CP1185 'Allowing a Reading to be Deemed where an Actual Reading is Unavailable on a Change of Standard Settlement Configuration'

Redlined text based on BSCP504v17.0

3.3.6 Change of Standard Settlement Configuration

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.6.1		Send notification that MOA is to re-program Meter registers. If necessary, agree revised contractual terms with NHHDC.	Supplier[2].	NHHDC.	P0027 Notification of Pending Work.	Electronic or other method, as agreed.
		Pass final Meter register reading for old register configuration and initial Meter register reading for new register configuration, including MTD and the mapping of these onto each Settlement Register[1].	MOA.	NHHDC.	D0010 Meter Readings.	
				NHHDC, Supplier, LDSO.	D0149 Notification of Mapping Details. D0150 Non Half Hourly Meter Technical Details.	

[1] Settlement Registers must not 'double count' electricity. If two physical registers record the same consumption, then the NHHDC must perform a process of differencing.
[2] If necessary the Supplier and NHHDC agree revised terms for retrieval and processing of data.

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REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.6.2	Within 5 WD of receipt of D0150 from the MOA	Send initial (class average) EAC for each Settlement Register associated with the new SSC and the new Profile Class3 (where appropriate). Send the date for which any change of SSC has been registered.	Supplier	NHHDC	D0052 Affirmation of Metering Settlement Details. D0205 Update Registration Details See Appendix 4.12 – Usage and Validation of Affirmation of Metering System Settlement Details (D0052) Flow	Electronic or other method, as agreed.
3.3.6.3	On receipt of D0052 and D0150	Validate D0052. Check for discrepancies between the Metering System Settlement Details provided by the Supplier and the Meter Technical Details provided by the MOA.	NHHDC		See Appendix 4.12 – Usage and Validation of Affirmation of Metering System Settlement Details (D0052) Flow.	Internal
3.3.6.4	If D0052 invalid	Send notification of invalid Metering System Settlement details to Supplier	NHHDC	Supplier	D0310 Notification of Failure to Load or Receive Metering System Settlement Details[4]	Electronic or other method, as agreed.
3.3.6.5	On receipt of D0310	Supplier should resolve the problem by re-sending or revising the D0052 as required or by instructing the MOA to re-send the D0150.	Supplier	NHHDC	D0052 Affirmation of Metering System Settlement Details. D0205 Update Registration Details As required	Electronic or other method, as agreed.
3.3.6.6	On receipt of valid D0052	Send the initial (class average) EAC for each Settlement register of the SVA MS to the NHHDA. Process EAC/AA data in accordance with section 3.5.	NHHDC.	NHHDA.	D0019 Metering System EAC/AA Data.	Electronic or other method, as agreed.

[3] On change of Profile Class for a SVA MS, a class average EAC will be submitted in preference to an EAC calculated from the AA for the Meter Advance Period spanning the change of Profile Class. An EAC will not be calculated if the Profile Class has changed during the Meter Advance Period.

[4] Manual rejection solutions agreed by both the Supplier and NHHDC may be used in place of the D0310 flow

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REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.6.7		Process and validate Meter register readings.	NHHDC.		Appendix 4.2 - Validate Meter Data, Appendix 4.6 – Manual Adjustment of Meter Reading(s).	Internal Process.
3.3.6.8	If invalid Meter register reading.	Produce and send Invalid Data Report.	NHHDC.	Supplier, LDSO.	D0010 Meter Readings. Refer to section 3.3.11 - Calculate AA/EAC Values and send to NHHDA and Supplier.	Electronic or other method, as agreed.
3.3.6.9	If valid Meter register reading.	Produce and send Valid Data Report.	NHHDC.	Supplier, LDSO.	D0010 Meter Readings. Refer to section 3.3.11 Calculate AA/EAC and send to NHHDA and Supplier.	Electronic or other method, as agreed
3.3.6.10	If no valid Meter register reading received within 10WD of change of SSC and initial and/or final reading required.	Request initial and/or final Meter register reading.	NHHDC	MOA, Supplier		Post/Fax/Email
3.3.6.11	Within 10WD of receipt of request for initial and/or final Meter Register reading.	Send initial and/or final Meter register reading.	MOA, Supplier	NHHDC	D0010 Meter Readings.	Electronic or other method as agreed
3.3.6.12	If required 10WD after 3.3.6.11, if no valid final Meter register reading received.	Deem final Meter register reading and calculate associated EAC / AA(s).	NHHDC		Appendix 4.5 – Deemed Meter Advance Refer to section 3.3.11 Calculate AA/EAC Values and send to NHHDA and Supplier.	Internal Process

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REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.6.13	If required and at least 10WD after 3.3.6.11 and by 10WD before the Final Reconciliation Run for the relevant Settlement Date, if no valid initial Meter register reading has been received.	Deem initial Meter reading in accordance with Appendix 4.5 and calculate associated EAC / AA(s).	NHHDC		Appendix 4.5 – Deemed Meter Advance Refer to section 3.3.11 Calculate AA/EAC Values and send to NHHDA and Supplier.	Internal Process
3.3.6.14	Following 3.3.6.12 and / or 3.3.6.13.	Send Deemed Meter Reading(s).	NHHDC	Supplier, LDSO	D0010 Meter Readings.	Electronic or other method as agreed

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4.5 Deemed Meter Advance

A Deemed Meter Advance may be calculated in the circumstances set out in section 4.5.2 for the purpose of calculating a Deemed Meter Reading, provided that the NHHDC has satisfied the criteria set out against each circumstance prior to the Deemed Meter Advance being calculated.

4.5.1 Definitions

For the purposes of this BSCP, the following definitions apply:

Deemed Meter Advance	As defined in Annex X-2 of the Code
Deemed Meter Advance Period	As defined in Annex S-2 of the Code
Deemed Meter Reading	As defined in Section 1.6.2
Last Valid EAC	An EAC which has been created from the last valid AA for a Particular Metering System. Where the Last Valid EAC cannot be calculated as there is no last valid AA, the Last Valid EAC will be defined as the initial (class average) EAC

4.5.2 Deeming circumstances

A Deemed Meter Reading shall be calculated as set out below if a valid actual Meter register reading cannot be obtained in the following circumstances:

- Change of Supplier;
- Disputed change of Supplier Meter reading;
- Concurrent change of Supplier and change of Measurement Class;
- Change of LDSO; and
- At the RF to ensure that crystallised data is not changed post the RF.

In all other circumstances set out below, a Deemed Meter Reading may be calculated if required by the Supplier. In all cases, the NHHDC shall retain an audit trail to prove that all steps set out below have been completed before a reading is deemed.

Where a Deemed Meter Advance is calculated, it shall be calculated using a Certified system using the formulae set out in Annex S-2 of the Code. The Deemed Meter Advance can then be used to calculate a Deemed Meter Reading.

Wherever the NHHDC has deemed a Meter reading, the NHHDC shall provide the Deemed Meter Reading and the date of the Deemed Meter Reading to its Supplier.

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Where a Deemed Meter Advance has been calculated, this indicates that the process has broken down. The Supplier shall investigate the root cause of the problem and attempt to resolve the underlying issue in all cases where a reading has been deemed.

If a Deemed Meter Reading has been calculated but subsequently the actual Meter register reading for the same Settlement Day (or for a day between SSD-5 and SSD+5 for a change of Supplier), is provided and the actual Meter register reading passes validation, the Deemed Meter Reading should be replaced with the actual Meter register reading.

a) Change of Supplier

…

b) Disputed Change of Supplier Reading

…

c) Concurrent Change of Supplier and Measurement Class

…

d) Change of LDSO

…

e) At RF to ensure that crystallised data is not changed post the RF.

…

f) Reconfiguration or Replacement of a Metering System

When a Metering System is reconfigured or replaced, a final Meter register reading for the old Metering System and an initial Meter register reading for the new Metering System (or corresponding readings prior to and post the Metering System being reconfigured) should be taken by the MOA when on site and these should be provided to the NHHDC.

Where the NHHDC has been informed that the Metering System has been reconfigured or replaced, but no valid actual readings have been provided to the NHHDC within 10 Working Days of the Metering System being reconfigured or replaced and the NHHDC has not been informed that the readings are unavailable (i.e. the Meter is no longer in place or able to display a Meter register reading or the Meter is faulty and any reading displayed is known to be incorrect), and the NHHDC requires an initial / final Meter reading, the NHHDC shall request the reading from the MOA and also from the Supplier.

Where a valid actual reading is not received 10 Working Days after being requested, or the NHHDC has been informed by the MOA that the reading is unavailable, the NHHDC may deem the final Meter reading for the date of the reconfiguration or replacement of the old Metering System using the last valid read taken[5] for the old Metering System and a Deemed Meter Advance calculated using the Last Valid EAC over the Deemed Meter Advance Period starting on the date of the last valid read and ending on the day before the date of the reconfiguration or replacement of the Metering System.

[5] If no valid actual readings are available but a valid Deemed reading is available, this reading can be used instead.

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Where applicable, this reading should be used as the corresponding initial reading for the date of the reconfiguration. If the final Deemed Meter Reading cannot be used as the initial reading (i.e. where the Metering System has been replaced or the Metering System has been reconfigured and the reading after the reconfiguration is unlikely to be the same as the reading before the reconfiguration), an initial Deemed Meter Reading may be calculated when either one or two new actual Meter register readings are obtained either in line with the reading cycle for that Metering System or obtained as special readings, provided that the first Meter reading is at least 10 Working Days after the NHHDC requested the actual Meter register reading from the Supplier and MOA and by 10 Working Days before the RF for the relevant Settlement Date. The initial Deemed Meter Reading shall be calculated either using the first actual Meter register reading obtained and Deemed Meter Advance calculated using an initial EAC or using the first two actual Meter register readings obtained and the Deemed Meter Advance calculated using the AA calculated using these Meter register readings over the Deemed Meter Advance Period starting on the date of the replacement or reconfiguration of the Metering System and ending on the day before the date of that the first (in the case of only one Meter register reading being taken) or second (in the case of two Meter register readings being taken) actual read was obtained.

The NHHDC shall determine the AA for the old Metering System (or Metering System prior to the reconfiguration) from the date of the last valid reading to the date of the Deemed Meter Reading in accordance with 3.3.11 and the EAC for the new Metering System (or Metering System after the reconfiguration) in accordance with 3.3.11 and shall provide these with corresponding Effective From Settlement Date and Effective To Settlement Date and to the NHHDA.

g) On rectification of a Metering System fault

…

h) Change of Measurement Class (not concurrent with Change of Supplier)

…

i) Energisation on a new connection

…

j) De-energisation

…

k) Energisation (not on a new connection)

…

l) Removal / Disconnection of a Meter

…

m) Identification of Site as demolished

…

n) Change of Profile Class

…

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o) Archiving of Profile Co-efficients

…

p) Compensating Crystallised Errors

…

q) Long Term Vacant Sites

…

r) Change of Standard Settlement Configuration (SSC)

When a Metering System undergoes a change of SSC, a final Meter reading prior to the change of SSC and an initial Meter reading after the change of SSC should be taken by the MOA when on site (or remotely, where applicable) and these should be provided to the NHHDC.

Where the NHHDC has been informed that the SSC has been changed but no valid actual readings have been provided to the NHHDC within 10 Working Days of the change and the NHHDC has not been informed that the readings are unavailable (i.e. the Meter is no longer in place or able to display a Meter register reading or the Meter is faulty and any reading displayed is known to be incorrect), and the NHHDC requires an initial / final Meter reading, the NHHDC shall request the reading from the MOA and also from the Supplier.

Where a valid actual reading is not received 10 Working Days after being requested, or the NHHDC has been informed by the MOA that the reading is unavailable, the NHHDC may deem the final Meter reading for the date of the change of SSC using the following variables:

- Meter reading: the last valid read taken[6] for the Metering System prior to the change.
- Applicable EAC / AA for calculation of Deemed Meter Advance: the Last Valid EAC.
- Deemed Meter Advance Period: starting on the date of the last valid read and ending on the day before the date of the change of SSC.

Where applicable, this reading should be used as the corresponding initial reading for the date of the change of SSC. If the final Deemed Meter Reading cannot be used as the initial reading (i.e. where the Meter has been changed and the reading after the change is unlikely to be the same as the reading before the change), an initial Deemed Meter Reading may be calculated when either one or two new actual Meter register readings are obtained either in line with the reading cycle for that Metering System or obtained as special readings, provided that the first Meter reading is at least 10 Working Days after the NHHDC requested the actual Meter register reading from the Supplier and MOA and by 10 Working Days before the RF for the relevant Settlement Date. The initial Deemed Meter Reading shall be calculated using either of the following sets of variables (depending on whether one or two Meter readings are available):

If only one Meter reading is available:

- Meter reading: first actual Meter register reading obtained.
- Applicable EAC / AA for calculation of Deemed Meter Advance: initial EAC.

[6] If no valid actual readings are available but a valid Deemed reading is available, this reading can be used instead.

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- Deemed Meter Advance Period: starting on the date of the change of SSC and ending on the day before the date that the first actual read was obtained.

OR, if two Meter readings are available:

- Meter readings: the first two actual Meter register readings obtained
- Applicable EAC / AA for calculation of Deemed Meter Advance: AA calculated using these Meter register readings
- Deemed Meter Advance Period: starting on the date of the change of SSC and ending on the day before the date that the second actual read was obtained.

The NHHDC shall determine the AA for the Metering System prior to the change of SSC from the date of the last valid reading to the date of the Deemed Meter Reading in accordance with 3.3.11 and the EAC for the Metering System after the change of SSC in accordance with 3.3.11 and shall provide these with corresponding Effective From Settlement Date and Effective To Settlement Date to the NHHDA.

4.5.3 Process for calculating a Deemed Meter Advance

The processing for calculating a Deemed Meter Advance using the formulae set out in Annex S-2 of the Code for each Settlement Register is as follows:

a) Identify the Deemed Meter Advance Period and the associated EAC / AA values from which the Deemed Meter Advance shall be calculated in accordance with section 4.5.2.

b) Retrieve the SSC, Profile Class and GSP Group effective for the SVA Metering System at the start of the Deemed Meter Advance Period, together with any changes to Profile Class or GSP Group that took effect during the Deemed Meter Advance Period.

c) For each Settlement Day in the Deemed Meter Advance Period, retrieve the corresponding Profile Coefficients. The Profile Coefficients retrieved depend on:

   (i) The Measurement Requirement for the Settlement Register during the Meter Advance Period, where Measurement Requirement is a valid combination of SSC Id and TPR Id.

   (ii) The GSP Group Id effective for the SVA Metering System on the Settlement Day in question.

   (iii) The Profile Class Id effective for the SVA Metering System on the Settlement Day in question.

The main exception conditions, which may occur when calculating Deemed Meter Advances, are as follows:

a) If Daily Profile Coefficients are not found for the combination of GSP Group, Profile Class, SSC and TPR effective on any Settlement Day within the Meter Advance Period, the Deemed Meter Advance is not processed and an exception is reported by the NHHDC system; or

b) If the input data is incomplete or invalid.

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If either of these exceptions occurs, the NHHDC should investigate the cause of the exception and attempt to rectify it with the Supplier.

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