EREC P2/8 Group Demand as a Formula

Where:

1. is the scalar value **Group Demand** for the period under consideration.
2. is the time series[[1]](#footnote-1) **Measured Demand** for the period under consideration of summated demand measured at the normal (network) infeed points to the network for which **Group Demand** is being assessed.
3. is the demand that would appear as an increase in **Measured Demand** if the **Distributed Generation** was not operating.
4. is the demand that would appear as an increase in **Measured Demand** if the **Demand Side Response** was not implemented.
5. is the demand that would appear as an increase in **Measured Demand** if the **Electricity Storage** was operating differently.
6. is a function to correct for data granularity implications, i.e. distortion or aliasing caused by the sampling interval being too long to capture all peaks.
7. is a function to correct for **Cold Load Pickup** when demand is reenergised after an interruption of duration .
8. is a function to correct for the effect of **Network Operator** price signals.
9. is a function to correct for the effect of **Suppliers**’ time of use tariffs.

1. From <https://en.wikipedia.org/wiki/Time_series>*: In mathematics, a time series is a series of data points indexed (or listed or graphed) in time order. Most commonly, a time series is a sequence taken at successive equally spaced points in time. Thus it is a sequence of discrete-time data.* [↑](#footnote-ref-1)