

CMA Scotland

CMA Central System

Release Notes for Software Release 1.4.3

27 July

Version 1

Contents

1. Document Purpose	3
2. Change Details	4
2.1 Re-assessed Charges	4
2.2 Display of Messages on Dashboard	5
2.3 Amend Processing of T005 (I read) after transfers	6
2.4 Use of Effective To Dates in T0026.0 Transactions	6
2.5 SPIDS per LP Report	7
2.6 View TE for Complex SPID	7
2.7 Changes to Yearly Volume at RF	7
2.8 Charges Prior to Connection Date	8
2.9 Schedule 3 not applying correct value for SS SPID with related WS	8
3. Impact on System Functionality.....	10
3.1 Wholesaler User Interface	10
3.2 LP User Interface	10
3.3 Web Services (HVI).....	11
3.4 Aggregation and Settlements	11
3.5 Work Flows	11
3.6 Data Model	12
4. Impact on Configured Items	13
4.1 Market Code	13
4.2 CSDs.....	13
4.3 Schema (HVI) & CSD0301 Annex A	13
4.4 CMA User Guide.....	14
5. Implementation	15
5.1 Application of Upgrade to the Central Systems.....	15
5.2 Environments included in this release	15
5.3 Web Browser Compatibility	16

1. Document Purpose

This document sets out the changes included in Version 1.4.3 of the CMA Central System the provisional date for release into the live environment being between the close of business on 14/08/2009 and start of business on 17/08/2009.

The release note describes the following:

Change Detail (detailed in Section 2)

Impact on System Functionality (detailed in Section 3)

Impact on Configured Items (detailed in Section 4)

Implementation (detailed in Section 5)

2. Change Details

Approved Changes

2.1 Re-assessed Charges

- 2.1.1 This is the sole Approved Change included in Release 1.4.3 which is not related to defect resolution, and forms the bulk of the release effort.
- 2.1.2 Following a direction by the Water Industry Commission for Scotland (WICS) market arrangements are required to support the need for Rateable Value (RV) assessed SPIDs to be changed to one of the assigned annual volumes permitted in the Wholesale Charges Scheme.
- 2.1.3 A solution has been agreed by the Technical Panel MPF Workgroup to meet the Commission proposal for a volume reassessment process for unmetered Supply Points.
- 2.1.4 This was been consolidated into a document "CSD Drafting for Re-assessed Charges v1.0".
- 2.1.5 In order to support this requirement notional meter details (known as Pseudo Meters) will be updated to the CS in order to set the Chargeable Meter Size and Volume for SPIDs that are to move from RV derived methodology to re-assessed parameters.
- 2.1.6 The key process events are:
- a. Scottish Water will notify the CS when the Re-assessed Charges have been confirmed and if any details are to be modified, using Pseudo Meter and YVe information;

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- b. A Pseudo WS SPID is also required if the Supply Point currently receives Sewerage Services only;
 - c. Where a SPID moves from Re-assessed Charges to metered charges, SW notify that the Pseudo Meter is replaced by a physical meter.
- 2.1.7 There are changes to the Market Code and CSDs as well as new and amended transactions to support these events, these are included in Sections 3 and 4 below.
- 2.1.8 The key system changes include:
- a. New Transaction (SW-CMA) T004.3 and relevant data set for Pseudo Meter information, which triggers a T004.1 to LPs;
 - b. New Data Item for Meter Read Frequency to be included in valid set;
 - c. Rejection of specified Transactions events where Pseudo Meter is in place;
 - d. Revised processing of T005.0 Read Types for Pseudo Meters;
 - e. Revised processing of T015.0 Pseudo Meters to use EFD in the T015.0 rather than X or Y Reads;
 - f. Revised processing of T016.0 for Pseudo Meters to align with existing processing for physical meters, so the Unmeasurable end date does not conflict with the commencement of Re-assessed Charges;
 - g. New reporting lines in the Settlement Reports.
 - h. It should be noted that the T005.0 for final meter reads will typically require a re-read.

Defect Corrections

2.2 Display of Messages on Dashboard

- 2.2.1 The Central System (CS) Low Volume Interface (LVI) has been modified such that T001.0 Transactions which do not contain SPIDs are now visible to the LP on the Message Activity Dashboard.

- 2.2.2 The count of pages and transactions displayed has also been corrected to match the view on the dashboard.

2.3 Amend Processing of T005 (I read) after transfers

- 2.3.1 An amendment to the workflow code relating to T005.2 transactions has been made to ensure that the T005.2 (I) is sent only to the current LP based on the data held when the T005.0 transaction is received.
- 2.3.2 For the avoidance of doubt, this means that the outgoing or previous LP will not receive the T005.2(I).
- 2.3.3 This is consistent with the onward processing of other Read Types (other than 'T' – Transfer).

2.4 Use of Effective To Dates in T0026.0 Transactions

- 2.4.1 The processing of the T026.0 transaction via the LVI has been amended such that the Effective To Date (ETD) is passed to the database rather than the transaction date as happened previously.
- 2.4.2 No change has been made to the HVI as this was already passing the ETD to the database.
- 2.4.3 Five (5) T026.0 transactions have been identified to date where the incorrect date has been applied and these errors will be rectified via a Retrospective Amendment following the go-live of Software Release 1.4.3 in the Central Systems.

2.5 SPIDS per LP Report

- 2.5.1 The 'SPIDs per LP' report generated from the LVI has been amended such that the totals are refreshed correctly each time the report is run by authorised users, in this case the CMA.

2.6 View TE for Complex SPID

- 2.6.1 Where a SPID which is part of a complex site has both WS and SS elements, changes have been made to the workflow such that the user can;
- a. View the SS SPID correctly; and
 - b. View the complex flag present on the associated meter(s) from the SS SPID view.

2.7 Changes to Yearly Volume at RF

- 2.7.1 This change relates to a bug relating to the production of the RF settlement run which was found during testing for release 1.4.2.
- 2.7.2 The bug meant that when a SPID is partially registered in a volumetric configuration over a year (e.g. new connection, disconnection etc) the system applied the Yearly Proportion (or scaling factor) to the Actual Yearly volume. This creates incorrect AWA Unit Rates which would have been applied at RF.
- 2.7.3 The code changes introduced in release 1.4.2 that caused this defect have been reverted as part of the current release and testing carried out to ensure no negative impact on any other changes made in this area as part of this or the previous release.

2.8 Charges Prior to Connection Date

- 2.8.1 Changes have been made to CS processing in relation to SPIDs with chargeable elements that have;
- a. Effective From Date(s) (EFD) earlier than the connection date for the SPID; and
 - b. Where the EFD(s) are not in the same Invoice Period as the connection date.
- 2.8.2 Charges will not now be applied until the connection date for the SPID.
- 2.8.3 Settlement Runs occurring after this defect is corrected will return a more accurate settlement result.
- 2.8.4 For the avoidance of doubt, in all cases the calculations themselves were not affected and are correct, rather the dates from which they were applied have been amended as above.
- 2.8.5 In addition to this change, the CMA SP has produced reporting for the CMA to identify the values of items affected in previously produced settlement runs which included:
- a. The chargeable items impacted (e.g. measured water);
 - b. The from and to dates which charges are incorrectly being applied;
 - c. The value of the charges;
 - d. Which LP the charges have been applied to.

2.9 Schedule 3 not applying correct value for SS SPID with related WS

- 2.9.1 The aggregation process has been changed such that where a WS SPID has an associated SS SPID, the Schedule 3 discount value as held at each SPID is applied, rather than the SS SPID using the value held in the WS SPID as previously.

- 2.9.2 Settlement Runs occurring after this defect is corrected will return a more accurate settlement result.

3. Impact on System Functionality

Functional Area	Change Impact	See section
Wholesaler User Interface	Yes	3.1
LP User Interface	Yes	3.2
Web Services (HVI)	Yes	3.3
Aggregation & Settlements	Yes	3.4
Registration	No	
Work Flows	Yes	3.5
Data Model	Yes	3.6

3.1 Wholesaler User Interface

- 3.1.1 Modifications to the Message Display Dashboard as referenced in section 2.2 above.
- 3.1.2 New screen to enter new transaction type T004.3 for use in re-assessed charges process.
- 3.1.3 New T004.3 transaction and changes to Data Item instances for Pseudo Meters.
- 3.1.4 Use of existing D2010 'YVe' data item by Wholesaler in relation to Pseudo Meters.
- 3.1.5 New value in Valid Set for D3011 'Meter Read Frequency'.
- 3.1.6 New error codes in Error/Return Code Set to be displayed on dashboard in relation to Pseudo Meters.

3.2 LP User Interface

- 3.2.1 Modifications to the Message Display Dashboard as referenced in section 2.2 above.
- 3.2.2 New error codes in Error/Return Code Set to be displayed on dashboard in relation to Pseudo Meters.
- 3.2.3 Changes to allow users to view SS SPIDs which are associated to a complex site.

3.3 Web Services (HVI)

- 3.3.1 Changes have been made to the XML schema to accommodate the new data item instances and usages referenced in this document.

3.4 Aggregation and Settlements

- 3.4.1 Changes to Settlement Report output so that 20mm Re-assessed reported separately from other 20mm meters on both aggregated and disaggregated reports.
- 3.4.2 Aggregation revised so that settlement charges are allocated to a new category 20mm Reassessed.
- 3.4.3 CS will only use the SW provided YVe in order to calculate the EWA and volume for a Pseudo Meter for the Invoice Period.
- 3.4.4 The aggregation routine has been changed so that, if the connection date for a SPID is later than the period for which charges are being calculated, then charges will not be calculated for the SPID.

3.5 Work Flows

- 3.5.1 In order to support changes for re-assessed charges the following work flows have been modified:
- a. T004.2 - reject for Pseudo Meters;
 - b. T005.1 - reject for Pseudo Meters;
 - c. T017.0 - reject for Pseudo Meters;
 - d. T005.0 – Amend processing for Pseudo Meters so received reads trigger events e.g. meter discontinued by F Read, but read values are not stored and used for volume calculations;
 - e. T004.3 - New Workflow to process T004.3 transactions;
 - f. T015.0 - changes to stop requirement of X/Y reads to be received for temp disconnections/reconnections;

g. T016.0 – existing processing of Unmeasurable end dates also applied to Pseudo Meters.

3.5.2 In addition the following changes have been made for release 1.4.3:

- a. Workflow amended to ensure use of Effective From Date (EFD) when T026.0 processed;
- b. Change to processor to access correct count information from database view¹ in relation to SPIDS per LP reporting output;
- c. Workflow amended such that the T005.2 (I) is sent only to the LP registered at the time the T005.0 is received;
- d. Change to processor to access correct messages count information to view on dashboard;

3.6 Data Model

3.6.1 In order to support the changes required for re-assessed charges, the following changes have been made to the data model/database:

- a. New Error Codes added;
- b. New Transaction (T004.3) created and referenced;
- c. Extra item in valid set for meter read frequency;
- d. Changes for new domain values and new Transactions;
- e. Extra column on relevant table to distinguish Pseudo Meter.

3.6.2 In addition, the view used to generate the SPIDs per LP report has been amended so that it references the correct data and tables.

¹ For the avoidance of doubt, “view” here refers to the records returned from the database when the internal query runs to produce the report, this is an internal process i.e. not part of the LVI

4. Impact on Configured Items

Changes to the Operational Code and the Market Code, including the CSDs, were submitted to the Commission on Friday 24 July 2009. It is the CMA's expectation that the Commission will mandate these changes to both the Operational Code and the Market Code based on the MPF Working Groups recommendations.

Configured Item	Change Impact	See section
Market Code	Yes	4.1
CSDs	Yes	4.2
Schema (HVI) & CSD0301 Annex A	Yes	4.3
CMA User Guide	Yes	4.4

4.1 Market Code

4.1.1 Changes are to be made to the Market Code to incorporate Re-assessed Charges.

4.1.2 These changes are subject to Commission approval.

4.2 CSDs

4.2.1 The CMA has worked in conjunction with the TP MPF Workgroup and our Service Provider, in order to administer the detailed CSD changes in support of Re-assessed Charges.

4.3 Schema (HVI) & CSD0301 Annex A

4.3.1 The HVI and XML schema have been updated to reflect changes to transactions, workflows and structures captured in this document.

4.4 **CMA User Guide**

4.4.1 The CMA User Guide has been updated in respect of the T004.3 transaction

4.4.2 The CMA will issue a new version to the Market.

5. Implementation

5.1 Application of Upgrade to the Central Systems

The upgrade of the Central System to Version 1.4.3 is currently provisionally scheduled across the various environments as set out below.

Environment	Release Date	Available for use
Production	14/08/2009	17/08/2009

5.2 Environments included in this release

5.2.1 For the avoidance of doubt, the following environments will be impacted by this release:

- a. Production Environment (Dundee One);
- b. Test Environment (Dundee Two);
- c. CMA SP Scenario Test Environment (Dundee Three);
- d. CMA SP UAT Environment;
- e. CMA SP MST Environment.

5.2.2 The software has been pre-released to the following environments for testing purposes:

- a. Test Environment (Dundee Two);
- b. CMA SP Scenario Test Environment (Dundee Three);
- c. CMA SP UAT Environment.

5.2.3 The release implementation as set out in this plan will cover the following environments:

- a. Production Environment (Dundee One);
- b. CMA SP MST Environment.

5.3 **Web Browser Compatibility**

5.3.1 The Low Volume Interface (LVI) is configured for, and is approved for use with the following browsers:

- a. Internet Explorer 6
- b. Internet Explorer 7
- c. Firefox version 2.0.x