



**Software Releases RF Settlement and IP Settlement**

**Software Release Note**

June 2010

Version 1(Published)

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## Revision History

Rev.	Date	Description	Author	Reviewer
Version 1	09/06/10	Draft	Gary Craig	David Nicol

## 1. Document Purpose

This Release Note sets out the changes included in CMA Central System Software Releases 'RF Settlement and IP Settlement'. These changes have been introduced through Project RF. This Note contains details of the changes for the two separate phases of Project RF, namely 'RF Settlement' and 'IP Settlement'. The IP settlements phase of the Project will be delivered into the Production environment after the market closes on Monday 14 June 2010.

## 2. Background

The Release has been developed in response to the approved CMA changes:

MCCP046-CC – Reconciliation Final

MCCP030 – 0mm Chargeable Size

MCCP031 – 20mm Premium

The changes pertaining to this Release focused on known issues with RF settlement calculations, mainly the calculation of multiple AWAs as opposed to a single AWA, as required by the Code Subsidiary Documents. The AWA aspects of MCCP030 and 31 were also addressed and a RF settlement run was successfully completed in March 2010.

A number of IP settlement issues, including the EWA aspects of MCCP030 and 31, were also identified as requiring change. These IP changes will be delivered by a complementary Software Release on 14 June.

With respect to project governance, the overall development of RF Settlement and IP Settlement is being delivered by Project RF.

### **3. Release Contents**

The release covers three core areas:

- i. RF settlement Calculations
- ii. IP Settlement Calculations

## 4. Summary of Changes

	Reference	Project Phase	Title
1	MCCP046  (CMA issues 205-208, 210)	RF	AWA Splitting Year
			Volumetric Metered Water
			Volumetric Sewerage
			Non-Vol Meter Size/RTS
			Charge Period Chunking
2	CMACP001  (CMA issue 010)	RF	TE Minimum Charge
3	CMACP080  (CMA issues 138 & 180)	RF/IP	NDA - EWA/AWA
4	MCCP030  (CMA issue 158)	RF/IP	Charging for 0mm meters
5	MCCP031  (CMA issue 113)	RF/IP	Calculation of 20mm Meters
6	CMACP033  (CMA issues 137 & 152)	IP	LUVA Unit Rate
7	CMACP048  (CMA issue 016)	IP	TDISC charging in Central Systems.

## **Project RF, Phase RF Settlement**

### **1. AWA Calculation**

#### **Arrangement to March 2010**

In the Central System release 1.4.3, the RF Settlement run calculated multiple AWAs. The CS calculated these AWAs by dividing the years into periods of time where there are no changes to significant elements of a given service element. This action is called “chunking”. For each chunk the RF Settlements run in release produced an AWA, resulting in one or more AWAs per Service Element for the report.

#### **Change**

The system has been changed, as per the AWA Specification agreed by the TP, to calculate a single AWA value for each SPID for the appropriate Financial Year and use this to calculate the charges accrued in the RF Settlements run.

The Single AWA value is only calculated for measured Supply Points on both the Water and the Sewerage side.

In the context of the single AWA calculation a measured Supply Point is a Supply Point that contains 1 or more physical meters (re-assessed meters are **not** included). The Supply Point may also contain 0 or more miscellaneous charges.

For Sewerage Supply Points the associated Supply Point must fall into the category above to be considered for calculation.

Supply Points falling into any other category will not be considered for AWA calculation.

## **2. TE Minimum Charges**

### **Arrangement to March 2010**

When a DPID is disconnected mid-year the system was applying the minimum charge for a whole year rather for the number of days the DPID was connected.

### **Change**

The system has been altered to apply Trade Effluent minimum charges correctly when a DPID is disconnected.

## **3. Omm**

### **Arrangement to March 2010**

The system applied a Meter Based Annual Charge to each meter associated to a SPID. In some cases, this is inappropriate as the physical configuration is actually one meter with multiple dials, although the system 'sees' this as two distinct meters.

This leads to additional Meter Based Annual Charges being applied.

### **Change**

The central system has been changed so that any meter with a chargeable size of 0 will attract Meter Based Annual charges of 0. This applies to both water and sewerage.

The central system has been changed to attract no free water allocation or capacity volume charges for meters with a chargeable meter size of 0 for the AWA calculation.



## Software Releases RF Settlement and IP Settlement

The 20mm Premium will not be applied to meters with a Chargeable Meter Size of 0. Meters with a Chargeable Meter Size of 0 will not attract any free water allowance and will have no charges attributed to them.

### **4. 20mm**

#### **Arrangement to March 2010**

The Central Systems applied the 20mm volumetric charge premium only to meters with a chargeable size of 20mm. This results in the under-recovery of wholesale charges from meters with a chargeable size from 1mm up to 19mm.

This premium does **not** apply to meters with a 0mm chargeable size.

#### **Change**

The system has been changed to apply the premium charge to all meters which fall into the volumetric band(s) covering 20mm and less but excluding 0 for the AWA. The change was required to be implemented effective from 1 April 2008 to correct all charges from market opening onwards.

### **5. NDA**

#### **Arrangement to March 2010**

The system was calculating NDA incorrectly when meters were connected/disconnected, DPIDs were connected/disconnected or when the NDA was modified.

#### **Change**

The system has been modified to apply NDA charges correctly under all circumstances for AWA.

## **Project RF, Phase IP Settlement**

### **6. 0mm**

#### **Current Situation**

Currently the central system will always apply a Meter Based Annual Charge to each meter associated to a SPID. In some cases, this is inappropriate as the physical configuration is actually one meter with multiple dials, although the system 'sees' this as two distinct meters.

This leads to additional Meter Based Annual Charges being applied.

#### **Change**

The central system has been changed so that any meter with a chargeable size of 0 will attract Meter Based Annual charges of 0. This applies to both water and sewerage.

The central system has been changed to attract no free water allocation or capacity volume charges for meters with a chargeable meter size of 0 for the EWA calculation.

The 20mm Premium will not be applied to meters with a Chargeable Meter Size of 0. Meters with a Chargeable Meter Size of 0 will not attract any free water allowance and will have no charges attributed to them.

### **7. 20mm**

#### **Current Arrangements**

Currently the Central Systems apply the 20mm volumetric charge premium only to meters with a chargeable size of 20mm. This results in the under-recovery of wholesale charges from meters with a chargeable size from 1mm up to 19mm.

This premium does **not** apply to meters with a 0mm chargeable size.

### **Change**

The system has been changed to apply the premium charge to all meters which fall into the volumetric band(s) covering 20mm and less but excluding 0 for the EWA.

## **8. NDA**

### **Current Arrangement**

The system was calculating NDA incorrectly when meters were connected/disconnected, DPIDs were connected/disconnected or when the NDA was modified.

### **Change**

The system has been modified to apply NDA charges correctly under all circumstances for the EWA.

## **9. LUVA Unit Rate**

### **Current Arrangements**

Currently the system does not apply the Yearly Proportion correctly to LUVA during IP based settlement runs

### **Change**

The system has been changed so that LUVA is applied correctly for IP based settlement runs for the EWA.

## **10. TDISC**

### **Current Arrangement**

Following direction from WICS<sup>1</sup> the following charge types are not charging during periods of temporary disconnection, these types are as follows:-

- Water
  - Water Services To Caravans
  - Outside Taps
  - Taps And Troughs
- Sewerage
  - Property Drainage
  - Road Drainage
  - Sewerage Services To Caravans

### **Change**

The system has been changed so that the above charges will now be applied during periods of Temporary Disconnection.

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<sup>1</sup> See CMA Bulletin BU059

## 5. Impact on System Functionality

Functional Area	Change Impact	See section
Wholesaler User Interface	No	4
LP User Interface	No	4
Web Services (HVI)	No	4
Aggregation & Settlements	Yes	4
Registration	No	
Work Flows	No	4
Data Model	Yes	4

### 1. Wholesaler User Interface

N/A

### 2. LP User Interface

N/A

### 3. Web Services (HVI)

N/A

### 4. Aggregation and Settlements

See section 4.

### 5. Work Flows

N/A

### 6. Data Model

N/A

## 6. Impact on Configured Items

There are no changes to the Operational Code and the Market Code, including the CSDs.

Configured Item	Change Impact	See section
Market Code	Yes	4 (Definitions only)
CSDs	Yes	4
Schema (HVI) & CSD0301 Annex A	No	

## 7. Implementation

### i. Promotion of Release to the Central Systems

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

Environment	Release Date	Available for use
Production	Mon 14 <sup>th</sup> June 2010	Mon 14 <sup>th</sup> June 2010

### ii. Environments included in this release

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

- Production Environment (Dundee One)

- CMA SP Scenario Test Environment (Dundee Three)<sup>2</sup>

**iii. Web Browser Compatibility**

N/A

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<sup>2</sup> Dundee 2 will be not be updated until the Customer Names Release goes to the Production environment. This is scheduled for 28 June.