

Form A – MIG Design Discussion Request

Discussion Request Number	Title	Priority
<i>DR 0056</i>	<i>New Market Message to send EUF detail at Register Level</i>	<i>Critical for market opening</i>

Name of Requesting Organisation	<i>Airtricity</i>
Contact name	<i>Siobhan Leane</i>
Date Request sent to ESB MOIP	<i>16/08/04</i>

Detail of Discussion Request
<p><i>A new message to send EUF details at register level to suppliers with the following fields populated.</i></p> <p><i>Business Reference Number (relates to underlying message)</i></p> <p><i>MPRN</i></p> <p><i>Meter ID</i></p> <p><i>Register Sequence</i></p> <p><i>Time slot</i></p> <p><i>EUF – at register level</i></p> <p><i>Periodic Consumption – at register level</i></p> <p><i>Reason Code; Change of supplier/ new connection/ change to MCC</i></p> <p><i>If the EUF is not available (e.g for new connections) then the Periodic consumption field should be populated.</i></p> <p><i>This message should be sent with every Change of Supplier and any time there is a change to the meter configuration.</i></p>
Reason for Discussion Request
<ol style="list-style-type: none"> Some suppliers bill customers on a monthly basis - without further register level information on Usage Factors, monthly billing becomes impossible for suppliers. Customers require monthly electricity bills – without usage factors at register level it will be impossible for suppliers to accurately calculate monthly bills leading to customer dissatisfaction and the loss of credibility for the supplier. Usage factors not being at register level is a barrier to entry for new entrants as they have to wait up to 2 months before billing new customers – this impacts on their cash flow. Group account customers do not adhere to ESB Networks read cycle for billing purposes – they give notification to their supplier of the date they wish to be billed on i.e. the 1st of every month – so if a read is received dated e.g. 20th August their supplier has to estimate consumption at register level from the 20th August to 1st Sept. <p>Example; 3 x 24 hrs meters – aggregate EUF = 36000 kWh</p> <ol style="list-style-type: none"> Without further register level information on Usage Factors, the supplier has no way of knowing what the distribution of consumption is across the three registers, therefore we might just have to pro-rate the expected usage across the meters. i.e. 12,000 units each – which equates to 1,000 units per month (assuming flat profile co-efficients). One month after start-up a monthly bill is generated by the supplier using the pro-rated Estimated Usage Factor.

3. The following month when an Actual Read is received and used to generate a customer bill, a significant discrepancy and correction is required.
4. The customer is dissatisfied and the supplier loses credibility

	<i>Start-up read</i>	<i>1st monthly bill (Est.)</i>	<i>1st month consumption</i>	<i>2nd monthly bill (actual)</i>	<i>2nd month consumption</i>	<i>Customer impact</i>
Meter 1	11111	12111	1000	11555	-556	Credit
Meter 2	77777	78777	1000	83000	4223	Large debit
Meter 3	88855	89855	1000	89188	-667	Credit

Following is an example of 2 Airtricity customers that shows the distribution consumption variances for three 24 hour meters within an MPRN.

	Meter 1	Meter 2	Meter 3
MPRN A	100%	0%	0%
MPRN B	5.48%	25.17%	69.34%

Market Design Documents impacted by Request

MPDs V4.2

Message Implementation Guides V4.2

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