dcmf.co.uk model recall 2018-05-26

26 May 2018, Franck Latrémolière

Table 1   Bug overview

Tariff impact	Only in prototypes implementing the proposed modification DCP 266.
Bug introduced	19 October 2016 (git commit 98fa1d6a7b16e3a632d9533c8d7017a982178535).
Bug fixed	26 May 2018 (git commit a7152cf82bb29c06adc618feaf34dd6282fba300).
Scope	Method M model prototypes implementing the DCP 266 proposal.
	Model GM prototypes and any other prototype combined models that incorporate the DCP 266 proposal for method M.
Revision numbers affected	r7340 r7470 r7471 r7509 r7510 r7511 r7512 r7513 r7514 r7515 r7516 r7517 r7621 r7623 r7624 r7670 r7671 r7678 r7689 r7702 r7703 r7705 r7706 r7707 r7708 r7709 r7873.
Not affected	Revision numbers from r7907.
Bug signature	Affected models contain "3d384d228c2704772a208c36814797953b305245" or "9b6b5b9d449592dc096e6478e2bd2cd7bb6fc85a".

Which models are affected?

1.   The affected models are the prototypes that were built during the bug period and that implement the modified form of method M (also known as the price control disaggregation model) proposed by DCP 266.

What is the effect?

2.   The calculations of p/kWh discounts for LV Sub and HV demand end users and, for the EDCM only, for generation end users, are incorrect. The bug leads to discounts that are significantly higher than those that would result from the corrected implementation of the DCP 266 proposal.

How can I tell whether my model is affected?

3.   Only prototypes seeking to implement the DCP 266 proposal might be affected.

4.   In corrected models, different ranges of cells should appear in the SUM formulas used in the tables entitled "Discount p/kWh ⇒1039. For Model G" and "Discount p/kWh ⇒1184. For EDCM model". In models affected by the error, the same ranges are used in all SUM formulas for each of these tables.

What should I do if I have an affected prototype?

5.   Affected prototypes and their results should not be used.