



Change of Measurement Class

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Introduction

This Guidance Note is the outcome of ELEXON's review of the Change of Measurement Class (CoMC) process conducted in response to queries raised by Market Participants. The review investigated particular areas of the process where difficulties have been encountered, identified the root causes of these problems and where possible offers advice on mitigating action that may be taken to ensure that CoMC can be completed.

This guidance details the obligations contained in the Balancing and Settlement Code (BSC) and Code Subsidiary Documents relating to CoMC, and the best practices around these obligations. Suppliers, Meter Operator Agents and Data Collectors will find it of most value, as these are the market roles that are most impacted by Change of Measurement Class.

Additional information can also be obtained from the ELEXON helpdesk at helpdesk@elxon.co.uk, or by contacting your Operational Support Manager (OSM). If you do not know who your OSM is, please contact the OSM Delivery Manager at OSManagement@elxon.co.uk.

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Background

Section L - 'Metering' of the BSC sets out the requirements for CVA and SVA Metering Systems. The Metering Equipment commissioned for SVA Metering Systems may be either Half Hourly (HH) or Non Half Hourly (NHH). In the case of 100kW Metering Systems, or Metering Systems associated with any Third Party Generating Plant (except Small Scale Third Party Generating Plant), HH Metering Equipment must be installed. For any other SVA Metering System, the Metering Equipment can be either HH or NHH. The type of Metering Equipment installed defines the Measurement Class of that Metering System.

If the usage of a Metering System changes it may meet the criteria of another Measurement Class. Where a NHH Metering System meets the criteria for a 100kW Metering System, HH Metering Equipment must be installed as soon as possible, resulting in a mandatory CoMC. Conversely, a HH Metering System that no longer meets the 100kW Metering System criteria is no longer subject to mandatory HH metering, and a Supplier may choose to perform a CoMC and make use of NHH Metering Equipment for that Metering System.

Documentation

This Guidance Note refers to the following Code Subsidiary Documents, which detail the process requirements for CoMC:

- BSCP502 - 'Half Hourly Data Collection for SVA Metering Systems Registered in SMRS';
- BSCP504 - 'Non Half Hourly Collection for SVA Metering Systems Registered in SMRS';
- BSCP514 - 'SVA Meter Operations for Metering Systems Registered in SMRS'.

Initiation and Identification of Change of Measurement Class

The main difficulties experienced with CoMC stem from the initial stages of the process, where the participants involved may not be aware of the process taking place. The guidance, originally established in 1998 via the Master Registration Agreement (MRA) Working Practices, required that Suppliers should liaise with their Agents to inform them of the intended CoMC and provide details such as the type of any new Metering Equipment required and the proposed metering installation date. While the data flows associated with CoMC are now used throughout the industry and detailed in the relevant Balancing and Settlement Code Procedures (BSCPs), they are not a substitute for the initial liaison activity described by the Working Practices. Suppliers should therefore inform their Agents of their intentions before issuing data flows, as this is a key part of the process and vital to its success.

Agent appointment and Termination

Supplier Agent appointments, as part of CoMC, should be carried out using the standard Do155² and Do153³ flows issued by the Supplier, with the Effective From Dates of the appointments being the CoMC date.

Termination of Supplier Agent appointments should be via the Do151⁴ flow issued by the Supplier to Meter Operator Agents (MOAs) and Data Collectors (DCs). This flow contains a Termination Reason data item; for CoMC that is not coincident with Change of Supplier (CoS), this item should be populated with the code 'MC' for Change of Measurement Class. Where a CoMC is coincident with CoS, it is assumed that the old Supplier is unaware of the CoMC and so the Termination Reason should be populated with 'LC' for Loss of Contract to Supply.

¹ MRA Working Practices 66 'Change of Measurement Class – NHH-HH' and 116 'Change of Measurement Class from NHH-HH Coincident with CoS'.

² Do155 – 'Notification of Meter Operator or Data Collector Appointment and Terms'.

³ Do153 – 'Notification of Data Aggregator Appointment and Terms'.

⁴ Do151 – 'Termination of Appointment or Contract by Supplier'.

Notification of Agent Appointments

After completing the necessary Agent appointments, the Supplier should issue a Do148⁵ flow to the Data Collector and Meter Operator Agent. This flow, completed in accordance with the rules in Annex C of the MRA Data Transfer Catalogue, identifies each Agent by its Market Participant ID but not its Role Code. So from information contained in the Do148, recipients may assume that only a Change of Agent has taken place. This potential for confusion with an alternative process is the main reason that Suppliers should warn Agents prior to initiating a CoMC. Agents should make use of the information provided by the Supplier in the initial liaison process to fully identify the previous Agents so that any subsequent data requests can be directed accordingly.

CoMC Coincident with Change of Supplier

Where a CoMC is being carried out coincident with a CoS, a corresponding CoS meter reading is generated. In the NHH to HH CoMC process, BSCP504 requires that the old Supplier is provided with the final meter reading by the old Non Half Hourly Data Collector (NHHDC) via a Doo86⁶ flow. In the HH to NHH CoMC process, having validated an initial read, the NHHDC is only required, by BSCP504, to issue this information to the Supplier via a Doo10⁷ flow. Suppliers should not expect to receive a Doo86 flow for the start of their appointment following a HH to NHH CoMC. Prior knowledge that a CoMC is underway should prevent the process from stalling due to participants awaiting the arrival of a non-existent Doo86.

5 Do148 – ‘Notification of Changes to Other Parties.’

6 Doo86 – ‘Notification of Change of Supplier Readings.’

7 Doo10 – ‘Meter Readings’.

Process Overview

This section provides a combined overview of the NHH-HH and HH-NHH Change of Measurement Class processes detailed in BSCPs 502, 504 and 514, with particular reference to the activities of Meter Operator Agents and Data Collectors.

NHH to HH Change of Measurement Class

Note: D=CoMC effective date, and may also be equivalent to Supplier Start Date where a coincident Change of Supplier is taking place.

BSCP Ref	Data Collector	Meter Operator Agent	Ref
502, 3.3.1.1; 504, 3.3.1.1 514, 7.2.1-7.2.6 514, 7.2.7	Supplier appoints HHDC/HHMOA (effective from D) and terminates NHHDC/NHHMOA appointment (effective from D-1) via D0155/D0151/D0148. Supplier also sends D0289 MC/EAC/PC details.		a
514, 7.2.8-7.2.9		Supplier specifies metering requirements to HHMOA via D0142	b
514, 7.2.10-7.2.11		HHMOA requests site technical details from Licensed Distribution System Operator (LDSO)	c
514, 7.2.12-7.2.14		HHMOA obtains NHH Meter Technical Details from NHHMOA	d
502, 3.3.1.2; 514, 7.2.14		HHMOA installs/reconfigures meter and notes final and initial meter register readings	e
502, 3.3.1.3; 514, 7.2.14		HHMOA sends D0268 Meter Technical Details to Supplier, HHDC and LDSO	f
502, 3.3.1.4		HHMOA sends initial meter register reading on D0010 to HHDC	g
502, 3.3.1.5	HHDC sends confirmation of meter reading schedule to Supplier and LDSO via D0012		h
502, 3.3.1.6; 514, 7.2.15	HHDC collects meter data from start of its appointment		i
514, 7.2.16		HHMOA and HHDC prove Metering System in accordance with BSCP502 (this must be completed a certain time after the meter has been installed) [End of BSCP502 Process]	j
514, 7.2.17		HHMOA sends final meter register reading on D0291 to NHHMOA	k
504, 3.3.1.2; 514, 7.2.18		NHHMOA re-dates NHH meter register reading to Effective To Settlement Date {MOA} and maps onto Meter registers	l
504, 3.3.1.3- 3.3.1.7	NHHDC sends final meter register reading on D0010 to NHHDC, confirming that a CoMC has taken place, and issues D0150 Meter Technical Details to NHHDC, Supplier and LDSO [End of BSCP514 Process]		m
	NHHDC validates final meter register reading and sends to Supplier and LDSO via D0010. If concurrent with CoS, a D0086 will be sent [End of BSCP504 Process]		n

HH to NHH Change of Measurement Class

The reference letters in the right hand column show where the steps in this process have an approximate parallel with the more common NHH-HH procedure described above.

BSCP Ref	Data Collector	Meter Operator Agent	Ref
502, 3.3.2.1; 514, 7.4.1-7.4.6	Supplier appoints NHHDC/NHHMOA (effective from D) and terminates HHMOA appointment (effective from D-1) via D0155/D0151/D0148		a
514, 7.4.7		Supplier specifies metering requirements to NHHMOA via D0142	b
514, 7.4.8-7.3.9		NHHMOA requests site technical details from LDSO	c
514, 7.4.10-7.4.11		NHHMOA obtains HH Meter Technical Details from HHMOA	d
502, 3.3.2.1; 514, 7.4.12	Supplier requests collection of final HH metered data by HHDC		-
502, 3.3.2.2; 514, 7.4.13	HHDC and NHHMOA agree date by which final HH metered data should be collected		-
502, 3.3.2.3; 514, 7.4.14	HHDC collects final HH metered data		-
502, 3.3.2.4; 514, 7.4.15	HHDC confirms collection of final HH metered data to NHHMOA via telephone		-
504, 3.3.2.2; 514, 7.4.16-7.4.17		NHHMOA installs/reconfigures meter and notes final and initial meter register readings	e
504, 3.3.2.2; 514, 7.4.18	NHHMOA issues initial meter register reading on D0010 to NHHDC and D0150 - 'Meter Technical Details' and D0149 - 'Notification of Mapping Details' to Supplier, NHHDC and LDSO.		f, g
504, 3.3.2.3	Supplier sends initial EAC to NHHDC via D0052		a
504, 3.3.2.4-3.3.2.6	NHHDC validates D0052 and resolves any issues with Supplier		
504, 3.3.2.8	NHHDC validates initial meter register reading		j
504, 3.3.2.9-3.3.2.10	NHHDC issues valid/invalid data report on D0010 to Supplier and LDSO [End of BSCP504 Process]		j
514, 7.4.19		NHHMOA issues final meter register reading to HHMOA, confirming that a CoMC has taken place	k
502, 3.3.2.5; 514, 7.4.20	HHMOA sends final meter register reading to HHDC [End of BSCP514 Process]		m
502, 3.3.2.6	HHDC sends final meter register reading on D0010 to Supplier (for both CoMC and CoMC coincident with CoS)		n
502, 3.3.2.7	Supplier terminates HHDC appointment [End of BSCP502 Process]		a