

DCP 130 Legal Drafting

Amendment to Schedule 16, paragraph 3

3. In order to comply with this methodology statement when setting distribution Use of System Charges the DNO Party will populate and publish the CDCM model version '~~100~~[TBC]' as issued by the Panel on ~~[TBC]01 April 2010~~¹.

Amendments to Schedule 16, paragraphs 40 to 46

40. The DNO Party determines ~~three~~five distribution time bands, labelled black, red, yellow, amber and green. The 'red', 'amber' and 'green' timebands will apply to all half hourly settled tariffs with the exception of the unmetered supplies half hourly tariff. The 'black', 'yellow' and 'green' timebands will apply only to the unmetered supplies half hourly tariff.
41. Distribution time bands are defined separately for Monday-Friday and for Saturday/Sunday. In each case, time bands are defined by reference to UK clock time only, and always begin and end on the hour or half hour. ~~Each time band may be divided into any number of sections. There will be no constraint on either the number of hours that can be covered by each time band or whether the time band applies to all or only part of a day. The red, amber and green times bands will apply throughout the year. The black and yellow time bands can be set to apply to only part of the year, where so specified by the DNO Party.~~

Load characteristics

42. The DNO Party estimates the following load characteristics for each category of demand users:
- a) A load factor, defined as the average load of a user group over the year, relative to the maximum load level of that user group. Load factors are numbers between 0 and 1.

¹ This change proposal requires a change to the CDCM model. The model number and date of publication will be confirmed on implementation.

- b) A coincidence factor, defined as the expectation value of the load of a user group at the time of system simultaneous maximum load, relative to the maximum load level of that user group. Coincidence factors are numbers between 0 and 1.
- c) In the case of multi-rate tariffs and non-half hourly unmetered supplies tariffs that are applied to non-half-hourly meter data or to fixed time bands that differ from the distribution time bands (if any), the estimated proportion of units recorded in each relevant time pattern regime that fall within each distribution time band.
- 42A. The load characteristics for non-half hourly unmetered supplies are not determined from settlement data. For each non half hourly unmetered supplies tariff the load characteristics are calculated using profile data derived for each GSP Group.
43. In determining the load characteristics of each category of demand user the DNO Party will use reasonable endeavours to analyse meter and profiling data received for the most recent 3 year period for which data are available in time for use in the calculation of charges. The three elements of load characteristics – Load Factors, Coincidence Factors, and the estimated proportion of units recorded in each relevant time pattern regime that fall within each distribution time band – will be calculated individually for each of the 3 years and a simple arithmetic average will be calculated to be used in tariff setting.
44. For load factors and coincidence factors in the case of non half hourly settled customer classes (except the non half hourly unmetered supplies tariffs), data adjusted for GSP Group correction factor are used.
45. For the estimated proportion of units recorded in each relevant time pattern regime that fall within each distribution time band, data are not adjusted for GSP Group correction factors.
46. ~~Not used Settlement data for non half hourly unmetered supplies are not used to determine load characteristics. Instead, the load factor and coincidence factor for this user class are set equal to the figures for pseudo half hourly LV unmetered supplies, if any. If no data are available for pseudo half hourly LV unmetered supplies in the relevant area, data for pseudo half hourly LV unmetered supplies from another area are used as a proxy.~~

Amendment to Schedule 16, paragraph 68

68. For demand tariffs and portfolio tariffs related to demand users with a single unit rate (with the exception of the non-half hourly unmetered supplies tariffs), the contributions of each network level to the unit rate are calculated as follows:

$$[\text{p/kWh from network model assets}] = 100 * [\text{network level } \text{£/kW/year}] * [\text{user loss factor}] / [\text{network level loss factor}] * [\text{coincidence factor}] / [\text{load factor}] * (1 - [\text{contribution proportion}]) / [\text{days in charging year}] / 24$$

$$[\text{p/kWh from operations}] = 100 * [\text{transmission exit or other expenditure } \text{£/kW/year}] * [\text{user loss factor}] / [\text{network level loss factor}] * [\text{coincidence factor}] / [\text{load factor}] / [\text{days in charging year}] / 24$$
Amendment to Schedule 16, paragraph 72

72. For tariffs with several unit rates and non-half hourly unmetered supplies tariffs, the same principle is used but the ratio of the coincidence factor to the load factor is replaced with a coefficient calculated by the following procedure:

- a) Calculate the ratio of coincidence factor to load factor that would apply if units were uniformly spread within each time band, based on the estimated proportion of units recorded in each relevant time pattern regime that fall within each distribution time band and the assumption that the time of system simultaneous maximum load is certain to be in the red or black (as appropriate) distribution time band.
- b) Calculate a correction factor for each user type as the ratio of the coincidence factor to load factor, divided by the result of the calculation above.
- c) For each network level and each unit rate, replace the ratio of the coincidence factor to the load factor in the above formula with the ratio of coincidence factor (to network level asset peak) to load factor that would be apply given peaking probabilities at that network level if units were uniformly spread within each time band, multiplied by the correction factor.

- d) The coefficient calculated for the non-half hourly and half hourly unmetered supplies tariffs will be determined by aggregating these tariffs to produce one value.

Amendment to Schedule 16, paragraph 135

135 As described in Paragraph 40, there will be three unit rate time bands on a time of day (ToD) basis for all half hourly settled customers with the exception of the half hourly unmetered supplies tariff, to reflect the requirements of the cost drivers of their individual networks. These three ToD-time bands will be called 'Red', 'Amber' and 'Green' to represent three differing cost signals. As described in Paragraph 40, there will be three unit rate time bands for the half hourly unmetered supplies tariff, to reflect the requirements of the cost drivers of their individual networks. The three time bands will be called 'black', 'yellow' and 'green' to represent three differing cost signals. There will be no constraint on either the number of hours that can be covered by each time band or whether the time band can be split during the day. A time band can be applied to only cover certain weekdays i.e. Monday to Friday. The times should be applied consistently through the year i.e. ToD rather than seasonal time of day (SToD).

Amendment to Schedule 16, amended table 4 to be included at paragraph 141

Table 1: Non-half-hourly metered demand tariffs				
Point of Connection	Profile Class	Unit Rate Time Bands	Other Charges	Tariff Name
LV	1	One	Fixed	Domestic Unrestricted
LV	2	Two	Fixed	Domestic Two Rate
LV	2	One	None	Domestic Off-Peak (related MPAN)
LV	3	One	Fixed	Small Non-Domestic Unrestricted
LV	4	Two	Fixed	Small Non-Domestic Two Rate

Table 1: Non-half-hourly metered demand tariffs				
Point of Connection	Profile Class	Unit Rate Time Bands	Other Charges	Tariff Name
LV	4	One	None	Small Non-Domestic Off-Peak (related MPAN)
LV	5 to 8	Two	Fixed	LV Medium Non-Domestic
LVS	5 to 8	Two	Fixed	LV Sub Non-Domestic
HV	5 to 8	Two	Fixed	HV Medium Non-Domestic *The proposal is that this tariff will be closed to new customers and all new HV connections will be required to be half-hourly metered
<u>LV</u>	<u>8</u>	<u>One</u>	<u>None</u>	<u>NHH UMS (Category A)</u>
<u>LV</u>	<u>1</u>	<u>One</u>	<u>None</u>	<u>NHH UMS (Category B)</u>
<u>LV</u>	<u>1</u>	<u>One</u>	<u>None</u>	<u>NHH UMS (Category C)</u>
LV	1-8	One	None	NHH UMS (<u>Category D</u> Unmetered supplies)

Amendment to Schedule 16, amended tables 8 and 9 to be included at paragraph 147

Table 2: LDNO LV connection

Point of Connection	Profile Class	Unit Rate Time Bands	Other Charges	Tariff Name
LV	1	One	Fixed	Domestic Unrestricted
LV	2	Two	Fixed	Domestic Two Rate
LV	2	One	None	Domestic Off-Peak (related MPAN)
LV	3	One	Fixed	Small Non-Domestic Unrestricted
LV	4	Two	Fixed	Small Non-Domestic Two Rate
LV	4	One	None	Small Non-Domestic Off-Peak (related MPAN)

LV	5 to 8	Two	Fixed	LV Medium Non-Domestic
<u>LV</u>	<u>8</u>	<u>One</u>	<u>None</u>	<u>NHH UMS (Category A)</u>
<u>LV</u>	<u>1</u>	<u>One</u>	<u>None</u>	<u>NHH UMS (Category B)</u>
<u>LV</u>	<u>1</u>	<u>One</u>	<u>None</u>	<u>NHH UMS (Category C)</u>
LV	1-&8	One	Unit Rate	NHH UMS (<u>Category D</u> Unmetered supplies)
LV	N/A	Three	Fixed, Capacity and Reactive Power	LV HH Metered
LV	N/A	Three	None	LV UMS (Pseudo HH Metered)
LV	8	One	Fixed	LV Generation NHH
LV	N/A	One	Fixed and Reactive Power	LV Generation Intermittent
LV	N/A	Three	Fixed and Reactive Power	LV Generation Non-Intermittent

Table 3: LDNO HV connection

Point of Connection	Profile Class	Unit Rate Time Bands	Other Charges	Tariff Name
HV	1	One	Fixed	Domestic Unrestricted
HV	2	Two	Fixed	Domestic Two Rate
HV	2	One	None	Domestic Off-Peak (related MPAN)
HV	3	One	Fixed	Small Non-Domestic Unrestricted
HV	4	Two	Fixed	Small Non-Domestic Two Rate
HV	4	One	None	Small Non-Domestic Off-Peak (related MPAN)
HV	5 to 8	Two	Fixed	LV Medium Non-Domestic
<u>HV</u>	<u>8</u>	<u>One</u>	<u>None</u>	<u>NHH UMS (Category A)</u>
<u>HV</u>	<u>1</u>	<u>One</u>	<u>None</u>	<u>NHH UMS (Category B)</u>
<u>HV</u>	<u>1</u>	<u>One</u>	<u>None</u>	<u>NHH UMS (Category C)</u>
HV	1-&8	One	None	NHH UMS (Unmetered supplies <u>Category D</u>)
HV	N/A	Three	Fixed, Capacity and	LV HH Metered

Reactive Power				
HV	N/A	Three	None	LV UMS (Pseudo HH Metered)
HV	N/A	Three	Fixed, Capacity and Reactive Power	LV Sub HH Metered
HV	N/A	Three	Fixed, Capacity and Reactive Power	HV HH Metered
HV	8	One	Fixed and Reactive Power	LV Generation NHH
HV	N/A	One	Fixed and Reactive Power	LV Generation Intermittent
HV	N/A	Three	Fixed and Reactive Power	LV Generation Non-Intermittent
HV	N/A	One	Fixed and Reactive Power	LV Sub Generation Intermittent
HV	N/A	Three	Fixed and Reactive Power	LV Sub Generation Non-Intermittent
HV	N/A	One	Fixed and Reactive Power	HV Generation Intermittent
HV	N/A	Three	Fixed and Reactive Power	HV Generation Non-Intermittent

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