

Market Code Schedule 10

Code Subsidiary Document No.0106

Non-Market Meters

| Version: 1.~~4~~2

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## Change History

Version Number	Date of Issue	Reason For Change	Change Control Reference	Sections Affected
1.1	27/09/2010	Initial Release		
<a href="#">1.2</a>	<a href="#">25/03/2011</a>	<a href="#">Dataloggers</a>	<a href="#">MCCP070</a>	<a href="#">Section 2.1.2</a>
		<a href="#">GIS Coordinates Flow</a>	<a href="#">MCCP071</a>	<a href="#">Section 2.1.2</a>
		<a href="#">March Release Document Update</a>	<a href="#">MCCP075</a>	<a href="#">Section 3.1.2</a>

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# 1. Purpose and scope

This CSD applies when a Non-Market Meter is added to the system to ensure the accurate calculation of wholesale charges at a Complex Site (meter network) by ensuring that the volumes attributed to market meters in the network are accurate.

In general a market meter is a meter that is associated with a SPID. A Non-Market Meter is not associated with a SPID and is often but not always, a domestic meter. There are instances where these Non-Market meters are removed from a Complex Site, but remain in the Central Systems.

Section 2 provides direction to the relevant process for the installation of Non-Market Meters in respect of each scenario.

Section 3 provides direction to the relevant process for the maintenance of Non-Market Meters in respect of each scenario.

## 2. Installing a Non-Market Meter

This section applies when a meter is added to a meter network.

### 2.1.1 Process Description

This description should be read in conjunction with the Process Diagram in Section 2.2 and the Interface and Timetable Requirements in Section 2.3.

### 2.1.2 Description of the Process Diagram steps

#### **Step b: Provide Meter details & Initial Read [T004.0, T005.0]**

Within 2 Business Days of the installation, Scottish Water will provide the CMA with the new meter details, using Data Transaction T004.0 (Notify Meter Details). ~~Scottish Water will also provide the CMA with an Initial Read for that meter using Data Transaction T005.0 (Meter Read) within 2 BD of the installation of the meter, in accordance with CSD 0202 (Meter Read Submission: Process). Scottish Water should note that the T005.0 must be sent after the T004.0, otherwise the new meter will not be recognised in the Central Systems and will result in a Data Transaction T009.1 (Error Notification) being issued to Scottish Water.~~

Included in the T004.0 Data Transaction, alongside the standard Meter Data items, are the meter location details in the form of OSGB X, Y co-ordinates which should be notified in an all numeric format. Also included is a datalogger flag to indicate the presence of dataloggers at a meter. A datalogger is either a Scottish Water Datalogger or a Non-Scottish Water Datalogger. Both datalogger types can be present at a meter at the same time.

Scottish Water will also provide the CMA with an Initial Read for that meter using Data Transaction T005.0 (Meter Read) within 2 BD of the installation of the meter, in accordance with CSD 0202 (Meter Read Submission: Process). Scottish Water should note that the T005.0 must be sent after the T004.0, otherwise the new meter will not be recognised in the Central Systems and will result in a Data Transaction T009.1 (Error Notification) being issued to Scottish Water.

~~Scottish Water will also provide the meter location details, in the form of X, Y co-ordinates in such format and with such frequency as specified by the CMA. Furthermore, in the event that meters are not all installed on the same day, Scottish Water shall update the CMA as and when each meter is installed.~~

**Step c: CMA loads meter details and notifies Scottish Water [T009.0]**

Within 1 Business day the CMA will load the meter details to the Central Systems and notify Scottish Water using Data Transaction T009.0 (Error Notification).

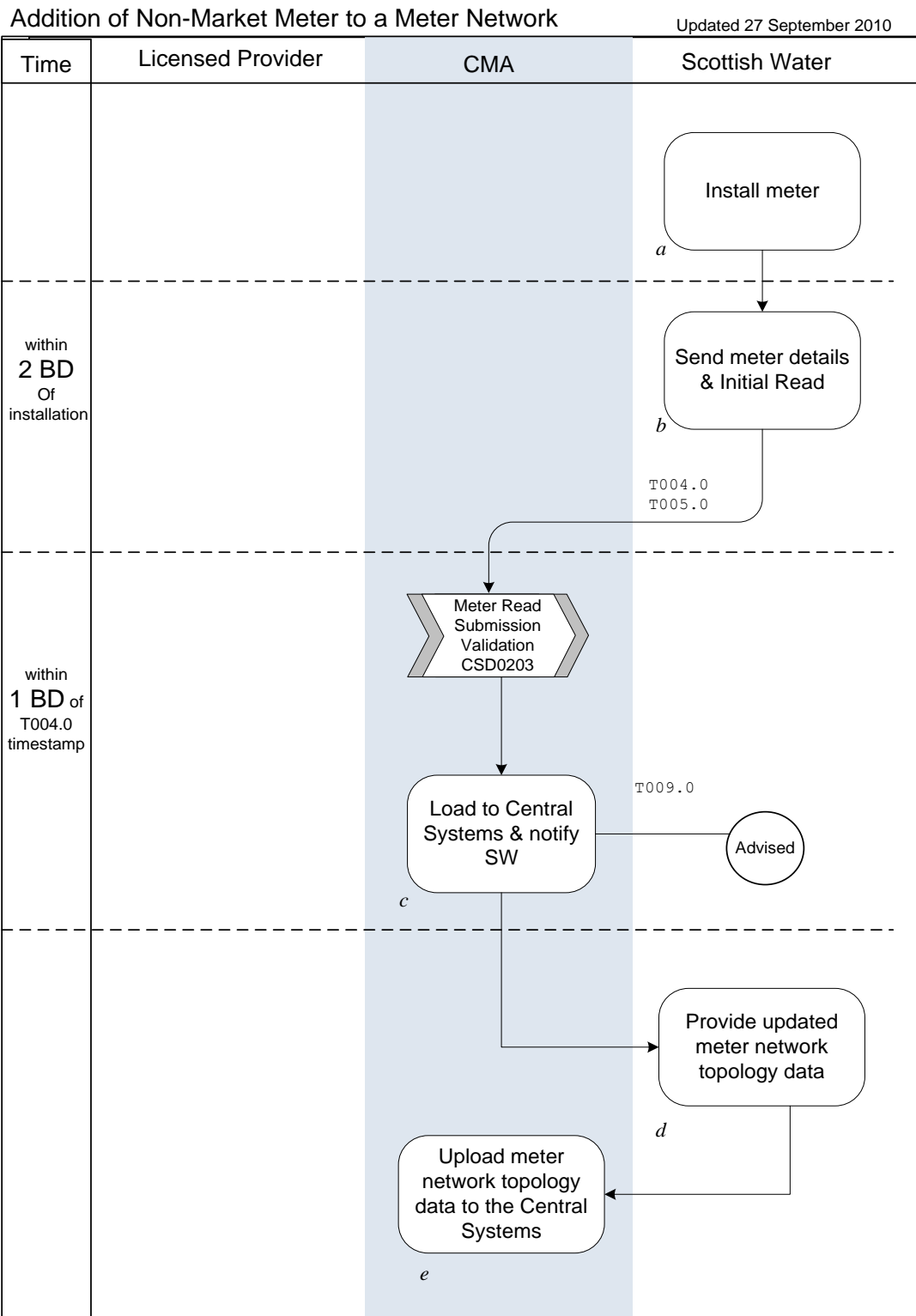
**Step d: Update Network Topology**

Scottish Water will provide updated meter network topology data in such format and with such frequency as specified by the CMA.

**Step e: CMA loads meter network topology data**

The CMA will upload validated updated meter network topology to the Central Systems.

## 2.2 Process Diagram



## 2.3 Interface and Timetable Requirements

step ID	Action/ Decision	Process Step	From	To	Time parameter	Comments	(indicative) Txn ID
a	S	Install meter	SW	internal			
b	S	Send meter data & Initial Read	SW	CMA	within 2 BD of meter installation	Ensure that Meter Read Type is Initial.  X,Y Co-ordinates should be provided	T004.0 T005.0
c	S	Load data and notify Scottish Water	CMA	SW	Within 1 BD of T004.0 timestamp		T009.0
d	S	Provide updated meter network topology data	SW	CMA			
e	S	Load data	CMA	internal			



## 3. Meter Change

### 3.1.1 Process Description

This description should be read in conjunction with the Process Diagram in Section 4.2 and the Interface and Timetable Requirements in Section 4.3.

The process described here covers a “like for like” meter replacement i.e. there is no change to the meter configuration that would result in alteration to the Wholesale Charges.

Following a meter replacement, the meter data for the new meter shall be notified to CMA by Scottish Water within 2 Business Days of the meter replacement. In addition, the meter data for the replacement meter and End and Opening Reads for the meters shall be notified to CMA by Scottish Water.

### 3.1.2 Description of the Process Diagram Steps

This description should be read in conjunction with the Process Diagram in Section 3.2 and the Interface and Timetable Requirements in Section 3.3. The 'step' and 'decision' references appear to the bottom left of each step or decision symbol in the Process Diagram.

#### **Step a: Replacement meter installed**

Scottish Water will replace the meter in accordance with the timescales set out in this CSD.

#### **Step b: Update data to CMA: [T004.0, T017.0]**

Within 2 Business Days of the meter replacement, Scottish Water will provide the CMA with the new meter details, using Data Transaction T004.0 (Notify Meter Details).

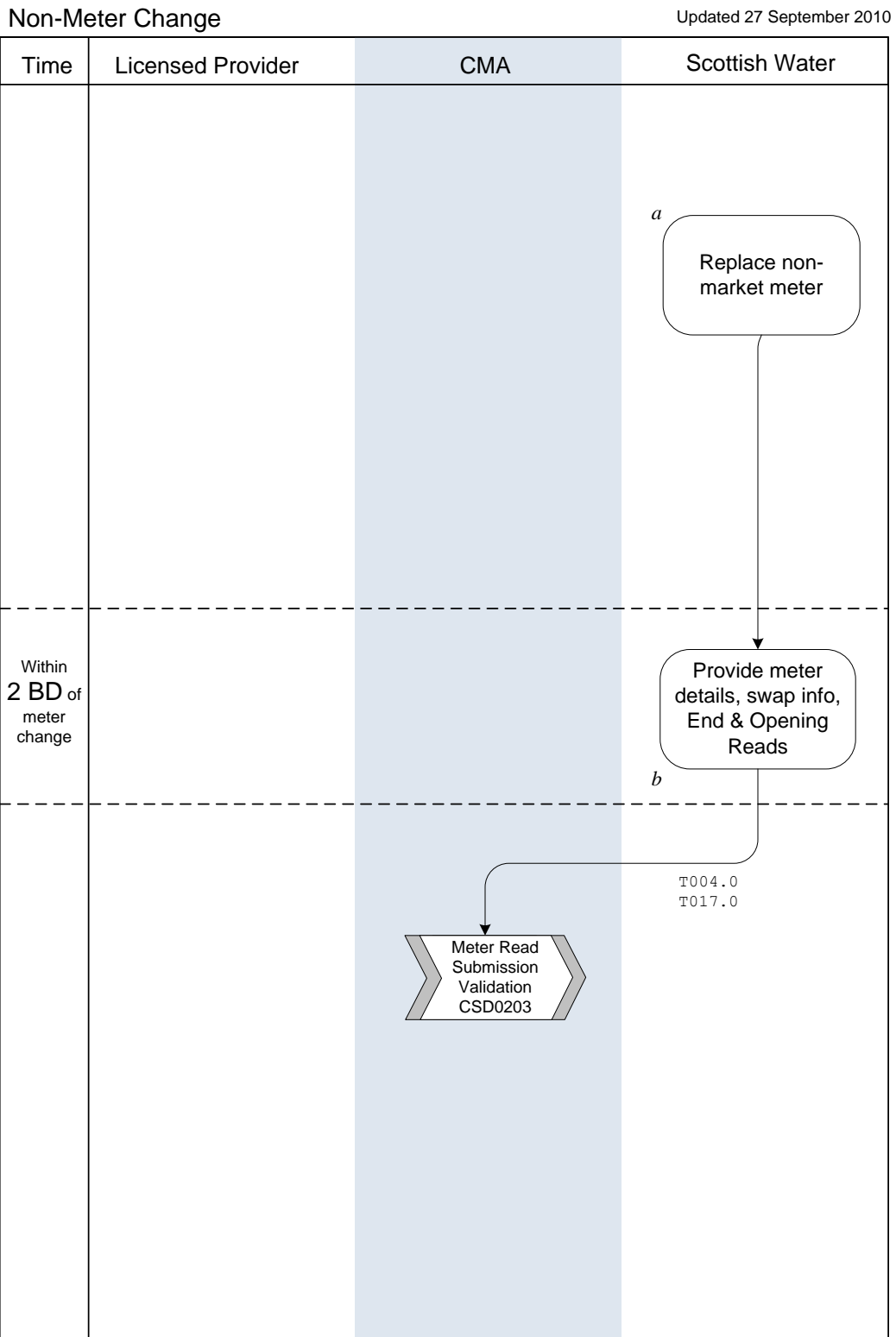
Should the meter replacement involve a change of meter location, this information, in the form of X,Y co-ordinates, should also be provided by Scottish Water in such format and with such frequency as specified by the CMA.

Scottish Water will then issue the CMA with Data Transaction T017.0 (Notify Swap Meter), which includes details of the End and Opening Meter Reads. A SPID should not be included in the T017.0 transaction when swapping a Non-Market Meter as a Non-Market Meter is not associated with a SPID.

Scottish Water should note that the T017.0 must be sent after the T004.0, otherwise the new meter will not be recognised in the Central Systems and will result in a Data Transaction T009.1 (Error Notification) being issued to Scottish Water.

For the avoidance of doubt Scottish Water cannot use a T005.0 Final read to close one meter and use the “Add New Meter” process so swap a meter at a Supply Point.

### 3.2 Process Diagram



### 3.3 Interface and Timetable Requirements

Step ID	Action/ Decision	Process Step	From	To	Time parameter	comments	Market Code Ref	Clause	(indicative) Data Transaction ID
a	S	Replacement Meter installed	SW	internal					
b	S	Provide meter details, swap info, End & Opening Reads	SW	CMA	within 2 BD of meter change	All transactions must be present and must be sent in this order: T004.0 Meter details for new meter T017.0 Swap notification (old, new) X,Y Co-ordinates should also be provided if meter location changes.			T004.0 T017.0