

Input data instructions for the combined CDCM and EDCM Method M model r7014

Thursday 18 February 2016

1. This document provides instructions and guidance for populating input data tables in a Method M model produced for the DCP 234 working group.
2. Table and cell references in this document relate to the following models:
 - (a) The PCDM (Method M) model v2.0 published by DCUSA. In this document, this model is also called the “legacy Method M model”.
 - (b) The Extended Price Control Disaggregation Model (Extended Method M) v1.0 published by DCUSA. In this document, this model is also called the “legacy Extended Method M model”.
 - (c) The CDCM model v103 published by DCUSA. In this document, this model is also called the “current CDCM model”.
 - (d) The EDCM FCP r6798_1 April 2015_vF202 model published by DCUSA. In this document, this model is also called the “current EDCM FCP model”.
 - (e) The EDCM LRIC r6797_1 April 2015_vL202 model published by DCUSA. In this document, this model is also called the “current EDCM LRIC model”.

1300. Company, charging year, data version

3. This table contains model identification information, which is displayed at the top of each sheet in the model. The contents of this table do not affect model results.

1301. DNO LV mains usage

4. The DNO-specific LV mains split is calculated in accordance with Schedule 16 (paragraph 114). Once DCP 240 is implemented, the Nominated Calculation Agent will calculate this number.

1302. DNO HV mains usage

5. The common HV mains split is calculated by the Nominated Calculation Agent in accordance with Schedule 16 (paragraph 117).

1310. DPCR4 aggregate allowances (£)

6. These data are based on numbers in the legacy Method M model sheet ‘DNO Final Allocation’:
 - (a) Aggregate return is in cell C47
 - (b) Aggregate depreciation is in cell C48

(c) Aggregate operating is in C49

7. If these numbers are in £ millions in the populated version of the model, they should be converted to £ before they are used.

1315. Analysis of allowed revenue for 2007/2008 (£/year)

8. In the legacy Method M model, these data are on sheet 'DNO Final Allocation':

(a) Total revenue is in F66.

(b) Net incentive revenue in F63.

9. If these numbers are in £ millions in the populated version of the model, they should be converted to £ before they are used.

1321. Units distributed (GWh)

10. In the legacy Method M model, these data are on sheet 'RRP 5.1', cells G34 to G36.

1322. Losses (GWh)

11. In the legacy Method M model, this is on sheet 'RRP 5.1', cell G40.

1330. Allocated costs (£/year)

12. In the legacy Method M model, these data are on sheet 'Calc DNO Opex Allocation':

(a) LV is in cell range H7:H39.

(b) HV/LV is in cell range G7:G39.

(c) HV is in cell range F7:F39.

(d) EHV&132 is in cell range E7:E39.

13. If these numbers are in £ millions in the populated version of the model, they should be converted to £ before they are used.

1331. Assets in CDCM model (£)

14. These data are in the current CDCM model sheet 'Otex' (table 2706), cell range C68:L68.

1332. All notional assets in EDCM (£)

15. These data are taken from the EDCM tariff model:

(a) In the current EDCM FCP model, the number is in sheet 'Calc1' (table 4165), cell B14711.

- (b) In the current EDCM LRIC model, the number is in sheet 'Calc1' (table 4166), cell B14711.

1335. Total costs (£/year)

16. In the legacy Method M model, these data are in sheet 'Calc DNO Opex Allocation', cell range D7:D39.
17. If these numbers are in £ millions in the populated version of the model, they should be converted to £ before they are used.

1355. MEAV data

18. In the legacy Method M model, these data are on sheet 'Data-MEAV'. Table 1 provides the cell reference for each item.
19. If the numbers in cell range E20:E154 of sheet 'Data-MEAV' are in £'000s in the populated version of the model (even though the table heading says otherwise), they should be converted to £ before they are used.

Table 1 Cell references in the legacy Method M model for table 1355. MEAV data

Asset type in table 1355. MEAV data	Legacy Method M sheet 'Data-MEAV' cell reference for "Asset quantity"	Legacy Method M sheet 'Data-MEAV' cell reference for "Unit MEAV (£)"
LV main overhead line km	H20	E20
LV service overhead	H21	E21
LV overhead support	H24	E24
LV main underground consac km	H27	E27
LV main underground plastic km	H28	E28
LV main underground paper km	H29	E29
LV service underground	H30	E30
LV pillar indoors	H33	E33
LV pillar outdoors	H34	E34
LV board wall-mounted	H35	E35
LV board underground	H36	E36
LV fuse pole-mounted	H37	E37
LV fuse tower-mounted	H38	E38

6.6/11kV overhead open km	H42	E42
6.6/11kV overhead covered km	H43	E43
20kV overhead open pm	H44	E44
20kV overhead covered km	H45	E45
6.6/11kV overhead support	H48	E48
20kV overhead support	H49	E49
6.6/11kV underground km	H52	E52
20kV underground km	H53	E53
HV submarine km	H56	E56
6.6/11kV breaker pole-mounted	H59	E59
6.6/11kV breaker ground-mounted	H60	E60
6.6/11kV switch pole-mounted	H61	E61
6.6/11kV switch ground-mounted	H62	E62
6.6/11kV ring main unit	H63	E63
6.6/11kV other switchgear pole-mounted	H64	E64
6.6/11kV other switchgear ground-mounted	H65	E65
20kV breaker pole-mounted	H66	E66
20kV breaker ground-mounted	H67	E67
20kV switch pole-mounted	H68	E68
20kV switch ground-mounted	H69	E69
20kV ring main unit	H70	E70
20kV other switchgear pole-mounted	H71	E71
20kV other switchgear ground-mounted	H72	E72
6.6/11kV transformer pole-mounted	H75	E75
6.6/11kV transformer ground-mounted	H76	E76
20kV transformer pole-mounted	H77	E77
20kV transformer ground-mounted	H78	E78

33kV overhead pole line km	H82	E82
33kV overhead tower line km	H83	E83
66kV overhead pole line km	H84	E84
66kV overhead tower line km	H85	E85
33kV pole	H88	E88
33kV tower	H89	E89
66kV pole	H90	E90
66kV tower	H91	E91
33kV underground non-pressurised km	H94	E94
33kV underground oil km	H95	E95
33kV underground gas km	H96	E96
66kV underground non-pressurised km	H97	E97
66kV underground oil km	H98	E98
66kV underground gas km	H99	E99
EHV submarine km	H102	E102
33kV breaker indoors	H105	E105
33kV breaker outdoors	H106	E106
33kV switch ground-mounted	H107	E107
33kV switch pole-mounted	H108	E108
33kV ring main unit	H109	E109
33kV other switchgear	H110	E110
66kV breaker	H111	E111
66kV other switchgear	H112	E112
33kV transformer pole-mounted	H115	E115
33kV transformer ground-mounted	H116	E116
33kV auxiliary transformer	H117	E117
66kV transformer	H118	E118

66kV auxiliary transformer	H119	E119
132kV overhead pole conductor km	H123	E123
132kV overhead tower conductor km	H124	E124
132kV pole	H127	E127
132kV tower	H128	E128
132kV tower fittings	H129	E129
132kV underground non-pressurised km	H132	E132
132kV underground oil km	H133	E133
132kV underground gas km	H134	E134
132kV submarine km	H137	E137
132kV breaker	H140	E140
132kV other switchgear	H141	E141
132kV transformer	H144	E144
132kV auxiliary transformer	H145	E145
132kV/EHV remote terminal unit pole-mounted	H149	E149
132kV/EHV remote terminal unit ground-mounted	H150	E150
HV remote terminal unit pole-mounted	H153	E153
HV remote terminal unit ground-mounted	H154	E154

1369. Net capex analysis pre-DCP 118 (£)

20. In a properly populated legacy Extended Method M model, these data are on sheet 'Calc-Net capex', cells G6 to G10.
21. If these numbers are in £ millions in the populated version of the model, they should be converted to £ before they are used.

1380. Net capex: ratio of LV services to LV total

22. In the legacy Method M model, this figure can be calculated from data in sheet 'FBPQ NL1' using the following formula:

$$\text{SUM('FBPQ NL1'!D10:M13)/SUM('FBPQ NL1'!D10:M16)}$$