

ATTACHMENT A – CP1036 Rejection Flow for D0052

Proposed Solution

There are two options for NHHDCs to notify Suppliers of invalid Metering System details on validation of the 'Affirmation of Metering System Settlement Details' (D0052) flow.

Option 1 is to introduce a new data flow specifically for the purpose of notifying failures to process the D0052 flow.

Option 2 is for NHHDCs to utilise the 'Request for Metering System Related Details (D0170)'.

The advantage of Option 2 is that it would not require a change to the Data Transfer Catalogue. Use of the D0170 by NHHDCs to report to Suppliers mismatches between the D0052 and 'Non Half-Hourly Meter Technical Details' (D0150) flow is described in MRA Working Practice WP45 'NHH Metering - Timing of when D0052 may be sent'. However, the D0170 is a multi-purpose flow and so would not be immediately recognisable by a Supplier as a D0052 rejection flow. 'Additional Information' (J0012) is a free format data item and so does not lend itself readily to a universal set of rejection reasons. Neither is there an obvious candidate in the valid set for 'Requested Action Code' (J0007) to use when rejecting a D0052.

The remainder of this attachment shows the detailed changes required for Option 1. The changes to BSCP504 for Option 2 would be as for Option 1, replacing all occurrences of D???? by D0170. Changes to the SVA Data Catalogue would not be required for Option 2.

CHANGES TO BSCP504

N.B. changes have been drafted against version 10 of BSCP504.

Changes to Section 2 Workflow Diagrams are not shown. Footnotes are numbered within this Change Proposal attachment and do not reflect the numbers in BSCP504. Please note that the drafting below assumes that the SSC on the D0052 will be cross-validated against the SSC on the D0150 from the MOA and that the Supplier will not send a D0052 until a D0150 has been received from the MOA.

3.2.1 Supplier Requests New Connection – Metered Supply

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2.1.1		Send notification of appointment and associated Agent and SVA MS details including initial (class average) EAC to the NHHDC.	Supplier ¹ .	NHHDC.	D0052 – Affirmation of Metering System Settlement Details. D0148 Notification of Change to Other Parties. D0155 Notification of New Meter Operator or Data Collector Appointment and Terms. D0302 Notification of Customer Details	Electronic or other method, as agreed.
3.2.1.2		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
3.2.1.3 3.2.1.2	Within 10WD of completion of Meter installation.	Send NHH Metered Data, including MTD and initial Meter register reading, where obtained.	MOA ² .	NHHDC.	D0010 Meter Readings. D0149 Notification of Mapping Details. D0150 Non Half Hourly Meter Technical Details.	Electronic or other method, as agreed.

¹ The Supplier will state the class and type of SVA MS required and the data collection period for each SVA MS.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2.1.4 3.2.1.3		Process and validate Meter register reading.	NHHDC.		Appendix 4.2 - Validate Meter Data, Appendix 4.7 – Manual Adjustment of Meter Reading(s).	Internal Process.
3.2.1.5 3.2.1.4	If invalid Meter register reading.	Produce and send Invalid Data Report.	NHHDC.	Supplier, LDSO.	D0010 Meter Readings.	Electronic or other method, as agreed.
3.2.1.6 3.2.1.5	If valid Meter register reading.	Produce and send Valid Data Report.	NHHDC.	Supplier, LDSO.	D0010 Meter Readings.	Electronic or other method, as agreed.
3.2.1.6		Send notification of Metering System Settlement details to the NHHDC.	Supplier	NHHDC	D0052 Affirmation of Metering System Settlement Details.	
3.2.1.7	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			Internal
3.2.1.8	If D0052 invalid	Send notification of invalid Metering System Settlement details to Supplier	NHHDC	Supplier	D???? Notification of Failure to Load Metering System Settlement Details	Electronic or other method, as agreed.
3.2.1.9	On receipt of D????	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. As required	Electronic or other method, as agreed.

~~² If any discrepancies identified between the MTD provided by the MOA and SVA MS data received from the Supplier, the NHHDC shall inform the Supplier. The Supplier will ensure that any such anomalies are resolved.~~

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2.1.10	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.

3.3.2 Coincident Change of Supplier and Measurement Class from a Half Hourly to a Non Half Hourly SVA Metering System

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.2.2	Once SVA MS installed.	Send MTD. Send initial Meter register reading	NHHMOA	Supplier, NHHDC, LDSO. NHHDC	D0149 Notification of Mapping Details. D0150 Non Half Hourly Meter Technical Details. D0010 Meter Readings.	Electronic or other method, as agreed.
3.3.2.3		Send initial (class) average EAC.	Supplier.	NHHDC.	D0052 – Affirmation of Metering System Settlement Details.	Electronic or other method, as agreed.
3.3.2.4 3.3.2.3		Process and validate Meter register reading.	NHHDC.		Appendix 4.2 – Validate Meter Data, Appendix 4.7 – Manual Adjustment of Meter Reading(s).	Internal Process.
3.3.2.5 3.3.2.4	If invalid Meter register reading.	Produce and send Invalid Data Report.	NHHDC.	LDSO, Supplier.	D0010 Meter Readings.	Electronic or other method, as agreed.
3.3.2.6 3.3.2.5	If valid Meter register reading.	Produce and send Valid Data Report.	NHHDC.	LDSO, Supplier.	D0010 Meter Readings. Refer to section 3.3.11 Calculate AA/EAC and send to NHHDA and Supplier.	Electronic or other method, as agreed.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.2.6		Send notification of Metering System Settlement details to the NHHDC.	Supplier.	NHHDC.	D0052 Affirmation of Metering System Settlement Details.	Electronic or other method, as agreed.
3.3.2.7	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			Internal
3.3.2.8	If D0052 invalid	Send notification of invalid Metering System Settlement details to Supplier	NHHDC	Supplier	D???? Notification of Failure to Load Metering System Settlement Details	Electronic or other method, as agreed.
3.3.2.9	On receipt of D????	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. As required	Electronic or other method, as agreed.
3.3.2.10	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.

3.2.1 Change of Tariff Registers

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.6.1		<p>Send notification that MOA is to re-program Meter registers. Also 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. If necessary, agree revised contractual terms with NHHDC.</p> <p>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 Register⁴.</p>	<p>Supplier⁵.</p> <p>MOA.</p>	<p>NHHDC.</p> <p>NHHDC.</p>	<p>P0027 Notification of Pending Work. D0052 – Affirmation of Metering Settlement Details.</p> <p>D0010 Meter Readings. D0149 Notification of Mapping Details. D0150 Non Half Hourly Meter Technical Details.</p>	Electronic or other method, as agreed.
3.3.6.2		Process and validate Meter register readings.	NHHDC.		Appendix 4.2 - Validate Meter Data, Appendix 4.7 – Manual Adjustment of Meter Reading(s).	Internal Process.
3.3.6.3	If invalid Meter register reading.	Produce and send Invalid Data Report.	NHHDC.	Supplier, LDSO.	<p>D0010 Meter Readings.</p> <p>Refer to section 3.3.11 - Calculate AA/EAC Values and send to NHHDA and Supplier.</p>	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 Settlement Registers must not 'double count' electricity. If two physical registers record the same consumption, then the NHHDC must perform a process of differencing.

⁵ If necessary the Supplier and NHHDC agree revised terms for retrieval and processing of data.

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.6.4	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.
3.3.6.5		Send initial (class average) EAC for each Settlement Register associated with the new SSC and the new Profile Class ⁶ (where appropriate). Send the date for which any change of SSC has been registered.	Supplier	NHHDC	D0052 Affirmation of Metering Settlement Details.	Electronic or other method, as agreed.
3.3.6.6	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			Internal
3.3.6.7	If D0052 invalid	Send notification of invalid Metering System Settlement details to Supplier	NHHDC	Supplier	D???? Notification of Failure to Load Metering System Settlement Details	Electronic or other method, as agreed.
3.3.6.8	On receipt of D????	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. As required	Electronic or other method, as agreed.
3.3.6.9	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.

⁶ 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.

3.3.10 Changes to SVA Metering System Standing Data

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.10.3		Send initial (class) average EAC.	Supplier.	NHHDC.	D0052 Affirmation of Metering System Settlement Details.	Electronic or other method, as agreed.
3.3.10.4		Validate D0052.	NHHDC			Internal
3.3.10.5	If D0052 invalid	Send notification of invalid Metering System Settlement details to Supplier	NHHDC	Supplier	D???? Notification of Failure to Load Metering System Settlement Details	Electronic or other method, as agreed.
3.3.10.6	On receipt of D????	Supplier should resolve the problem and re-send or revise D0052 as required	Supplier	NHHDC	D0052 Affirmation of Metering System Settlement Details. As required	Electronic or other method, as agreed.
3.3.10.3 3.3.10.7	If Meter register reading not obtained for Profile Class change.	Send the initial value EAC which is effective from the Profile Class change. Process EAC/AA data in accordance with section 3.5.	NHHDC NHHDA.	NHHDA, Supplier.	D0019 Metering System EAC/AA Data.	Electronic or other method, as agreed.
3.3.10.4 3.3.10.8	Once Meter register reading obtained.	Calculate an AA based on the MAP. Send the AA and the initial value EAC. Process EAC/AA data in accordance with section 3.5.	NHHDC. NHHDC. NHHDA.	NHHDA, Supplier.	D0019 Metering System EAC/AA Data.	Internal Process. Electronic or other method, as agreed.
3.3.10.5 3.3.10.9	On change of GSP Group.	Send notification of a change to the GSP Group. Validate D0052 and notify Supplier of any exceptions as per 3.3.10.4 to 3.3.10.6 above. Process in accordance with 2.3.5 - Disconnection of a SVA Metering System and 2.2.1 - Supplier requests New Connection.	Supplier. NHHDC NHHDC	NHHDC Supplier	D0052 Affirmation of Metering System Settlement Details. D???? Notification of Failure to Load Metering System Settlement Details	Electronic or other method, as agreed. Internal Process.

CHANGES SVA DATA CATALOGUE VOLUME 1 : DATA INTERFACES

N.B. changes have been drafted against issue 13 of the SVA Data Catalogue Volume 1. In addition, one change is dependent on the implementation of Change Proposal CP941 – 'Add GSP Group information to the Data Collector / Meter Operator appointment data flow (D0155)'.

SVA Data Catalogue Reference	Description of Change
Appendix A	Add D???? Notification of Failure to Load Metering System Settlement Details to 'Interface Cross Reference by Flow Number'
Appendix B	Add D???? Notification of Failure to Load Metering System Settlement Details to 'Interface Cross-Reference by Flow Name'
Appendix E	Add D???? Notification of Failure to Load Metering System Settlement Details to 'Interface Cross-Reference by Source Document' under BSCP504.
Appendix F	Add D???? definition to 'Catalogue of Data Definitions', as shown on following page.

New data flow

Notification of Failure to Load Metering System Settlement Details

D????

001

Source Document	Known as	Ref.	From	To	Comment
BSCP504	Notification of Failure to Load MS Settlement Details		NHHDC	Supplier	

Data Requirement from BSC Procedures:

Data Group	Data Item Name	Comment
Metering System Ids with Settlement Dates	Metering System Id	
	Effective From Settlement Date {REGI}	
	Profile Class Id	
	Effective From Settlement Date {MSPCDC}	
	Measurement Class Id	
	Effective From Settlement Date {MSMCDC}	
Settlement Details	Standard Settlement Configuration Id	
	Effective From Settlement Date {SCON}	
	GSP Group Id	
	Effective From Settlement Date {MSGGDC}	
Time Pattern Regime	Time Pattern Regime	
	Estimated Annual Consumption	
	Effective From Settlement Date {EACDC}	
Error Details	Settlement Details Failure Reason Code	
	Standard Settlement Configuration Id	
	Effective From Settlement Date {SCON}	
	GSP Group Id	

Notes

1. The 'Metering System Ids', 'Settlement Details' and 'Time Pattern Regime' data groups are populated with the original details from the D0052 flow in respect of any Metering Systems within the D0052 that have failed validation.
2. Standard Settlement Configuration Id and Effective From Settlement Date {SCON} within the Error Details data group will be populated with the values from the 'Non Half Hourly Meter Technical Details' (D0150) flow, where these differ from the values in the D0052.
3. *GSP Group Id within the Error Details data group will be populated with the value from the 'Notification of Meter Operator or Data Collector Appointment and Terms' (D0155) flow. {N.B. this note is dependent on the implementation of CP941}.*

ATTACHMENT C – CHANGES SVA DATA CATALOGUE VOLUME 2 : DATA ITEMS

N.B. changes have been drafted against issue 11 of the SVA Data Catalogue Volume 2. One change is dependent on the implementation of Change Proposal CP941 – ‘Add GSP Group information to the Data Collector / Meter Operator appointment data flow (D0155)’.

Add new item to Appendix A:-

Settlement Details Failure Reason Code

Description:	A code indicating why Metering System settlement details (as provided on the ‘Affirmation of Metering System Settlement Details (D0052) flow) have failed validation
Units:	None
Valid Set:	Initial Values are: 01 Data Collector is not appointed to this Metering System 02 Effective From Settlement Date {REGI} (Supply Start Date) inconsistent with previous Supply Start Date given 03 Profile Class Id not in MDD 04 Standard Settlement Configuration Id not in MDD 05 GSP Group Id not in MDD 06 GSP Group Effective Date earlier than Effective From Settlement Date of GSP Group Distributor in MDD 07 Invalid Profile Class/SSC/GSP Group combination 08 Measurement Class not in MDD or not valid for NHH Metering System 09 Time Pattern Regime not associated with SSC in MDD 10 Missing Time Pattern Regime for SSC 11 Duplicate Time Pattern Regime records 12 Standard Settlement Configuration ID inconsistent with that on D0150 13 <i>GSP Group inconsistent with that on D0155 {this error code is dependent on the implementation of Change Proposal CP941}.</i>
Domain:	Code
Logical Format:	CHAR(2)
Default Value:	Not required.
Acronym:	None
Notes:	