Balancing and Settlement Code

BSC PROCEDURE

[Housekeeping]

BSCP533 – Appendix B:

PARMS Calculation Guidelines

Please note the changes proposed by CP1325 'Removal of Obsolete PARMS Serials'(approved by SVG for November 2010 implementation) have been accepted in this conformed version to prevent corruption.

All the approved CP1325 redline text can be found here.

Version 15.1

Date:

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BSCP533 Appendix B

Relating to

[Housekeeping]PARMS Calculation Guidelines

1. Reference is made to the Balancing and Settlement Code and in particular, to the definition of "BSC Procedure" In Section X, Annex X-1 thereof.

2. [Housekeeping]This is BSCP533 Appendix B, Version 15.1 relating to PARMS Calculation Guidelines.

3. This BSC Procedure is effective from .

4. This BSC Procedure has been approved by the Panel.

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AMENDMENT RECORD

Version	Date	Description of Changes	Changes Included	Mods/ Panel/ Committee Refs
0.1	Code Effective Date	Re-badged AP533 to form BSCP533		
1.1	Code Effective Date	Submitted to the Panel for approval	NCR313	
2.0	27/03/01	Approved by the Panel on 22/02/2001		13/008
3.0	01 November	Changes for Modification P68	P68	NPAB19/210
4.0	01/03/03	Updated to reflect the terminology used in the BSC	CP852	NPAB22/244
5.0	01/08/03	Updated for Modification P62	P62	
6.0	06/01/04	Updated for Modification P99	P99	
6.1	09/01/04	Updated with SVG comments	P99	
7.0	01/05/04	Approved by SVG	P99	
8.0	01/07/04	Consistency Amendments and Working Day timings updates	P99	SVG41/002
9.0	04/11/04	SVA November Release 2004	P124 and CP1016	SVG44/007
10.0	23/02/05	SVA February 05 Release and BETTA 6.3	BETTA 6.3, CP1091	SVG47/004
11.0	30/06/05	SVA June 05 Release	CP1103	SVG52/005
12.0	03/11/05	SVA November Release 05	CP1087	
13.0	26/06/08	June 08 Release	CP1223	ISG84/01 SVG84/02 PAB84/11 TDC109/01
14.0	06/11/08	November 08 Release	CP1237	ISG88/01 SVG88/02 PAB88/03
15.0	05/11/09	November 09 Release	CP1248 v2.0	SVG97/01
15.1	01/11/10	November 10 Release	CP1325	SVG111/01

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Related Documents

Reference 1	PARMS User Requirements Specification
Reference 2	BSC Procedure: PARMS Data Provision, Reporting and Publication of Peer Comparison Data (BSCP533)
Reference 3	BSC Procedure: ~~PARMS Data Provision (~~BSCP533 – Appendix A: PARMS Data Provider File Formats~~)~~
Reference 4	BSC Procedure: BSCP533 – Appendix C: PARMS Data Provider File Formats and Calculation Guidelines for Obsolete PARMS Serials

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1. INTRODUCTION

1.1 Purpose

The purpose of this document is to specify the calculation guidelines associated with the information to be submitted to the Performance Assurance Reporting and Monitoring System (PARMS) which monitors Market Participants' performance. This is intended to provide guidance for Data Providers to assist them in the development of their systems.

1.2 PARMS Data

1.2.1 PARMS Data: General Description

PARMS Data consists of data pertaining to the performance of specified market Participants and is provided via a pre-determined series of files by agreed Data Providers (SMRAs, the SVAA, the CDCA, Suppliers or Supplier Agents). This data is specified in BSCP533 PARMS Data Provision, Reporting and Publication of Peer Comparison Data. The data will be loaded automatically (unless specified otherwise) into the PARMS database using the corresponding PARMS validation process.

2. NOTES ON SUBMISSIONS

This document concerns itself primarily with those Serials reported by Suppliers, Supplier Agents, and SMRAs and the data reported by them. A full list of Serials is included in Annex A of this document denoting who is responsible for reporting each Serial.

2.1 Classification of Serials

The PARMS Serials measure performance on [CP1325]three levels, these are:

- Trading Arrangements
- CVA Metering
- Suppliers
- ~~[CP1325]Agent~~Supplier Agents

Each Serial ~~level type~~ is denoted by a two letter prefix followed by a two digit number as follows:

- TA = Trading Arrangement
- CM = CVA Metering
- SP = Supplier
- HM = Half Hourly Meter Operator Agent
- NM = Non Half Hourly Meter Operator Agent
- NC = Non Half Hourly Data Collector

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The first digit from the two-digits that follow the two-letter prefix will either be a zero (0) or a one (1). A zero (0) indicates it is a PARMS Serial developed under P99 and a one (1) indicates it was developed under CPXXXX[LJ1].

Those Serials with a one (1) as the first digit fall into three broad categories measuring:

- The appointments process;
- The transfer of key data items; and
- The quality of the data transferred / or quality of action taken

These Serials measure the timeliness, missing or quality/action taken of key business processes.

- ~~Trading Arrangements (TA)~~
- ~~Supplier (SP)~~
- ~~[CP1325]Supplier Agent ([CP1325]NC for NHHDC or HM for HHMO or NM for NHHMO[CP1325])~~

~~This document concerns itself primarily with those Serials reported by Suppliers, Supplier Agents and SMRAs and the data reported by them. A full list of Serials is included as [CP1325]Annex A denoting who is responsible for reporting each Serial.~~

2.1.1 Assumptions for Serials with the First Digit as One (1)

The Serials developed under CPXXXX [LJ2]are: SP11, SP12, SP13, SP14, SP15, HM11, HM12, HM13, HM14, NM11, NM12, and NC11.

GSP Group Level Submissions

Each Serial should be submitted by GSP Group. **Where the key data flow does not contain the GSP Group ID the associated D0155 should be referenced** in order to obtain the GSP Group ID. Where a D0148 has been sent without an associated D0155 (and therefore it will not be possible to identify the GSP Group ID) the GSP Group ID should be submitted as 'unknown'. No other method of determining the GSP Group ID should be used other than the key data flow or the D0155.

Settlement Run Submissions

Performance for each Serial should be reported against all Settlement Runs for both the Half Hourly and Non Half Hourly markets.

Reporting against the Settlement Runs is based on the approximate timings of the Settlement Administrator Agent (SAA) Settlement Runs given in BSCP01[1]. These are approximate dates, and in reality the Runs can occur ±2 WD from specified days. This will provide a good indication of affected Settlement Runs

The Settlement Run bands should be considered as following, unless otherwise stated:

Settlement Bands
Number of activities received or missing between +1 WD and +16 WD from relevant

[1] Overview of Trading Arrangements

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date = before SF
Number of activities received or missing between +17 WD and +39 WD from relevant date = before R1
Number of activities received or missing between +40 WD and +84 WD from relevant date = before R2
Number of activities received or missing between +85 WD and +154 WD from relevant date = before R3
Number of activities received or missing between +155 WD and +292 WD from relevant date = before RF
Number of activities received or missing later than +293 WD from relevant date = after RF

Counting Working Days for Settlement Run Submissions

Calculating Working Days (WDs) should be done in absolute terms. For example, where a data flow is received +290 WDs after the Effective From Date (EFD) it should be reported against the standard that reports before RF, even though it would be unlikely to have been processed in time for the RF Run.

If the date that data is received on is the 16th, 39th, 84th, 154th or 292nd Working Day this will be counted as being received by the SF, R1, R2, R3 and RF Reconciliation Run, respectively.

Where a data flow is received on the EFD it should be counted as received +1 WD from the EFD.

This is because it would not be possible to process the data prior to the first Settlement Period on the EFD. It is therefore classed as late.

Examples:

- If the EFD is the 01/05/09 and the item is received on the 01/05/09, it is counted as +1 WD after the EFD.
- If the EFD is the 01/05/09 and the item is received on the 02/05/09, it is counted as +2 Working Days after the EFD. Please note that 2 May 2009 is a Saturday. The item would be classes as received 4 May 2009 (Monday) and +2 WD after the EFD.

General

- Both energised and de-energised sites should be submitted against, unless otherwise stated.
- A Supplier Agent's appointment will be considered to be where a Party is appointed for at least one WD.
  - If the appointment is later discovered to be an erroneous appointment it should be excluded from any subsequent Serial reports submitted after the receipt date of the relevant information.
  - Where an MSID is later identified as a de-energised new HH connection or an Unmetered Supply (UMS) these instances should also be excluded from future submissions (where applicable).

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- Erroneous flows should still be submitted against for those Serials which measure timeliness. This is because even if it was erroneous the sending of the data flow should still not be late.
- Serial timescales are to be considered entirely separate from other BSC and BSCP obligations and these must still be adhered to.
- Data flows obtained using the Underpin process should be counted as received and reported as normal (as if they were received through the prescribed Data Transfer Catalogue (DTC) flow).
- All Serial submissions should contain the Supplier ID.
- All Serials look at current reporting period (t).
- Both elective and mandatory Half Hourly Metering Systems should be submitted for Half Hourly Serials.
- A data flow is considered as having been received when it has successfully been loaded into the recipients system.

2.2 PARMS Reporting

All PARMS Serials should be reporting on the current reporting period (t). A reporting period equates to a calendar month. For example, the November 2010 reporting period equates to 1 November 2010 to 30 November 2010.

~~The first period (calendar month) for PARMS reports relating to this BSCP will be the reporting period [CP1325]**November 2010**. This will measure performance where the 'Start Event' is within the calendar reporting month (i.e. start events from [CP1325]1 November – 30 November 2010)~~ PARMS reports are to be received by no later than +20 [CP1325]Working Days (WD) after the end of the reporting period [CP1325](see diagram below for an example, and BSCP533 section 5.9 for more information).

[CP1325]**For details on PARMS reporting for reporting periods prior to ~~November 2010~~MONTH YEAR[LJ3], please also see BSCP533 Appendix C.**

[CP1325 – diagram below deleted]

[CP1325 – diagram below deleted]

[CP1325 – diagram below inserted]

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~~A full PARMS reporting calendar for 2004 will be issued prior to the end of 2004.~~

2.3 ~~t-1 Serials~~Not Used

~~A number of Serials will have 'End Events' that may occur a number of [CP1325]Working Days beyond the end of the calendar reporting month. Therefore if a start event occurs on the last day of the reporting month there may be a number of days (up to 15 WD in some cases) within which the standard allows the process to be completed. This may not leave the data provider time to see if the process has completed within the allowable time scales prior to generating or submitting their PARMS returns.~~

~~A number of Serials have therefore been designated as t-1 Serials. This means that for a reporting period t, a t-1 Serial measures performance for Start Events that occurred in the calendar month immediately prior to the reporting period [CP1325](see diagram below).~~

~~*For example if the reporting period (t) = February, then*~~

~~*t-1 = January*~~

~~*a t-1 Serial will look at start events that occurred on 1-31 January.*~~

~~[CP1325 – diagram below deleted]~~

~~[CP1325 – diagram below inserted]~~

~~In this way we can measure whether a Serial has completed within timescales and if it remains pending we can be sure that the performance is well outside the standard.~~

~~The following Serials are t-1 Serials:~~

~~**[CP1325]NC02, NM03, NM04, HM01, HM04, HM05.**~~

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2.4 ~~Pending Events~~Not Used

~~[CP1325]The following t-1 Serials report 'pending events':~~

- ~~HM01, NM03, NM04, HM04, and HM05~~

~~A pending event is [CP1325]one where the process has not been completed by the end of the reporting period (t) (i.e. there has not yet been an end event for a corresponding start event). Pending events should be a rolling total to allow monitoring of clearance of activities.~~

~~The following [CP1325]four slides illustrate where events are recorded as pending and where they are not. All examples use +15 WD from the start event as the standard (15 WD to complete the process). Not all Serials have +15 WD as a standard. Refer to the individual Serial description for their specific requirements.~~

~~Please see BSCP533 section 1.8.2 for more information on counting Working Days.~~

~~Pending Example 1~~

~~[CP1325 – diagram below inserted]~~

- ~~Process completed within standard (+15 WD)~~
- ~~Process completed within reporting period (t)~~
- ~~Not included in pending count~~

~~Pending Example 2~~

~~[CP1325 – diagram below deleted]~~

~~[CP1325 – diagram below deleted]~~

~~[CP1325 – diagram below inserted]~~

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- ~~Process completed outside standard (+15 WD)~~
- ~~Process completed within reporting period (t)~~
- ~~Not included in pending count~~

~~[CP1325]Pending Example 3~~

~~[CP1325 – diagram below deleted]~~

~~[CP1325 – diagram below inserted]~~

- ~~Process has exceeded standard (+15 WD)~~
- ~~Process not complete (no end event)~~
- ~~Record as pending~~

~~[CP1325]2.4A – Exclusions from Reporting~~

~~In order to avoid incorrect pending counts, some start events (receipt of Data Flow) for NC02, NM03, NM04, HM04, and HM05 need to be excluded from reporting.~~

~~Performance against these Serials is dependent upon information being provided by the relevant agent within a defined deadline. This deadline refers to a 'date of action' contained within the received flow (Start Event).~~

~~For example – NM03 measures the requirement of the NHH MOA to send NHH METD to the new NHHDC by +5 WD from a 'the EFD of the new NHHDC. The start event for this process is the receipt of a D0148 by the NHH MOA from the Supplier, informing it of a new NHHDC appointment. One of the data items in the~~

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~~D0148 flow is J0219 – EFD of DCA. The NHHMOA has +5 WD from this date to submit the D0149/D0150 to the NHHDC (the end event), to meet its obligation.~~

~~This 'date of action', varies with each Serial, but will usually be a date later than the start event.~~

~~Given the nature of reporting t-1 Serials, if the date of action is close to the end of the reporting period (t), there is a risk that the process could be completed after the end of the reporting period (t), but still within the agreed deadlines (standard). As shown in the diagram below, this would be counted as pending for the reporting period (t) and as a failure by that agent, despite the obligation (standard) having been met.~~

~~[CP1325 – diagram below inserted]~~

- ~~Process completed within standard (+5 WD)~~
- ~~Process completed outside reporting period (t)~~
- ~~Process would be recorded as pending~~
- ~~Process would be recorded as a failure against the standard despite the standard having been met~~

~~As a result, the start events for the Serials as detailed in the table below should be excluded if the 'date of action' is greater than +(x)WD after the end of the period t-1.~~

~~Serial~~	~~Date of Action Detailed on:~~		~~Pending Count~~	~~Exclude where Date of Action is >+(x)WD after t-1~~
	~~Data Flow~~	~~Data Item~~		
~~HM04~~	~~D0148~~	~~J0219~~	~~Yes~~	~~+5 WD~~
~~NM03~~	~~D0148~~	~~J0219~~	~~Yes~~	~~+15 WD~~
~~HM05~~	~~D0170~~	~~J0028~~	~~Yes~~	~~+5 WD~~
~~NM04~~	~~D0170~~	~~J0028~~	~~Yes~~	~~+15 WD~~
~~NC02~~	~~D0170~~	~~J0028~~	~~No~~	~~+10 WD~~

~~D0148 = Notification of Change to Other Parties; D0170 = Request for Metering System Related Details~~

~~J0219 = Effective from Date; J0028 = Date Action Required By~~

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~~[CP1325 – diagram below deleted]~~

2.5 Expected Data from Suppliers

Suppliers will have to submit a file, monthly, known as a Data Provider Information (DPI) file, ±15 WD after the Reporting Period end for PARMS reporting to populate the PARMS database with a list of valid Agents for that reporting period. This file will be used to ensure all appropriate data from Agents has been received for completeness checking.

The file should be populated with all the Serials expected to be reported by a Supplier and their associated Supplier Agents. **A NHH Supplier should only include NHH Serials and a HH Supplier should only include HH Serials**. A Supplier who operates as both a NHH and HH Supplier should submit one file that contains all the NHH and HH Serials.

It does not matter in what order the DPI information is provided so long as the DPI contains all the required information. The format of the DPI file is detailed in BSCP533 Appendix A: 'PARMS Data Provider File Formats'.

A completeness notification will be sent from ELEXON to each Supplier at ±18 WD after the Reporting Period end to check current completeness. The process for data submission and verification is detailed in BSCP533 'PARMS Data Provision, Reporting and Publication of Peer Comparison Data'.

All data submissions will be by Email with the relevant PARMS files attached (the system will not process encrypted files or zipped files). Each Data Provider will be required to submit data via an official Email address recognised by the PARMS. **Each Data Provider can only have one Email address for submitting data** (a

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Supplier may use one Email address for each Supplier Id, as each Supplier Id will be a separate Data Provider); these will be confirmed with ELEXON on form F533/01 detailed within BSCP533 which must be authorised by a Director.

2.6 Serial SP01 – Delivery of Routine Performance Reports

All expected data from Suppliers that constitutes the Routine Performance Monitoring Report (whether submitted by the Supplier or the Supplier's Agent) must be received within ±20 WD after the end of the reporting period. Serial SP01 will be automatically generated by PARMS after the reporting window is closed and will record what data remains missing (completeness checking). **It is the responsibility of Suppliers to ensure that data is provided on time**.

Serials that Form SP01 Completeness Checking	
Serial	**Title**
SP04	Installation of HH Metering
SP11	Timely Appointment of Agents
SP12	Timely Notification of Changes of the Data Aggregator via D0148
SP13	Timely Notification of Changes of the Meter Operator Agent via D0148
SP14	Timely Notification of Changes of the Data Collector via D0148
SP15	Missing Appointments of Agents
HM11	Timely Sending of HH MTDs to HHDCs
HM12	Missing HH MTDs
HM13	Quality of HH MTDs
HM14	Timely HH Meter Investigation Requests
NM11	Timely Sending of NHH MTDs to NHHDCs
NM12	Missing NHH MTDs
NC11	Missing NHH Meter Reads & History from Old NHHDC to New NHHDC

2.7 Serial SP02 – Delivery of Routine Performance Logs

Periodic checks will be made on PARMS data that has been submitted. These checks will take the form of a request for drill down data to Suppliers, to be provided within ±20 WD of request. Serial SP02 will record where data has not been received within the ±20 WD.

2.8 Data Validation

PARMS will carry out two stages of validation.

The first stage will verify that the files submitted meet the physical formats required (as currently defined in the PARMS TFF document and later as part of BSCP533).

The second stage of validation will ensure the data is from a recognised Email source as well as carrying out basic validation on the data enclosed and MDD.

Invalid data (due to incorrect fields) will result in the data file being rejected by PARMS and a log recorded of the Invalid data. A negative acknowledgement will be sent to the data provider.

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Suppliers will not receive a copy of positive or negative acknowledgements for files submitted by Supplier Agents but should use the completeness notification to ensure all the required data has been submitted. A Supplier may query any data pertaining to its performance as a Supplier, or the performance of its appointed Supplier Agents in accordance with the process detailed in BSCP533 PARMS Data Provision, Reporting and Publication of Peer Comparison Data.

Successfully loaded data will result in an acknowledgement being sent to the data provider Email address.

Suppliers will receive a second notification at +22 WD after the Reporting Period end showing what data has been received/is outstanding.

2.9 Supplier Validation

~~It is proposed that e~~Each Supplier will have +5 WD from the date of receipt of performance data within which to validate the information. PARMS will send a copy of any data relating to a Supplier's performance that is not submitted by the Supplier, this includes both Supplier Agent and SVAA data.

2.10 Use of Null

Where a Data Provider is submitting a null return the entry in the submission should follow the format as defined in the TFF document.

2.11 Resubmissions

Data may be resubmitted to correct a submission, for example after a request to do so by a Supplier who has discovered the information to be incorrect. **If it is necessary to resubmit data then the Data Provider should make a full resubmission of the Serial(s) that have been changed** in accordance with the file formats specified in BSCP533 Appendix A: 'PARMS Data Provider File Formats'.

If a Data Provider is a Supplier Agent they must ensure the Serial contains all the original data for all Suppliers that has not changed as well as the amended data for the Supplier that has. The process for submissions and resubmissions are detailed in BSCP533 'PARMS Data Provision, Reporting and Publication of Peer Comparison Data'.

2.12 Receipt and Sent dates

The document refers to a number of start and end events that are associated with the receipt and sending of data flows. In accordance with the approach taken in Party Service Line 100 'Generic Non Functional Requirements for Licensed Distribution System Operators and Party Agents' and the relevant BSCPs, wherever the Data Transfer Network is used for transfer then the receipt/send boundaries are measured using the date/timestamp that is inserted at the Gateway.

2.13 [CP1325]Not Used

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3 SERIALS

This section is organised according to who provides the data for the Serial (Data Provider). This means that some Serials will appear in both the Data Collectors and Meter Operators Agents section.

~~[CP1325]PARMS Serials are reported as t or t-1 Serials. For more information please see sections 2.2 and 2.3 of this appendix.~~

~~For more guidance on how to count Working Days (WD) please see BSCP533 section 1.8.2.~~

3.1 Supplier

3.1.1 SP04 – Installation of HH Metering

[CP1325]All 100kW Metering Systems must be installed with the appropriate Half Hourly (HH) Metering Equipment.

Suppliers have 3 months after a Metering System first becomes a 100kW Metering System in which to install an HH Meter (the SP04 exclusion period).

If the SP04 exclusion period passes without HH Metering being installed, the Metering System must be reported via the SP04 Serial.

A Metering System is a 100kW Metering System (and therefore requires an HH Metering System) where:

(a) The average of the maximum monthly electrical demands in the three months of highest maximum demand exceeds 100kW:

- in the previous twelve months; or
- in the period since the most recent Significant Change of Demand,

whichever is the shorter.

(b) A Supplier identifies a Metering System to have a maximum demand in excess of 100kW;

(c) Where the Profile of a Customer's electrical demand in relation to a Metering System implies an average of the maximum monthly electrical demands in the three months of highest maximum demand exceeding 100kW in:

- the previous twelve months; or
- the period since the most recent Significant Change of Demand,

whichever is the shorter.

Suppliers should only report the SP04 Serial where 100kW Metering Systems have not had HH Metering installed after the end of the SPO4 exclusion period.

If a HH Metering System no longer qualifies as a 100kW Metering System then it should not be reported via the SP04 Serial unless and until the criteria are subsequently met.

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Where a Supplier has no qualifying sites to report this Serial should be completed using nulls. The diagram below shows an example where an MSID should be submitted within a SP04 file.

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[CP1325 – diagram below inserted]

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SP04: Key Data

D0010 Meter Readings

The data contained in this flow would indicate whether the site should be regarded as 100kW.

OR

P0028 100kW Demand Report

Sent by a NHHDC following a site visit.

OR *Independently identified by the Supplier.*

D0268 Half Hourly Meter Technical Details

Half Hourly Meter Technical Details are issued to confirm HH metering has been installed.

	Scenario	Key Measurement Data
START EVENT	[CP1325]SP04 exclusion period has ended and MSID still qualifies as a 100kW Metering System (see section 3.1.1 above) and HH metering has not been installed.	[CP1325]Date MSID was identified as a 100kW Metering System.
END EVENT	Confirmation that HH meter has been installed via D0268. [CP1325]Or where a Metering System no longer qualifies as a 100kW Metering System (see section 3.1.1 above).	[CP1325]Effective from Settlement Date on D0268 (J1254). Or Supplier's internal monitoring..

The table on the following page shows the application of this key data for determining the standards to report for this Serial.

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~~[CP1325]~~

Example calculation of PARMS Submission for SP04

~~Key Data Table~~			~~PARMS Submissions (Reporting Period t=June 2003)~~			~~NOTES~~
~~Identification of 100kW site [CP1325]~~	~~HH Meter Installation Deadline~~	~~[CP1325]Effective from Settlement Date on D0268 (J1254)~~	~~Standard 1~~ ~~Aggregated Required Installed MSID Days in Month HH 100kW Site (June = 30 days)~~	~~Standard 2~~ ~~Aggregated Not Installed MSID Days in Month HH 100kW Site~~	~~Standard 3~~ ~~Percentage Not Installed MSID Days in Month HH 100kW Site~~	~~The data shown below is assumed to be for a single combination of GSP Group and Supplier.~~
~~28/02/03~~	~~28/05/03~~	~~10/06/03~~	~~30~~	~~10~~	~~33.3~~	~~This failure has followed on from the previous month – all of June should have been 'installed days', and should be included as it is a failure for this month as well.~~
~~05/03/03~~	~~05/06/03~~	~~20/06/03~~	~~30 – 5 = 25~~	~~15~~	~~60.0~~	~~Supplier has had up to 05/06/03 to install an HH meter. After this, there are 25 days remaining in the month where an HH meter should have been installed.~~

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~~12/03/03~~	~~12/06/03~~	~~23/05/03~~	~~0~~	~~0~~	~~0.0~~	~~End date is in May so has completed within 3 months.~~
~~24/03/03~~	~~24/06/03~~	~~30/06/03~~	~~30 – 24 = 6~~	~~6~~	~~100.0~~	
~~24/06/03~~	~~24/09/03~~	~~[CP1325]~~	~~0~~	~~0~~	~~0.0~~	~~A 100kW site has been identified, but deadline for action has not yet been reached.~~
~~[CP1325]15/04/03~~	~~15/07/03~~	~~-~~	~~-~~	~~-~~	~~-~~	~~A 100kW site was identified, but no longer qualifies.~~
~~**June 2003 SUBMISSION**~~			~~**30**~~	~~**10**~~	~~**10/30 = 33.3%**~~	
			~~**25**~~	~~**15**~~	~~**60.0%**~~	
			~~**6**~~	~~**6**~~	~~**100%**~~	

Key Data Table			PARMS Submissions (Reporting Period t=June 2003)			Notes
Identification of 100kW site	HH Meter Installation Deadline	Effective from Settlement Date on D0268 (J1254)	Standard 1 Aggregated Required Installed MSID-Days in Month HH 100kW Site (June = 30 days)	Standard 2 Aggregated Not Installed MSID-Days in Month HH 100kW Site	Standard 3 Percentage Not Installed MSID-Days in Month HH 100kW Site	The data shown below is assumed to be for a single combination of GSP Group and Supplier.
28/02/03	28/05/03	10/06/03	30	10	33.3	This failure has followed on from the previous month – all of June should have been 'installed days', and should be included as it is a failure for this month as well.
05/03/03	05/06/03	20/06/03	30 - 5 = 25	15	60.0	Supplier has had up to 05/06/03 to install an HH meter. After this, there are 25 days remaining in the month where an HH meter should have been installed.
12/03/03	12/06/03	23/05/03	0	0	0.0	End date is in May so has completed within 3 months.
24/03/03	24/06/03	30/06/03	30 – 24 = 6	6	100.0	

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24/06/03	24/09/03	-	0	0	0.0	A 100kW site has been identified, but deadline for action has not yet been reached.
15/04/03	15/07/03	-	-	-	-	A 100kW site was identified, but no longer qualifies.
June 2003 SUBMISSION			**30**	**10**	**10/30 = 33.3%**	
			25	**15**	**60.0%**	
			6	**6**	**100.0%**	

Note a Supplier will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the Supplier's data submission.

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3.2 Not Used

3.3 Data Collectors

3.3.1 SP11 – Timely Appointment of Agents~~SP05 – Retrospective Appointment of Agents~~

Role that Will Submit the Serial	Report On	Flow to be Used in the Calculation of the Serial Submission	Key Data Item(s)
HHDC	Supplier	D0155s received	J0219 (EFD DCA) in the D0155
NHHDC	Supplier	D0155s received	J0219 (EFD DCA) in the D0155

Purpose of the Serial

100% of Supplier Agents should be appointed prior to the agent start date. The information will be used to monitor the ability of Suppliers to submit notification of appointment to agents prior to the EFD of the appointment following either a Change of Supplier, or a Change of Agent.

Associated Risk

The risk that Suppliers do not appoint agents in a timely manner which may result in an agent rejecting Meter Technical Details, Meter readings being misinterpreted or not collected or default data entering Settlement.

Who Should Submit the Serial?

The Serial should be submitted by HHDCs and NHHDCs (for HHMOAs and NHHMOAs submissions see the Meter Operators Agent section). This section will only give details for Data Collector submissions.

Key Data Items

D0155: Notification of New Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant HHDCs and NHHDCs of their appointment with a given EFD.

What will be submitted?

- The total number of D0155s received within the Reporting Period;
- The total number of D0155s that were received on or after the EFD; and
- The total number of D0155s that were received after the EFD of the agent by reconciliation bands.

Data Collectors should submit for all D0155s received during the Reporting Period for which they are the agent and use the J0219 data item in the D0155 to check that the appointment has been received prior to their EFD.

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The expectation is that no D0155s should be received on or after the EFD. This Serial will not measure instances where no appointment flow is sent out at all. **It should include D0155s sent erroneously**.

SP11 Standards to be Submitted by HHDCs & NHHDCs	
Standard 1	Number of D0155s received within the reporting period
Standard 2	Number of D0155s not received before EFD within the period
Standard 3	Number of D0155s received between +1 WD and +16 WD from EFD (before SF)
Standard 4	Number of D0155s received between +17 WD and +39 WD from EFD (before R1)
Standard 5	Number of D0155s received between +40 WD and +84 WD from EFD (before R2)
Standard 6	Number of D0155s received between +85 WD and +154 WD from EFD (before R3)
Standard 7	Number of D0155s received between +155 WD and +292 WD from EFD (before RF)
Standard 8	Number of D0155s received later than +293 WD from EFD (after RF)

What will agents have to do to submit the data?

The Data Collector will interrogate its system to determine whether it has received any D0155s in the reporting period. The Data Collector will then have to check that the D0155 relates to a new registration i.e. there is no existing D0155 with the same registration details. For all those new registrations the Data Collector would compare the date received with the EFD contained in the J0219 data item and calculate the number of WDs in between the two.

Alternatively the Data Collector could take all D0155s received in the reporting period and compare the date received with the EFD contained in the J0219 data item and calculate the number of Working Days in between the two. Then the Data Collector could remove all excluded D0155s afterwards.

Submitting the Serial by GSP Group

HHDCs and NHHDCs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

Exclusions from Submissions

There are legitimate reasons why an updated D0155 can be sent out by the Supplier with the original EFD, such as any changes to contractual terms on the existing registration. If these were to be submitted against, they would unfairly affect performance, so need to be excluded.

Where a newly received D0155 has the same registration details as the previously held D0155, it should not be counted. **Exclude those instances where the Data**

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Collector EFD (J0219) and the effective from Settlement Date (J0049) and the Supplier ID are the same.

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SP11 – Timely Appointment of Agents

Data Provider: New HHDC

Key data Table			PARMS Submission (Reporting Period t= May 09)								Notes
Receipt date of D0155	EFD of HHDC (J0219) in D0155	+/- WD elapsed (receipt date – J0219)	Std 1 No of D0155s received within the period	Std 2 No of D0155s not received before EFD within the period	Std 3 No of D0155s received between +1WD and +16WD from EFD	Std 4 No of D0155s received between +17WD and +39WD from EFD	Std 5 No of D0155s received between +40WD and +84WD from EFD	Std 6 No of D0155s received between +85WD and +154WD from EFD	Std 7 No of D0155s received between +155WD and +292WD from EFD	Std 8 Number of D0155s received later than +293 WD from EFD	All data shown is assumed to be for a single combination of GSP Group and Supplier
03/05/2009	12/05/2009	-5	1	0	0	0	0	0	0	0	D0155 received -5WDs before EFD of HHDC
18/05/2009	18/05/2009	1	1	1	1	0	0	0	0	0	D0155 received +1WD after EFD of HHDC
25/05/2009	19/05/2009	4	1	1	1	0	0	0	0	0	
01/05/2009	20/04/2009	10	1	1	1	0	0	0	0	0	
11/05/2009	21/04/2009	14	1	1	1	0	0	0	0	0	
22/05/2009	01/04/2009	35	1	1	0	1	0	0	0	0	
13/05/2009	05/03/2008	300	1	1	0	0	0	0	0	1	

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	May 09 submission	**7**	**6**	**4**	**1**	**0**	**0**	**0**	**1**		

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission

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~~100% of Supplier Agents to be appointed prior to Agent Start Date. This serial should be measured at national level rather than GSP and therefore only one line of information needs to be submitted per Supplier.~~

~~Agents should report for all D0155s sent during the Reporting Period for which they are the Agent and use the Data Item J0219 to check that appointment has been received prior to their Start Date.~~

~~SP05: Key Data~~

~~D0155 Notification of New Meter Operator or Data Collector Appointment and Terms~~

~~The Supplier notifies the relevant HH and NHH DCs of their appointment with a given effective from date.~~

~~Example calculation of PARMS submission for SP05~~

~~Data Provider: New DC~~

~~Key Data Table~~			***~~PARMS Submissions (Reporting Period t=June 2003)~~***		***~~NOTES~~***
~~Receipt date of D0155~~	***~~Effective From Date DC~~*** *~~(J0219)~~*	***~~+/- WD elapsed~~*** *~~(Receipt date – (J0219)~~*	***~~Standard 1~~*** *~~Number of D0155 received after (J0219)~~*	***~~Standard 2~~*** *~~Average WD late for D0155 received after (J0219)~~*	
~~3/06/03~~	*~~12/06/03~~*	*~~-7~~*	*~~0~~*	*~~0~~*	*~~D0155 received -7 WD before Agent Appointment Date ((J0219))~~*
~~18/06/03~~	*~~18/06/03~~*	*~~0~~*	*~~0~~*	*~~0~~*	
~~25/06/03~~	*~~19/06/03~~*	*~~4~~*	*~~+1~~*	*~~4~~*	*~~D0155 received +5 WD after J0219~~*
~~27/06/03~~	*~~24/06/03~~*	*~~3~~*	*~~+1~~*	*~~3~~*	
~~June 2003 SUBMISSION~~			***~~2~~***	***~~(4+3)/2 = 3.5 WD~~***	

3.3.2 *SP12 - Timely Notification of Changes of the Data Aggregator via D0148~~SP06 – D0148 Flow from Suppliers~~*

Role that Will Submit the Serial	Report On	Reporting on Timeliness of Data for:	Flow to be Used in the Calculation of the Serial Submission	Key Data Item(s)
HHDC	Supplier	D0148s for HHDAs	D0148s received	J0334 (EFD DAA) in the D0148
NHHDC	Supplier	D0148s for NHHDAs	D0148s received	J0334 (EFD DAA) in the D0148

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Purpose of the Serial

In order for DCs to submit data into Settlement, they need to know who the DA is. If this information is not provided by Suppliers prior to the Effective Date of the DA's appointment, DCs will not submit Meter readings to the appointed DA, resulting in default values being entered into Settlement.

The information provided will be used to monitor the ability of Suppliers to inform DCs of the Data Aggregator in a timely manner.

Associated Risk

The risk that Suppliers do not inform associated Data Collectors in a timely manner of changes to the Data Aggregator in the Supplier hub resulting in default data entering Settlement.

Who Should Submit the Serial?

The Serial will be submitted by HHDCs and NHHDCs.

Key Data items

D0148: Notification of Change to other parties

Notification to MOA or DC of any changes to relevant agents' appointments and/or terminations for a Metering Point.

D0155: Notification of New Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant HHDCs, NHHDCs and MOAs of their appointment with a given EFD.

What will be submitted?

- The total number of D0148s received within the Reporting Period updating DA information;
- The total number of D0148s that were received on or after the EFD of the DA; and
- The total number of D0148s that were received after the EFD of the DA by reconciliation bands.

All D0148s received should be considered – **both for new appointments and Change of Agent activities**. There is a possibility that the same Metering System will be included twice in the same month after undergoing a Change of Supplier, followed by a Change of Agent. However, as both may have impacted Settlement they should both be included.

Suppliers may send separate D0148 data flows to Data Collectors informing them of the Data Aggregator and Meter Operator Agent appointments; conversely a Supplier may send a single D0148 data flow containing both the Meter Operator Agent and Data Aggregator appointments. Regardless of whether one or two flows are sent, the timeliness of the flows in relation to the Data Aggregator should be reported under this Serial.

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Note: If more than one D0148 is received with the same Data Aggregator in the same Reporting Period but with a different EFD the latest EFD should be used.

SP12 Standards to be Submitted by HHDCs & NHHDCs	
Standard 1	Number of D0148s received within the reporting period where DA information is updated
Standard 2	Number of D0148s not received before the EFD of the DA
Standard 3	Number of D0148s received between +1 WD and +16 WD from EFD (before SF) of the DA
Standard 4	Number of D0148s received between +17 WD and +39 WD from EFD (before R1) of the DA
Standard 5	Number of D0148s received between +40 WD and +84 WD from EFD (before R2) of the DA
Standard 6	Number of D0148s received between+ 85 WD and +154 WD from EFD (before R3) of the DA
Standard 7	Number of D0148s received between +155 WD and +292 WD from EFD (before RF) of the DA
Standard 8	Number of D0148s received later than +293 WD from EFD (after RF) of the DA

What will Data Collectors have to do to submit the data?

A Data Collector will interrogate its system to determine whether it has received any valid D0148s in the Reporting Period. If details of the Data Aggregator are included (both new or existing as per the J0459 Agent Status flag in the D0148) the Data Collector will compare the date the D0148 was received and the date contained in the J0334 Data Aggregator EFD data item and calculate the number of Working Days in between the two.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the corresponding D0155 will be needed, as the D0148 does not contain the GSP Group ID. HHDCs and NHHDCs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available (for example if the associated D0155 has not been sent before the D0148 is processed), then this should still be included but listed as GSP Group 'unknown'.

Exclusions from Submissions

HHDCs and NHHDCs should exclude any D0148s:

- That do not contain any Data Aggregator details; or
- Where the Data Aggregator ID (J0183), and the Data Aggregator EFD (J0334) and the Supplier's effective from Settlement Date (J0049) are the same as the previous D0148.

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SP12 - Timely Notification of Changes of the Data Aggregator via D0148

Data Provider: HHDC

Key Data Table			PARMS submission (Reporting Period t= May 09)								Notes
Receipt date of D0148	EFD of HHDA (J0334) in D0148	+/- WD elapsed (receipt date – J0334)	Std 1 No of D0148s received within the period	Std 2 No of D0148s not received before EFD within the period	Std 3 No of D0148s received between +1WD and +16WD from EFD	Std 4 No of D0148s received between +17WD and +39WD from EFD	Std 5 No of D0148s received between +40WD and +84WD from EFD	Std 6 No of D0148s received between +85WD and +154WD from EFD	Std 7 No of D0148s received between +155WD and +292WD after EFD	Std 8 Number of D0148s received later than +293 WD from EFD	All data shown is assumed to be for a single combination of GSP Group and Supplier
06/05/2009	08/05/2009	-2	1	0	0	0	0	0	0	0	D0148 received - +2WD before agent app. Date (J0334)
15/05/2009	15/05/2009	1	1	1	1	0	0	0	0	0	
12/05/2009	03/05/2009	6	1	1	1	0	0	0	0	0	
21/05/2009	07/04/2009	30	1	1	0	1	0	0	0	0	
29/05/2009	28/05/2009	2	1	1	1	0	0	0	0	0	
01/05/2009	21/01/2009	71	1	1	0	0	1	0	0	0	
28/05/2009	03/04/2008	291	1	1	0	0	0	0	1	0	
May 09 submission			**7**	**6**	**3**	**1**	**1**	**0**	**1**	**0**	

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission

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~~100% of D0148 (Notification of Change to other Parties) sent to DC in Hub on receipt of D0011 acceptance (due to CoS and/or CoA), and prior to Agent Effective From Date.~~

~~SP06: Key Data~~

~~D0148 Notification of Change to other Parties~~

~~*Supplier accepts terms and issues D0148 confirming appointment of DC and MOA.*~~

~~For any D0148, with the Agent status as 'N', received during the reporting period the Data Provider checks whether any of the Effective from Dates of Supplier, DA or MOA are after the receipt of the D0148. The Data Items are:~~

~~Data item J0210 (Effective from Date {MOA}) or J0334 (Effective from Settlement Date {DAA}~~

~~If receipt date is after any of the new Agent effective from dates, this counts as a failed event.~~

~~Data Provider: DC~~

~~Key Data Table~~			***~~PARMS Submissions (Reporting Period t=June 2003)~~***	***~~NOTES~~***
~~Receipt date of D0148~~	***~~Agent Appointment Date in D0148~~*** ~~*(J0210 or J0334)*~~	***~~+/- WD elapsed~~*** ~~*(Receipt Date – J0210 or J0334)*~~	***~~Standard 1~~*** ~~*Number of D0148s received after Appointment Date*~~	
~~*5/06/03*~~	~~*4/06/03*~~	~~*1*~~	~~*+1*~~	~~*Supplier has sent D0148 after appointment date*~~
~~*10/06/03*~~	~~*16/06/03*~~	~~*-4*~~	~~*0*~~	~~*D0148 received prior to appointment date*~~
~~June 2003 SUBMISSION~~			***~~1~~***	

3.3.3 *SP13 - Timely Notification of Changes of the Meter Operator Agent via D0148~~NC02 - NHHDC to NHHDC Meter Reads & History (t-1)~~*

Role that Will Submit the Serial	Report On	Reporting on Timeliness of Data for:	Flow to be Used in the Calculation of the Serial Submission	Key Data Item(s)
HHDC	Supplier	D0148s for HHMOAs	D0148s received	J0210 (EFD MOA) in the D0148
NHHDC	Supplier	D0148s for NHHMOAs	D0148s received	J0210 (EFD MOA) in the D0148

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Purpose of the Serial

Data Collectors need to know who the Meter Operator Agent is in the Supplier hub. If it is not informed, any Meter Technical Details that the Meter Operator Agent submits to the Data Collector will be rejected and therefore the Data Collector will submit default data to the Data Aggregator for inclusion in Settlement.

The information provided will be used to monitor the ability of Suppliers to inform all agents of the hub composition in a timely manner.

Associated Risk

The risk that Suppliers do not inform associated Data Collectors in a timely manner of changes to the Meter Operator Agent in the Supplier hub resulting in missing Meter Technical Details and Meter readings being misinterpreted or not collected.

Who should submit the Serial?

The Serial should be submitted by HHDCs and NHHDCs.

Key Data items

D0148: Notification of Change to other parties

Notification to MOA or DC of any changes to relevant agents' appointments and/or terminations for a Metering Point.

D0155: Notification of New Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant HHDCs, NHHDCs and MOAs of their appointment with a given EFD.

What will be submitted?

- The total number of D0148s received within the Reporting Period updating MOA information;
- The total number of D0148s that were received on or after the EFD of the MOA; and
- The total number of D0148s that were received after the EFD of the MOA by reconciliation bands.

All D0148s received should be considered – **both for new appointments and Change of Agent activities**. There is a possibility that the same Metering System will be included twice in the same month after undergoing Change of Supplier, followed by a Change of Agent. However, as both may have impacted Settlement they should both be included.

Suppliers may send separate D0148s data flows to Data Collectors informing them of the Data Aggregator and Meter Operator Agent appointments; conversely a Supplier may send a single D0148 data flow containing both the Meter Operator Agent and Data Aggregator appointments. Regardless of whether one or two flows are sent, the timeliness of the flows in relation to the Meter Operator Agent should be reported under this Serial.

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Note: If more than one D0148 is received with the same Meter Operator Agent in the same Reporting Period but with a different EFD the latest EFD should be used.

SP13 Standards to be Submitted by HHDCs & NHHDCs	
Standard 1	Number of D0148s received within the reporting period where DA information is updated
Standard 2	Number of D0148s not received before the EFD of the DA
Standard 3	Number of D0148s received between +1 WD and +16 WD from EFD (before SF) of the DA
Standard 4	Number of D0148s received between +17 WD and +39 WD from EFD (before R1) of the DA
Standard 5	Number of D0148s received between +40 WD and +84 WD from EFD (before R2) of the DA
Standard 6	Number of D0148s received between +85 WD and +154 WD from EFD (before R3) of the DA
Standard 7	Number of D0148s received between +155 WD and +292 WD from EFD (before RF) of the DA
Standard 8	Number of D0148s received later than +293 WD from EFD (after RF) of the DA

What will Data Collectors have to do to submit the data?

A Data Collector will interrogate its system to determine whether it had received any valid D0148s in the Reporting Period. If details of the Meter Operator Agent are included (both new or existing as per the J0459 Agent Status flag in the D0148) the Data Collector will compare the date the D0148 was received and the date contained in the J0210 Meter Operator Agent EFD data item and calculate the number of Working Days in between the two.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the corresponding D0155 will be needed, as the D0148 does not contain the GSP Group ID. HHDCs and NHHDCs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available (for example if the associated D0155 has not been sent before the D0148 is processed), then this should still be included but listed as GSP Group 'unknown'.

Exclusions from Submissions

HHDCs and NHHDCs should exclude any D0148s:

- That do not contain any Meter Operator Agent details; or
- Where the Meter Operator Agent ID (J0178), and the Meter Operator Agent EFD (J0210) and the Supplier's effective from Settlement Date (J0049) are the same as the previous D0148

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SP13 - Timely Notification of Changes of the Meter Operator Agent via D0148

Data Provider: HHDC

Key Data Table			PARMS submission (Reporting Period t= May 09)								Notes
Receipt date of D0148	EFD of MOA (J0210) in D0148	+/- WD elapsed (receipt date – J0210)	Std 1 No of D0148s received within the period	Std 2 No of D0148s not received before EFD within the period	Std 3 No of D0148s received between +1WD and +16WD from EFD	Std 4 No of D0148s received between +17WD and +39WD from EFD	Std 5 No of D0148s received between +40WD and +84WD from EFD	Std 6 No of D0148s received between +85WD and +154WD from EFD	Std 7 No of D0148s received between +155WD and +292WD after EFD	Std 8 Number of D0148s received later than +293 WD from EFD	All data shown is assumed to be for a single combination of GSP Group and Supplier
06/05/2009	08/05/2009	-2	1	0	0	0	0	0	0	0	D0148 received -2WD before agent app. Date (J0210)
15/05/2009	15/05/2009	1	1	1	1	0	0	0	0	0	
12/05/2009	03/05/2009	6	1	1	1	0	0	0	0	0	
21/05/2009	07/04/2009	30	1	1	0	1	0	0	0	0	
29/05/2009	28/05/2009	2	1	1	1	0	0	0	0	0	
01/05/2009	21/01/2009	71	1	1	0	0	1	0	0	0	
28/05/2009	03/04/2008	291	1	1	0	0	0	0	1	0	
May 09 submission			**7**	**6**	**3**	**1**	**1**	**0**	**1**	**0**	

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission

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~~100% of D0010 and D0152 files sent to incoming NHHDC by +5 working days of DC Effective From date; OR by +8 working days of Supplier Start Date in the case of Change of Supplier. The Requested Action Code (J0007) within the D0170 will be populated with '07'. In the case of a CoS the NHHDC is reporting on behalf of the outgoing Supplier.~~

~~If the Date Action Required by in the D0170 is greater than +10 WD after the end of the period t-1 then the D0170 should not be counted[CP1325].~~

~~NC02: Key Data~~

~~D0170 Request for Metering System Related Details~~

~~New NHHDC or (if relevant) new Supplier requests Metering System Related Details from old NHHDC, following an isolated Change of Agent or as a consequence of a Change of Supplier.~~

~~D0010 Meter Readings~~

~~Readings provided by old NHHDC to new NHHDC.~~

~~D0152 Metering System EAC/AA Historical Data~~

~~Historical EAC/AA Data provided to new NHHDC by old NHHDC.~~

	~~**Scenario**~~	~~**Key Measurement Data**~~
~~START EVENT~~	~~Sending by new NHHDC of D0170 request to old Supplier (if change of DC only) or sending of D0170 by NHHDC (if CoS).~~	~~Date of receipt of D0170 by Old NHHDC~~
~~END EVENT~~	~~Sending of D0010 and D0152 by old NHHDC to new NHHDC by +5 WD of {DCA} OR by {REGI} +8 WD in case of CoS.~~	~~Sent date of D0010 and D0152 (whichever is later)~~

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Example calculation of PARMS Submission for NC02

Although Receipt of D0170 is the start event, the key data item required in the D0170 is the J0028, Date Action required by Data Item.

Data Provider: Old NHHDC

Key Data Table				***PARMS Submissions (Reporting Period t=June 2003)***		***NOTES***
Receipt Date of D0170 from DC or Supplier	***Date action required by (J0028) {REGI} or {DCA}***	***Sent Date of D0010 and D0152 (whichever is later)***	***+WD elapsed (Sent date of D0010 or D0152 (whichever is latest) – J0028)***	***Standard 1*** *Total no of requests in period*	***Standard 2*** *% Sent within Timescales*	
5/5/2003	*12/05/03*	*21/05/2003*	*7*	*+1*	*+1*	*Received due to CoS, therefore required timescale is SSD+8.*
16/05/03	*27/05/03*	*-*	*-*	*+1*		*The end event occurs sometime subsequent to the end of the reporting period so is [CP1325]only recorded as received..*
5/05/03	*13/05/03*	*20/05/03*	*6*	*+1*		*CoA only, therefore timescale is {DCA}+5 WD.*
30/05/03	*03/06/03*	*5/06/03*	*2*	*+1*	*+1*	
June 2003 SUBMISSION				***4***	***2/4=50%***	

3.3.4 *SP15 – Missing Appointments of Agents*[CP1325]**Not Used**

Role that Will Submit the Serial	Report On	Reporting on Timeliness of Data for:	Flow to be Used in the Calculation of the Serial Submission	Key Data Item(s)
HHDC	Supplier	Missing D0148s for HHDA and / or HHMOA	D0148s not received	J0219 (EFD DCA) in the D0155
NHHDC	Supplier	Missing D0148s for NHHDA and / or NHHMOA	D0148s not received	J0219 (EFD DCA) in the D0155

Purpose of the Serial

It is paramount that certain members of the hub know other agents so that information can be passed between agents.

Data Collectors need to know Data Aggregators & Meter Operator Agents.

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The information provided will be used to monitor the ability of Suppliers to inform Data Collectors of the hub composition in a timely manner.

Associated Risk

The risk that Suppliers do not inform associated agents of changes to the Supplier hub resulting in missing Meter Technical Details and Meter readings being misinterpreted or not collected.

Who should submit the Serial?

The Serial will be submitted by HHDCs and NHHDCs (for HHMOAs and NHHMOAs submissions see the Meter Operators Agent section). This section will only give details for Data Collector submissions.

Key Data items

D0148: Notification of Change to other parties

Supplier receives acceptance of appointment from agents and issues a D0148 confirming appointment to DC and MOA.

D0155: Notification of New Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant HHDCs, NHHDCs and MOAs of their appointment with a given EFD.

What will be submitted?

- The total number of live registrations;
- The Data Collector should submit the total number of missing D0148s until it knows both the Data Aggregator and Meter Operator Agent in the 'Supplier hub' by reconciliation bands.

HHDCs and NHHDCs should consider an appointment to be 'missing' a D0148(s) until it is informed (via D0148(s)) of **both the Data Aggregator and Meter Operator Agent**. This should continue to be reported as a **single** instance against the Serial regardless of whether one or both are missing.

Note: Once the full set of D0148s have been received this will be picked up by the Serials that measure the timeliness of notifications of appointments. Also this Serial will not measure where a change to another agent in the hub has been made and the other existing agents have not been informed.

SP15 Standards to be Submitted by HHDCs & NHHDCs	
Standard 1	Number of live registrations held in the previous 14 months to snapshot day
Standard 2	Number of registrations for which no D0148 is held.
Standard 3	Number of D0148s missing between +17 WD and +39 WD from EFD (after SF)
Standard 4	Number of D0148s missing between +40 WD and +84 WD from EFD (after R1)
Standard 5	Number of D0148s missing between +85 WD and +154 WD from EFD (after R2)

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Standard 6	Number of D0148s missing between +155 WD and +292 WD from EFD (after R3)
Standard 7	Number of D0148s missing after +293 WD from EFD (after RF)

Use of a Snapshot Day

In order to capture instances where D0148s are missing, a snapshot day will need to be taken. On this day, HHDCs and NHHDCs must examine their entire portfolio of appointments to determine where they are yet to receive one or more D0148s for any live registrations they have held within the previous 14 months.

The snapshot day must be taken after the end of the Reporting Period and before the submission deadline (+20WDs). It is recommended to do this at least +5 WD after the end of the Reporting Period to allow for contract runs to occur. A snapshot can be taken at any time, but for consistency it is recommended it is done on the same day each month. It is therefore advised that a snapshot day occurs between +5 and +15 WD after the end of the Reporting Period to ensure accurate data is submitted within the deadlines.

From the snapshot data, HHDCs and NHHDCs shall report the entire number of live registrations that have been held in the previous 14 months. The rules regarding live appointments are provided in Section 2.1.1. Agents will also report the number of registrations for which they have never received a D0148 (or only received a D0148 detailing the identity of one of the Data Aggregator or Meter Operator Agent). This should be split into the Settlement Runs based on the timetable set out above, and where the Data Collector's EFD has passed these runs.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. HHDCs and NHHDCs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

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SP15 – Missing Appointments of Agents

Data Provider: NHHDC – Check table work for NHHDC

Key data Table			PARMS submission (Reporting Period t= May 09)							Notes
EFD of NHHDC (J0219) in D0155	Receipt date of complete D0148	+ / - WD Missing	Std 1 No of live reg by Supplier	Std 2 No of live reg missing D0148	Std 3 No of live reg missing D0148 between +17WD and +39WD from EFD (after SF)	Std 4 No of live reg missing D0148 between +40WD and +84WD from EFD (after R1)	Std 5 No of live reg missing D0148 between+ 85WD and +154WD from EFD (after R2)	Std 6 No of live reg missing D0148 between +155WD and +292WD from EFD (after R3)	Std 7 No of live reg missing D0148 after +293WD from EFD (after RF)	All data shown is assumed to be for a single combination of GSP Group and Supplier
03/05/2008	12/05/2008	5	1	0	0	0	0	0	0	This will be included in standard 1 as all D0148s have been received and the agent has a live registration. In this example, as the D0148 data flow was a few days late, this will be captured in SP12 & SP13.
12/04/2009	-	(32)	1	1	1	0	0	0	0	The complete set of D0148s has not been received
11/11/2008	-	(137)	1	1	0	0	1	0	0	The complete set of D0148s has not been received
03/04/2008	28/05/2009	291	1	0	0	0	0	0	0	While this failure to submit the D0148 in time for RF is not submitted for this Serial, it will have been picked up SP12 & SP13.
10/03/2008	-	(308)	1	1	0	0	0	0	1	The complete set of D0148s has not been received
17/03/2009	02/06/2009	(50)	1	1	0	1	0	0	0	Included as missing, as D0148 received after end of Reporting Period (May 2009). Would also be captured in the June 09 timeliness Serials SP12 & SP13.
May 09 submission			**7**	**4**	**1**	**1**	**1**	**0**	**1**	-

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Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission

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3.3.5 *HM11 - Timely Sending of HH MTDs to HHDCs*~~[CP1325]Not Used~~

Role that Will Submit the Serial	Report On	Flow to be Used in the Calculation of the Serial Submission	Key Data Item(s)
HHDC	HHMOA sending D0268	D0268s received	J1254 (MSMTD EFD) in the D0268

Purpose of the Serial

100% of MTDs should be received by HHDCs by +5WD of the D0268 EFD (J1254) following a change to or of the Metering System."

This Serial measures HHMOAs sending Half Hourly MTDs to HHDCs in a timely manner, following a change to or of the Metering System. A change to or of the Metering System is to be considered as when one or more key fields (see below) in the MTDs changes for the same Metering System.

This Serial only relates to Meter changes where there is no associated Change of Agent. The submission of MTDs following a Change of Agent is captured in HM12.

Note: **This Serial should not capture D0268s sent for new connections**.

Associated Risk

The risk that Meter Operator Agents do not inform Data Collectors in a timely manner of the HH MTDs resulting in Meter Readings being misinterpreted or not collected.

Who should submit the Serial?

The Serial measures the performance of HHMOAs at sending Half Hourly MTDs to HHDCs in a timely manner, following a change to, or of, the Metering System. As such, the HHDC will be submitting details related to the HHMOA.

Key Data Items

D0155: Notification of new Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant HHDCs, NHHDCs, HHMOAs and NHHMOAs of their appointment with a given effective from date.

D0268: Half Hourly Meter Technical Details

HH MTDs are transferred when there is a Change of Metering Equipment, configuration or Change of Agent.

Based on the list in BSCP514[2] section 8.2 and information contained in the D0268 data flow, the following items are the key Meter Technical Details fields, one or more of which will have changed following a Meter exchange:

Key Fields:

[2] BSCP514 – SVA Meter Operations for Metering Systems Registered in SMRS

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- Outstation Id (J0428);
- Meter Id (Serial number) (J0004);
- Outstation number of channels (J0469);
- Measurement Quantity Id (J0103);
- Meter multiplier (J0475);
- Pulse multiplier (J0432);
- CT and / or VT Ratios (J0454 & J0455);
- Access to ME at Password Level 3 (J0470 – Outstation Password Level 1);
- Associated Meter Id (J0476) where there is a main and check Meter; and
- Meter CoP (J0418) on a Change of Code of Practice.

What will be submitted?

- The total number of D0268s received following a material change to the Metering System; and
- The total number of D0268s received after the MSMTD EFD by reconciliation bands.

The HHDC should submit all instances where it has received Half Hourly MTDs for a change to or of the Metering System (one or more key fields in D0268 changed) and compare the MSMTD EFD (J1254) with the received date of the D0268 and calculate the number of WDs between the two dates.

HM11 Standards to be Submitted by HHDCs	
Standard 1	Number of D0268s received following a Change of Metering Equipment, configuration within the reporting period
Standard 2	Number of D0268s received between +1 WD and +16 WD from MSMTD EFD (before SF)
Standard 3	Number of D0268s received between +17 WD and +39 WD from MSMTD EFD (before R1)
Standard 4	Number of D0268s received between +40 WD and +84 WD from MSMTD EFD (before R2)
Standard 5	Number of D0268s received between +85 WD and +154 WD from MSMTD EFD (before R3)
Standard 6	Number of D0268s received between +155 WD and +292 WD from MSMTD (before RF)
Standard 7	Number of D0268s received later than +293 WD from MSMTD EFD (after RF)

What will Half Hourly Data Collectors have to do to submit the data?

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The Half Hourly Data Collector will have to compare the MSMTD EFD (J1254) in any received D0268s within the reporting period with the date that the D0268 was received. The Half Hourly Data Collector will then have to compare the key fields in the D0268 in order to identify any MTDs that have been submitted following a Meter change or revised MTDs (not where a CoA event has occurred). Where any of these are different, the number of Working Days between the J1254 (in D0268) and the receipt date (of the D0268) will then need to be calculated.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. HHDCs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

Exclusions

Exclude those D0268s that are:

- Sent for new connections
- Sent for Change of Agent event

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HM11 - Timely Sending of HH MTDs to HHDCs

Data Provider: HHDC

Key Data Table			PARMS submission (Reporting Period t= May 09)							Notes
Receipt date of D0268	MSMTD EFD (J1254) in D0268	+/- WD elapsed (receipt date – J1254)	Std 1 No of D0268s received within the period following Meter update	Std 2 No of D0268s received between +1WD and +16WD from MSMTD EFD	Std 3 No of D0268s received between +17WD and +39WD from MSMTD EFD	Std 4 No of D0268s received between +40WD and +84WD from MSMTD EFD	Std 5 No of D0268s received between +85WD and +154WD from MSMTD EFD	Std 6 No of D0268s received between +155WD and +292WD from MSMTD EFD	Std 7 Number of D0268s received later than +293 WD from MSMTD EFD	- All data shown is assumed to be for a single combination of GSP Group and Supplier
08/05/2009	10/05/2009	-1	1	1	0	0	0	0	0	-
15/05/2009	15/05/2009	1	1	1	0	0	0	0	0	D0268 received +1WD late
03/05/2009	12/05/2009	6	1	1	0	0	0	0	0	-
07/04/2009	21/05/2009	30	1	0	1	0	0	0	0	-
28/05/2009	29/05/2009	2	1	1	0	0	0	0	0	-
21/01/2009	01/05/2009	71	1	0	0	1	0	0	0	-
03/04/2008	28/05/2009	291	1	0	0	0	0	1	0	-
May 09 submission			**7**	**4**	**1**	**1**	**0**	**1**	**0**	-

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission

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3.3.6 *HM12 – Missing HH MTDs~~[CP1325]Not Used~~*

Role that Will Submit the Serial	Report On	Flow to be Used in the Calculation of the Serial Submission	Key Data Item
Current HHDC	New HHMOA sending D0268	D0268s missing	J0210 (EFD MOA) in the D0148
New HHDC	Current HHMOA sending D0268	D0268s missing	J0219 (EFD DCA) in the D0155

Purpose of the Serial

100% of MTDs should be received by HHDCs by +15 WD of the agent's EFD following a Change of Agent.

The Serial measures the performance of HHMOAs sending MTDs **following a Change of Agent**.

Missing is to be considered as when a D0155/D0148 has been received, but there has been no associated D0268 received.

Note that these may have been sent late due to a late request for them or a late notification of other agents in the Supplier hub.

Associated Risk

The risk that missing Half Hourly MTDs result in Meter Readings being misinterpreted or not collected and the inability to issue Half Hourly MTDs to other agents.

Who should submit the Serial?

- Current HHDCs will report on all instances where MTDs are missing following a change of HHMOA; and
- The new HHDC will submit this Serial for D0155s received where the D0268 is missing after the EFD for the new HHDC.

Key Data items

D0148: Notification of Change to other parties

Supplier accepts the terms and issues a D0148 confirming appointment of DC and MOA.

D0155: Notification of new Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant HHDCs, NHHDCs, HHMOAs and NHHMOAs of their appointment with a given effective from date.

D0268: Half Hourly Meter Technical Details

HH MTDs are transferred when there is a change of equipment, configuration or Change of Agent.

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What will be submitted?

- The current HHDC should submit for all D0148s received where the D0268 is missing after the EFD of the new HHMOA. **This should only be where D0148s are received for a pre-existing appointment, not where a new D0155 has been received**; and
- The new HHDC should submit for all D0155s received where the D0268 is missing after the EFD for the new HHDC.

HHDCs should on a snapshot day, examine the total portfolio of live appointments that have been held in the previous 14 months and establish those for which MTDs have not been sent. For new agents, this will be based on D0155s received. Current HHDCs will also have to examine any D0148s received to see if this was due to a change of HHMOA, and report all instance of these as well.

Note: If a D0148/D0155 is sent erroneously (and therefore no subsequent D0268 is likely to be sent) instances where the associated D0268 are missing should still be reported until it is known to be an erroneous appointment. At which time it can be excluded from any future submissions.

HM12 Standards to be Submitted by HHDCs	
Standard 1	Number of live registrations held at any point in the previous 14 months to snapshot day
Standard 2	Number of registrations for which no D0268 is held
Standard 3	Number of D0268s missing between +17 WD and +39WD from EFD (after SF)
Standard 4	Number of D0268s missing between +40 WD and +84 WD from EFD (after R1)
Standard 5	Number of D0268s missing between +85 WD and +154 WD from EFD (after R2)
Standard 6	Number of D0268s missing between +155 WD and +292 WD after from EFD (after R3)
Standard 7	Number of D0268s missing after +293 WD from EFD (after RF)

What will Data Collectors have to do to submit the data?

In order to capture instances where D0268s are missing, and therefore are still affecting Settlement, as opposed to those which have not been received in a timely manner, agents must examine their entire portfolio of appointments to see which they have yet to receive a D0268 for.

Missing D0148s

For new HHDCs, if the corresponding D0148 has not been received, the Half Hourly Data Collector will not know who the Half Hourly Meter Operator Agent is and therefore who to expect the MTDs from. **If the D0148 has not been received the Half Hourly Meter Operator Agent should be reported as 'unknown' by the new Half Hourly Data Collector.**

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Use of a Snapshot Day

In order to capture instances where D0268s are missing, a snapshot day will need to be taken. On this day, HHDCs must examine their entire portfolio of appointments to determine where they are yet to receive a D0268 for any live registrations they have held within the previous 14 months.

The snapshot day must be taken after the end of the Reporting Period and before the submission deadline (+20WDs). It is recommended to do this at least +5 WD after the end of the Reporting Period to allow for contract runs to occur. A snapshot can be taken at any time, but for consistency it is recommended it is done on the same day each month. It is therefore advised that a snapshot day occurs between +5 and +15 WD after the end of the Reporting Period to ensure accurate data is submitted within the deadlines.

From the snapshot data, HHDCs shall report the entire number of live registrations that have been held in the previous 14 months. The rules regarding live appointments are provided in Section 2.1.1. Agents will also report the number of registrations for which they have never received a D0268. This should be split into the Settlement Runs based on the timetable set out above, and where the HHDCs EFD has passed these runs.

The snapshot should also take into account any live registrations that were held in the previous 14 months in order to capture any Metering Systems that have since changed agents, but the old agent still has not received a D0268.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. HHDCs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

Exclusions from Submissions

Where a D0155 received by the HHDC relates to a newly installed Metering System, this should be included unless a D0139 has been received informing the HHDC that the Metering System is de-energised.

- **If a D0155 has been received and the Metering System is registered as de-energised, then this should be excluded from the Serial.**

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HM12 – Missing HH MTDs

Data Provider: New HHDC reporting on the Existing HHMOA

Key data Table			PARMS submission (Reporting Period t= May 09)							Notes
HHDC EFD (J0219 in D0155)	Receipt date of complete D0268	+ / - WD Missing	Std 1 No of live reg by Supplier	Std 2 No of live reg missing D0268	Std 3 No of live reg missing D0268 between +17WD and +39WD from EFD (after SF)	Std 4 No of live reg missing D0268 between +40WD and +84WD from EFD (after R1)	Std 5 No of live reg missing D0268 between +85WD and +154WD from EFD (after R2)	Std 6 No of live reg missing D0268 between 155WD and +292WD from EFD (after R3)	Std 7 No of live reg missing D0268 after +293WD from EFD (after RF)	All data shown is assumed to for a single combination of C Group and Supplier
03/05/2009	12/05/2009	6	1	0	0	0	0	0	0	This will be included in stan 1 as whilst all D0268s have received the agent still has a registration.
12/04/2009	-	(32)	1	1	1	0	0	0	0	The complete set of D0268s not been received
11/11/2008	-	(137)	1	1	0	0	1	0	0	The complete set of D0268s not been received
03/04/2008	28/05/2009	291	1	0	0	0	0	0	0	While this failure to submit t D0268 in time for RF is not submitted reported for this S it will be picked up in the timeliness Serial, if the new HHMOA exchanges the Met following its appointment
10/03/2008	-	(308)	1	1	0	0	0	0	1	The complete set of D0268s not been received
17/03/2009	02/06/2009	(50)	1	1	0	1	0	0	0	Included as missing, as D0 received after end of Repor Period. Would also be captur June 09 timeliness of recei Serial.
May 09 submission			**6**	**4**	**1**	**1**	**1**	**0**	**1**	-

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Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission

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3.3.7 *HM13 - Quality of HH MTDs~~[CP1325]Not Used~~*

Role that Will Submit the Serial	Report On	Flow to be Used in the Calculation of the Serial Submission	Key Data Item
HHDC	HHMOA re-sending D0268	D0268s re-sent correcting information	J1254 (MSMTD EFD) in the D0268

Purpose of the Serial

This Serial assesses the quality of the Half Hourly MTDs that have been submitted, based on any that have needed to be resent with updated information in the key fields.

The Serial will measure how many times the HH MTDs were re-sent with the same MSMTD EFD where there has been a change in a key field of the D0268.

Associated Risk

The risk that the quality of the HH MTDs sent results in Meter Readings being misinterpreted or not collected and inability to issue HH MTDs to other agents

Who should report the Serial?

The Serial should be submitted by the HHDC on the quality of the HH MTDs sent by the HHMOA.

Note: This Serial will not record where invalid MTDs are sent multiple times with no key data fields changed, as these would not load into Half Hourly Data Collectors' systems. If this were to occur it is likely it will eventually lead to a D0001 being raised, and therefore will be reported under HM14.

Key Data Items

D0268: Half Hourly Meter Technical Details

HH MTDs are transferred when there is a change of equipment, configuration or CoA.

Based on the list in BSCP514 section 8.2 and information contained in the D0268 data flow the following items are the key MTD fields. This Serial should only report where there has been a change to one or more of the following and MTDs have been re-sent:

Key Fields:

- Outstation Id (J0428);
- Meter Id (Serial number) (J0004);
- Outstation number of channels (J0469);
- Measurement Quantity Id (J0103);
- Meter multiplier (J0475);
- Pulse multiplier (J0432);
- CT and / or VT Ratios (J0454 & J0455);

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- Access to ME at Password Level 3 (J0470 – Outstation Password Level 1);
- Associated Meter Id (J0476) where there is a main and check Meter; and
- Meter CoP (J0418) on a Change of Code of Practice.

What will be submitted?

- The total number of D0268s received within the period;
- The total number of D0268s that have been re-submitted with the same EFD and with a key data field change; and
- The total number of affected Metering Systems.

HM13 Standards to be submitted by HHDCs	
Standard 1	Total number of D0268s received within the reporting period
Standard 2	Total number of D0268s that are resubmissions with the same EFD and with a key data field change
Standard 3	Number of Metering Systems affected by re-sent MSMTD

What will Half Hourly Data Collectors have to do to submit the data?

The Half Hourly Data Collector will be required to interrogate its system to determine whether it had previously received any MTDs for the same Metering System with the same MSMTD EFD, but where one or more of the key fields had changed. Audit requirements mean that all data flows should be kept for a period of 24 months; therefore the relevant information should be recorded in agents' systems and could be referenced if errors dated back so far.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. HHDCs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

Exclusions from Submissions

- If the J1254 (MSMTD EFD) is different these instances should be excluded to allow for legitimate updates to MTDs.

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HM13 – Quality of HH MTDs

Data Provider: HHDC

Key Data Table			PARMS submission (Reporting Period t= May 09)			Notes
MSIDs	Receipt date of D0268	EFD (MSMTD) in D0268	Std 1 No of D0268s received within the period	Std 2 Number of previously received with same EFD and a key field change	Std 3 Number of Metering Systems affected by re-sent MSMTD	All data shown is assumed to be for a single combination of GSP Group and Supplier
2000000000011	06/05/2009	15/03/2009	1	1	~~1~~	Another Submission with different key data made in previous reporting period. Not included in Metering Systems count as a 3rd submission for this MSID received later in this Reporting Period
2000000000011	21/05/2009	15/03/2009	1	1	1	This is a repeat submission for this Metering System where there have been changes to key data
2000000000013	15/05/2009	10/05/2009	1	0	0	This is the first time MTD for this Metering System have been received
2000000000017	12/05/2009	28/09/2008	1	1	1	MTD previously received in earlier reporting period with changes to key data
2000000000016	29/05/2009	20/05/2008	1	0	0	MTD previously received with same EFD, but no changes to key data
May 09 submission			**5**	**3**	**2**	

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission

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3.3.8 *HM14 - Timely HH Meter Investigation Requests~~[CP1325]Not Used~~*

Role that Will Submit the Serial	Report On	Flow to be Used in the Calculation of the Serial Submission	Key Data Item (s)
HHDC	HHMOA sending D0002	D0002	J1012 (Date fault detected / suspected) & J0014 (Date of action) in D0002

Purpose of the Serial

The HHMOA should resolve 100% of D0001 (Request Metering System Investigation) flows within 15 Working Days. As an update made using a D0002 is no longer allowed all D0002 flows should be the resolution of the investigation.

Associated Risk

The risk that HHMOAs do not resolve Meter Investigation requests in a timely manner resulting in estimated data entering Settlement.

Who should submit the Serial?

The Serial should be submitted by the HHDC, on the HHMOAs ability to respond to D0001s in a timely manner.

Note: The Serial will not make a distinction on which Party has raised the D0001 (either the HHDC or Supplier) as it is measuring the timeliness of the HHMOA in sending the D0002 to the HHDC.

Key Data Items

D0002: Fault Resolution Report or Request for Decision on Further Action

Fault investigation has been carried out and a report on action taken is being made or request for a decision on next course of action.

What will be submitted?

The HHDC will compare the Date Fault Suspected/Detected (J1012) in the D0002 data flow and the Date the D0002 data flow was received by the HHDC.

- The total number of D0002s received in the Reporting Period; and
- Total number of D0002s received, spilt by reconciliation bands, based on the time elapsed since Date Fault Suspected/Detected.

HM14 Standards to submitted by HHDCs	
Standard 1	Number of D0002s received in Reporting Period
Standard 2	Number of D0002s received between +1 WD and +16 from the Date Fault Suspected/Detected (J1012) (before SF)
Standard 3	Number of D0002s received between +17 WD and +39 WD from the Date Fault Suspected/Detected (J1012) (before R1)
Standard 4	Number of D0002s received between +40 WD and +84 WD from the Date Fault Suspected/Detected (J1012) (before R2)

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Standard 5	Number of D0002s received between +85 WD and +154 WD from the Date Fault Suspected/Detected (J1012) (before R3)
Standard 6	Number of D0002s received between +155 WD and +292 WD from the Date Fault Suspected/Detected (J1012) (before RF)
Standard 7	Number of D0002s received after +293 WD from the Date Fault Suspected/Detected (J1012) (after RF)

What will Half Hourly Data Collectors have to do to submit the data?

The Half Hourly Data Collector is required to compare the D0002 received date with the Date Fault Suspected/Detected (J1012) in the D0002 and calculate the number of Working Days in between.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. HHDCs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown.'

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HM14 - Timely HH Meter Investigation Requests

Data Provider: HHDC

Key Data Table			PARMS submission (Reporting Period t= May 09)						
Receipt date of D0002	Date Fault Suspected/Detected (J1012) in D0002	+/- WD elapsed (receipt date of D0002 and J1012 in the D0002)	Std 1 Number of D0002s received in Reporting Period	Std 2 Number of D0002s received +1WD and +16WD from the Date Fault Suspected/Detected (J1012) (before SF)	Std 3 Number of D0002s received between +17WD and +39WD from the Date Fault Suspected/Detected (J1012) (before R1)	Std 4 Number of D0002s received received between +40WD and +84WD from the Date Fault Suspected/Detected (J1012) (before R2)	Std 5 Number of D0002s received between +85WD and +154WD from the Date Fault Suspected/Detected (J1012) (before R3)	Std 6 Number of D0002s received between +155WD and +292WD from the Date Fault Suspected/Detected (J1012) (before RF)	Std 7 Number of D0002s received after +293WD from the Date Fault Suspected/Detected (J1012) (after RF)
12/05/2009	03/05/2009	6	1	1	0	0	0	0	0
21/05/2009	07/04/2009	30	1	0	1	0	0	0	0
01/05/2009	21/01/2009	71	1	0	0	1	0	0	0
28/05/2009	03/04/2008	291	1	0	0	0	0	1	0
May 09 submission			**4**	**1**	**1**	**1**	**0**	**1**	**0**

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission.

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3.3.9 *NM11 - Timely Sending of NHH MTDs to NHHDCs* ~~*HM01 - HH Meter Faults: Time Taken to Resolve (t-1)*~~

Role that Will Submit the Serial	Report On	Flow to be Used in the Calculation of the Serial Submission	Key Data Item
NHHDC	NHHMOA sending D0150	D0150 sent	J1254 (MSMTD EFD) in the D0150

Purpose of the Serial

100% of MTDs should be received by NHHDCs by +10 WD of the D0150 EFD (J1254) following a change to or of the Metering System."

This Serial measures NHHMOAs sending Non Half Hourly MTDs to NHHDCs in a timely manner, following a change to or of the Metering System.

Note: **This Serial relates to Meter changes and does not capture a Change of Agent event** and the time it takes for the new agent to receive MTDs. The Change of Agent measure is captured in NM12.

Note: **This Serial should not capture D0150s sent for new connections.**

Associated Risk

The risk that Meter Operator Agents do not inform Data Collectors in a timely manner of the NHH MTDs resulting in Meter Readings being misinterpreted or not collected.

Who should submit the Serial?

NHHDCs should submit this Serial on NHHMOAs.

Key Data items

D0150: Non Half Hourly Meter Technical Details

Meter Technical Details for NHH Metering Systems.

D0155: Notification of new Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant HHDCs, NHHDCs, HHMOAs and NHHMOAs of their appointment with a given effective from date.

What will be submitted?

- The total number of D0150s received within the Reporting Period; and
- The total number of D0150s received after the MSMTD EFD by reconciliation bands.

NM11 Standards to be Submitted by NHHDCs	
Standard 1	Number of D0150s received within the reporting period

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Standard 2	Number of D0150s received between +1 WD and +16 WD from EFD (before SF)
Standard 3	Number of D0150s received between +17 WD and +39 WD from EFD (after SF)
Standard 4	Number of D0150s received between +40 WD and +84 WD from EFD (after R1)
Standard 5	Number of D0150s received between +85 WD and +154 WD from EFD (after R2)
Standard 6	Number of D0150s received between +155 WD and +292 WD from EFD (after R3)
Standard 7	Number of D0150s received later than +293 WD from EFD (after RF)

What will the Non Half Hourly Data Collector have to do to submit the data?

The Non Half Hourly Data Collector will have to compare the MSMTD EFD (J1254) in any received D0150s within the reporting period with the date that the D0150 was received. The Non Half Hourly Data Collector should compare all data items within the D0150 with those held in order to identify any MTDs that have been submitted following a Meter change or revised MTDs (not where a CoA event has occurred). Where any of these are different, the number of Working Days between the J1254 (in D0150) and the receipt date (of the D0150) will then need to be calculated.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. NHHDCs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

~~[CP1325]**Not Used**~~

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NM11 - Timely Sending of NHH MTDs to NHHDCs

Data Provider: NHHDC

Key Data Table			PARMS Submission (Reporting Period t = May 09)							Notes
Receipt Date of D0150	MSMTD EFD (J1254) in D0150	+/- WD elapsed (receipt date of D0150 – J1254 on D0150)	Std. 1 No of D0150s received within the period	Std. 2 No of D0150s received between +1WD and +16WD from EFD	Std. 3 No of D0150 received between +17WD and +39WD from EFD	Std. 4 No of D0150s received between +40WD and +84WD from EFD	Std. 5 No of D0150received between +85WD and +154WD from EFD	Std. 6 No of D0150 received between +155WD and +292WD from EFD	Std. 7 Number of D0150 received later than +293 WD from EFD	All data shown is assumed to be for a single combination of GSP Group and Supplier
06/05/2009	08/05/2009	-2	1	0	0	0	0	0	0	D0150 received -2WD before agent app. Date (J1254)
15/05/2009	15/05/2009	1	1	1	0	0	0	0	0	
12/05/2009	03/05/2009	6	1	1	0	0	0	0	0	
21/05/2009	07/04/2009	30	1	0	1	0	0	0	0	
29/05/2009	28/05/2009	2	1	1	0	0	0	0	0	
01/05/2009	21/01/2009	71	1	0	0	1	0	0	0	
28/05/2009	03/04/2008	291	1	0	0	0	0	1	0	
May 09 submission			**7**	**3**	**1**	**1**	**0**	**1**	**0**	

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission.

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~~The average number of working days to rectify material faults should not exceed +15 WD.~~

~~HM01: Key Data~~

~~D0001 Request Metering System Investigation~~

~~Flow issued to MOAs requesting investigation into suspected metering faults.~~

~~D0002 Fault Resolution Report or Request for Decision on Further Action~~

~~Flow issued by MOAs following fault investigation that reports on actions taken or requests a decision on the next course of action.~~

~~Alternatively a DC should be able to track where a fault has been rectified using its own tracking within systems.~~

	~~**Scenario**~~	~~**Key Measurement Data**~~
~~START EVENT~~	~~Issue of D0001 by HHDC to MOA giving notification of suspected fault.~~	~~Sent Date of D0001~~
~~END EVENT~~	~~Receipt of D0002 by HHDC from MOA reporting resolution of the issue or DC manual process for confirming fault is properly resolved.~~	~~J0014 Date of Action or HHDC confirmation.~~

~~In this case the DC must confirm when the D0002 that corrects the fault is issued, not an interim or holding D0002 response.~~

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Example calculation of PARMS Submission for HM01

Data Provider: HHDC

Key Data Table			***PARMS Submissions (Reporting Period t=May 2003, t-1 = April 2003)***				***NOTES***
Receipt Date of D0001	***Date of Action in D0002*** *(J0014) or other confirmation.*	***+WD elapsed*** *(J0014-D0001)*	***Standard 1*** *Total no. faults raised in month*	***Standard 2*** *No. faults resolved*	***Standard 3*** *No of faults pending resolution*	***Standard 4*** *Average number of WD for resolution*	
23/4/03	-	-	*+1*	*0*	*+1*	*0*	*No end event as yet and so is counted for this month as pending*
May 2003 SUBMISSION			***1***		***1***		

Key Data Table			***PARMS Submission (Reporting Period t=June 2003, t-1 = May 2003)***				***NOTES***
Receipt Date of D0001	***Date of Action in D0002*** *(J0014) or other confirmation.*	***+WD elapsed*** *(J0014-D0001)*	***Standard 1*** *Total no. faults raised in month*	***Standard 2*** *No. faults resolved*	***Standard 3*** *No of faults pending resolution*	***Standard 4*** *Average number of WD for resolution*	
23/04/03	*2/06/03*	*25*	*0*	*+1*	*-1*	*25*	*Resolution of fault raised in previous month and so reduces the pending total by 1*
13/05/03	*23/05/03*	*8*	*+1*	*+1*	*0*	*8*	
29/05/03	*2/07/03*	-	*+1*		*+1*		*The end event is outside the reporting month as so is regarded as pending for this month*
June 2003 SUBMISSION			***2***	***2***	***1-1+1=1***	***(25+8)/2=16.5***	*Pending total is still 1*

3.3.10 NM12 - Missing NHH MTDs[CP1325]Not Used

Role that Will Submit the Serial	Report On	Flow to be Used in the Calculation of the Serial Submission	Key Data Item
Current NHHDC	New NHHMOA sending D0150	D0150s missing	J0210 (EFD MOA) in the D0148

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New NHHDC	NHHMOA sending D0150	D0150 missing	J0219 (EFD DCA) in the D0155

Purpose of the Serial

100% of MTDs should be received by NHHDCs by +5WDs of the agent's EFD following a Change of Agent.

This Serial measures the performance of NHHMOAs sending MTDs on a Change of Agent

Missing is to be considered as when a D0155/D0148 (as applicable) has been received, but no associated D0150 received.

Note that these may have been sent late due to a late request for them or a late notification of other agents in the Supplier hub.

Associated Risk

The risk that missing NHH MTDs results in Meter Readings being misinterpreted or not collected and the inability to issue NHH MTDs to other agents.

Who should submit the Serial?

- The existing NHHDC will report on the new NHHMOA; and
- The new NHHDC will report on the NHHMOA

Key Data items

D0148: Notification of Change to other parties

Supplier accepts the terms and issues a D0148 confirming appointment of DC and MOA.

D0150: Non Half Hourly Meter Technical Details

Meter Technical Details for NHH Metering Systems

D0155: Notification of new Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant NHHDCs and NHHMOAs of their appointment with a given effective from date.

What will be submitted?

- The current NHHDC should report for all D0148s received where the D0150 is missing after the EFD of the new NHHMOA. **This should only be where D0148s are received for a pre-existing appointment, not where a new D0155 has been received**; and
- The new NHHDC should report for all D0155s received where the D0150 is missing after the EFD for the new NHHDC.

If a D0148/D0155 is sent erroneously (and therefore no subsequent D0150 is likely to be sent) instances where the associated D0150 are missing should still be reported until it is known to be an erroneous appointment. At which time it can be excluded from any future submissions.

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NM12 Standards to be submitted by NHHDCs	
Standard 1	Number of live registrations held at any point in the previous 14 months to snapshot day
Standard 2	Number of registrations for which no D0150 is held.
Standard 3	Number of D0150s missing between +17 WD and +39 WD from EFD (after SF)
Standard 4	Number of D0150s missing between +40 WD and +84 WD from EFD (after R1)
Standard 5	Number of D0150s missing between +85 WD and +154 WD from EFD (after R2)
Standard 6	Number of D0150s missing between +155 WD and +292 WD from EFD (after R3)
Standard 7	Number of D0150s missing after +293 WD from EFD (after RF)

What will Non Half Hourly Data Collectors have to do to submit the data?

Non Half Hourly Data Collectors will be required to, on a snapshot day, examine the total portfolio of live appointments that have been held in the previous 14 months and establish those for which MTDs have not been sent. For new agents, this will be based on D0155s received. Current NHHDCs will also have to examine any D0148s received to see if this was due to Change of Non Half Hourly Meter Operator Agent, and report all instance of these as well.

For all identified instances, the number of Working Days that the MTDs have been missing will need to be calculated and grouped according to the above timescales.

Missing D0148s

For new NHHDCs, if the corresponding D0148 has not been received, the Half Hourly Data Collector will not know who the Non Half Hourly Meter Operator Agent is and therefore who to expect the MTDs from. **If the D0148 has not been received the Non Half Hourly Meter Operator Agent should be reported as 'unknown' by the new Non Half Hourly Data Collector.**

Use of a Snapshot Day

In order to capture instances where D0150s are missing, a snapshot day will need to be taken. On this day, NHHDCs must examine their entire portfolio of appointments to determine where they are yet to receive one or more D0150s for any live registrations they have held within the previous 14 months.

For new agents, this should be based on D0155s received. Current NHHDCs should also examine any D0148s received to see if this was due to Change of NHHMOA, and report all instance of these as well.

The snapshot day must be taken after the end of the Reporting Period and before the submission deadline (+20WDs). It is recommended to do this at least +5 WD after the end of the Reporting Period to allow for contract runs to occur. A snapshot can be taken at any time, but for consistency it is recommended it is done on the same day each month. It is therefore advised that a snapshot day occurs between +5 and +15 WDs after the end of the Reporting Period to ensure accurate data is submitted within the deadlines.

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From the snapshot data, NHHDCs shall report the entire number of live registrations that have been held in the previous 14 months. The rules regarding live appointments are provided in Section 2.1.1. Agents will also report the number of registrations for which they have never received a D0150. This should be split into the Settlement Runs based on the timetable set out above, and where the NHHDCs EFD has passed these runs.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. NHHDCs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

Exclusions from Submissions

This Serial should exclude new connection events. For example, where a D0148 has been received with no previous agent information, these Metering Systems should be excluded from reporting

Unmetered Supply (UMS) Metering Systems should be excluded from reporting, as no MTDs will be required. However, the only way a NHHDC will know that its newly appointed Metering System is UMS is the receipt of the D0152 containing that information. Therefore, any D0155s that are not identified as being UMS should be included.

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NM12 - Missing NHH MTDs

Data Provider: New NHHDC submitting on the current NHHMOA

Key Data Table			PARMS submission (Reporting Period t= May 09)							Notes
New NHHDC EFD (J0219) in D0155	Receipt date of complete D0150	+ / - WD Missing	Std 1 No of live reg by Supplier	Std 2 No of live reg missing D0150	Std 3 No of live reg missing D0150 between +17WD and +39WD from EFD (after SF)	Std 4 No of live reg missing D0150 between +40WD and +84WD from EFD (after R1)	Std 5 No of live reg missing D0150 between +85WD and +154WD from EFD (after R2)	Std 6 No of live reg missing D0150 between +155WD and +292WD from EFD (after R3)	Std 7 No of live reg missing D0150 after +293WD from EFD (after RF)	All data shown is assumed to be for a single combination of GSP Group and Supplier
03/05/2009	12/05/2009	6	1	0	0	0	0	0	0	This will be included in Std 1 as whilst the D0150 have been received the agent has a live registration.
12/04/2009	-	(32)	1	1	1	0	0	0	0	The complete set of D0150s has not been received
11/11/2008	-	(137)	1	1	0	0	1	0	0	The complete set of D0150 has not been received
03/04/2008	28/05/2009	291	1	0	0	0	0	0	0	While this failure to submit the D0150 in time for RF is not submitted for this Serial, it will have been picked up in NM11
10/03/2008	-	(308)	1	1	0	0	0	0	1	The complete set of D0150s has not been received
17/03/2009	02/06/2009	(50)	1	1	0	1	0	0	0	Included as missing, as D0150 received after end of Reporting Period.
May 09 submission			**6**	**4**	**1**	**1**	**1**	**0**	**1**	-

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Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission.

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3.3.11 *NC11 - Missing NHH Meter Reads & History from Old NHHDC to New NHHDC~~[CP1325]Not Used~~*

Role that Will Submit the Serial	Report On	Flow to be Used in the Calculation of the Serial Submission	Key Data Item
New NHHDC	Old NHHDC sending D0010 & D0152	D0010 & D0152s missing	J0219 (EFD DCA) in the D0155

Purpose of the Serial

The new NHHDC should receive 100% of Meter Readings (D0010) and Meter Reads and History (D0152) from the outgoing (old) NHHDC within +15WDs of its appointment date.

Associated Risk

The risk that on a change of NHHDC the new NHHDC does not receive historic NHH Metered Data/final Meter Readings that are required to validate and process subsequent readings resulting in the use of default or old data in Settlement.

Who should submit the Serial?

The new NHHDC should this submit this Serial on the performance of the old NHHDC.

Key Data

D0010: Meter Readings

Cumulative readings and maximum demand readings provided by the old NHHDC to the new NHHDC.

D0148: Notification of Change to other parties

Notification to MOA or DC of any changes to relevant agents' appointments and/or terminations for a Metering Point.

D0152: Metering System EAC/AA Historical Data

The NHHDC sends historical details of the AA and EAC calculated by the NHHDC for a Metering System.

D0155: Notification of New Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant HHDCs, NHH DCs and MOAs of their appointment with a given effective from date.

What will be submitted?

- The total number of live registrations held; and
- The total number of D0155s received in the reporting period where the D0010 and D0152 data flows have not been received by reconciliation bands.

New NHHDCs should submit for all D0155s received during the Reporting Period for which they have been appointed and use their EFD (J0219 in D0155) to check that the D0010 and D0152 data flows have been received within +15WDs of its EFD.

The D0148 data flow should be taken into consideration to confirm the old NHHDC.

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Note: The request from the new NHHDC to the old NHHDC is triggered by the D0148 flow. If this flow is missing the history may not have been requested and therefore not sent.

Note: The latest data for receipt of the D0010 and D0152 will be used. If either the D0010 or D0152 is not received this will still be classed as missing until both flows are received.

Note: This Serial does not capture timeliness of sending D0010 and D0152s: The activity that this Serial measures can only be triggered by a Change of Agent scenario.

NC11 Standards to be Submitted by NHHDCs	
Standard 1	Number of live registrations held at any point in the previous 14 months to snapshot day
Standard 2	Number of registrations for which no D0010 and D0152 is held
Standard 3	Number of D0010 and D0152s missing between +17 WD and +39 WD from EFD (after SF)
Standard 4	Number of D0010 and D0152s missing between +40 WD and +84 WD from EFD (after R1)
Standard 5	Number of D0010 and D0152s missing between +85 WD and +154 WD from EFD (after R2)
Standard 6	Number of D0010 and D0152s missing between +155 WD and +292 WD from EFD (after R3)
Standard 7	Number of D0010 and D0152s missing after +293 WD from EFD (after RF)

What will the Non Half Hourly Data Collector have to do to submit the data?

In order to capture instances where the D0010 and D0152 data flows are missing, and therefore are still affecting Settlement, agents must examine their entire portfolio of appointments to identify where a D0155 has been received but no D0010 and D0152. The referencing of the D0148 would be required to ensure that new connections where there can be no historical readings available are not included. The agent should submit for all D0155s received during the Reporting Period for which they are the agent and use the Data Item J0219 as the incoming Non Half Hourly Data Collector to check that the D0010 and D0152 data flows have been received within +15WDs of its EFD.

Use of a Snapshot Day

In order to capture instances where D0010s and D0152s are missing, a snapshot day will need to be taken. On this day, NHHDCs must examine their entire portfolio of appointments to identify where a D0155 has been received but no D0010 and D0152 for any live registrations they have held within the previous 14 months.

The snapshot day must be taken after the end of the Reporting Period and before the submission deadline (+20WDs). It is recommended to do this at least +5 WD after the end of the Reporting Period to allow for contract runs to occur. A snapshot can be taken at any time, but for consistency it is recommended it is done on the same day each month. It is therefore advised that a snapshot day occurs between +5 and +15 WD after the end of the Reporting Period to ensure accurate data is submitted within the deadlines.

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From the snapshot data NHHDCs shall report the entire number of live registrations that have been held in the previous 14 months. The rules regarding live appointments are provided in Section 2.1.1. Agents will also report the number of registrations for which they have never received a D0010 and D0152. This should be split into the Settlement Runs based on the timetable set out above, and where the NHHDCs EFD has passed these runs.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. HHDCs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

Exclusions from Submissions

Unmetered Supply Metering Systems (UMS) should be excluded from reporting, as no MTDs will be required. NHHDCs will only know that its newly appointed Metering System is UMS if they have received an associated D0152 containing that information. Therefore, **any D0155s that are not identified as being UMS should be included.**

The D0148 should be checked to see if there is any previous agent information. If there is not then it will be a new connection with no historical reads and **should therefore be excluded**.

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NC11 - Missing NHH Meter Reads & History from Old NHHDC to New NHHDC

Data Provider: New HHDC

Key data table			PARMS Submission (Reporting Period t = May 09)							Notes
EFD of NHHDC appointment (J0219) in D0155	Receipt date of complete D0010/D0152	+/- WD missing	Std 1 No of live reg by Supplier	Std 2 No of live reg missing D0010 and D0152	Std 3 No of live reg missing D0010 and D0152 between +17WD and +39WD from EFD(after SF)	Std 4 No of live reg missing D0010 and D0152 between +40WD and +84WD from EFD (after R1)	Std 5 No of live reg missing D0010 and D0152 between +85WD and +154WD from EFD (after R2)	Std 6 No of live reg missing D0010 and D0152 between +155WD and +292WD from EFD (after R3)	Std 7 No of live reg missing D D0010 and D0152 after +293WD from EFD (after RF)	All data shown is assumed to be for a single combination of GSP Group and Supplier
03/05/2009	12/05/2009	6	1	0	0	0	0	0	0	
12/04/2009		(32)	1	1	1	0	0	0	0	The D0010 and D0152 has not been received
11/11/2008		(137)	1	1	0	0	1	0	0	The D0010 and D0152 has not been received
03/04/2008	29/05/2009	292	1	0	0	0	0	1	0	This will be submitted as missing for the R3 run but will not be submitted as missing for the RF as received before the cut-off date.
10/03/2008		(308)	1	1	0	0	0	0	1	The D0010 and D0152 has not been received
May 09 submission			**5**	**3**	**1**	**0**	**1**	**0**	**1**	

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission.

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3.3.12 ~~HM06 - Quality of D0268~~Not Used

~~HH Metering Equipment Technical Details should contain correct data, enabling successful proving of the relevant Metering System. If for example, an MOA is required to send a D0268 three times before a proving test is successful, the implication is that the data in the original file was not correct and it had to be revised and reissued twice. This Serial measures the number of D0268s received by the HHDC for the same MSID with the same Effective From Date, where the Sent Date of the D0268 lies within the reporting period.~~

~~NOTE: Data Providers should only check for D0268s resent for the same Effective From Date in the previous six months.~~

~~HM06: Key Data~~

~~D0268 Half Hourly Meter Technical Details~~

~~Half Hourly Meter Technical Details are transferred when there is a change in equipment, configuration or upon change in Agent.~~

	~~**Scenario**~~	~~**Key Measurement Data**~~
~~BUSINESS EVENT~~	~~HH MOA issues METD to HHDC~~	~~Receipt date of D0268~~

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~~***Example calculation of PARMS Submission for HM06***~~

~~***Data Provider: HHDC***~~

~~***Key Data Table***~~			~~***PARMS Submissions (Reporting Period t= June 2003)***~~		
~~***MSID***~~	~~***Receipt Date of D0268***~~	~~***METD Effective From Date***~~	~~***No. of MSIDs for which METD received***~~	~~***Times D0268 has been sent for same EFD***~~	~~***STANDARD***~~ ~~*Average number of METD sent per Metering System.*~~
~~*20000000000011*~~	~~*10/06/2003*~~	~~*29/05/2003*~~		~~*2nd*~~	~~*This is the second D0268 sent for this MSID. The first was sent in a previous reporting period (not loaded successfully).*~~
~~*20000000000013*~~	~~*15/06/2003*~~	~~*01/09/2003*~~	~~*1*~~	~~*1st*~~	~~*First D0268 (loaded successfully)*~~
~~*20000000000017*~~	~~*22/06/2003*~~	~~*30/06/2003*~~	~~*1*~~	~~*1st*~~	~~*First D0268 (loaded successfully)*~~
~~*20000000000011*~~	~~*26/06/2003*~~	~~*29/05/2003*~~		~~*3rd*~~	~~*This is the third D0268 sent for this MSID (not loaded successfully)*~~
~~*20000000000011*~~	~~*30/06/2003*~~	~~*29/05/2003*~~	~~*1*~~	~~*4th*~~	~~*This is the fourth D0268 sent for this MSID (loaded successfully)*~~
~~***June 2003 SUBMISSION***~~			~~***3***~~	~~***4+1+1=6***~~	~~***6/3 =2***~~

3.4 Meter Operator Agents

3.4.1 SP11 - Timely Appointment of Agents~~*SP05 – Retrospective Appointment of Agents*~~

Role that Will Submit the Serial	Report On	Flow to be Used in the Calculation of the Serial Submission	Key Data Item
HHMOA	Supplier	D0155s received	J0210 (EFD MOA) in the D0155
NHHMOA	Supplier	D0155s received	J0210 (EFD MOA) in the D0155

Purpose of the Serial

100% of Supplier Agents should be appointed prior to the agent start date. The information will be used to monitor the ability of Suppliers to submit notification of appointment to agents prior to the EFD of the appointment following either a Change of Supplier, or a Change of Agent.

Associated Risk

The risk that Suppliers do not appoint agents in a timely manner which may result in an agent rejecting Meter Technical Details, Meter readings being misinterpreted or not collected or default data entering Settlement.

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Who Should Submit the Serial?

The Serial will be submitted by HHMOAs and NHHMOAs (for HHDCs and NHHDCs submissions see the Data Collectors section). This section will only give details for Meter Operator Agent submissions.

Key Data Items

D0155: Notification of New Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant HHMOAs and NHHMOAs of their appointment with a given EFD.

What will be submitted?

- The total number of D0155s received within the Reporting Period;
- The total number of D0155s that were received on or after the EFD; and
- The total number of D0155s that were received after the EFD of the agent by reconciliation bands.

Meter Operator Agents should submit for all D0155s received during the Reporting Period for which they are the agent and use the J0210 data item in the D0155 to check that the appointment has been received prior to their EFD.

The expectation is that no D0155s should be received on or after the EFD. This Serial will not measure instances where no appointment flow is sent out at all. **It should include D0155s sent by mistake**.

SP11 Standards to be Submitted by HHMOAs & NHHMOAs	
Standard 1	Number of D0155s received within the reporting period
Standard 2	Number of D0155s not received before EFD within the period
Standard 3	Number of D0155s received between +1 WD and +16 WD from EFD (before SF)
Standard 4	Number of D0155s received between +17 WD and +39 WD from EFD (before R1)
Standard 5	Number of D0155s received between +40 WD and +84 WD from EFD (before R2)
Standard 6	Number of D0155s received between +85 WD and +154 WD from EFD (before R3)
Standard 7	Number of D0155s received between +155 WD and +292 WD from EFD (before RF)
Standard 8	Number of D0155s received later than +293 WD from EFD (after RF)

What will Meter Operator Agents have to do to submit the data?

Meter Operator Agents will interrogate its system to determine whether it has received any D0155s in the reporting period. The agent will then have to check that the D0155 relates to a new registration i.e. there is no existing D0155 with the same registration details. For all those new registrations the Meter Operator Agent would

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compare the date received with the EFD contained in J0210 data item and calculate the number of WDs in between the two.

Alternatively the Meter Operator Agent could take all D0155s received in the reporting period and compare the date received with the EFD contained in the J0219 J0210 data item and calculate the number of Working Days in between the two. Then the Meter Operator Agent could remove all excluded D0155s afterwards.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. HHMOAs and NHHMOAs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

Exclusions from Submissions

There are legitimate reasons why an updated D0155 can be sent out by the Supplier with the original EFD, such as any changes to contractual terms on the existing registration. If these were to be submitted against, they would unfairly affect performance, so need to be excluded.

Where a newly received D0155 has the same registration details as the previously held D0155, it should not be counted. **Exclude those instances where the Data Collector EFD (J0219) and the effective from Settlement Date (J0049) and the Supplier ID are the same**.

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SP11 - Timely Appointment of Agents

Data Provider: New HHMOA

Key data Table			PARMS submission (Reporting Period t= May 09)								Notes
Receipt date of D0155	EFD of HHMOA (J0210) in D0155	+/- WD elapsed (receipt date – J0210)	Std 1 No of D0155s received within the period	Std 2 No of D0155s not received before EFD within the period	Std 3 No of D0155s received between +1WD and +16WD from EFD	Std 4 No of D0155s received between +17WD and +39WD from EFD	Std 5 No of D0155s received between +40WD and +84WD from EFD	Std 6 No of D0155s received between +85WD and +154WD from EFD	Std 7 No of D0155s received between +155WD and +292WD from EFD	Std 8 Number of D0155s received later than +293 WD from EFD	All data shown is assumed to be for a single combination of GSP Group and Supplier
03/05/2009	12/05/2009	-5	1	0	0	0	0	0	0	0	D0155 received -5WDs before EFD of HHDC
18/05/2009	18/05/2009	1	1	1	1	0	0	0	0	0	
25/05/2009	19/05/2009	5	1	1	1	0	0	0	0	0	
01/05/2009	20/04/2009	10	1	1	1	0	0	0	0	0	
11/05/2009	21/04/2009	14	1	1	1	0	0	0	0	0	
22/05/2009	01/04/2009	35	1	1	0	1	0	0	0	0	
13/05/2009	05/03/2008	300	1	1	0	0	0	0	0	1	

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	May 09 submission	**7**	**6**	**4**	**1**	**0**	**0**	**0**	**1**	

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission.

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~~100% of Supplier Agents to be appointed prior to Agent Start Date. This serial should be measured at national level rather than GSP and therefore only one line of information needs to be submitted per Supplier.~~

~~Agents should report for all D0155s sent during the Reporting Period for which they are the Agent and use the Data Item J0210 to check that appointment has been received prior to their Start Date.~~

~~SP05: Key Data~~

~~D0155 Notification of New Meter Operator or Data Collector Appointment and Terms~~

~~The Supplier notifies the relevant HH and NHH MOAs of their appointment with a given effective from date.~~

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~~Example calculation of PARMS submission for SP05~~

~~Data Provider: New MOA~~

~~Key Data Table~~			***~~PARMS Submissions (Reporting Period t=June 2003)~~***		***~~NOTES~~***
~~Receipt date of D0155~~	***~~Effective From Date MOA~~*** *~~{J0210}~~*	***~~+/- WD elapsed~~*** *~~(Receipt date – {J0210}~~*	***~~Standard 1~~*** *~~Number of D0155 received after {J0210}~~*	***~~Standard 2~~*** *~~Average WD late for D0155 received after {J0210}~~*	
~~3/06/03~~	*~~12/06/03~~*	*~~-7~~*	*~~0~~*	*~~0~~*	*~~D0155 received -7 WD before Agent Appointment Date ({J0210})~~*
~~18/06/03~~	*~~18/06/03~~*	*~~0~~*	*~~0~~*	*~~0~~*	
~~25/06/03~~	*~~19/06/03~~*	*~~4~~*	*~~+1~~*	*~~4~~*	*~~D0155 received +5 WD after J0210~~*
~~27/06/03~~	*~~24/06/03~~*	*~~3~~*	*~~+1~~*	*~~3~~*	
~~June 2003 SUBMISSION~~			***~~2~~***	***~~(4+3)/2 = 3.5 WD~~***	

3.4.2 *SP14 - Timely Notification of Changes of the Data Collector via D0148~~SP06 – D0148 Flow from Suppliers~~*

Role that Will Submit the Serial	Report On	Reporting on Timeliness of Data for:	Flow to be Used in the Calculation of the Serial Submission	Key Data Item
HHMOA	Supplier	D0148s for HHDCs	D0148s received	J0219 (EFD DCA) in the D0148
NHHMOA	Supplier	D0148s for NHHDCs	D0148s received	J0219 (EFD DCA) in the D0148

Purpose of the Serial

Meter Operator Agents need to know who the Data Collector is in the Supplier hub. If it is not informed, it cannot submit Meter Technical Details to the Data Collector and therefore the Data Collector will submit default data to the Data Aggregator for inclusion in Settlement.

The information provided will be used to monitor the ability of Suppliers to inform Meter Operator Agents of the Data Collector in a timely manner.

Associated Risk

The risk that Suppliers do not inform associated Meter Operator Agents in a timely manner of changes to the Data Collector in the Supplier hub resulting in missing Meter Technical Details and Meter readings being misinterpreted or not collected.

Who should submit the Serial?

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The Serial should be submitted by HHMOAs and NHHMOAs.

Key Data items

D0148: Notification of Change to other parties

Notification to MOA or DC of any changes to relevant agents' appointments and/or terminations for a Metering Point.

D0155: Notification of New Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant HHDCs, NHHDCs and MOAs of their appointment with a given EFD.

What will be submitted?

- The total number of D0148s received within the Reporting Period updating DC information;
- The total number of D0148s that were received on or after the EFD of the DC; and
- The total number of D0148s that were received after the EFD of the DC by reconciliation bands.

All D0148s received should be considered – **both for new appointments and Change of Agent activities**. There is a possibility that the same Metering System will be included twice in the same month after undergoing Change of Supplier, followed by a Change of Agent. However, as both may have impacted Settlement they should both be included.

Note: If more than one D0148 is received with the same Data Collector in the same Reporting Period but with different EFD the latest date will be used.

Note: Suppliers sending a D0148 Change of Agent appointment flow before submitting a D0155 appointment flow may happen occasionally and most agents would not process the D0148 until they have been appointed[LJ4].

SP14 Standards to be submitted by HHMOAs & NHHMOAs	
Standard 1	Number of D0148s received within the reporting period where DC information is updated
Standard 2	Number of D0148s not received before the EFD of the DC
Standard 3	Number of D0148s received between +1 and +16 WD from EFD (before SF) of the DC
Standard 4	Number of D0148s received between +17 WD and +39 WD from EFD (before R1) of the DC
Standard 5	Number of D0148s received between +40 WD and +84 WD from EFD (before R2) of the DC
Standard 6	Number of D0148s received between+ 85 WD and +154 WD from EFD (before R3) of the DC
Standard 7	Number of D0148s received between +155 WD and +292 WD from EFD (before RF) of the DC
Standard 8	Number of D0148s received later than +293 WD from EFD (after RF) of the DC

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What will agent have to do to submit the data?

Meter Operator Agents will interrogate its system to determine whether it has received any valid D0148s in the Reporting Period. If details of the Data Collector are included (both new or existing as per the J0459 Agent Status flag in the D0148) the Meter Operator Agent will compare the date the D0148 was received and the date contained in the J0219 DC EFD data item and calculate the number of Working Days in between the two.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the corresponding D0155 will be needed, as the D0148 does not contain the GSP Group ID. HHMOAs and NHHMOAs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available (for example if the associated D0155 has not been sent before the D0148 is processed), then this should still be included but listed as GSP Group 'unknown'.

Exclusions from Submissions

HHMOAs and NHHMOAs should exclude any D0148s:

- That do not contain any Data Collector details; or
- Where Data Collector ID (J0205), and the Data Collector EFD (J0219) and the Supplier's effective from Settlement Date (J0049) are the same as the previous D0148.

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SP14 - Timely Notification of Changes to the Data Collector

Data Provider: HHMOA

Key Data Table			PARMS submission (Reporting Period t= May 09)								Notes
Receipt date of D0148	EFD of HHDC (J0219) in D0148	+/- WD elapsed (receipt date – J0219)	Std 1 No of D0148s received within the period	Std 2 No of D0148s not received before EFD within the period	Std 3 No of D0148s received between +1WD and +16WD from EFD	Std 4 No of D0148s received between +17WD and +39WD from EFD	Std 5 No of D0148s received between +40WD and +84WD from EFD	Std 6 No of D0148s received between +85WD and +154WD from EFD	Std 7 No of D0148s received between +155WD and +292WD after EFD	Std 8 Number of D0148s received later than +293 WD from EFD	- All data shown is assumed to be for a single combination of GSP Group and Supplier
06/05/2009	08/05/2009	-2	1	0	0	0	0	0	0	0	D0148 received -2WD before agent app. Date (J0219)
15/05/2009	15/05/2009	1	1	1	1	0	0	0	0	0	-
12/05/2009	03/05/2009	6	1	1	1	0	0	0	0	0	-
21/05/2009	07/04/2009	30	1	1	0	1	0	0	0	0	-
29/05/2009	28/05/2009	2	1	1	1	0	0	0	0	0	-
01/05/2009	21/01/2009	71	1	1	0	0	1	0	0	0	-
28/05/2009	03/04/2008	291	1	1	0	0	0	0	1	0	-
May 09 submission			**7**	**6**	**3**	**1**	**1**	**0**	**1**	**0**	-

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission.

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~~100% of D0148 (Notification of Change to other Parties) sent to MOA in Hub on receipt of D0011 acceptance (due to CoS and/or CoA), and prior to Agent Effective From Date.~~

~~SP06: Key Data~~

~~D0148 Notification of Change to other Parties~~

~~*Supplier accepts terms and issues D0148 confirming appointment of DC and MOA.*~~

~~For any D0148, with the Agent status as 'N', received during the reporting period the Data Provider checks whether any of the Effective from Dates of Supplier or DC are after the receipt of the D0148. The Data Items are:~~

~~Data item Data item J0219 (Effective from Date {DCA})~~

~~If receipt date is after any of the new Agent effective from dates (except DA), this counts as a failed event.~~

~~Data Provider: MOA~~

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~~Key Data Table~~			~~PARMS Submission (Reporting Period t=June 2003)~~	~~NOTES~~
~~Receipt date of D0148~~	~~Agent Appointment Date in D0148 (J0219)~~	~~+/- WD elapsed (Receipt Date – J0219)~~	~~Standard 1~~ ~~Number of D0148s received after Appointment Date~~	
~~5/06/03~~	~~4/06/03~~	~~1~~	~~+1~~	~~Supplier has sent D0148 after appointment date~~
~~10/06/03~~	~~16/06/03~~	~~-4~~	~~0~~	~~D0148 received prior to appointment date~~
~~June 2003 SUBMISSION~~			~~1~~	

3.4.3 SP15 – Missing Appointment of Agents~~NM03 – Provision of NHH METD to NHHDC (t-1)~~

Role that Will Submit the Serial	Report On	Reporting on Missing Data of:	Flow to be Used in the Calculation of the Serial Submission	Key Data Item
HHMOA	Supplier	Missing D0148s for HHDC	D0148s not received	J0210 (EFD) in the D0155
NHHMOA	Supplier	Missing D0148s for NHHDCs	D0148s not received	J0210 (EFD) in the D0155

Purpose of the Serial

It is paramount that certain members of the hub know other agents so that information can be passed between agents.

Meter Operator Agents need to know who the Data Collectors are.

The information provided will be used to monitor the ability of Suppliers to inform all agents of the hub composition in a timely manner.

Associated Risk

The risk that Suppliers do not inform associated agents of changes to the Supplier hub resulting in missing Meter Technical Details and Meter readings being misinterpreted or not collected.

Who should submit the Serial?

The Serial will be submitted by HHMOAs and NHHMOAs (for HHDCs and NHHDCs submissions see the Data Collectors section). This section will only give details for Meter Operator Agent submissions.

Key Data items

D0148: Notification of Change to other parties

Supplier receives acceptance of appointment from agents and issues a D0148 confirming appointment to DCs and MOAs.

D0155: Notification of New Meter Operator or Data Collector Appointment and Terms

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The Supplier notifies the relevant HHDCs, NHHDCs, HHMOAs and NHHMOAs of their appointment with a given EFD.

What will be submitted?

- The total number of live registrations;
- The Meter Operator Agent will submit the total number of missing D0148s until it holds and knows the Data Collector by reconciliation bands.

Meter Operator Agents have no requirement for the Supplier to inform them of the Data Aggregator, so **'missing' will simply be where a D0148, informing them of the identity of the DC, has not been received**.

Note: Once the relevant D0148 has been received this will be picked up by the Serials that measure the timeliness of notifications. Also this Serial will not measure where a change to another agent in the hub has been made and the other existing agents have not been informed.

SP15 Standards to be Submitted by HHMOAs & NHHMOAs	
Standard 1	Number of live registrations held in the previous 14 months to snapshot day
Standard 2	Number of registrations for which no D0148 is held.
Standard 3	Number of D0148s missing between +17 WD and +39 WD from EFD (after SF)
Standard 4	Number of D0148s missing between +40 WD and +84 WD from EFD (after R1)
Standard 5	Number of D0148s missing between +85 WD and +154 WD from EFD (after R2)
Standard 6	Number of D0148s missing between +155 WD and +292 WD from EFD (after R3)
Standard 7	Number of D0148s missing after +293 WD from EFD (after RF)

Use of a Snapshot Day

In order to capture instances where D0148s are missing a snapshot day will need to be taken. HHMOAs and NHHMOAs must examine their entire portfolio of appointments to see which they have yet to receive a D0148 for any Data Collector appointments.

A snapshot day must be taken after the end of the Reporting Period and before the +20 after the end of a Reporting Period (submission deadline). It is recommended to do this at least +5WD after the end of the Reporting Period to allow for contract runs to occur. A snapshot can be taken at any time, but is recommended to be taken the same day each month between +5 and +15WDs after the end of the Reporting Period to ensure accurate data is submitted within the submission deadlines.

From the snapshot data HHMOAs and NHHMOAs shall report the entire number of their live registrations, and also the number for which they have never received a D0148. This should be split into the Settlement Runs, and should be based on when the runs have occurred, and where the EFD has passed these runs.

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The snapshot should also take into account any live registrations that were held in the previous 14 months in order to capture any Metering Systems that have since changed agents, but the old agent still has not received a D0148 for that appointment.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. HHMOAs and NHHMOAs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

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SP15 – Missing Appointment of Agents

Data Provider: NHHMOA

Key data Table			PARMS submission (Reporting Period t= May 09)							Notes
EFD of NHHMOA (J0210) in D0155	Receipt date of complete D0148	+ / - WD Missing	Std 1 No of live reg by Supplier	Std 2 No of live reg missing D0148	Std 3 No of live reg missing D0148 between +17WD and +39WD from EFD (after SF)	Std 4 No of live reg missing D0148 between +40WD and +84WD from EFD (after R1)	Std 5 No of live reg missing D0148 between +85WD and +154WD from EFD (after R2)	Std 6 No of live reg missing D0148 between +155WD and +292WD from EFD (after R3)	Std 7 No of live reg missing D0148 after +293WD from EFD (after RF)	All data shown is assumed to be for a single combination of GSP Group and Supplier
03/05/2008	12/05/2008	5	1	0	0	0	0	0	0	This will be included in standard 1 as all D0148s have been received and the agent has a live registration. In this example, as the D0148 data flow was a few days late, this will be captured in SP14.
12/04/2009		(32)	1	1	1	0	0	0	0	The complete set of D0148s has not been received
11/11/2008		(137)	1	1	0	0	1	0	0	The complete set of D0148s has not been received
03/04/2008	28/05/2009	291	1	0	0	0	0	0	0	While this failure to submit the D0148 in time for RF is not submitted for this Serial, it will have been picked up SP14.
10/03/2008	-	(308)	1	1	0	0	0	0	1	The complete set of D0148s has not been

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										received
17/03/2009	02/06/2009		1	1	0	1	0	0	0	Included as missing, as D0148 received after end of Reporting Period (May 2009). Would also be captured in the June 09 timeliness Serial SP14.
May 09 submission			**7**	**4**	**1**	**1**	**1**	**0**	**1**	-

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards.
Note the last line of the table (in bold) would be the agents data submission

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~~100% to be dispatched to NHHDC by NHH MOA by +5 WD of required date for all start events of change of DC, concurrent change CoS/DC. This Serial relates to both energised and de-energised Metering Systems. Data item J0219 has the DC Effective from Date to trigger activities.~~

~~If the Effective From Date in the D0148 is greater than [CP1325]+15 WD after the end of the period t-1 then the D0148 should not be counted as it may lead to incorrect pending counts.~~

~~NM03: Key Data~~

~~D0148 Notification of Change to other Parties~~

~~NHH MOA receives D0148 from Supplier prompting sending of Metering System details.~~

~~D0150 Non Half Hourly Technical Details~~

~~Meter Technical Details for NHH Metering Systems~~

~~D0149 Notification of Mapping Details~~

~~Data flow issued by MOAs giving notice of mapping of physical meters to time pattern regimes.~~

	~~**Scenario**~~	~~**Key Measurement Data**~~
~~START EVENT~~	~~NHH MOA receives D0148 from Supplier prompting sending of Metering System related details to NHHDC~~	~~Receipt of D0148~~
~~END EVENT~~	~~NHH MOA sends D0149/D0150 to NHHDC by +5 WD of Effective From Date.~~	~~Sent date of D0149/D0150.~~

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Example calculation of PARMS Submission for NM03

Data Provider: NHH MOA

Key Data Table				***PARMS Submissions (Reporting Period t=June 2003, t-1 = May 2003)***			***NOTES***
D0148 Receipt Date	***EFD for DC*** *(J0219)*	***Sent date of D0149/150***	***+/- WD elapsed*** *(Sent date – J0219)*	***Standard 1*** *No. of D0148 received*	***Standard 2*** *No. of responses pending*	***Standard 3*** *Percentage sent by +5 WD*	
20/05/03	*23/05/03*	*22/05/03*	*-1*	*+1*		✓	
[CP1325] 20/05/03	*10/06/03*	-	-	*+1*	*+1*		*Counted as pending for this month*
22/05/03	*27/06/03*	*27/06/03*	-				*Excluded as J0219> +15 WD after t-1*
June 2003 SUBMISSION				***2***	***1***	***1/2=50%***	

3.4.4 *HM12 - Missing HH MTDsNM04 – Provision of NHH METD to New NHHMO (t-1)*

Role that Will Submit the Serial	Report On	Flow to be Used in the Calculation of the Serial Submission	Key Data Item
New HHMOA	Old HHMOA sending D0268	D0268s missing	J0210 (EFD MOA) in the D0155

Purpose of the Serial

100% of MTDs should be received by HHMOAs by +15WDs of the agent's EFD following a Change of Agent.

The Serial measures the performance of HHMOAs sending MTDs **following a Change of Agent.**

Missing is to be considered as when a D0155 has been received, but there has been no associated D0268 received.

Note that these may have been sent late due to a late request for them or a late notification of other agents in the Supplier hub.

Associated Risk

The risk that missing Half Hourly MTDs result in Meter Readings being misinterpreted or not collected and the inability to issue Half Hourly MTDs to other agents.

Who should submit the Serial?

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The new MOA should submit this Serial on the old MOA.

Key Data items

D0148: Notification of Change to other parties

Supplier accepts the terms and issues a D0148 confirming appointment of DC and MOA.

D0155: Notification of new Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant HHDCs, NHHDCs, HHMOAs and NHHMOAs of their appointment with a given effective from date.

D0268: Half Hourly Meter Technical Details

HH MTDs are transferred when there is a change of equipment, configuration or Change of Agent.

What will be submitted?

- The new HHMOA should submit for all D0155s received where the D0268 is missing after the EFD for the new HHMOA.

The new HHMOAs should on a snapshot day, examine the total portfolio of live appointments that have been held in the previous 14 months and establish those for which MTDs have not been sent. This will be based on D0155s received.

Note: If a D0155 is sent erroneously (and therefore no subsequent D0268 is likely to be sent) instances where the associated D0268 are missing should still be reported until it is known to be an erroneous appointment. At which time it can be excluded from any future submissions

HM12 Standards to be Submitted by HHMOAs	
Standard 1	Number of live registrations held at any point in the previous 14 months to snapshot day
Standard 2	Number of registrations for which no D0268 is held
Standard 3	Number of D0268s missing between +17 WD and +39WD from EFD (after SF)
Standard 4	Number of D0268s missing between +40 WD and +84 WD from EFD (after R1)
Standard 5	Number of D0268s missing between +85 WD and +154 WD from EFD (after R2)
Standard 6	Number of D0268s missing between +155 WD and +292 WD after from EFD (after R3)
Standard 7	Number of D0268s missing after +293 WD from EFD (after RF)

What will Half Hourly Meter Operator Agents have to do to submit the data?

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In order to capture instances where D0268s are missing, and therefore are still affecting Settlement, as opposed to those which have not been received in a timely manner, agents must examine their entire portfolio of appointments to see which they have yet to receive a D0268 for.

Missing D0148s

For new HHMOAs, if the corresponding D0148 has not been received, the new HHMOA will not know who the old HHMOA is and therefore who to expect the MTDs from. **If the D0148 has not been received the old HHMOA should be reported as 'unknown' by the new HHMOA.**

Use of a Snapshot Day

In order to capture instances where D0268s are missing a snapshot day will need to be taken. New HHMOAs should examine their entire portfolio of appointments to see which they have yet to receive a D0268 for any live registrations.

A snapshot day must be taken after the end of the Reporting Period and before the +20 WD after the end of a Reporting Period (submission deadline). It is recommended to do this at least +5 WD after the end of the Reporting Period to allow for contract runs to occur. A snapshot can be taken at any time, but is recommended to be taken the same day each month between +5 and +15 WD after the end of the Reporting Period to ensure accurate data is submitted within the submission deadlines.

From the snapshot data new HHMOAs should report the entire number of their live registrations, and also the number for which they have never received a D0268. This should be split into the Settlement Runs, and will be based on when the runs have occurred, and where the EFD has passed these runs.

The snapshot should also take into account any live registrations that were held in the previous 14 months in order to capture any Metering Systems that have since changed agents, but the old agent still has not received a D0268.

Where a D0155 received by the new HHMOA relates to a newly installed Metering System, this should be included unless a D0139 has been received informing the new HHMOA that the Metering System is de-energised. If a D0155 has been received and the Metering System is registered as de-energised, then this should be excluded from the Serial.[LJ5]

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. New HHMOAs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

Exclusions from Submissions

- **If a D0155 has been received for a new connection this should be excluded.**

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HM12 - Missing HH MTDs

Data Provider: New HHMOA reporting on old HHMOA

Key data Table			PARMS submission (Reporting Period t= May 09)							Notes
New HHMOA EFD (J0210 in D0155)	Receipt date of complete D0268	+ / - WD Missing	Std 1 No of live reg by Supplier	Std 2 No of live reg missing D0268	Std 3 No of live reg missing D0268 between +17WD and +39WD from EFD (after SF)	Std 4 No of live reg missing D0268 between +40WD and +84WD from EFD (after R1)	Std 5 No of live reg missing D0268 between +85WD and +154WD from EFD (after R2)	Std 6 No of live reg missing D0268 between +155WD and +292WD from EFD (after R3)	Std 7 No of live reg missing D0268 after +293WD from EFD (after RF)	All data shown is assumed to be for a single combination of GSP Group and Supplier
03/05/2009	12/05/2009	6	1	0	0	0	0	0	0	This will be included in standard 1 as whilst all D0268s have been received the agent still has a live registration.
12/04/2009	-	(32)	1	1	1	0	0	0	0	The complete set of D0268s has not been received.
11/11/2008	-	(137)	1	1	0	0	1	0	0	The complete set of D0268s has not been received
03/04/2008	28/05/2009	(291)	1	0	0	0	0	0	0	While this failure to submit the D0268 in time for RF is not submitted for this Serial, it will be picked up in the Serial HM11, if the new HHMOA exchanges the Meter following its appointment
10/03/2008	-	(308)	1	1	0	0	0	0	1	The complete set of D0268s has not been received
17/03/2009	02/06/2009	(50)	1	1	0	1	0	0	0	Included as missing, as D0268 received after end of Reporting Period. Would also be captured in June 09 timeliness Serial HM11.
May 09 submission			**6**	**4**	**1**	**1**	**1**	**0**	**1**	-

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission.

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~~100% to be dispatched to incoming NHH MOA by +5 WD of required date for all start events. This Serial relates to both energised and de-energised Metering Systems. The Requested Action Code (J0007) within the D0170 will be populated with '06'. MOA uses the J0028 field to see where Action Required by.~~

~~If the Date Action Required by in the D0170 is greater than [CP1325]+15 WD after the end of the period t-1 then the D0170 should not be counted as it may lead to incorrect pending counts.~~

~~NM04: Key Data~~

~~D0170 Request for Metering System Related Details~~

~~New NHH MOA requests metering equipment details from NHH MOA or Supplier~~

~~D0150 Non Half Hourly Technical Details~~

~~Meter Technical Details for NHH Metering Systems~~

~~D0149 Notification of Mapping Details~~

~~Notification of mapping of physical registers to time pattern regimes~~

	~~Scenario~~	~~Key Measurement Data~~
~~START EVENT~~	~~Old NHH MOA receives D0170 from new NHH MOA or Supplier~~	~~Receipt of D0170~~
~~END EVENT~~	~~Old NHH MOA sends D0149/D0150 to new NHH MOA by +5 WD of Date Action Req'd by~~	~~Sent date of D0149/D0150.~~

~~Example calculation of PARMS Submission for NM04~~

~~Data Provider: Old NHH MOA~~

~~Key Data Table~~				~~PARMS Submissions (Reporting Period t=June 2003, t-1 = May 2003)~~			~~NOTES~~
~~D0170 Receipt Date~~	~~Date Action Req'd by (J0028)~~	~~Sent date of D0149/ D0150~~	~~+/- WD elapsed (Sent date – J0028)~~	~~Standard 1 No. of D0170 received~~	~~Standard 2 No. of responses pending~~	~~Standard 3 Percentage sent by +5 WD~~	
~~14/05/03~~	~~16/05/03~~	~~14/05/03~~	~~-2~~	~~+1~~		~~✓~~	
~~21/05/03~~	~~23/05/03~~	~~27/05/03~~	~~1~~	~~+1~~		~~✓~~	
~~29/05/03~~	~~30/05/03~~	~~-~~		~~+1~~	~~+1~~		~~Counted as pending for this month~~

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~~[CP1325]29/05/03~~	~~24/06/03~~	~~24/06/03~~	~~-~~				~~Excluded as J0028 is > +15 WD after t-1~~
~~**June 2003 SUBMISSION**~~				~~**3**~~	~~**1**~~	~~**2/3=66%**~~	

3.4.5 NM12 – Missing NHH MTDs~~HM04 – Provision of HH METD to HHDC (t-1)~~

Role that Will Submit the Serial	Report On	Flow to be Used in the Calculation of the Serial Submission	Key Data Item
New NHHMOA	Old NHHMOA sending D0150	D0150s missing	J0210 (EFD MOA) in the D0155

Purpose of the Serial

100% of MTDs should be received by NHHMOAs by +5 WD of their EFD following a Change of Agent.

This Serial measures the performance of NHHMOAs sending the MTDs on a Change of Agent.

Missing is to be considered as when a D0155/D0148 has been received, but no associated D0150 received.

Note that these may have been sent late due to a late request for them or a late notification of other agents in the Supplier hub.

Associated Risk

The risk that missing NHH MTDs results in Meter Readings being misinterpreted or not collected and the inability to issue NHH MTDs to other agents.

Who should submit the Serial?

- The new NHHMOA will report on the old NHHMOA.

Key Data items

D0148: Notification of Change to other parties

Supplier accepts the terms and issues a D0148 confirming appointment of DC and MOA.

D0150: Non Half Hourly Meter Technical Details

Meter Technical Details for NHH Metering Systems.

D0155: Notification of new Meter Operator or Data Collector Appointment and Terms

The Supplier notifies the relevant NHHDCs and NHHMOAs of their appointment with a given effective from date.

What will be submitted?

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- The new NHHMOA should report for all D0155s received where the D0150 is missing after the EFD for the new NHHMOA.

Note: If a D0155 has been sent erroneously (and therefore no subsequent D0150 is likely to be sent) instances where the associated D0150 are missing should still be reported until it is known to be an erroneous appointment. At which time it can be excluded from any future submissions.

NM12 Standards to be submitted by NHHMOAs	
Standard 1	Number of live registrations held at any point in the previous 14 months to snapshot day
Standard 2	Number of registrations for which no D0150 is held.
Standard 3	Number of D0150s missing between +17 WD and +39 WD from EFD (after SF)
Standard 4	Number of D0150s missing between +40 WD and +84 WD from EFD (after R1)
Standard 5	Number of D0150s missing between +85 WD and +154 WD from EFD (after R2)
Standard 6	Number of D0150s missing between +155 WD and +292 WD from EFD (after R3)
Standard 7	Number of D0150s missing after +293 WD from EFD (after RF)

What will Non Half Hourly Meter Operator Agents have to do to submit the data?

Non Half Hourly Meter Operator Agents will be required to, on a snapshot day, examine the total portfolio of live appointments that have been held in the previous 14 months and establish those for which MTDs have not been sent. This will be based on D0155s received.

For all identified instances, the number of Working Days that the MTDs have been missing will need to be calculated and grouped according to the above timescales.

Missing D0148s

For new NHHMOAs, if the corresponding D0148 has not been received, the new NHHMOA will not know who the old NHHMOA is and therefore who to expect the MTDs from. **If the D0148 has not been received the old NHHMOA should be reported as 'unknown' by the new NHHMOA.**

Use of a Snapshot Day

In order to capture instances where D0150s are missing a snapshot day will need to be taken. NHHMOAs must examine their entire portfolio of appointments to see which they have yet to receive a D0150 for any live registrations.

This should be based on D0155s received.

A snapshot day must be taken after the end of the Reporting Period and before the +20 WD after the end of a Reporting Period (submission deadline). It is recommended to do this at least +5WD after the end of the Reporting Period to allow for contract runs to occur. A snapshot can be taken at any time, but is recommended to be taken

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the same day each month between +5 and +15 WD after the end of the Reporting Period to ensure accurate data is submitted within the submission deadlines.

From the snapshot data NHHMOAs should report the entire number of their live registrations, and also the number for which they have never received a D0150. This should be split into the Settlement Runs, and will be based on when the runs have occurred, and where the EFD has passed these runs.

The snapshot should also take into account any live registrations that were held in the previous 14 months in order to capture any Metering Systems that have since changed agents, but the old agent still has not received a D0150.

Submitting the Serial by GSP Group

To be able to submit this Serial by GSP Group the D0155 will be needed. NHHMOAs should refer to the GSP Group ID (J0066) data item in the D0155 data flow. The GSP Group ID is a mandated entry in the D0155 data flow.

Where information on the GSP Group is not available, then this should still be included but listed as GSP Group 'unknown'.

Exclusions from Submissions

- **This Serial should exclude new connection events.**

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Key Data Table			PARMS submission (Reporting Period t= May 09)							Notes
New NHHMOA EFD (J0210 in D0155)	Receipt date of complete D0150	+ / - WD Missing	Std 1 No of live reg by Supplier	Std 2 No of live reg missing D0150	Std 3 No of live reg missing D0150 between +17WD and +39WD from EFD (after SF)	Std 4 No of live reg missing D0150 between +40WD and +84WD from EFD (after R1)	Std 5 No of live reg missing D0150 between +85WD and +154WD from EFD (after R2)	Std 6 No of live reg missing D0150 between +155WD and +292WD from EFD (after R3)	Std 7 No of live reg missing D0150 after +293WD from EFD (after RF)	All data shown is assumed to be for a single combination of GSP Group and Supplier
03/05/2009	12/05/2009	6	1	0	0	0	0	0	0	This will be included in Std 1 as whilst the D0150 have been received the agent has a live registration.
12/04/2009		(32)	1	1	1	0	0	0	0	The complete set of D0150s has not been received
11/11/2008		(137)	1	1	0	0	1	0	0	The complete set of D0150 has not been received
03/04/2008	28/05/2009	291	1	0	0	0	0	0	0	While this failure to submit the D0150 in time for RF is not submitted for this Serial, it will have been picked up in NM11
10/03/2008		(308)	1	1	0	0	0	0	1	The complete set of D0150s has not been received
17/03/2009	02/06/2009	(50)	1	1	0	1	0	0	0	Included as missing, as D0150 received after end of Reporting Period.

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May 09 Submission	**6**	**4**	**1**	**1**	**1**	**0**	**1**	

Note an agent will only submit data against the standards. The key data table has been included to demonstrate the items that the agent will use to calculate the standards. Note the last line of the table (in bold) would be the agents data submission

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~~95% of METDs to be received by DC by +5 WD of required date and 100% to be received by DC by +15 WD of all start events of change of DC, concurrent change CoS/DC. This Serial relates to both energised and de-energised Metering Systems. Data item J0219 in the D0148 gives details of EFD for DCA.~~

~~If the Effective From Date by in the D0148 is greater than +5 WD after the end of the period t-1 then the D0148 should not be counted as it may lead to incorrect pending counts.~~

~~HM04: Key Data~~

~~D0148 Notification of Change to Other Parties~~

~~Notification of New appointments or terminations of appointments of other parties to the relevant Supplier Agent~~

~~D0268 Half Hourly Meter Technical Details~~

~~Half Hourly Meter Technical Details are transferred when there is a change in equipment, configuration or upon change in Agent.~~

	~~Scenario~~	~~Key Measurement Data~~
~~START EVENT~~	~~HH MOA Receives ID of new HHDC from Supplier for new/re-configured metering system or on change of Measurement Class with concurrent change in HHDC or solely change of HHDC.~~	~~Receipt of D0148~~
~~END EVENT~~	~~Dispatch of corresponding D0268 by HH MOA to HHDC for corresponding MSID.~~	~~This may be interpreted as the "Sent Date" of the D0268 from the HH MOA to the HHDC.~~

~~Example calculation of PARMS Submission for HM04~~

~~Data Provider: HH MOA~~

~~Key Data Table~~				~~PARMS Submissions (Reporting Period t=June 2003, t-1 = May 2003)~~				~~NOTES~~
~~Receipt Date of D0148~~	~~HHDC Effective From Date (J0219)~~	~~Sent Date of D0268~~	~~Working Days Elapsed (D0268 Sent) – (J0219)~~	~~Standard 1 Total No. of Requests in Period~~	~~Standard 2 No. of responses Pending~~	~~Standard 3 Percentage Received in +5 WD~~	~~Standard 4 Percentage Received in +15 WD~~	
~~05/05/03~~	~~08/05/03~~	~~06/06/03~~	~~> +20 WD~~	~~+1~~				~~Received in month t-1. The Agent has failed the standard.~~
~~05/05/03~~	~~05/05/03~~	~~06/05/03~~	~~+1 WD~~	~~+1~~		~~✓~~	~~✓~~	~~Received in month t-1 on the day of the HHDC~~

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								~~effective from date. From the drill-down data it can be seen that the HH MOA has sent on the D0268 within +5 WD (and therefore also +15 WD).~~
~~05/05/03~~	~~07/05/03~~	~~05/05/03~~	~~-2 WD~~	~~+1~~		~~✓~~	~~✓~~	~~Received in month t-1 two days before the HHDC effective from date. The HH MOA has sent on the D0268 immediately – i.e. Days elapsed = -2 WDs, so include in the +5 WD (and therefore also +15 WD) percentages.~~
~~05/05/03~~	~~07/05/03~~	~~-~~	~~> +15 WD~~	~~+1~~	~~+1~~			~~If the end event has still not occurred then the event should be recorded as Pending.~~
~~05/05/03~~	~~12/05/03~~	~~26/05/03~~	~~+10 WD~~	~~+1~~			~~✓~~	
~~**June 2003 SUBMISSION**~~				~~**5**~~	~~**1**~~	~~**2/5 = 40%**~~	~~**3/5 = 60%**~~	

3.4.6 ~~*HM05 - Provision of HH METD to New HHMO (t-1)*~~*Not Used*

~~95% to be received by incoming HH MOA by +5 WD and 100% by +15 WD of required date on change of HH MOA. This Serial relates to both energised and de-energised Metering Systems. The Requested Action Code (J0007) within the D0170 will be populated with '06'. MOA uses the J0028 field to ascertain the Date Action Required by.~~

~~If the Date Action Required by in the D0170 is greater than +5 WD after the end of the period t-1 then the D0170 should not be counted as it may lead to incorrect pending counts.~~

~~***HM05: Key Data***~~

~~***D0170 Request for Metering System Related Details***~~

~~*New HH MOA requests Metering System Related Details from old HH MOA or Supplier, following an isolated Change of Agent or as a consequence of any other change.*~~

~~***D0268 Half Hourly Meter Technical Details***~~

~~*Half Hourly Meter Technical Details are transferred when there is a change in equipment, configuration or upon change in Agent.*~~

	~~**Scenario**~~	~~**Key Measurement Data**~~
~~START EVENT~~	~~Old HH MOA receives request for METD from new HH MOA~~	~~Receipt of D0170~~
~~END EVENT~~	~~Issue of D0268 to new HH MOA.~~	~~This may be interpreted as the "Sent Date" of the D0268 from the HH MOA.~~

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~~***Data Provider: Old HH MOA***~~

~~***Key Data Table***~~			~~***PARMS Submissions (Reporting Period t=June 2003, t-1 = May 2003)***~~				~~***NOTES***~~
~~***D0170 Receipt Date***~~	~~***Sent date of D0268***~~	~~***+WD elapsed (Sent date - Receipt Date)***~~	~~***Standard 1***~~ ~~*No. of D0170 received*~~	~~***Standard 2***~~ ~~*No. of responses pending*~~	~~***Standard 3***~~ ~~*Percentage sent by +5 WD*~~	~~***Standard 4***~~ ~~*Percentage sent by +15 WD*~~	
~~*30/05/03*~~	~~*12/06/03*~~	~~*9*~~	~~*+1*~~			~~✓~~	
~~*27/05/03*~~	~~*27/05/03*~~	~~*0*~~	~~*+1*~~		~~✓~~	~~✓~~	
~~*28/05/03*~~	~~-~~		~~*+1*~~	~~*+1*~~			~~*No end event as yet so counted as pending for this month*~~
~~***June 2003 SUBMISSION***~~			~~***3***~~	~~***1***~~	~~***1/3=33%***~~	~~***2/3=66%***~~	

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3.5 Supplier Meter Registration Agents (SMRA)

3.5.1 SP07 – SMRA & SVAA MSID Count – SMRA File

SMRAs are to send a monthly MSID count giving a Metering System count per settlement day per combination of GSP Group, Supplier, Data Aggregator, Aggregation Type and Energisation Status.

SMRAs already provide most of this information, it should be noted however that P99 requires this information to be submitted in the standard text file format. SMRAs should refer to BSCP533 Appendix A: PARMS Data Provider File Formats.

3.6 CDCA Reports

3.6.1 CM01 - CVA MOA Proving Tests

All Proving tests should be carried out successfully 8 WD prior to the Effective From Date (EFD) for the Metering System. The CDCA will send a report detailing the following information:

Standard 1 – Count of Metering Systems where Proving test was required

Standard 2 – Average number of WDs Proving test is outstanding after EFD

Standard 3 – Count of Proving Tests outstanding after EFD

3.6.2 CM02 - CVA MOA Fault Resolution

This Serial measures the timeliness of rectification of Meter Faults. The CDCA will send a report detailing the following information:

Standard 1 – Count of Metering Systems where faults have been notified

Standard 2 - Count of faults that have been notified

Standard 3 – Average number of WDs that faults are outstanding

Standard 4 – Average number of WDs to resolve faults

3.7 SVAA Reports

3.7.1 SP07 – SMRA & SVAA MSID Count – SVAA File

The SVAA will provide a monthly report detailing for each Supplier the number of Metering Systems (MSIDs) for each HH and NHH Data Aggregator by GSP Group, Settlement Date and Settlement Type.

3.7.2 SP08 – Energy and MSIDs on Actuals

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The SVAA will provide a report detailing the performance, HH and NHH, of each Supplier, where applicable, for each Settlement Date, for each Settlement Run type, for each GSP Group against the performance standards detailed in Annex S-1 of the Code. The Serial will contain details of:

- The percentage of energy settled on Actual Data/Annualised Advances
- The percentage of Metering Systems settled on Actual Data/Annualised Advances
- The total Energy attributable to that Supplier

3.7.3 SP09 – NHH Defaults

The SVAA will provide a report detailing the NHH performance of each Supplier, for each Settlement Date, for each Settlement Run type, for each GSP Group against the performance standards detailed in Annex S-1 of the Code. The Serial will contain details of:

- The percentage of NHH Metering Systems settling on a default Estimated Annual Consumption
- The total number of NHH Metering Systems settling on a default Estimated Annual Consumption

3.7.4 [CP1325]**Not Used**

3.7.5 TA01 – GSP Group Correction Factor

The SVAA will provide a monthly file detailing the number of Group Correction Factor queries raised during the Reporting Period.

3.7.6 TA02 – Annual Demand Ratio

The SVAA will provide a monthly file detailing the Annual Demand Ratio value for each Reporting Period.

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ANNEX A - LIST OF ~~P99~~ PARMS SERIALS

Type	Serial	Title	Measurement On	Data Provider(s)	Reporting Level	Supplier Validation Required
Trading Arrangements	TA01	GSP Group Correction Factor	Trading Arrangements	SVAA	GSP Group	No
Trading Arrangements	TA02	Annual Demand Ratio (ADR)	Trading Arrangements	SVAA	GSP Group	No
Agent	CM01	CVA MOA Proving Tests	CVA MOA	CDCA	National by CVA MOA	No
Agent	CM02	CVA MOA Fault Resolution	CVA MOA	CDCA	National by CVA MOA	No
Supplier	SP01	Delivery of Routine Performance Reports	Supplier	ELEXON (PARMS)	Supplier by GSP Group	No
Supplier	SP02	Delivery of Routine Performance Logs	Supplier	ELEXON (PARMS)	Supplier by GSP Group	No
Supplier	SP04	Installation of HH Metering	Supplier	Supplier	Supplier by GSP Group	No
Supplier	SP07	SMRA & SVAA MSID Count	Supplier	SVAA & SMRA	Supplier, DA, GSP Group, Run Type	No
Supplier	SP08	Energy and MSID on Actuals	Supplier	SVAA	Supplier, GSP Group, Run Type, HH/NHH	Yes
Supplier	SP09	NHH Details	Supplier	SVAA	Supplier, GSP Group, Run Type	Yes
Supplier	SP11	Timely Appointment of Agents	Supplier	HHDC, NHHDC, HHMOA, NHHMOA	Supplier and Agent by GSP Group	Yes

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Type	Serial	Title	Measurement On	Data Provider(s)	Reporting Level	Supplier Validation Required
Supplier	SP12	Timely Notification of Changes of the Data Aggregator via D0148	Supplier	HHDC, NHHDC	Supplier and Agent by GSP Group	Yes
Supplier	SP13	Timely Notification of Changes of the Meter Operator Agent via D0148	Supplier	HHDC, NHHDC	Supplier and Agent by GSP Group	Yes
Supplier	SP14	Timely Notification of Changes of the Data Collector via D0148	Supplier	HHMOA, NHHMOA	Supplier and Agent by GSP Group	Yes
Supplier	SP15	Missing Appointments of Agents	Supplier	HHDC, NHHDC, HHMOA, NHHMOA	Supplier and Agent by GSP Group	Yes
Supplier Agent	HM11	Timely Sending of HH MTDs to HHDCs	HHMOA	HHDC	HHMOA and Supplier by GSP Group	Yes
Supplier Agent	HM12	Missing HH MTDs	HHMOA	New HHMOA, current HHDC, new HHDC	HHMOA and Supplier by GSP Group	Yes
Supplier Agent	HM13	Quality of HH MTDs	HHMOA	HHDC	HHMOA and Supplier by GSP Group	Yes
Supplier Agent	HM14	Timely HH Meter Investigation Requests	HHMOA	HHDC	HHMOA and Supplier by GSP Group	Yes
Supplier Agent	NM11	Timely Sending of NHH MTDs to NHHDCs	NHHMOA	NHHDC	NHHMOA and Supplier by GSP Group	Yes
Supplier Agent	NM12	Missing NHH MTDs	NHHMOA	New NHHMOA, current NHHDC, new NHHDC	NHHMOA and Supplier by GSP Group	Yes
Supplier Agent	NC11	Missing NHH Meter Reads & History from Old NHHDC to New NHHDC	Old NHHDC	New NHHDC	Old NHHDC and Supplier by GSP Group	Yes

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~~Type~~	~~Serial~~	~~Titled~~	~~Measurement on~~	~~Data Provider~~	~~Reporting Level~~	~~Supplier Validation [CP1325] Required?~~
~~Trading Arrangements~~	~~TA01~~	~~GSP Group Correction Factor~~	~~Trading Arrangements~~	~~SVAA~~	~~GSP~~	~~No~~
	~~TA02~~	~~Annual Demand Ratio (ADR)~~		~~SVAA~~	~~GSP~~	~~No~~
~~Agent~~	~~CM01~~	~~CVA MOA Proving Tests~~	~~CVA MOA~~	~~CDCA~~	~~National by CVA MOA~~	~~No~~
~~Agent~~	~~CM02~~	~~CVA MOA Fault Resolution~~	~~CVA MOA~~	~~CDCA~~	~~National by CVA MOA~~	~~No~~
~~Supplier~~	~~SP05~~	~~Retrospective Appointment of Agents~~	~~Supplier~~	~~DCs and MOs (HH & NHH)~~	~~Supplier, Agent~~	~~Yes~~
	~~SP01~~	~~Delivery of routine performance reports~~	~~Supplier~~	~~ELEXON (PARMS)~~	~~Supplier by GSP~~	~~No~~
	~~SP02~~	~~Delivery of routine performance logs~~	~~Supplier~~	~~ELEXON (PARMS)~~	~~Supplier by GSP~~	~~No~~
	~~SP04~~	~~Installation of HH metering~~	~~Supplier~~	~~Supplier~~	~~Supplier by GSP~~	~~No~~
	~~SP06~~	~~D0148 flow from Suppliers~~	~~Supplier~~	~~DCs and Mos (HH & NHH)~~	~~Supplier, Agent, GSP Group~~	~~Yes~~
	~~SP07~~	~~SMRA & SVAA MSID Count~~	~~Supplier~~	~~SVAA & SMRA~~	~~Supplier, DA, GSP, Run Type~~	~~No~~
	~~SP08~~	~~Energy and MSID on Actuals~~	~~Supplier~~	~~SVAA~~	~~Supplier, GSP, Run Type, HH/NHH~~	~~Yes~~
	~~SP09~~	~~NHH Defaults~~	~~Supplier~~	~~SVAA~~	~~Supplier, GSP, Run Type~~	~~Yes~~
~~Agent~~	~~NC02~~	~~Inter hub data transfer DC to DC Meter reads & history~~	~~NHHDC~~	~~NHHDC (old)~~	~~NHHDC, Supplier – national~~	~~Yes~~
~~Agent~~	~~NM03~~	~~Provision of NHH METD to NHHDC~~	~~NHHMO~~	~~NHHMO~~	~~NHHMO, Supplier – national~~	~~Yes~~
~~Agent~~	~~NM04~~	~~Provision of NHH METD to new NHHMO~~	~~NHHMO~~	~~NHHMO (old)~~	~~NHHMO, Supplier – national~~	~~Yes~~
~~Agent~~	~~HM01~~	~~HH Meter Faults: Time taken to resolve~~	~~NHHMO~~	~~HHDC~~	~~HHMO, Supplier – national~~	~~Yes~~
~~Agent~~	~~HM04~~	~~Provision of HH METD to HHDC~~	~~HHMO~~	~~HHMO~~	~~HHMO, Supplier – national~~	~~Yes~~
~~Agent~~	~~HM05~~	~~Provision of HH METD to new HHMO~~	~~HHMO~~	~~HHMO (old)~~	~~HHMO, Supplier – national~~	~~Yes~~
~~Agent~~	~~HM06~~	~~Quality of D0268~~	~~HHMO~~	~~HHDC~~	~~HHMO, Supplier – national~~	~~Yes~~

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ANNEX B – MASTER REGISTRATION AGREEMENT (MRA) DATA TRANSFER CATALOGUE ITEMS REFERENCED

The following flows can be found within the MRA Data Transfer Catalogue:

~~Flow Reference~~	~~Flow Name~~
~~D0001~~	~~Request Metering System Investigation~~
~~D0002~~	~~Fault resolution Report or request for Decision of Further Action~~
~~D0010~~	~~Meter Readings~~
~~D0011~~	~~Agreement of Contractual Terms~~
~~D0148~~	~~Notification of Change to Other Parties~~
~~D0149~~	~~Notification of Mapping Details~~
~~D0150~~	~~Non Half Hourly Meter Technical Details~~
~~D0152~~	~~Metering System EAC/AA Historical Data~~
~~D0155~~	~~Notification of Meter Operator or Data Collector Appointment and Terms~~
~~D0170~~	~~Request for Metering System [CP1325]Related Details~~
~~D0268~~	~~Half Hourly Meter Technical Details~~

Flow Reference	Flow Name
D0001	Request Metering System Investigation
D0002	Fault Resolution Report or Request for Decision on Further Action
D0010	Meter Readings
D0148	Notification of Change to Other Parties
D0150	Non Half Hourly Meter Technical Details
D0152	Metering System EAC/AA Historical Data
D0155	Notification of Meter Operator or Data Collector Appointment and Terms
D0268	Half Hourly Meter Technical Details

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