR. So could count number of new instances raised in a month, but might be complex and involve querying PMS also. Closure of PMR will be within E&FR scope.</p> <p>STINGRAY will only highlight invalid hubs, will not provide how many MSIDs are registered in that hub. More MSIDs involved will mean more damage, but count of invalid hub is a reflection of level of weak controls. Need to measure extent of problem. Currently data not available from ELEXON's analysis system. However, previous rates of invalid hub creation were high.</p> <p>This Serial will not be able to be monitored until STINGRAY is operational.</p> <p>Information Required Count of events occurring in reporting period</p>								

Modification P99 Requirements Specification

Code SP04	Title Installation of HH meters in 100kW premises	Source Supplier
Serial All 100kW premises shall have installed appropriate HH Meters.		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process D - To ensure that metering data within the Settlement System is accurate Profile data is researched using customers with demand below 100kW and therefore the data is not reliable if larger customer whose demand is likely to be more variable are included. BSC obligates Suppliers to install HH meters for metering systems where the demand is greater than 100kW. The Supplier has 3 months to install the HH meter from the point where they detect demand over 100kW.		
Assurance Required 04a - Non-compliance due to material impact from inaccurate or incomplete metering data - MEDIUM 04b - Material impact from inaccurate or incomplete settlement data - HIGH		
Measure on Supplier		
	Have a Standard? Yes - 100%	
	Have Corrective Technique(s) for those outside Standard? Yes - SC, PC, E&FR	
	Have escalation for being continuously outside the Standard? Yes	
Start	Receipt of 3 rd consecutive D10 indicating MD is 100kW, P28 report from NHHDC following site visit, or identification of 100kW site by Supplier	
End	HH meter installed	

Notes

Retained Serial

Obligations to install HH meters are specified in Section L 2.2.1 (b) of the Code; see also BSCP504 3.4.1.6 and 4.1

Few Suppliers have adequate controls to identify new 100kW sites, and there is currently poor reporting on this Serial. Suppliers often only look at metering systems in Profile Classes 5-8 as those meters already have Maximum Demand recorded. There may also be disputes between Supplier and Customer over who should pay for installation and operation of the HH meter.

BSCP504 3.4.1.6 details NHHDCs' obligations to report to the Panel, via the P0028 flow, on identification of 100kW+ demand.

Monitoring for Erroneous EAC/AAs has shown that there are many potential 100kW+ Metering Systems without HH meters. This information is not consistent with the data currently received from Suppliers for this Serial.

Related issue suggested in final report: the 3 month grace period as detailed in the BSC starts at MPAN level, and if customer changes Supplier, the old Supplier must inform new Supplier that 3 month limit has begun. This aims to ensure all 100kW+ customers have HH meters installed.

Information Required:

- 100kW premise ID
- Aggregated Standard installed days in month for site
- Aggregated not installed days in month for site
- Percentage not installed days in month for site

Modification P99 Requirements Specification

Code	Title	Source						
SP05	Retrospective Appointment of Agents	Supplier						
Serial 100% of Agents to be appointed prior to Supplier Start Date								
Reasons B - To ensure the consistency of standing data between participants C - To ensure that energy is correctly allocated by the Settlement Process D - To ensure that metering data within the Settlement System is accurate								
Assurance Required 04b - Material impact from inaccurate or incomplete Settlement data 04c - Poor Standing Data - MEDIUM								
Measure on Supplier								
<table border="1" style="width: 100%;"> <tr> <td style="width: 15%;"></td> <td> Have a Standard? Yes - 100% </td> </tr> <tr> <td></td> <td> Have corrective Technique(s) for those outside Standard? Yes - SC, E&FR </td> </tr> <tr> <td></td> <td> Have escalation for being continuously outside the Standard? Yes </td> </tr> </table>				Have a Standard? Yes - 100%		Have corrective Technique(s) for those outside Standard? Yes - SC, E&FR		Have escalation for being continuously outside the Standard? Yes
	Have a Standard? Yes - 100%							
	Have corrective Technique(s) for those outside Standard? Yes - SC, E&FR							
	Have escalation for being continuously outside the Standard? Yes							
<table border="1" style="width: 100%;"> <tr> <td style="width: 15%;">Start</td> <td>Supplier Start Date</td> </tr> </table>			Start	Supplier Start Date				
Start	Supplier Start Date							
<table border="1" style="width: 100%;"> <tr> <td style="width: 15%;">End</td> <td>Appointment of Agent- Agent Effective From Date</td> </tr> </table>			End	Appointment of Agent- Agent Effective From Date				
End	Appointment of Agent- Agent Effective From Date							
Notes New Serial Measure of timeliness of Supplier's appointment of Agents. Especially in HH market can cause data to be lost. If estimates are low, then amended at later run types, volume of energy can change dramatically between reconciliation runs. This Serial arose in part from supplementary monitoring. Suppliers often take months to appoint a DC, although this may not be an error, for example if the meter is a new connection. Information Required: Count of Supplier Agents not appointed prior to Supplier Start Date								

Modification P99 Requirements Specification

Code	Title	Source
SP06	D148 from Suppliers	Supplier
Serial		
100% of D148s (Notification of Change to Other Parties) sent to all Agents in Hub on receipt of D11 acceptance, and prior to Supplier and / or Agent Effective From Date.		
Reasons		
B - To ensure the consistency of standing data between participants		
C - To ensure that energy is correctly allocated by the Settlement Process		
D - To ensure that metering data within the Settlement System is accurate		
Delayed sending of D0148 prevents agents from collecting reads and aggregating. Therefore accurate data doesn't reach Settlements		
Assurance Required		
04b - Material impact from inaccurate or incomplete Settlement data		
04c - Poor Standing Data - MEDIUM		
Measure on		
Supplier		
	Have a Standard?	
	Yes - 100%	
	Have corrective Technique(s) for those outside Standard?	
	Yes - SC, E&FR	
	Have escalation for being continuously outside the Standard?	
	Yes	
Start	D0011 acceptance received from Agent	
End	D0148 sent to Agent(s)	
Notes		
New Serial		
Already incentive on Suppliers as won't be able to operate Hub and get Actuals into Settlements and / or bill customers without full Hub appointed and all Agents known to each other. However, have been ongoing performance issues identified by ELEXON in this area.		
This is an occurring delay in appointment process.		
Some issues with receipt of D11 acceptance in timely manner - but this is a Supplier Hub issue.		
Information Required:		
Number of failed events occurring in report period		

Modification P99 Requirements Specification

Code	Title	Source
SP07	SMRS/SVAA MSID count comparison	SMRS & SVAA
Serial For each Supplier in each GSPG, there is not a greater difference in meter counts between SMRS and SVAA than: 0.01% at R2 and 0% and RF for HH 0.1% at R2 and 0.02% at RF for NHH		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process		
Assurance Required 04a – Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on Supplier		
	Have a Standard? Yes	
	Have corrective Technique(s) for those outside Standard? SCs - currently at zero	
	Have escalation for being continuously outside the Standard? Yes	
Start	SPM D0040 and D0041 received from Data Aggregator by SVAA D0055 Registration received from Supplier by SMRS	
End	Counts of MSIDs extracted	

Notes

New Serial

On Supplier, but aggregated up to Trading Arrangements for monitoring.

A high level Serial to check accuracy of registrations by MC and PC.

Originated from PMR 5092 - To ensure metering systems aren't being missed from Settlements.

Already get this by GSPG from SVAA and the SMRSs, but SMRS data isn't detailed enough. Not a formal standard.

Investigation carried out (PMR8833 - closed); difference between counts was found to be mostly caused by non-zero de-energised reads. Currently maximum difference per GSPG at any run is approximately 0.7%

Measured at Supplier level, and also aggregated to national level for market monitoring purposes. ELEXON currently measure this; the Serial would formalise this process.

Different standards for HH and NHH as missing HH volumes will be much bigger. However, need to ensure HH reporting from SMRS is consistent with NHH reporting.

Would require separate standard for small Suppliers with smaller than given count of MSIDs (e.g. for fewer than 5000 MSIDs, must have no more than 1 meter difference).

Include a count of de-energised meters from SMRS to provide idea of source of discrepancy.

Measured at R2 and RF only as R2 provides time to confirm energisation status, and R2 determines final position before errors are crystallised.

Candidate for SC framework, but value currently at zero.

Information Required

- Count of Metering Systems for each Supplier, DA and Measurement Class in each GSP Group (from SMRS and SVAA)
- Count of de-energised meters (from SMRS only)

Modification P99 Requirements Specification

Code	Title	Source
SP08	Energy and MSIDs on Actuals	SVAA
Serial % Energy and MSIDs on Actuals at all run types, NHH and HH Measurement Classes		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process The greater the percentage of Actuals entering Settlements, the more accurate Settlement data is.		
Assurance Required 04b - Material impact from inaccurate or incomplete settlement data - HIGH		
Measure on Supplier		
	Have a Standard? Yes - per run and MC	
	Have corrective Technique(s) for those outside Standard? Yes - SCs	
	Have escalation for being continuously outside the Standard? Yes	
Start	Aggregation Run initiated	
End	Aggregation Run completed	

Notes

Retained Serials - but merged.

On Supplier but aggregated up to Trading Arrangements for monitoring.

Good high level measure of market performance. Designed to replace existing HH and NHH energy performance Serials SUPP1, 3, 5 and 7.

Items to be measured per run:

HH Energy

HH MSIDs

NHH Energy

NHH MSIDs

Proposed that NHH values for the SF run are not monitored as this doesn't provide a good indicator of any issues in processing, or of performance at later runs.

Analysis carried out on % energy currently, and modelled on achievable standards.

Proposing possible changes to standards including:

HH% SF - current performance 98%, suggested change to 99% as median performance currently over 99%.

May need to set a 'not more than' standard for Suppliers with too few meter systems to meet the % standards.

Information Required

- For each Aggregation Run (and each run type) and each MC, the percentage of HH energy and of MSIDs that have been aggregated using Actuals
- For each Aggregation Run (and each run type, except SF runs) and for each MC, the percentage of NHH energy and of MSIDs that have been aggregated using Actuals

Code	Title	Source
SP09	Non Half Hourly Defaults	SVAA
<p>Serial Percentage of Energy settled on defaults EACs at each Volume Allocation Run in the reporting period.</p>		
<p>Reasons C - To ensure that energy is correctly allocated by the Settlement Process D - To ensure that metering data within the Settlement System is accurate</p>		
<p>Use of defaults are usually more inaccurate than EACs and indicate control and process weaknesses.</p>		
<p>Assurance Required 04b - Material impact from inaccurate or incomplete settlement data - HIGH</p>		
<p>Measure on Supplier</p>		
	<p>Have a Standard? Yes - as per S1 2.4A.1 of BSC Code</p>	
	<p>Have corrective Technique(s) for those outside Standard? Yes - SC on R3 and RF, PC</p>	
	<p>Have escalation for being continuously outside the Standard? Yes</p>	
Start	AA or EAC not available	
End	Default EAC used	
<p>Notes New Serial</p> <p>Standards are levels in the BSC. SF - 0.5%, R1 - 0.5% R2 - 0.2%, R3 - 0.1%, RF - 0%</p> <p>When CoA issues are smoothed out, defaults targets should be met.</p> <p>Good high level measure of process controls Supplier has in Hub. Reflects agreed approach to measure results.</p> <p>Default EACs are an indication of a process failure. Correct treatment of exceptions should remove them from Settlement.</p> <p>Information Required: Percentage of Energy settled on default EACs at each Volume Allocation Run in the reporting period</p>		

Modification P99 Requirements Specification

Code	Title	Source
DA01	NHH and HH Aggregated Data for all Reconciliation Runs.	SVAA
<p>Serial 100% of files of Aggregated Data to be delivered to the SVAA's gateway within timescales, measured monthly per GSP Group.</p>		
<p>Reasons C - To ensure that energy is correctly allocated by the Settlement Process D - To ensure that metering data within the Settlement System is accurate</p> <p>The HHDA will provide aggregated consumption data to the SVAA for each settlement run, if the data is not provided on time the SVAA will use substitute data based on its defaulting rules. This serial monitors that the data is provided on time.</p>		
<p>Assurance Required 04b - Material Impact from inaccurate or incomplete settlement data - HIGH</p>		
<p>Measure on HHDA and NHHDA</p>		
	<p>Have a Standard? Yes - 100%</p>	
	<p>Have corrective Technique(s) for those outside Standard? Yes - PC, E&FR, RoA</p>	
	<p>Have escalation for being continuously outside the Standard? Yes</p>	
<p>Start</p>	<p>SPM Aggregated data D0040 or D0298 and D0041 file sent by DA</p>	
<p>End</p>	<p>SPM Aggregated data D0040 or D0298 and D0041 file received by SVAA</p>	
<p>Notes Retained Serial</p> <p>Supplier has incentive to ensure Supplier Purchase Matrix (D0041 and D0040) are sent in to Settlements in a timely manner, as otherwise default data will be used.</p> <p>Proposed to keep as SVAA will continue to monitor and report failures to receive D0040.</p> <p>SVAA defaulting rules will protect Settlements to an extent from a missing SPMs but the accuracy of the default data will deteriorate over time.</p> <p>Extended to all reconciliation runs (currently SF only) and merged with NHHDA5</p> <p>Information Required:</p> <ul style="list-style-type: none"> Percentage of files received for all reconciliation runs per GSP group per month 		

Modification P99 Requirements Specification

Code	Title	Source
DA02	Timely application of HH Line Loss Factors	HHDA
Serial Count of MPANs per day using default at all Reconciliation Runs.		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process. Use of default HH LLFs can result in inaccurate data entering Settlements, and therefore other Suppliers affected through GCF		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on HHDA and Supplier		
	Have a Standard? Yes - 0	
	Have corrective Technique(s) for those outside Standard? E&FR and RoA, (consider future SCs on Supplier)	
	Have escalation for being continuously outside the Standard? Yes	
Start	Start date of LLF	
End	Default value of 1 NOT being used	

Notes

New Serial

On HHDA and Supplier. In Agent and Supplier Hub sections in model.

Loading and use of LLFs by HHDA is an annual event. Any error introduced by using the default value of 1 affects NHH Suppliers through GSP Group Correction Factor. BSCP528 1.3 obligations are:

"In the absence of information for a new Metering System or an update for an existing LLFC ID, Agents shall apply a default LLF of +1.000."

Use of HH LLFs is monitored under the BSC Audit. However there has been an ongoing issue surrounding correct use of HH LLFs for some time, so Serials and Standards will provide the required assurance.

Suggested to be included in this Serial to check that the LLFs are received before checking if correctly loaded.

Process: DA instructed to use LLFs by SMRS. PDSO sends HHDA all LLFs for those MSIDs which are registered to that HHDA. However, often PDSO sends all LLFs so that if an HHDA gains a new customer with a different LLF through the year, they already have the necessary LLF.

Any failure to load the LLF D0265 file is likely to have a large impact and be noticeable.

Suggested to split the counts to measure total defaults, then the portions of 1) due to failure of PDSO to sent, and 2) due to other failures.

HHDA can identify default values of 1 as opposed to genuine values of 1.

Modification P30 now allows LLFs to be published on the BSC Website (as well as via DTN D0265s) and so are available for download by HHDA. Therefore, there should be no justification for using default LLFs when not received from the PDSO. .

Candidate for SCs due to damage caused, but because of difficulty in identifying who is at fault, E&FR would be more appropriate with a consideration of introduction of SCs in future. Therefore Supplier would need to verify the data.

Information required:

Count of MPANs using default because no actual LLF has been applied, separated by exception type, GSP Group, DA, voltage general and site specific

Modification P99 Requirements Specification

Code NC01	Title D0023 Exceptions	Source NHHDA <i>or</i> Supplier
Serial Count of D0023 exceptions generated.		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process D - To ensure that metering data within the Settlement System is accurate		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on DC		
	Have a Standard? Yes	
	Have corrective Technique(s) for those outside Standard? Yes - PC, RoA, E&FR	
	Have escalation for being continuously outside the Standard? Yes	
Start	D0023 received by Supplier from DA	
End	D0023 analysed and acted upon by Supplier	
Notes New Serial Count of Exceptions on D19 (EAC/AA history). DC to DA, not DC to SMRS Suggested that the Serial measure not only the number of exceptions but also the number outstanding. Serial would define an outstanding exception as proportion generated and resolved - would see a knock-on effect in D0095 exceptions. Analysis to be performed on tolerable levels of exceptions per exception type. Information Required: <ul style="list-style-type: none"> • Number of D0023s raised due to errors in D0019s from DC to DA • Number of D0023s outstanding at time of report 		

Modification P99 Requirements Specification

Code NC02	Title Inter-hub Data Transfer - NHHDC to NHHDC Meter Reads & History	Source Old NHHDC
Serial 100% of D10 and D152 files sent to incoming NHHDC within 8 working days		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process This Serial provides assurance on the CoA process.		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on NHHDC		
	Have a Standard? Yes - 100%	
	Have corrective Technique(s) for those outside Standard? Yes - PC, RoA, E&FR	
	Have escalation for being continuously outside the Standard? Yes	
Start	Receipt of D0170 or D0151 termination	
End	D0010 and D0152 sent	
Notes New Serial Raised by ELEXON's CoA (Change of Agent) workshop - need to strengthen PAF in area of inter-hub transfers. Performance of Suppliers and Agents can be impacted by others performance from CoS/CoA. Issue surrounding chain of unsuccessful Changes of Agent - old DC cannot send if never received from previous NHHDC. BSCP requirements are within 5WD of D170 on change of NHHDC, and prior to SSD+8 on CoS. Information Required: <ul style="list-style-type: none"> Count of failed events within reporting period (i.e. where data has not been sent to new NHHDC within 8 working days) 		

Modification P99 Requirements Specification

Code NC03	Title NHHDC-NHHDA Meter Read History	Source NHHDA
Serial 100% of D0019 flows sent by NHHDC to incoming NHHDA		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process This Serial provides assurance on the CoA process.		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on NHHDC		
	Have a Standard? Yes - 100%	
	Have corrective Technique(s) for those outside Standard? Yes - PC, RoA, E&FR	
	Have escalation for being continuously outside the Standard? Yes	
Start	D0148 received by NHHDC	
End	D0019 sent to NHHDA	
Notes New Serial Raised by CoA workshop - need to strengthen PAF in area of inter-hub transfers Performance of Suppliers and Agents can be impacted by others performance from CoS/CoA. 2 scenarios <ul style="list-style-type: none"> - CoDC and CoDA (START - D148 and D10 & D152 from old DC) (END - D19 sent) - CoDA (START - D148) (END - D19) Valid D0019 must be received by the NHHDA in time for the scheduled Aggregation Run in order that it can be used by SVAA in the Initial Volume Allocation Run(15 working days) Information Required: <ul style="list-style-type: none"> • Count of failed events (valid D0019 not received by NHHDA within 15WD) 		

Modification P99 Requirements Specification

Code	Title	Source
HC01	HH Estimates at RF	HHDC
Serial 100% based on minimum estimating technique C (Meter Advance)		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process Ensures that MARs are used to revise estimates so that HHDCs are creating the correct level of energy in Settlements.		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on HHDC		
	Have a Standard? Yes - 100%	
	Have corrective Technique(s) for those outside Standard? Yes - PC, RoA, E&FR	
	Have escalation for being continuously outside the Standard? Yes	
Start	Estimate used	
End	Estimate revised using MAR	
Notes New Serial Measure of exceptions, where not based on MAR, or on appropriate estimating technique. Reporting: Details HHDC and Supplier. BSCP502 4.2 Data Estimation DA and Supplier are advised of estimating technique. DC sends Estimated Data Report (D0022) (including estimation reason code)to Supplier and PDSO (BSCP502 3.4.1.5) Information Required: Percentage of estimates (split by Supplier) that have been revised using MAR		

Modification P99 Requirements Specification

Code HC02	Title HH read history to new HHDC upon request	Source New HHDC
Serial 100% of Validated Half Hourly Advances sent to new HHDC within 5 days of receipt of request		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process Read history allows accurate estimating of HH read if actual not available.		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on HHDC		
	Have a Standard? Yes - 100%	
	Have corrective Technique(s) for those outside Standard? Yes - PC, RoA	
	Have escalation for being continuously outside the Standard?	
Start	Receipt of D0170	
End	Delivery of D0036	
Notes New Serial Measures performance of old DC Measured by new DC - needs verification BSCP502 requirements: 3.2.4.8 in 5 WD of request. Information Required: <ul style="list-style-type: none"> Count of HH read history requests in period Count if HH read history requests in period pending Percentage of read history received within 5WD of receipt of request 		

Code	Title	Source
NM01	NHH Metering Faults: Time taken to rectify material faults	NHHDC
Serial		
Average working days taken to rectify faults shall not exceed 15		
Reasons		
<p>A - To ensure that metering systems are operating correctly.</p> <p>Data collectors, Suppliers and Settlements rely on the accurate measurement of energy. When there is a suspected fault on a meter, the Meter Operator Agent is asked to resolve the problem. Meter operators need to address the problem within defined times. This Serial measures the extent to which Meter Operator Agents achieves resolution within those timescales.</p>		
Assurance Required		
04b - Material impact from inaccurate or incomplete settlement data - HIGH		
Measure on		
NHHMO		
	Have a Standard?	
	Yes - 15 days	
	Have corrective Technique(s) for those outside Standard?	
	Yes - PC, E&FR, RoA	
	Have escalation for being continuously outside the Standard?	
	Yes	
Start	D0001 received	
End	Sending of D0002 by MOA reporting resolution of the issue	
Notes		
Retained Serial		
Needs to be clear what the end event to be measured is; the Serial does not just measure that a D0002 is sent, but resolution of the fault.		
Currently only high volume Current Transformer (CT) NHH meters are included as there is a risk of the Serial results being dominated by low volume meters in the NHH market. Proposed that Whole Current NHH meters are also included.		
DC is in best position to measure both ends of the Serial.		
Related issue raised: consideration of guidance on use of D0005s for queries in parallel with this Serial. Has been suggested to have separate flows for acknowledgement of receipt of D0001s and a fault reference number so issues can be tracked between DC and MO.		
Information Required:		
<ul style="list-style-type: none"> • Average working days outstanding since receipt of D001 (where faults have been unresolved for >15WD) • Average working days to resolve fault Average working days to resolve fault (i.e. between receipt of D0001 and receipt of D0002, where D002 is received during the reporting month) 		

Modification P99 Requirements Specification

Code NM02	Title Provision of NHH Opening and Closing Reads by an NHHMO	Source NHHDC
Serial 100% to be dispatched to DC within 10 working days of opening/closing read.		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process D - To ensure that metering data within the Settlement System is accurate Providing Opening and Closing readings to the DC is critical to other DC processes. This serial measures the extent to which the MO provides timely readings.		
Assurance Required 04b - Material impact from inaccurate or incomplete settlement data - HIGH		
Measure on NHHMO		
	Have a Standard? Yes - 100%	
	Have corrective Technique(s) for those outside Standard? Yes - E&FR, RoA	
	Have escalation for being continuously outside the Standard? Yes	
Start	Date of reading following installation, disconnection, reconfiguration or replacement of meter. Change of measurement class or tariff register	
End	Valid D10 received by DC	
Notes Retained Serial Triggers for sending opening/closing read: 1 - meter installation - D0010 opening read on installation 2 - Supplier advises of change of measurement class to HH, and P0169 received from HHMO - closing read by SSD+5 3 - On change of measurement class to NHH, following D0005 from NHHDC - send closing read D10 to NHHDC 4 - On change of tariff register - Pass D0010s for final meter reading for old register configuration and initial meter reading for new register configuration 5 - meter disconnection - D0010 closing read on disconnection. There is evidence from NHHDCs and HHDCs that missing initial readings are causing some processes to fail (e.g. MAR). NHHDCs can not process subsequent readings unless they have a starting position. It is permitted that the NHHDC can backward deem a missing opening reading. Under some cases the closing reading may be provided by the Revenue Protect unit. Information Required: <ul style="list-style-type: none"> Count of opening and closing readings in period Count of reading receipts in period pending Percentage of opening and closing readings received within 10WD 		

Modification P99 Requirements Specification

Code NM03	Title Provision of NHH Metering Equipment Technical Details to an NHHDC	Source NHHMO
Serial 100% to be dispatched to DC within 10 working days.		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process D - To ensure that metering data within the Settlement System is accurate The NHHDC will not be able to correctly process meter readings until it has received details of the meter from the NHHMO. The Serial measures the extent to which the MO is sending timely details to the DC.		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM 04b - Material impact from inaccurate or incomplete settlement data - HIGH		
Measure on NHHMO		
	Have a Standard? Yes - 100%	
	Have corrective Technique(s) for those outside Standard? Yes - PC, E&FR and RoA	
	Have escalation for being continuously outside the Standard? Yes	
Start	Receipt of D0170 - Request for Metering System Related details by NHHMO	
End	Delivery of accurate D150 or D149 by NHHMO	
Notes Retained Serial BSCP obligations: Following request from Supplier and within 5WD of effective date of DC appointment. Currently reported as count of failed events which doesn't take into account the size of the agent. No need to distinguish between inter/intra hub as this is still an independent measure of Agent Performance. Information Required: Out of the total D0170 requests received during the reporting period, the percentage of D0150/D0149 delivered within 10WD		

Modification P99 Requirements Specification

Code	Title	Source						
NM04	Provision of NHH Metering Equipment Technical Details to an incoming NHHMO	Agent - old NHHMO						
<p>Serial 100% to be dispatched to incoming NHHMO within 10 working days on change of MOA</p>								
<p>Reasons A - To ensure that metering systems are operating correctly. C - To ensure that energy is correctly allocated by the Settlement Process. Provides assurance on the Change of Agent Process.</p>								
<p>Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM 04b - Material impact from inaccurate or incomplete settlement data - HIGH</p>								
<p>Measure on NHHMO (Old)</p> <table border="1" data-bbox="288 792 1452 1021"> <tr> <td data-bbox="288 792 300 943"></td> <td data-bbox="300 792 1452 869"> <p>Have a Standard? Yes - 100%</p> </td> </tr> <tr> <td data-bbox="288 869 300 943"></td> <td data-bbox="300 869 1452 943"> <p>Have corrective Technique(s) for those outside Standard? Yes -PC, E&FR, RoA</p> </td> </tr> <tr> <td data-bbox="288 943 300 1021"></td> <td data-bbox="300 943 1452 1021"> <p>Have escalation for being continuously outside the Standard? Yes</p> </td> </tr> </table>				<p>Have a Standard? Yes - 100%</p>		<p>Have corrective Technique(s) for those outside Standard? Yes -PC, E&FR, RoA</p>		<p>Have escalation for being continuously outside the Standard? Yes</p>
	<p>Have a Standard? Yes - 100%</p>							
	<p>Have corrective Technique(s) for those outside Standard? Yes -PC, E&FR, RoA</p>							
	<p>Have escalation for being continuously outside the Standard? Yes</p>							
Start	Receipt of D0170 - Request for Metering System Related details by outgoing NHHMO							
End	Delivery of D150 and D149 by outgoing NHHMO							
<p>Notes Retained Serial</p> <p>Change of MOA is currently infrequent, so transfer of METD between MOAs will mostly stem from CoS. However, need to retain this Serial to provide reporting and monitoring as competition increases.</p> <p>Current performance - best 100%, median 100%</p> <p>No BSCP obligations. PSL110 defines timescale as per current Serial - 100% in 10 working days of change of MOA. 1.3.2.1 states that there must be an "immediate transfer of data and other information to an incoming MOA".</p> <p>Information Required: Out of the total D0170 requests received during the reporting period, the percentage of D0150/D0149 delivered within 10WD</p>								

Code	Title	Source
HM01	HH Metering Faults: Time taken to rectify material faults.	HHDC
Serial		
Average working days taken to rectify faults shall not exceed 15		
Reasons		
<p>A - To ensure that metering systems are operating correctly.</p> <p>Data collectors, Suppliers and Settlements rely on the accurate measurement of energy. When there is a suspected fault on a meter, the Meter Operator Agent is asked to resolve the problem. Meter operators need to address the problem within defined times. This Serial measures the extent to which Meter Operator Agents achieves resolution within those timescales.</p>		
Assurance Required		
04b - Material impact from inaccurate or incomplete settlement data - HIGH		
Measure on		
HHMO		
	Have a Standard? Yes - 15 days	
	Have corrective Technique(s) for those outside Standard? Yes - PC, RoA, E&FR	
	Have escalation for being continuously outside the Standard? Yes	
Start	D0001 received	
End	Sending of D0002 by MOA reporting resolution of the issue	
Notes		
Retained Serial		
<p>Needs to be clear what the end event to be measured is; the Serial does not just measure that a D0002 is sent, but resolution of the fault.</p> <p>This Serial to be used instead of SUPP08.</p> <p>DC is in best position to measure both ends of the Serial.</p>		
Information Required:		
<ul style="list-style-type: none"> • Average working days outstanding since receipt of D001 (where faults have been unresolved for >15WD) • Average working days to resolve fault (i.e. between receipt of D0001 and receipt of D0002, where D002 is received during the reporting month) 		

Code	Title	Source
HM02	Provision of HH Opening and Closing reads by an HHMO	NHHDC
Serial		
100% to be received by DC within 10 working days of opening/closing readings.		
Reasons		
C - To ensure that energy is correctly allocated by the Settlement Process		
D - To ensure that metering data within the Settlement System is accurate		
Providing Opening and Closing readings to the DC is critical to other DC processes. This Serial measures the extent to which the MO provides timely readings.		
Assurance Required		
04b - Material impact from inaccurate or incomplete settlement data - HIGH		
Measure on		
HHMO		
	Have a Standard?	
	Yes - 100%	
	Have corrective Technique(s) for those outside Standard?	
	Yes - RoA, E&FR	
	Have escalation for being continuously outside the Standard?	
	Yes	
Start	Date of reading following installation, disconnection, reconfiguration or replacement of meter.	
	Change of measurement class or tariff register	
End	Valid D0010 received by HHDC	
Notes		
Retained Serial		
From BSCP502 - In 5wd of CoMC to HH, or following receipt of D148 - send D10		
- When MS replaced or reconfigured - send D10		
Information Required:		
<ul style="list-style-type: none"> • Count of opening and closing readings in reporting period • Count of reading receipts pending in period • Percentage of opening and closing readings received within 10WD 		

Modification P99 Requirements Specification

Code HM03	Title Proving of a Metering System (HH only) - Compare collected data with expected data and send report of unsuccessful test	Source HHDC
Serial 100% of results to be received by HHDC within 3 working days of receipt of the data by the HHMO.		
Reasons A - To ensure that metering systems are operating correctly. To ensure that the data retrieved from metering systems is being correctly interpreted. Proving tests assure that the Meter details held by the HHDC are correct. Proving tests should be performed when the HHDC receives new or revised details about the meter.		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on HHMO		
	Have a Standard? Yes - Proving test timescale is defined by relevant COP. Need to split by local/remote meters	
	Have corrective Technique(s) for those outside Standard? Yes - RoA, E&FR	
	Have escalation for being continuously outside the Standard? Yes	
Start	D268 (EFD where on or after DC appointment date)	
End	D214 sent (received by DC)	

<p>Notes</p> <p>Retained Serial</p> <p>PAF Review proposes to reduce the 3 Proving Test Serials to just 1.</p> <p>There are two issues surrounding proving tests: firstly that the test is done accurately, and secondly that it is done at all. It is currently perceived that proving tests are not conducted for every occasion required. It is more important to conduct a test correctly than to complete it within a short timescale, although there should also be some measure of how long the test takes.</p> <p>Concerns about the usefulness of Peer Comparison (PC) on such a complicated Serial, therefore PC not applied.</p> <p>Proving Test would be considered resolved when the MO has completed a successful test.</p> <p>The HHMO determines the situation where a proving test should be performed. Comparison between previous proven D0268, and new D0268 shows any differences in key fields. Proving test timescale is defined by the relevant Code of Practice.</p> <p>Information Required (separated into data for local and remote meters, and separated by Supplier):</p> <ul style="list-style-type: none"> • Count of proving test requests sent to HHMO in reporting period • Count of proving test requests pending with HHMO • Percentage of test reports received by HHDC within 3WD
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Code	Title	Source
HM04	Provision of HH Metering Equipment Technical Details to an HHDC	HHMO
Serial		
95% to be received by DC within 5 working days and 100% within 15 working days of requested date.		
Reasons		
C - To ensure that energy is correctly allocated by the Settlement Process D - To ensure that metering data within the Settlement System is accurate		
The HHDC can not interrogate metering systems without a D268 to provide the meter details. This serial measures the MO's performance in providing timely meter details.		
Assurance Required		
04a - Material impact from inaccurate or incomplete metering data - MEDIUM 04b - Material impact from inaccurate or incomplete settlement data - HIGH		
Measure on		
HHMO		
Have a Standard?		
Yes		
Have corrective Technique(s) for those outside Standard?		
Yes - RoA, E&FR, PC		

	<p>Have escalation for being continuously outside the Standard? Yes</p>
Start	Receipt of D0148 by HHMO advising change of HHDC
End	D0268 sent by HHMO
<p>Notes Retained Serial</p> <p>BSCP502 requirements: Only defined timescale is 3.3.1.3 - within 5 WD of CoMC. All others are 'following D0148' or 'when MS replace/reconfigured'</p> <p>Account must be taken of the fact that the Agent appointment and appointment effective date may be different and that the Agent cannot complete the process of sending details until he knows where to send them through receipt of a D0148. Some Suppliers can appoint agents retrospectively to resolve problems although this process is itself subject to another Serial). This can create a situation where the meter details are apparently late but not due to under performance of the Meter Operator.</p> <p>Information Required:</p> <ul style="list-style-type: none"> • Count of METD requests in period • Count of METD requests in period pending • Percentage of METD issued within 5WD • Percentage of METD issued within 15WD 	

Modification P99 Requirements Specification

Code HM05	Title Provision of HH Metering Equipment Technical Details to an incoming HHMO	Source Old HHMO
Serial 95% to be received by incoming HHMO within 5 working days and 100% within 10 working days of requested date on change of HHMO.		
Reasons C - To ensure that energy is correctly allocated by the Settlement Process D - To ensure that metering data within the Settlement System is accurate This Serial provides assurance on the Change of Agent Process		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM 04b - Material impact from inaccurate or incomplete settlement data - HIGH		
Measure on HHMO		
	Have a Standard? Yes	
	Have corrective Technique(s) for those outside Standard? Yes - RoA, E&FR, PC	
	Have escalation for being continuously outside the Standard? Yes	
Start	Receipt of D0170 - Request for Metering System Related details by HHMO	
End	Delivery of D268 by HHMO	
Notes Retained Serial At least half currently achieving 100% of Serial. Also would be beneficial to have the option of a null value for reporting of no instances during the month. Added to final report as related issue. PSL110 1.3.2.1 states "immediate transfer of data and other information to an incoming MOA". Information Required: <ul style="list-style-type: none"> • Count of METD requests in period • Count of METD requests in period pending • Percentage of METD issued within 5WD • Percentage of METD issued within 10WD 		

Code HM06	Title HHMO Performance - Quality of D268	Source HHDC
Serial Meter Technical Details should contain correct data		
Reasons D - To ensure that metering data within the Settlement System is accurate Incorrect METD can delay HHDC obtaining Actual meter reads		
Assurance Required 04a - Material impact from inaccurate or incomplete metering data - MEDIUM		
Measure on HHMO		
	Have a Standard? Yes	
	Have corrective Technique(s) for those outside Standard? Yes - PC, RoA	
	Have escalation for being continuously outside the Standard? Yes	
Start	Receipt of D0268	
End	Successful validation of D0268	
Notes New Serial PAF Review agreed that it was a good idea in principle to check the quality of HH METDs (D0268). PAF Review did not agree that the number of D0001s received is a good indicator of the quality of D0268s. MOs are starting to monitor D0001s and D0002s and classifying them into meter faults, invalid D0268s etc. as part of Supplementary Monitoring. From Agent workshop: Valid changes to a metering system (such as Comms link installed) would result in a D0268 with a new Effective From Date. Measure (and report) at MPAN level, and by Code of Practice class. It is more important (and easier) to get to get D0268s right for some CoPs than it is for others. Reporting by MO-DC pair. D0268s measured are those where EFD is in the reporting period. NOTE: In some months many more D0268s re sent due to contractual arrangements. Measurement will be on performance going forward from Serial implementation. Information Required: <ul style="list-style-type: none"> Count of D0268s received per Metering System with same Effective From date for a change in any field 		