

# GEO Consultation Response\_contents of webfile

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Making energy visible

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Dear Mrs Batchelor

GEO Response to the CERT Supplier Guidance Amendments

Our response to the above consultation is as follows. We have substantive answers to Question 1 and 4 and a supplementary point on one other aspect. Question 1: Battery lifetime. Manufacturers of Real Time Displays normally carry out detailed calculations based on the results of specific power consumption tests. These tests and the calculations should provide sufficient evidence providing they take the following factors into account: 1. Battery life is calculated using worst case power consumptions for the components. Typical power consumption can be up to 10x less. Calculations should be done using maximum component consumptions. 2. The capacity of a battery is dependent upon its temperature during use, with colder temperatures reducing the available capacity. The capacity of the battery should be de-rated by 5% to allow for seasonal changes in temperature. 3. The capacity of the battery depends on the rate at which energy is actually used. The slower energy is used, the greater the capacity. Calculations should be made using the best available data for capacity at the actual rate of discharge in the product. 4. Calculations should also take into account the expected shelf life of the supplied batteries. This will vary with the type of chemistry used in the chosen battery and therefore only batteries with a long shelf life should be supplied with the units. Question 4: Monitoring of RTDs We suggest that the monitoring of RTDs should also seek to establish if the RTD had altered their perception of the value of a smart meter.

Finally, paragraph 2.18 addresses the size of display text but leaves the subject open. We would suggest that the main features of a display should be represented either graphically or in a font that is greater than 6 mm tall. Yours sincerely

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