

## Form A – MIG Design Discussion Request

Discussion Request Number	Title	Priority
DR 0093	kVArh Estimation	High

<b>Name of Requesting Organisation</b>	ESB Networks
<b>Contact name</b>	Brona Mc Knight
<b>Date Request sent to ESB MOIP</b>	

### Detail of Discussion Request

Modify estimation routine so the advance on kVArh registers is capped at .33 of the sum of the advances of the associated kWh registers.

### Reason for Discussion Request

The approach to DUoS billing is as outlined in 'Proposals for New DUoS Billing System v 2.0' as approved by CER in February 2004. Under this approach, low power factor penalties charged on foot of estimated readings are not refundable. This is in contrast to kWh registers where charges are corrected when an actual read comes in. This approach can be an issue in a certain number of cases.

The current policy for estimating reads at a site is outlined in 'Estimation of Non-Quarter Hourly Meter Readings 1.0'. Under this policy, kVArh registers are independently estimated i.e. the expected meter reading advance on a wattless register is determined using the same estimation algorithm as for consumption registers. This change request proposes linking the estimated advance on each kVArh register with that on the associated kWh registers to eliminate possibly incorrect low power factor charges.

Deleted: each register is

Specifically the proposal is that when a site is estimated:

the estimated kVArh advance is subject to a maximum of .33 of the advance on the associated kWh registers.

Since this is the threshold for low power factor charges to come in, this would mean that no power factor penalty would accrue in estimated periods and that, when an actual read was received, the low power factor penalty charges, if any, would equal the correct charge for the period(s) estimated.

Benefits:

Estimated bills generate queries. Benefits of this change would be fewer queries from customers for suppliers and fewer queries from suppliers for DSO.

### Market Design Documents impacted by Request

<b>Estimation Paper</b>	
<b>Date of MIG where discussed</b>	<to be completed by ESB MOIP>
<b>Change Request xref (if applicable)</b>	<to be completed by ESB MOIP>