



Initial Periodic Consumption Values Non-Quarter Hourly Meter Readings

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1 Purpose of Document

This document is intended to provide Suppliers with details of the parameter values to be used by ESB Networks System for Periodic Consumption and the Estimated Usage Factor.

These parameter values are the result of the exercise that has been carried out by ESB Networks as part of the MOIP Programme, and referred to within the Briefing Document entitled "Estimation of Non-Quarter Hourly Meter Readings"

The "Estimation of Non-Quarter Hourly Meter Readings" Briefing Document describes the purpose of the Periodic Consumption and its use in the estimation procedure for NQH installations.

The "Aggregation Briefing Document" describes the purpose of the Estimated Usage Factor and its use in the Data Aggregation procedure.

This document contains:

- Introduction and Context
 - Background to Periodic Consumption and Estimated Usage Factors for
 - A. Migrated values for Existing Installations
 - B. Parameter values for New Installations
 - Background to Requestable and Non-Requestable MCCs
- Determination of the Default Parameter values for Periodic Consumption and Estimated Usage Factors
- Parameter values for Default Periodic Consumption and Estimated Usage Factors
 - Requestable MCCs
 - Non-Requestable MCCs

2 Introduction & Context

Periodic Consumption is a value representing an estimated annual consumption for a register.

The ESB Networks Non quarter hourly estimation procedure will base estimates on a Periodic Consumption value in the following cases:

- Where representative base period does not exist within the history of actual meter readings.
- On first installation of a meter where no meter reading history exists.

Refer to the Data Aggregation Briefing Document for details of the how the Estimated Usage Factor is used in the aggregation process.

A. Migrated values for Existing Installations

PERIODIC CONSUMPTION

For Non - PES registers; EAC values held in the interim MRSO system will be migrated and stored as the default periodic consumption for that register.

For PES registers; the periodic consumption values will be determined as part of the data conversion exercise from the PES meter reading history which is available for that register.

ESTIMATED USAGE FACTORS

At cutover, for an MPRN there will be one Estimated Usage Factor [EUF] generated per time of use [TOU].

For Non-PES MPRNs; EAC values held in the interim MRSO system will be migrated and stored as the Estimated Usage Factor [EUF]. The exception is that where there are multiple registers per Time of Use [TOU] then the EUF for that TOU will be the sum of the EACs of registers with that same TOU.

For PES MPRNs, because there is no EAC held on legacy systems, the EUFs will be based on the available meter reading history and calculated in a manner similar to the way the EUF will be calculated post go-live. In the absence of a meter reading history for an MPRN, the relevant parameter values as per new installation will be used.

For De-energised MPRNs, the EUF will be set to 0.00000001.

B. Parameter values for New Installations

The ESB Networks Non Quarter hourly Estimation procedure will base estimates on a periodic consumption value on the first installation of a meter where no meter reading history exists.

DEFAULT PERIODIC CONSUMPTION FIGURES

For new installations, no meter reading history exists. Default initial periodic consumption values are used in the calculation of estimates. These figures are held in an internal parameter table in SAP for each combination of Duos Group, MCC and Register for non-maximum demand installations, and for each combination of Duos Group, MCC, Register and Load Factor for maximum demand installations.

The parameter values that are defined are the result of the exercise that has been carried out by ESB Networks as part of the MOIP Programme, and referred to within the Briefing Document entitled "Estimation of Non-Quarter Hourly Meter Readings"

DEFAULT ESTIMATED USAGE FACTORS

An estimated usage factor will be allocated to every Timeslot applicable at a meter point.

Where there is a **single** register at a meter point for a timeslot, then the initial estimated usage factor for that timeslot will be equal **to the default periodic consumption value allocated to the register.**

Where there are **multiple** registers at a meter point with the same timeslot, then the initial estimated usage factor for that timeslot will **be the sum of the default periodic consumption values allocated to the registers.**

In short, the initial periodic consumption figures defined in this document will also form the basis for Initial EUF values.

BACKGROUND TO REQUESTABLE AND NON-REQUESTABLE MCCS

The Briefing Document "Meter Configuration Code Guidance Notes" described how Meter Configuration Codes [MCCs] fall into two categories: MCCs that can be requested by Suppliers and MCCs that can not be requested by Suppliers.

Requestable MCCs

- There is a set of standard Metering Configurations which may be requested by Suppliers following implementation in Jan. 2005. Each standard metering scenario will have its own MCC assigned and each NQH meter point will be allocated the appropriate default periodic consumption and EUF values as detailed in the section "Initial Periodic Consumption and EUF values by Requestable MCCs".

Non-Requestable MCCs

- There is a set of non standard MCCs that Suppliers may not request. No new installations will be set up with non-requestable MCCs, nevertheless Default Periodic Consumption and EUF values have been determined for use where appropriate, for existing installations. These are detailed in the section "Initial Periodic Consumption and EUF values by Non-Requestable MCCs".
- There are a small number (27) of existing NQH sites for DG5A and DG6A and these combinations of MCC and Duos groups will be non-requestable in future.

3 Initial Periodic Consumption Determination

Initial Periodic Consumption Determination

The exercise to determine the Default Periodic Consumption values was based on historical meter reading data. The sample size was 1.6 million MPRNs and contained one year's historical meter reading data. The values that have been calculated have been based on a mapping exercise that matched the consumption figures from legacy data to a combination of Duos Group, MCC and Register, and have been averaged at a register level.

Periodic consumption figures for DG5A are based on DG5 and DG6A are based on DG6 and as previously stated they will be non-requestable in future. For the small number (27) or existing sites the periodic consumption will be looked at on a case by case basis at migration.

The exercise determined that certain wattless figures would have been greater than one third of the total kWhs. In these cases the wattless figures have been rounded down to less than one third (99% of one third) of the total kWhs (where this has occurred, the wattless figure has been highlighted in the following tables). The intention is that where Default Periodic Consumption is used for the purposes of estimation for DUOS, wattless would not automatically incur a DUoS surcharge at that billing because of estimation.

The default figures are listed in the following sections by DG Group, MCC and Register by DG, MCC and in addition for Maximum Demand by Standard Profile.

INITIAL EUF DETERMINATION.

The EUF values have been based on the periodic consumption figures.

The default figures for each appropriate Time of Use are listed in the following section by DG, MCC and in addition for Maximum Demand by Standard Profile.

4 Initial Periodic Consumption and EUF values by Requestable MCCs

The output of the exercise above provides the initial periodic consumption figures by all valid combinations of Duos Group, MCC and for Register and in addition for Maximum Demand by Standard Profile that will be input into the parameter table in SAP and used to estimate consumption for new installations where no meter reading history exists.

Figures for EUF are provided for those timeslots that are appropriate for the MCC.

The table below gives the figures by all **requestable** MCCs under the new market rules.

| Billing Class | MCC01 | | Standard Profile | Register Description | Proposed Initial periodic Consumption | TIMESLOT | | |
|---------------|-------|-----------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG1 | MCC01 | 24 hour | 01 | 24 hr | 3683 | 3683 | | |
| DG1 | MCC02 | Day/Night | 02 | Day | 2964 | | 2964 | 3597 |
| DG1 | MCC02 | Day/Night | 02 | Night | 3597 | | | |
| DG1 | MCC03 | 24h+NSH | 01 | 24 hr | 3683 | 3683 | | 3937 |
| DG1 | MCC03 | 24h+NSH | 01 | Night Storage Heating | 3937 | | | |
| DG2 | MCC01 | 24 hour | 03 | 24 hr | 3672 | 3672 | | |
| DG2 | MCC02 | Day/Night | 04 | Day | 6829 | | 6829 | 5295 |
| DG2 | MCC02 | Day/Night | 04 | Night | 5295 | | | |
| DG2 | MCC03 | 24h+NSH | 03 | 24 hr | 3672 | 3672 | | 3937 |
| DG2 | MCC03 | 24h+NSH | 03 | Night Storage Heating | 3937 | | | |
| DG5 | MCC01 | 24 hour | 05 | 24 hr | 9204 | 9204 | | |
| DG5 | MCC02 | Day/Night | 06 | Day | 32715 | | 32715 | 16190 |
| DG5 | MCC02 | Day/Night | 06 | Night | 16190 | | | |
| DG5 | MCC03 | 24h+NSH | 05 | 24 hr | 9204 | 9204 | | 9043 |
| DG5 | MCC03 | 24h+NSH | 05 | Night Storage Heating | 9043 | | | |



| Billing Class | MCC01 | | Standard Profile | Register Description | Proposed Initial periodic Consumption | TIMESLOT | | |
|---------------|-------|-----------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG5 | MCC04 | D/N+W | 06 | Day | 32715 | | 32715 | 16190 |
| DG5 | MCC04 | D/N+W | 06 | Wattless | 16139 | | | |
| DG5 | MCC04 | D/N+W | 06 | Night | 16190 | | | |
| DG5 | MCC07 | 24H+NSH+W | 05 | 24 hr | 9204 | 9204 | | 9043 |
| DG5 | MCC07 | 24H+NSH+W | 05 | Wattless | 6022 | | | |
| DG5 | MCC07 | 24H+NSH+W | 05 | Night Storage Heating | 9043 | | | |
| DG5 | MCC08 | 24h+W | 05 | 24 hr | 9204 | 9204 | | |
| DG5 | MCC08 | 24h+W | 05 | Wattless | 3037 | | | |
| DG6 | MCC06 | MDNm+PK | 07 | Day | 258426 | | 258426 | 100442 |
| DG6 | MCC06 | MDNm+PK | 07 | Wattless | 107310 | | | |
| DG6 | MCC06 | MDNm+PK | 07 | Night | 100442 | | | |
| DG6 | MCC06 | MDNm+PK | 8 | Day | 258426 | | 258426 | 100442 |



| Billing Class | MCC01 | | Standard Profile | Register Description | Proposed Initial periodic Consumption | TIMESLOT | | |
|---------------|-------|---------|------------------|----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG6 | MCC06 | MDNm+PK | 8 | Wattless | 107310 | | | |
| DG6 | MCC06 | MDNm+PK | 8 | Night | 100442 | | | |
| DG6 | MCC06 | MDNm+PK | 09 | Day | 258426 | | 258426 | 100442 |
| DG6 | MCC06 | MDNm+PK | 09 | Wattless | 107310 | | | |
| DG6 | MCC06 | MDNm+PK | 09 | Night | 100442 | | | |



5 Initial Periodic Consumption and EUF values by Non- Requestable MCCs

The following table provides the initial periodic consumption figures by all non requestable MCCs.

| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|------------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG1 | MCC51 | D/N+NSH | 02 | Day | 2964 | | 2964 | 7534 |
| DG1 | MCC51 | D/N+NSH | 02 | Night Storage Heating | 3937 | | | |
| DG1 | MCC51 | D/N+NSH | 02 | Night | 3597 | | | |
| DG1 | MCC53 | 2 X D/N | 02 | Day | 2964 | | 5928 | 7194 |
| DG1 | MCC53 | 2 X D/N | 02 | Night | 3597 | | | |
| DG1 | MCC57 | 24h+Day | 01 | 24 hr | 3683 | 3683 | 2964 | |
| DG1 | MCC57 | 24h+Day | 01 | Day | 2964 | | | |
| DG1 | MCC58 | 24h+D/N | 01 | 24 hr | 3683 | 3683 | 2964 | 3597 |
| DG1 | MCC58 | 24h+D/N | 01 | Day | 2964 | | | |
| DG1 | MCC58 | 24h+D/N | 01 | Night | 3597 | | | |
| DG1 | MCC60 | 24h+D/N+NS | 01 | 24 hr | 3683 | 3683 | 2964 | 7534 |
| DG1 | MCC60 | 24h+D/N+NS | 01 | Day | 2964 | | | |
| DG1 | MCC60 | 24h+D/N+NS | 01 | Night Storage Heating | 3937 | | | |
| DG1 | MCC60 | 24h+D/N+NS | 01 | Night | 3597 | | | |
| DG1 | MCC61 | 2x24h | 01 | 24 hr | 3683 | 7366 | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|-----------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG1 | MCC62 | 2x24h+NSH | 01 | 24 hr | 3683 | 7366 | | 3937 |
| DG1 | MCC62 | 2x24h+NSH | 01 | Night Storage Heating | 3937 | | | |
| DG1 | MCC63 | 2x24h+Day | 01 | 24 hr | 3683 | 7366 | 2964 | |
| DG1 | MCC63 | 2x24h+Day | 01 | Day | 2964 | | | |
| DG1 | MCC65 | 3X24h | 01 | 24 hr | 3683 | 11049 | | |
| DG1 | MCC67 | 3X24h+Day | 01 | 24 hr | 3683 | 11049 | 2964 | |
| DG1 | MCC67 | 3X24h+Day | 01 | Day | 2964 | | | |
| DG1 | MCC70 | 3x24h+NSH | 01 | 24 hr | 3683 | 11049 | | 3397 |
| DG1 | MCC70 | 3x24h+NSH | 01 | Night Storage Heating | 3937 | | | |
| DG1 | MCC71 | 4x24h | 01 | 24 hr | 3683 | 14732 | | |
| DG1 | MCC73 | 4x24h+NSH | 01 | 24 hr | 3683 | 14732 | | 3397 |
| DG1 | MCC73 | 4x24h+NSH | 01 | Night Storage Heating | 3937 | | | |
| DG1 | MCC74 | 5x24h | 01 | 24 hr | 3683 | 18415 | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|-----------|------------------|-----------------------|---------------------------------------|--------------|----------|------------|
| | | | | | | EU F 24 Hour | EU F Day | EU F Night |
| DG1 | MCC75 | 24h+2xNSH | 01 | 24 hr | 3683 | 3683 | | 7874 |
| DG1 | MCC75 | 24h+2xNSH | 01 | Night Storage Heating | 3937 | | | |
| DG1 | MCC79 | 5x24h+NSH | 01 | 24 hr | 3683 | 18415 | | 3937 |
| DG1 | MCC79 | 5x24h+NSH | 01 | Night Storage Heating | 3937 | | | |
| DG2 | MCC51 | D/N+NSH | 04 | Day | 6829 | | 6829 | 9232 |
| DG2 | MCC51 | D/N+NSH | 04 | Night Storage Heating | 3937 | | | |
| DG2 | MCC51 | D/N+NSH | 04 | Night | 5295 | | | |
| DG2 | MCC53 | 2 X D/N | 04 | Day | 6829 | | 13658 | 10590 |
| DG2 | MCC53 | 2 X D/N | 04 | Night | 5295 | | | |
| DG2 | MCC57 | 24h+Day | 03 | 24 hr | 3672 | 3672 | 6829 | |
| DG2 | MCC57 | 24h+Day | 03 | Day | 6829 | | | |
| DG2 | MCC58 | 24h+D/N | 03 | 24 hr | 3672 | 3672 | 6829 | 5295 |
| DG2 | MCC58 | 24h+D/N | 03 | Day | 6829 | | | |
| DG2 | MCC58 | 24h+D/N | 03 | Night | 5295 | | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|------------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUf 24 Hour | EUf Day | EUf Night |
| DG2 | MCC60 | 24h+D/N+NS | 03 | 24 hr | 3672 | 3672 | 6829 | 9232 |
| DG2 | MCC60 | 24h+D/N+NS | 03 | Day | 6829 | | | |
| DG2 | MCC60 | 24h+D/N+NS | 03 | Night Storage Heating | 3937 | | | |
| DG2 | MCC60 | 24h+D/N+NS | 03 | Night | 5295 | | | |
| DG2 | MCC61 | 2x24h | 03 | 24 hr | 3672 | 7344 | | |
| DG2 | MCC62 | 2x24h+NSH | 03 | 24 hr | 3672 | 7344 | | 3937 |
| DG2 | MCC62 | 2x24h+NSH | 03 | Night Storage Heating | 3937 | | | |
| DG2 | MCC63 | 2x24h+Day | 03 | 24 hr | 3672 | 7344 | 6829 | |
| DG2 | MCC63 | 2x24h+Day | 03 | Day | 6829 | | | |
| DG2 | MCC65 | 3X24h | 03 | 24 hr | 3672 | 11016 | | |
| DG2 | MCC67 | 3X24h+Day | 03 | 24 hr | 3672 | 11016 | 6829 | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|-----------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG2 | MCC67 | 3X24h+Day | 03 | Day | 6829 | | | |
| DG2 | MCC70 | 3x24h+NSH | 03 | 24 hr | 3672 | 11016 | | 3937 |
| DG2 | MCC70 | 3x24h+NSH | 03 | Night Storage Heating | 3937 | | | |
| DG2 | MCC71 | 4x24h | 03 | 24 hr | 3672 | 14688 | | |
| DG2 | MCC73 | 4x24h+NSH | 03 | 24 hr | 3672 | 14688 | | 3937 |
| DG2 | MCC73 | 4x24h+NSH | 03 | Night Storage Heating | 3937 | | | |
| DG2 | MCC74 | 5x24h | 03 | 24 hr | 3672 | 18360 | | |
| DG2 | MCC75 | 24h+2xNSH | 03 | 24 hr | 3672 | 3672 | | 7874 |
| DG2 | MCC75 | 24h+2xNSH | 03 | Night Storage Heating | 3937 | | | |
| DG2 | MCC79 | 5x24h+NSH | 03 | 24 hr | 3672 | 18360 | | 3937 |
| DG2 | MCC79 | 5x24h+NSH | 03 | Night Storage Heating | 3937 | | | |
| DG5 | MCC51 | D/N+NSH | 06 | Day | 32715 | | 32715 | 25233 |
| DG5 | MCC51 | D/N+NSH | 06 | Night Storage Heating | 9043 | | | |
| DG5 | MCC51 | D/N+NSH | 06 | Night | 16190 | | | |
| DG5 | MCC53 | 2 X D/N | 06 | Day | 32715 | | 65430 | 32380 |
| DG5 | MCC53 | 2 X D/N | 06 | Night | 16190 | | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|------------|------------------|----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG5 | MCC57 | 24h+Day | 05 | 24 hr | 9204 | 9204 | 32715 | |
| DG5 | MCC57 | 24h+Day | 05 | Day | 32715 | | | |
| DG5 | MCC58 | 24h+D/N | 05 | 24 hr | 9204 | 9204 | 32715 | 16190 |
| DG5 | MCC58 | 24h+D/N | 05 | Day | 32715 | | | |
| DG5 | MCC58 | 24h+D/N | 05 | Night | 16190 | | | |
| DG5 | MCC59 | 24h+D/N+W | 05 | 24 hr | 9204 | 9204 | 32715 | 16190 |
| DG5 | MCC59 | 24h+D/N+W | 05 | Day | 32715 | | | |
| DG5 | MCC59 | 24h+D/N+W | 05 | Wattless | 19176 | | | |
| DG5 | MCC59 | 24h+D/N+W | 05 | Night | 16190 | | | |
| DG5 | MCC60 | 24h+D/N+NS | 05 | 24 hr | 9204 | 9204 | 32715 | 25233 |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|------------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUf 24 Hour | EUf Day | EUf Night |
| DG5 | MCC60 | 24h+D/N+NS | 05 | Day | 32715 | | | |
| DG5 | MCC60 | 24h+D/N+NS | 05 | Night Storage Heating | 9043 | | | |
| DG5 | MCC60 | 24h+D/N+NS | 05 | Night | 16190 | | | |

| | | | | | | | | |
|-----|-------|-------|----|-------|------|-------|--|--|
| DG5 | MCC61 | 2x24h | 05 | 24 hr | 9204 | 18408 | | |
|-----|-------|-------|----|-------|------|-------|--|--|

| | | | | | | | | |
|-----|-------|-----------|----|-----------------------|------|-------|--|------|
| DG5 | MCC62 | 2x24h+NSH | 05 | 24 hr | 9204 | 18408 | | 9043 |
| DG5 | MCC62 | 2x24h+NSH | 05 | Night Storage Heating | 9043 | | | |

| | | | | | | | | |
|-----|-------|-----------|----|-------|-------|-------|-------|--|
| DG5 | MCC63 | 2x24h+Day | 05 | 24 hr | 9204 | 18408 | 32715 | |
| DG5 | MCC63 | 2x24h+Day | 05 | Day | 32715 | | | |

| | | | | | | | | |
|-----|-------|---------|----|----------|------|-------|--|--|
| DG5 | MCC64 | 2x24h+W | 05 | 24 hr | 9204 | 18408 | | |
| DG5 | MCC64 | 2x24h+W | 05 | Wattless | 6075 | | | |

| | | | | | | | | |
|-----|-------|-------|----|-------|------|-------|--|--|
| DG5 | MCC65 | 3X24h | 05 | 24 hr | 9204 | 27612 | | |
|-----|-------|-------|----|-------|------|-------|--|--|

| | | | | | | | | |
|-----|-------|-----------|----|-------|-------|-------|-------|--|
| DG5 | MCC67 | 3X24h+Day | 05 | 24 hr | 9204 | 27612 | 32715 | |
| DG5 | MCC67 | 3X24h+Day | 05 | Day | 32715 | | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|-----------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG5 | MCC70 | 3x24h+NSH | 05 | 24 hr | 9204 | 27612 | | 9043 |
| DG5 | MCC70 | 3x24h+NSH | 05 | Night Storage Heating | 9043 | | | |
| DG5 | MCC71 | 4x24h | 05 | 24 hr | 9204 | 36816 | | |
| DG5 | MCC72 | 3x24h+W | 05 | 24 hr | 9204 | 27612 | | |
| DG5 | MCC72 | 3x24h+W | 05 | Wattless | 9112 | | | |
| DG5 | MCC73 | 4x24h+NSH | 05 | 24 hr | 9204 | 36816 | | 9043 |
| DG5 | MCC73 | 4x24h+NSH | 05 | Night Storage Heating | 9043 | | | |
| DG5 | MCC74 | 5x24h | 05 | 24 hr | 9204 | 46020 | | |
| DG5 | MCC75 | 24h+2xNSH | 05 | 24 hr | 9204 | 9204 | | 18086 |
| DG5 | MCC75 | 24h+2xNSH | 05 | Night Storage Heating | 9043 | | | |
| DG5 | MCC76 | 4x24h+W | 05 | 24 hr | 9204 | 36816 | | |
| DG5 | MCC76 | 4x24h+W | 05 | Wattless | 12149 | | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|-------------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG5 | MCC77 | 2x24h+W+NSH | 05 | 24 hr | 9204 | 18408 | | 9043 |
| DG5 | MCC77 | 2x24h+W+NSH | 05 | Wattless | 9059 | | | |
| DG5 | MCC77 | 2x24h+W+NSH | 05 | Night Storage Heating | 9043 | | | |

| | | | | | | | | |
|-----|-------|-------------|----|-----------------------|--------------|-------|--|------|
| DG5 | MCC78 | 3x24h+W+NSH | 05 | 24 hr | 9204 | 27612 | | 9043 |
| DG5 | MCC78 | 3x24h+W+NSH | 05 | Wattless | 12096 | | | |
| DG5 | MCC78 | 3x24h+W+NSH | 05 | Night Storage Heating | 9043 | | | |
| DG5 | MCC79 | 5x24h+NSH | 05 | 24 hr | 9204 | 46020 | | 9043 |
| DG5 | MCC79 | 5x24h+NSH | 05 | Night Storage Heating | 9043 | | | |

| | | | | | | | | |
|------|-------|---------|----|-------|------|------|--|--|
| DG5A | MCC01 | 24 hour | 05 | 24 hr | 9204 | 9204 | | |
|------|-------|---------|----|-------|------|------|--|--|

| | | | | | | | | |
|------|-------|-----------|----|-------|-------|--|-------|-------|
| DG5A | MCC02 | Day/Night | 06 | Day | 32715 | | 32715 | 16190 |
| DG5A | MCC02 | Day/Night | 06 | Night | 16190 | | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|---------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUf 24 Hour | EUf Day | EUf Night |
| DG5A | MCC03 | 24h+NSH | 05 | 24 hr | 9204 | 9204 | | 9043 |
| DG5A | MCC03 | 24h+NSH | 05 | Night Storage Heating | 9043 | | | |

| | | | | | | | | |
|------|-------|-------|----|----------|--------------|--|-------|-------|
| DG5A | MCC04 | D/N+W | 06 | Day | 32715 | | 32715 | 16190 |
| DG5A | MCC04 | D/N+W | 06 | Wattless | 16139 | | | |
| DG5A | MCC04 | D/N+W | 06 | Night | 16190 | | | |

| | | | | | | | | |
|------|-------|-----------|----|-----------------------|-------------|------|--|------|
| DG5A | MCC07 | 24H+NSH+W | 05 | 24 hr | 9204 | 9204 | | 9043 |
| DG5A | MCC07 | 24H+NSH+W | 05 | Wattless | 6022 | | | |
| DG5A | MCC07 | 24H+NSH+W | 05 | Night Storage Heating | 9043 | | | |

| | | | | | | | | |
|------|-------|-------|----|----------|-------------|------|--|--|
| DG5A | MCC08 | 24h+W | 05 | 24 hr | 9204 | 9204 | | |
| DG5A | MCC08 | 24h+W | 05 | Wattless | 3037 | | | |

| | | | | | | | | |
|------|-------|---------|----|-----------------------|-------|--|-------|-------|
| DG5A | MCC51 | D/N+NSH | 06 | Day | 32715 | | 32715 | 25233 |
| DG5A | MCC51 | D/N+NSH | 06 | Night Storage Heating | 9043 | | | |
| DG5A | MCC51 | D/N+NSH | 06 | Night | 16190 | | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|------------|------------------|----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG5A | MCC53 | 2 X D/N | 06 | Day | 32715 | | 65430 | 32380 |
| DG5A | MCC53 | 2 X D/N | 06 | Night | 16190 | | | |
| DG5A | MCC57 | 24h+Day | 05 | 24 hr | 9204 | 9204 | 32715 | |
| DG5A | MCC57 | 24h+Day | 05 | Day | 32715 | | | |
| DG5A | MCC58 | 24h+D/N | 05 | 24 hr | 9204 | 9204 | 32715 | 16190 |
| DG5A | MCC58 | 24h+D/N | 05 | Day | 32715 | | | |
| DG5A | MCC58 | 24h+D/N | 05 | Night | 16190 | | | |
| DG5A | MCC59 | 24h+D/N+W | 05 | 24 hr | 9204 | 9204 | 32715 | 16190 |
| DG5A | MCC59 | 24h+D/N+W | 05 | Day | 32715 | | | |
| DG5A | MCC59 | 24h+D/N+W | 05 | Wattless | 19176 | | | |
| DG5A | MCC59 | 24h+D/N+W | 05 | Night | 16190 | | | |
| DG5A | MCC60 | 24h+D/N+NS | 05 | 24 hr | 9204 | 9204 | 32715 | 25233 |
| DG5A | MCC60 | 24h+D/N+NS | 05 | Day | 32715 | | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|------------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUf 24 Hour | EUf Day | EUf Night |
| DG5A | MCC60 | 24h+D/N+NS | 05 | Night Storage Heating | 9043 | | | |
| DG5A | MCC60 | 24h+D/N+NS | 05 | Night | 16190 | | | |
| DG5A | MCC61 | 2x24h | 05 | 24 hr | 9204 | 18408 | | |
| DG5A | MCC62 | 2x24h+NSH | 05 | 24 hr | 9204 | 18408 | | 9043 |
| DG5A | MCC62 | 2x24h+NSH | 05 | Night Storage Heating | 9043 | | | |
| DG5A | MCC63 | 2x24h+Day | 05 | 24 hr | 9204 | 18408 | 32715 | |
| DG5A | MCC63 | 2x24h+Day | 05 | Day | 32715 | | | |
| DG5A | MCC64 | 2x24h+W | 05 | 24 hr | 9204 | 18408 | | |
| DG5A | MCC64 | 2x24h+W | 05 | Wattless | 6075 | | | |
| DG5A | MCC65 | 3X24h | 05 | 24 hr | 9204 | 27612 | | |
| DG5A | MCC67 | 3X24h+Day | 05 | 24 hr | 9204 | 27612 | 32715 | |
| DG5A | MCC67 | 3X24h+Day | 05 | Day | 32715 | | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|-----------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG5A | MCC70 | 3x24h+NSH | 05 | 24 hr | 9204 | 27612 | | 9043 |
| DG5A | MCC70 | 3x24h+NSH | 05 | Night Storage Heating | 9043 | | | |
| DG5A | MCC71 | 4x24h | 05 | 24 hr | 9204 | 36816 | | |
| DG5A | MCC72 | 3x24h+W | 05 | 24 hr | 9204 | 27612 | | |
| DG5A | MCC72 | 3x24h+W | 05 | Wattless | 9112 | | | |
| DG5A | MCC73 | 4x24h+NSH | 05 | 24 hr | 9204 | 36816 | | 9043 |
| DG5A | MCC73 | 4x24h+NSH | 05 | Night Storage Heating | 9043 | | | |
| DG5A | MCC74 | 5x24h | 05 | 24 hr | 9204 | 46020 | | |
| DG5A | MCC75 | 24h+2xNSH | 05 | 24 hr | 9204 | 9204 | | 18086 |
| DG5A | MCC75 | 24h+2xNSH | 05 | Night Storage Heating | 9043 | | | |
| DG5A | MCC76 | 4x24h+W | 05 | 24 hr | 9204 | 36816 | | |
| DG5A | MCC76 | 4x24h+W | 05 | Wattless | 12149 | | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|-------------|------------------|-----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUf 24 Hour | EUf Day | EUf Night |
| DG5A | MCC77 | 2x24h+W+NSH | 05 | 24 hr | 9204 | 18408 | | 9043 |
| DG5A | MCC77 | 2x24h+W+NSH | 05 | Wattless | <u>9059</u> | | | |
| DG5A | MCC77 | 2x24h+W+NSH | 05 | Night Storage Heating | 9043 | | | |

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|------|-------|-------------|----|-----------------------|--------------|-------|--|------|
| DG5A | MCC78 | 3x24h+W+NSH | 05 | 24 hr | 9204 | 27612 | | 9043 |
| DG5A | MCC78 | 3x24h+W+NSH | 05 | Wattless | <u>12096</u> | | | |
| DG5A | MCC78 | 3x24h+W+NSH | 05 | Night Storage Heating | 9043 | | | |

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|------|-------|-----------|----|-----------------------|------|-------|--|------|
| DG5A | MCC79 | 5x24h+NSH | 05 | 24 hr | 9204 | 46020 | | 9043 |
| DG5A | MCC79 | 5x24h+NSH | 05 | Night Storage Heating | 9043 | | | |

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|-----|-------|---------|----|-----|--------|--|--------|--------|
| DG6 | MCC05 | MDNm/Pk | 07 | Day | 258426 | | 258426 | 100442 |
|-----|-------|---------|----|-----|--------|--|--------|--------|



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|---------|------------------|----------------------|---------------------------------------|-----------|--------|----------|
| | | | | | | EU24 Hour | EU Day | EU Night |
| DG6 | MCC05 | MDNm/Pk | 07 | Wattless | 107310 | | | |
| DG6 | MCC05 | MDNm/Pk | 07 | Night | 100442 | | | |

| | | | | | | | | |
|-----|-------|---------|----|----------|--------|--|--------|--------|
| DG6 | MCC05 | MDNm/Pk | 08 | Day | 258426 | | 258426 | 100442 |
| DG6 | MCC05 | MDNm/Pk | 08 | Wattless | 107310 | | | |
| DG6 | MCC05 | MDNm/Pk | 08 | Night | 100442 | | | |

| | | | | | | | | |
|-----|-------|---------|----|----------|--------|--|--------|--------|
| DG6 | MCC05 | MDNm/Pk | 09 | Day | 258426 | | 258426 | 100442 |
| DG6 | MCC05 | MDNm/Pk | 09 | Wattless | 107310 | | | |
| DG6 | MCC05 | MDNm/Pk | 09 | Night | 100442 | | | |

| | | | | | | | | |
|------|-------|---------|----|----------|--------|--|--------|--------|
| DG6A | MCC05 | MDNm/Pk | 07 | Day | 258426 | | 258426 | 100442 |
| DG6A | MCC05 | MDNm/Pk | 07 | Wattless | 107310 | | | |
| DG6A | MCC05 | MDNm/Pk | 07 | Night | 100442 | | | |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-----|--|------------------|----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUf 24 Hour | EUf Day | EUf Night |

| | | | | | | | | |
|------|-------|---------|----|----------|--------|--|--------|--------|
| DG6A | MCC05 | MDNm/Pk | 08 | Day | 258426 | | 258426 | 100442 |
| DG6A | MCC05 | MDNm/Pk | 08 | Wattless | 107310 | | | |
| DG6A | MCC05 | MDNm/Pk | 08 | Night | 100442 | | | |

| | | | | | | | | |
|------|-------|---------|----|----------|--------|--|--------|--------|
| DG6A | MCC05 | MDNm/Pk | 9 | Day | 258426 | | 258426 | 100442 |
| DG6A | MCC05 | MDNm/Pk | 09 | Wattless | 107310 | | | |
| DG6A | MCC05 | MDNm/Pk | 09 | Night | 100442 | | | |

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|------|-------|-----------|----|-----|--------|--|--------|--------|
| DG6A | MCC06 | MDNm + Pk | 07 | Day | 258426 | | 258426 | 100442 |
|------|-------|-----------|----|-----|--------|--|--------|--------|



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|-----------|------------------|----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUf 24 Hour | EUf Day | EUf Night |
| DG6A | MCC06 | MDNm + Pk | 07 | Wattless | 107310 | | | |
| DG6A | MCC06 | MDNm + Pk | 07 | Night | 100442 | | | |

| | | | | | | | | |
|------|-------|-----------|----|----------|--------|--|--------|--------|
| DG6A | MCC06 | MDNm + Pk | 08 | Day | 258426 | | 258426 | 100442 |
| DG6A | MCC06 | MDNm + Pk | 08 | Wattless | 107310 | | | |
| DG6A | MCC06 | MDNm + Pk | 08 | Night | 100442 | | | |

| | | | | | | | | |
|------|-------|-----------|----|-----|--------|--|--------|--------|
| DG6A | MCC06 | MDNm + Pk | 09 | Day | 258426 | | 258426 | 100442 |
|------|-------|-----------|----|-----|--------|--|--------|--------|



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption | Timeslot | | |
|---------------|-------|-----------|------------------|----------------------|---------------------------------------|-------------|---------|-----------|
| | | | | | | EUF 24 Hour | EUF Day | EUF Night |
| DG6A | MCC06 | MDNm + Pk | 09 | Wattless | 107310 | | | |
| DG6A | MCC06 | MDNm + Pk | 09 | Night | 100442 | | | |

MCC 50

Within the set of non standard MCCs there is a group of meter points where the metering configuration does not occur frequently enough to have their own non standard MCC. This group is described as MCC50.

MCC50 requires manual intervention on a case by case basis to determine the appropriate periodic consumption and EUF values that are appropriate to the individual meter point. This will happen at migration for each MCC50 meter point and after go-live where there are relevant changes to the individual meter point.

All possible Periodic Consumptions are listed below.

EUF values that will be consistent with the method for all new installations viz:

- An estimated usage factor will be allocated to every timeslot applicable to the individual meter point.
- Where there is a single register at the meter point for a timeslot, then the default estimated usage factor for that timeslot will be equal to the default periodic consumption value allocated to the register.
- Where there are multiple registers at the meter point with the same timeslot, then the default estimated usage factor for that timeslot will be the sum of the default periodic consumption values allocated to the registers.

| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption |
|---------------|-------|--------|------------------|-----------------------|---------------------------------------|
| DG1 | MCC50 | NONSTD | 01 | 24 hr | 3683 |
| DG1 | MCC50 | NONSTD | 01 | Day | 2964 |
| DG1 | MCC50 | NONSTD | 01 | Night Storage Heating | 3937 |
| DG1 | MCC50 | NONSTD | 01 | Night | 3597 |
| DG2 | MCC50 | NONSTD | 03 | 24 hr | 3672 |
| DG2 | MCC50 | NONSTD | 03 | Day | 6829 |
| DG2 | MCC50 | NONSTD | 03 | Night Storage Heating | 3937 |
| DG2 | MCC50 | NONSTD | 03 | Night | 5295 |
| DG5 | MCC50 | NONSTD | 05 | 24 hr | 9204 |
| DG5 | MCC50 | NONSTD | 05 | Day | 32715 |
| DG5 | MCC50 | NONSTD | 05 | Wattless | 22160 |
| DG5 | MCC50 | NONSTD | 05 | Night Storage Heating | 9043 |
| DG5 | MCC50 | NONSTD | 05 | Night | 16190 |
| DG5A | MCC50 | NONSTD | 05 | 24 hr | 9204 |



| Billing Class | MCC | | Standard Profile | Register Description | Proposed Initial Periodic Consumption |
|---------------|-------|--------|------------------|-----------------------|---------------------------------------|
| DG5A | MCC50 | NONSTD | 05 | Day | 32715 |
| DG5A | MCC50 | NONSTD | 05 | Wattless | 22160 |
| DG5A | MCC50 | NONSTD | 05 | Night Storage Heating | 9043 |
| DG5A | MCC50 | NONSTD | 05 | Night | 16190 |
| DG6 | MCC50 | NONSTD | 07 | Day | 258426 |
| DG6 | MCC50 | NONSTD | 07 | Wattless | 107310 |
| DG6 | MCC50 | NONSTD | 07 | Night | 100442 |
| DG6 | MCC50 | NONSTD | 08 | Day | 258426 |
| DG6 | MCC50 | NONSTD | 08 | Wattless | 107310 |
| DG6 | MCC50 | NONSTD | 08 | Night | 100442 |
| DG6 | MCC50 | NONSTD | 09 | Day | 258426 |
| DG6 | MCC50 | NONSTD | 09 | Wattless | 107310 |
| DG6 | MCC50 | NONSTD | 09 | Night | 100442 |
| DG6A | MCC50 | NONSTD | 07 | Day | 258426 |
| DG6A | MCC50 | NONSTD | 07 | Wattless | 107310 |
| DG6A | MCC50 | NONSTD | 07 | Night | 100442 |
| DG6A | MCC50 | NONSTD | 08 | Day | 258426 |
| DG6A | MCC50 | NONSTD | 08 | Wattless | 107310 |
| DG6A | MCC50 | NONSTD | 08 | Night | 100442 |
| DG6A | MCC50 | NONSTD | 09 | Day | 258426 |
| DG6A | MCC50 | NONSTD | 09 | Wattless | 107310 |
| DG6A | MCC50 | NONSTD | 09 | Night | 100442 |