

**Market Code Schedule 23**

**Code Subsidiary Document No. 0207**

**RF Charge Calculation, Allocation and Aggregation**

**Version 1.3**

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## Change History

Version Number	Date of Issue	Reason for Change	Change Control Reference	Sections Affected
1.0	2010-03-29	New Release for RF Calculation	MCCP046-CC	All
1.1	2010-10-27	Clarification re application of SGES Credit	MCCP064	Footnote to section 2.4.10
1.2	March 2011	Enduring Rollover Solution	MCCP053	Equation section 2.3.18
1.3	2012-04-01	Introduction of Deregistration	MCCP052, MCCP079	Sections 2.1 and 3.1

## 2. Primary Water Charges

### 2.1. General

**2.1.1.** The following calculation is carried out for each Water SPID which is chargeable within the RF Settlement Period.

**2.1.2.** A Settlement Day runs from midnight to midnight.

**2.1.3.** Define the RF Settlement Period by a pair of days  $D_l^{RF}$ ,  $D_u^{RF}$  such that the RF Settlement Period comprises Settlement Days  $d$  such that  $D_l^{RF} \leq d < D_u^{RF}$ . Note that the lowest bound day  $D_l^{RF}$  is included, but the upper bound day  $D_u^{RF}$  is not. In this description the full Settlement Year 2008-09 would be described by:

$$\begin{aligned} D_l^{RF} &= \text{1st April 2008} \\ D_u^{RF} &= \text{1st April 2009} \end{aligned}$$

**2.1.4.** If the SPID has a Permanent Disconnection Date, define the SPID Disconnection Date to be the date of Permanent Disconnection. If the SPID has a Deregistration Date, define the SPID Disconnection Date to be the date of Deregistration.

**2.1.5.** Define the SPID Chargeable Period as the period for which the SPID is (potentially) in charge from the SPID Connection Date to the day before the SPID Disconnection Date. It can also be defined by a pair of days  $D_l^A$ ,  $D_u^A$  where  $D_l^A \leq D_u^A$ , and the SPID is chargeable for all days  $d$  where  $d \geq D_l^A$  and  $d < D_u^A$ . Again, the lower bound day is included, but the upper bound day is not.

**2.1.6.** If the SPID Disconnection Date is not defined, then set  $D_u^A = D_u^{RF}$ , ie to be the day after the last day of the tariff year.

**2.1.7.** If  $D_l^A = D_u^A$  then there are no chargeable days.

**2.1.8.** For the avoidance of doubt the SPID Chargeable Period includes periods of vacancies, temporary disconnections, SGES etc. Appropriate adjustments for charges for these periods are made further on in the process.

## 3. Primary Sewerage Charges

### 3.1. General

**3.1.1.** Carry out the following calculation for each Sewerage SPID which is chargeable within the RF Settlement Period.

**3.1.2.** The RF Settlement Period is defined by a pair of days  $D_l^{RF}$ ,  $D_u^{RF}$  such that the RF Settlement Period comprises Settlement Days  $d$  such that  $D_l^{RF} \leq d < D_u^{RF}$ . Note that the lowest bound day  $D_l^{RF}$  is included, but the upper bound day  $D_u^{RF}$  is not. In this description the full Settlement Year 2008-09 would be described by:

$$\begin{aligned} D_l^{RF} &= \text{1st April 2008} \\ D_u^{RF} &= \text{1st April 2009} \end{aligned}$$

**3.1.3.** The SPID Chargeable Period is defined as the period for which the Sewerage SPID is (potentially) in charge from the Sewerage SPID Connection Date to the day before the Sewerage SPID Disconnection Date.<sup>8</sup> It can also be defined by a pair of days  $D_l^A, D_u^A$  where  $D_l^A \leq D_u^A$ , and the SPID is chargeable for all days  $d$  where  $d \geq D_l^A$  and  $d < D_u^A$ . Again, the lower bound day is included, but the upper bound day is not.

**3.1.4.** If the SPID Disconnection Date is not defined, then set  $D_u^A = D_u^{RF}$ , ie to be the day after the last day of the tariff year.

**3.1.5.** If  $D_l^A = D_u^A$  then there are no chargeable days.

**3.1.6.** For the avoidance of doubt the SPID Chargeable Period includes periods of vacancies, temporary disconnections, SGES etc. Appropriate adjustments for charges for these periods are made further on in the algorithm

**3.1.7.** For each Sewerage SPID, establish the SPID Settlement Chargeable Period  $D_l^S \leq d < D_u^S$  which is the (possibly empty) sub-period for which the SPID Chargeable Period intersects the RF Settlement Period, and is given by  $D_l^S, D_u^S$  where

$$\begin{aligned} D_l^S &= \max(D_l^A, D_l^{RF}) \\ D_u^S &= \min(D_u^A, D_u^{RF}) \end{aligned}$$

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<sup>8</sup>Defined analogously to in section 2.1.4.