



Redlined BSCP533 text for CP1487 'Remove the exclusion of Change of Measurement Classes in BSCP533 Appendix B'

CP1487 proposes changes to Sections 3.3.5, 3.3.6, 3.3.9, 3.3.10, 3.4.4 and 3.4.5

3.3.5 HM11 - Timely Sending of HH MTDs to HHDCs

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 +5 WD of the D0268 MTD EFD (J1254) following a change to or of the Metering System.

This Serial measures HHMOAs sending HH 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 or Change of Measurement Class from Non-Half Hourly to Half-Hourly.
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 MOAs do not inform DCs 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 HH 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 BSCP514¹ section 8.2 and information contained in the D0268 data flow, the following items are the key MTDs fields, one or more of which will have changed following a Meter exchange:

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);
- 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; and
- The total number of D0268s received, following a material change to the Metering System, after the MTD EFD (J1254) by reconciliation bands.

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

Both energised and de-energised MSIDs should be reported against.

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

¹ BSCP514 – SVA Meter Operations for Metering Systems Registered in SMRS

HM11 Standards to be Submitted by HHDCs	
Standard 7	Number of D0268s received , following a material change to the Metering System, from +293 WD from MSMTD EFD (after RF)

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

The HHDC will have to compare the MTD EFD (J1254) in any received D0268s within the reporting period with the date that the D0268 was received. The HHDC 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 change of agent event has occurred). Where any of these are different, the number of WDs 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' (_U).

Exclusions

Exclude those D0268s that are:

- Sent for new connections (identified through the J1689 'Event Indicator' flag in the D0268 where this is set to 'A' for 'new connection');
- Sent for change of agent events;
- Sent for change of Supplier events;
- Sent for UMS connections (identified through the J0082 'Measurement Class Id' flag in the D0289); or
- Exact duplicates of previously received D0268s.

3.3.6 HM12 – Missing HH MTDs

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 **only 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 HH MTDs result in Meter readings being misinterpreted or not collected and the inability to issue HH 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.

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.

On a snapshot day, HHDCs should —examine the total portfolio of unique appointments that have been held in the previous 14 months and establish those for which MTDs have not been received. 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.

Where a D0155 received by the HHDC relates to a new connection, this should be included in reporting against standard 1 only (regardless as to whether the site is energised or de-energised). New connections and de-energised sites should be excluded from reporting in standards 2 to 7. A new connection can be identified through the J1689 ‘Event Indicator’ flag in the D0268 where this is set to ‘A’ for ‘new connection’, or the J0459 ‘Agent Status’ flag in the D0148.

HM12 Standards to be Submitted by HHDCs	
Standard 1	Number of unique 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 (before R1)
Standard 4	Number of D0268s missing between +40 WD and +84 WD from EFD (before R2)
Standard 5	Number of D0268s missing between +85 WD and +154 WD from EFD (before R3)
Standard 6	Number of D0268s missing between +155 WD and +292 WD after from EFD (before RF)
Standard 7	Number of D0268s missing from +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 HHDC will not know who the HHMOA is and therefore who to expect the MTDs from. **If the D0148 has not been received the HHMOA should be reported as ‘unknown’ (‘UUUU’) by the new HHDC.**

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 unique 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 (+20 WD). 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 unique registrations that have been held in the 14 months previous to the snapshot day. The rules regarding unique 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 HHDC's EFD has passed these runs.

The snapshot should also take into account any unique 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’ (_U).

Exclusions from Submissions

- If a D0155 has been received and the Metering System is registered as de-energised, then this should be excluded from the reporting in standards 2 to 7, but included in standard 1. De-energised sites can be identified using the D0139 flow.
- New connections should not be reported against in standards 2 to 7, but should be included in standard 1 regardless of energisation status.

- UMS Metering Systems should be excluded from reporting, as no MTDs will be required. The J0082 'Measurement Class Id' flag in the D0289 will indicate to the HHDC that the newly appointed Metering System is UMS.
- Instances where exact duplicate D0155s or D0148s are received should also be excluded from reporting.

~~If a change of Measurement Class has occurred concurrent with a change of agent, the instance should be excluded from reporting against standards 2 to 7, but included in standard 1.~~

HM12 – Missing HH MTDs

Data Provider: New HHDC reporting on the Existing HHMOA (Example)

Snapshot day: 09/06/2009

Key data Table			PARMS submission (Reporting Period t= May 09)							Notes
HHDC EFD (J0219 in D0155)	Receipt date of complete D0268	+ / - WD Elapsed (snapshot day – J0219)	Std 1	Std 2	Std 3	Std 4	Std 5	Std 6	Std 7	All data shown is assumed to be for a single combination of GSP Group and Supplier
			No of unique reg by Supplier	No of unique reg missing D0268	No of unique reg missing D0268 between +17WD and +39WD from EFD (before R1)	No of unique reg missing D0268 between +40WD and +84WD from EFD (before R2)	No of live reg missing D0268 between +85WD and +154WD from EFD (before R3)	No of live reg missing D0268 between 155WD and +292WD from EFD (before RF)	No of live reg missing D0268 from +293WD from EFD (after RF)	
03/05/2009	12/05/2009		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. WDs elapsed are not counted if the D0268 has been received.
12/04/2009		39	1	1	1	0	0	0	0	HHDC EFD in D0155 on a Sunday. Elapsed period includes three public holidays. The complete set of D0268s has not been received

Key data Table			PARMS submission (Reporting Period t= May 09)							Notes
HHDC EFD (J0219 in D0155)	Receipt date of complete D0268	+ / - WD Elapsed (snapshot day – J0219)	Std 1	Std 2	Std 3	Std 4	Std 5	Std 6	Std 7	All data shown is assumed to be for a single combination of GSP Group and Supplier
			No of unique reg by Supplier	No of unique reg missing D0268	No of unique reg missing D0268 between +17WD and +39WD from EFD (before R1)	No of unique reg missing D0268 between +40WD and +84WD from EFD (before R2)	No of live reg missing D0268 between +85WD and +154WD from EFD (before R3)	No of live reg missing D0268 between 155WD and +292WD from EFD (before RF)	No of live reg missing D0268 from +293WD from EFD (after RF)	
11/11/2008		144	1	1	0	0	1	0	0	The complete set of D0268s has not been received
03/04/2008	28/05/2009		1	0	0	0	0	0	0	WDs elapsed are not counted if the D0268 has been received.
10/03/2008		315	1	1	0	0	0	0	1	The complete set of D0268s has not been received
17/03/2009	02/06/2009		1	0	0	0	0	0	0	Counted as received, even though received following end of reporting period. WDs elapsed are not counted if the D0268 has been received.
May 09 submission			6	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. The +/- WD elapsed period includes the EFD and receipt date and excludes weekends and public holidays in England and Wales.

3.3.9 NM11 - Timely Sending of NHH MTDs to NHHDCs

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 Settlement EFD (J1254) following a change to or of the Metering System.

This Serial measures NHHMOAs sending NHH 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 in any standards, or D0268s sent for Change of Measurement Class from Half Hourly to Non-Half Hourly.**

Associated Risk

The risk that MOAs do not inform DCs 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

MTDs 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.

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.

What will be submitted?

- The total number of D0150s received within the reporting period; and
- The total number of D0150s, for a material change to the Metering System, received after the MTD EFD (J1254) by reconciliation bands.

Both energised and de-energised MSIDs should be reported against for all standards.

NM11 Standards to be Submitted by NHHDCs	
Standard 1	Number of D0150s received, following a material change to the Metering System, within the reporting period
Standard 2	Number of D0150s received, following a material change to the Metering System, between +1 WD and +16 WD from EFD (before SF)
Standard 3	Number of D0150s received, following a material change to the Metering System, between +17 WD and +39 WD from EFD (before R1)
Standard 4	Number of D0150s received, following a material change to the Metering System, between +40 WD and +84 WD from EFD (before R2)
Standard 5	Number of D0150s received, following a material change to the Metering System, between +85 WD and +154 WD from EFD (before R3)
Standard 6	Number of D0150s received, following a material change to the Metering System, between +155 WD and +292 WD from EFD (before RF)
Standard 7	Number of D0150s received , following a material change to the Metering System, from +293 WD from EFD (after RF)

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

The NHHDC will have to compare the MTD EFD (J1254) in any received D0150s within the reporting period with the date that the D0150 was received. The NHHDC 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 change of agent event has occurred). Where any of these are different, the number of WDs between the MTD EFD (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' (_U).

Exclusions from Submissions

Exclude those D0150s which are sent for new connections (identified through the associated D0148, which will not have an old NHHMOA listed in the J0459 'Agent Status' flag).

UMS Metering Systems should be excluded from reporting, as no MTDs will be required. The J0082 'Measurement Class Id' flag in the D0152 or D0052 will indicate to the NHHDC that the newly appointed Metering System is UMS.

Exclude any D0150s received that are exact duplicates of a previously received D0150.

No submissions should be made reporting an unknown agent (UUUU), as this will be the sender of the D0150 and therefore will be known.

NM11 - Timely Sending of NHH MTDs to NHHDCs

Data Provider: NHHDC (Example)

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	Std. 2	Std. 3	Std. 4	Std. 5	Std. 6	Std. 7	All data shown is assumed to be for a single combination of GSP Group and Supplier
			No of D0150s received within the period	No of D0150s received between +1WD and +16WD from EFD	No of D0150 received between +17WD and +39WD from EFD	No of D0150s received between +40WD and +84WD from EFD	No of D0150received between +85WD and +154WD from EFD	No of D0150 received between +155WD and +292WD from EFD	Number of D0150 received from +293 WD from EFD	
08/05/2009	06/05/2009	2	1	0	0	0	0	0	0	D0150 received - 2WD after 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. The +/- WD elapsed period includes the EFD and receipt date and excludes weekends and public holidays in England and Wales.

3.3.10 NM12 – Missing NHH MTDs

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
New NHHDC	Current 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**, or for change of Supplier events only concurrent with a change of agent (with no change of Meter).

'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 existing 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

MTDs 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.

Both energised and de-energised MSIDs should be reported against for all standards.

NM12 Standards to be submitted by NHHDCs	
Standard 1	Number of unique 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 (before R1)
Standard 4	Number of D0150s missing between +40 WD and +84 WD from EFD (before R2)
Standard 5	Number of D0150s missing between +85 WD and +154 WD from EFD (before R3)
Standard 6	Number of D0150s missing between +155 WD and +292 WD from EFD (before RF)
Standard 7	Number of D0150s missing after +293 WD after EFD (after RF)

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

NHHDCs will be required to, on a snapshot day, examine the total portfolio of unique 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 NHHMOA, and report all instance of these as well.

For all identified instances, the number of WDs 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 NHHDC will not know who the NHHMOA is and therefore not know who to expect the MTDs from. **If the D0148 has not been received the NHHMOA should be reported as ‘unknown’ by the new NHHDC** (reported as ‘UUUU’; see BSCP533 Appendix A for further details).

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 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, referring to the ‘Agent Status’ flag (J0459) data item, 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 (+20 WD). 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.

From the snapshot data, NHHDCs shall report the entire number of unique registrations that have been held in the 14 months, prior to the snapshot day. The rules regarding unique 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 NHHDC’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. 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’ (_U).

Exclusions from Submissions

This Serial should exclude new connection events for new NHHDC submissions from standards 2 to 7. New connections should be included against standard 1 only. For example, where a D0148 has been received with no previous agent information in the J0459 ‘Agent Status’ flag, these Metering Systems should be excluded from reporting against standards 2 to 7, but included in the count for standard 1.

UMS Metering Systems should be excluded from reporting, as no MTDs will be required. UMS Metering Systems should be excluded from reporting, as no MTDs will be required. The J0082 'Measurement Class Id' flag in the D0152 or D0052 will indicate to the NHHDC that the newly appointed Metering System is UMS.

Exact duplicate D0155s or D0148s should also be excluded from reporting in this Serial.

~~If a change of Measurement Class has occurred concurrent with a change of agent, the instance should be excluded from reporting against standards 2 to 7 but included against standard 1.~~

NM12 - Missing NHH MTDs

Data Provider: New NHHDC submitting on the current NHHMOA (Example)

Snapshot day: 09/06/2009

Key Data Table			PARMS submission (Reporting Period t= May 09)							Notes
New NHHDC EFD (J0219) in D0155	Receipt date of complete D0150	+ / - WD Missing Elapsed (snapshot day – J0219)	Std 1 No of unique reg by Supplier	Std 2 No of unique reg missing D0150	Std 3 No of unique reg missing D0150 between +17WD and +39WD from EFD (before R1)	Std 4 No of unique reg missing D0150 between +40WD and +84WD from EFD (before R2)	Std 5 No of unique reg missing D0150 between +85WD and +154WD from EFD (before R3)	Std 6 No of unique reg missing D0150 between +155WD and +292WD from EFD (before RF)	Std 7 No of unique reg missing D0150 from +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		1	0	0	0	0	0	0	
12/04/2009		39	1	1	1	0	0	0	0	
11/11/2008		144	1	1	0	0	1	0	0	
03/04/2008	28/05/2009		1	0	0	0	0	0	0	
10/03/2008		315	1	1	0	0	0	0	1	
										The complete set of D0150s has not been received

Key Data Table			PARMS submission (Reporting Period t= May 09)							Notes
New NHHDC EFD (J0219) in D0155	Receipt date of complete D0150	+ / - WD Missing Elapsed (snapshot day – J0219)	Std 1 No of unique reg by Supplier	Std 2 No of unique reg missing D0150	Std 3 No of unique reg missing D0150 between +17WD and +39WD from EFD (before R1)	Std 4 No of unique reg missing D0150 between +40WD and +84WD from EFD (before R2)	Std 5 No of unique reg missing D0150 between +85WD and +154WD from EFD (before R3)	Std 6 No of unique reg missing D0150 between +155WD and +292WD from EFD (before RF)	Std 7 No of unique reg missing D0150 from +293WD from EFD (after RF)	All data shown is assumed to be for a single combination of GSP Group and Supplier
17/03/2009	02/06/2009		1	0	0	0	0	0	0	
May 09 submission			6	3	1	0	1	0	1	Counted as received, even though received following end of reporting period. WDs elapsed are not counted if the D0150 has been received.

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. The +/- WD elapsed period includes the EFD and receipt date and excludes weekends and public holidays in England and Wales

3.4.4 HM12 - Missing HH MTDs

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
<u>New HHMOA</u>	<u>Old NHHMOA Sending D0150 upon Change of Measurement Class</u>	<u>D0150 missing</u>	<u>J0210 (EFD MOA) in the D0155</u>

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 **only following a change of agent**. Change of Meter events should not be reported by this Serial.

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 HH MTDs result in Meter readings being misinterpreted or not collected and the inability to issue HH MTDs to other agents.

Who should submit the Serial?

The new MOA should submit this Serial, reporting on the performance of 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.

D0150: Non-Half Hourly Meter Technical Details

NHH MTDs are transferred to a HH MOA when there is a Change of Measurement Class.

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 HHMOA should submit for all D0155s received where the D0150 is missing after the EDF for the new HHMOA upon Change of Measurement Class.

The new HHMOAs should, on a snapshot day, examine the total portfolio of unique 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 Meter Technical Details D0268 isare likely to be sent) instances where the associated Meter Technical Details 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.

Where a D0155 received by the new HHMOA relates to a newly installed Metering System, this should be included in reporting against standard 1 only.

If a D0155 relates to a de-energised site (identified through the receipt of a D0139), this instance should also only be included in reporting against standard 1. A de-energised site can be identified through the D0139 flow.

A D0268 sent for a new connection (identified through a lack of any 'old' agent details in the D0148) should be included in the reporting of standard 1 only.

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

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

In order to capture instances where MTDs ~~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 MTDs ~~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 ~~HH~~MOA is and therefore not know who to expect the MTDs from. **If the D0148 has not been received the old ~~HH~~MOA should be reported as ‘unknown’ (‘UUUU’) by the new HHMOA.**

Use of a snapshot day

In order to capture instances where MTDs ~~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 MTDs ~~a D0268~~ for any unique 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 unique registrations, and also the number for which they have never received MTDs ~~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 u~~Unique registrations that were held in the 14 months previous to the snapshot day in order to capture any Metering Systems that have since changed agents, but the old agent still has not received MTDs ~~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.

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’ (_U).

Exclusions from Submissions

- If a D0155 has been received and the Metering System is registered as de-energised, then this should be excluded from standards 2 to 7 in reporting the Serial but included in standard 1.
- If the site is identified as a new connection, this should also be excluded from reporting against standards 2 to 7 but included in standard 1.
- UMS Metering Systems should not be included in reporting against any standards.
- Receipt of an exact duplicate of a previously-received D0155 should be excluded from reporting against in this Serial.
- ~~If a change of Measurement Class has occurred concurrent with a change of agent, the instance should be excluded from reporting against standards 2 to 7 but included in standard~~

HM12 - Missing HH MTDs

Data Provider: New HHMOA reporting on old HHMOA (Example)

Snapshot day: 09/06/2009

Key data Table			PARMS submission (Reporting Period t= May 09)							Notes
New HHMOA EFD (J0210 in D0155)	Receipt date of complete D0268	+ / - WD Elapsed (snapshot day – J0219)	Std 1 No of unique reg by Supplier	Std 2 No of unique reg missing D0268	Std 3 No of unique reg missing D0268 between +17WD and +39WD from EFD (before R1)	Std 4 No of unique reg missing D0268 between +40WD and +84WD from EFD (before R2)	Std 5 No of unique reg missing D0268 between +85WD and +154WD from EFD (before R3)	Std 6 No of unique reg missing D0268 between +155WD and +292WD from EFD (before RF)	Std 7 No of unique reg missing D0268 from +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		1	0	0	0	0	0	0	
12/04/2009		39	1	1	1	0	0	0	0	
11/11/2008		144)	1	1	0	0	1	0	0	

Key data Table			PARMS submission (Reporting Period t= May 09)							Notes
New HHMOA EFD (J0210 in D0155)	Receipt date of complete D0268	+ / - WD Elapsed (snapshot day – J0219)	Std 1 No of unique reg by Supplier	Std 2 No of unique reg missing D0268	Std 3 No of unique reg missing D0268 between +17WD and +39WD from EFD (before R1)	Std 4 No of unique reg missing D0268 between +40WD and +84WD from EFD (before R2)	Std 5 No of unique reg missing D0268 between +85WD and +154WD from EFD (before R3)	Std 6 No of unique reg missing D0268 between +155WD and +292WD from EFD (before RF)	Std 7 No of unique reg missing D0268 from +293WD from EFD (after RF)	All data shown is assumed to be for a single combination of GSP Group and Supplier
03/04/2008	28/05/2009		1	0	0	0	0	0	0	
10/03/2008		315	1	1	0	0	0	0	1	
17/03/2009	02/06/2009		1	0	0	0	0	0	0	
May 09 submission			6	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. The +/- WD elapsed period includes the EFD and receipt date and excludes weekends and public holidays in England and Wales.

3.4.5 NM12 – Missing NHH MTDs

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
<u>New NHHMOA</u>	<u>Old HHMOA sending D0268 upon Change of Measurement Class</u>	<u>D0268 missing</u>	<u>J0210 (EFD MOA) in the D0155</u>

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 MOA. For completeness, this includes a change of Supplier only concurrent with a change of MOA event.

Missing is to be considered as when a D0155/D0148 has been received, but no associated D0150 or D0268 (upon Change of Measurement Class from Half Hourly to Non-Half Hourly) 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.
- The new NHH-MOA will report on the old HH 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.

D0150: Non Half Hourly Meter Technical Details

MTDs for NHH Metering Systems.

D0268: Half Hourly Meter Technical Details

HH MTDs are transferred to a NHH MOA when there is a Change of Measurement Class.

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 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 MTDs Details are D0150-is-likely to be sent) instances where the associated MTDs 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.

Sites that are new connections should only be reported against in the count for standard 1, and excluded from reporting from standards 2 to 7. New connections can be identified through the J0459 'Agent Status' flag in the D0148 flow.

Both energised and de-energised MSIDs should be reported against.

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

What will NHHMOAs have to do to submit the data?

NHHMOAs will be required to, on a snapshot day, examine the total portfolio of unique 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 WDs 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' ('UUUU') by the new NHHMOA.**

Use of a snapshot day

In order to capture instances where ~~MTDs 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 ~~MTDsD0150~~ for any unique 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 +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 NHHMOAs should report the entire number of their unique registrations, and also the number for which they have never received ~~MTDsD0150~~. 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 unique registrations that were held in the 14 months previous to the snapshot day in order to capture any Metering Systems that have since changed agents, but the old agent still has not received ~~MTDsD0150~~.

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' (_U).

Exclusions from Submissions

- This Serial should exclude new connection events (identified through the J0459 'Agent Status' flag in the D0148 where an 'old' NHHMOA is not specified).
- This Serial should exclude D0155 flows received for a change of contract.
- D0155s received for a new connection should be excluded from reporting against in standards 2 to 7 but included in standard 1.
- Appointments identified as UMS should be excluded from reporting against for this Serial.
- ~~If a change of Measurement Class has occurred concurrent with a change of agent, then this instance should be excluded from reporting against standards 2 to 7 but included as standard 1.~~

NM12 - Missing NHH MTDs

Data Provider: New NHHMOA reporting on old NHHMOA (Example)

Snapshot day: 09/06/2009

Key Data Table			PARMS submission (Reporting Period t= May 09)							Notes
New NHHMOA EFD (J0210 in D0155)	Receipt date of complete D0150	+ / - WD Elapsed (snapshot day – J0219)	Std 1 No of unique reg by Supplier	Std 2 No of unique reg missing D0150	Std 3 No of unique reg missing D0150 between +17 WD and +39 WD from EFD (before R1)	Std 4 No of unique reg missing D0150 between +40 WD and +84 WD from EFD (before R2)	Std 5 No of unique reg missing D0150 between +85 WD and +154 WD from EFD (before R3)	Std 6 No of unique reg missing D0150 between +155 WD and +292 WD from EFD (before R3)	Std 7 No of unique reg missing D0150 from +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		1	0	0	0	0	0	0	<p>While this failure to submit the D0150 in time for RF is <u>not submitted for this Serial, it will be picked up in the Serial NM11, if the new NHHMOA exchanges the Meter following its appointment.</u> This will be included in Std 1 as whilst the D0150 have been received the agent has a live registration. WDs elapsed are not counted if the D0150 has been received.</p>

Key Data Table			PARMS submission (Reporting Period t= May 09)							Notes
New NHHMOA EFD (J0210 in D0155)	Receipt date of complete D0150	+ / - WD Elapsed (snapshot day – J0219)	Std 1 No of unique reg by Supplier	Std 2 No of unique reg missing D0150	Std 3 No of unique reg missing D0150 between +17 WD and +39 WD from EFD (before R1)	Std 4 No of unique reg missing D0150 between +40 WD and +84 WD from EFD (before R2)	Std 5 No of unique reg missing D0150 between +85 WD and +154 WD from EFD (before R3)	Std 6 No of unique reg missing D0150 between +155 WD and +292 WD from EFD (before R3)	Std 7 No of unique reg missing D0150 from +293WD from EFD (after RF)	All data shown is assumed to be for a single combination of GSP Group and Supplier
12/04/2009		39)	1	1	1	0	0	0	0	New NHHMOA EFD in D0155 on a Sunday. Elapsed period includes three public holidays. The complete set of MTDsD0150s has not been received
11/11/2008		144	1	1	0	0	1	0	0	The complete set of MTDsD0150 has not been received
03/04/2008	28/05/2009		1	0	0	0	0	0	0	WDs elapsed are not counted if the MTDsD0150 has ye been received.
10/03/2008		315	1	1	0	0	0	0	1	The complete set of MTDsD0150s has not been received
17/03/2009	02/06/2009		1	0	0	0	0	0	0	Counted as received, even though received following end of reporting period. WDs elapsed are not counted if the MTDs have D0150 has been received.

Key Data Table			PARMS submission (Reporting Period t= May 09)							Notes
New NHHMOA EFD (J0210 in D0155)	Receipt date of complete D0150	+ / - WD Elapsed (snapshot day – J0219)	Std 1 No of unique reg by Supplier	Std 2 No of unique reg missing D0150	Std 3 No of unique reg missing D0150 between +17 WD and +39 WD from EFD (before R1)	Std 4 No of unique reg missing D0150 between +40 WD and +84 WD from EFD (before R2)	Std 5 No of unique reg missing D0150 between +85 WD and +154 WD from EFD (before R3)	Std 6 No of unique reg missing D0150 between +155 WD and +292 WD from EFD (before R3)	Std 7 No of unique reg missing D0150 from +293WD from EFD (after RF)	All data shown is assumed to be for a single combination of GSP Group and Supplier
May 09 Submission			6	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. The +/- WD elapsed period includes the EFD and receipt date and excludes weekends and public holidays in England and Wales.