

## Form A – IGG Design Discussion Request

Discussion Request Number	Title	Priority
DR 144	Changes to the Aggregation Briefing Document, MPD 15 and MPD 16 (2_1) for RA324 Mitigation and PES Trading Sites	High

Name of Requesting Organisation	SEM
Contact name	Theresa O'Neill
Date Request sent to RMDS	25 <sup>th</sup> April 2007

Date	Version	Reason for Change
25 <sup>th</sup> April 2007	0.1	Changes to the Aggregation Briefing Document, MPD 15 and MPD 16 (2_1) for RA324 Mitigation and PES Trading Sites

Detail of Discussion Request
<p>The Aggregation Briefing Document is at v3.3 via MCR 133 and forms part of the baseline for SEM Implementation. MPD 15 – QH Data Processing was baselined in the Retail Market Design at version 6.0, as detailed within MCR 097, as part of the suite of changes to satisfy new requirements of SEM implementation. MPD 16 (2_1) Data Aggregation – was baselined in the Retail Market Design at version 6.0, as detailed within MCR 112, as part of the suite of changes to satisfy new requirements of SEM implementation.</p> <p>Further clarifications have been made regarding Data Aggregation for sites contained within RA324 and also Trading Sites under the PES. These should be updated within the Aggregation Briefing Document, MPD 15 Data Processing and MPD 16 (2_1) Data Aggregation as follows:</p> <p>RA324 will not be implemented by SMO prior to go-live. This will impact on a small number of Trading sites with firm/non firm access calculations. Where Import data is Price-Effecting, it is needed by SMO on a 7 day week, calendar day basis, and Eirgrid will be handling the provision of this data to the SMO.</p> <p>This means that</p> <ul style="list-style-type: none"> <li>• MRSO will <u>not</u> be aggregating the import for these sites, and will therefore not include the import for these sites in 591, 595 and 596 messages to Suppliers nor 591 and 595 messages to TSO, and will not include the import for these sites in 590 messages to SMO.</li> <li>• MRSO will send 341 messages to Suppliers and TSO based on the following: <ul style="list-style-type: none"> <li>○ If they are Transmission Connected Generators, Eirgrid will provide the QH import read data to MRSO.</li> <li>○ If they are Distribution Connected Generators, ESB Networks will in addition to Eirgrid poll the import for these sites and will not get the QH import read from Eirgrid</li> </ul> </li> </ul> <p><b>Note</b> Where the PES is registered with the Import for Participant Generators, there will need to be a Trading Site Supplier Unit or Associated Supplier Unit which is not the Error Supplier Unit registered in the SEM and into which MRSO will aggregate that data [Exception is Price-effecting import which is the subject of RA324 mitigation strategy will not be aggregated by MRSO]</p>

<b>Detail of Discussion Request</b>	
This aggregated data will be made available to the PES in 591, 595 and 596 messages and included in the 590 to the SMO. No other Import data will be aggregated to the PES prior to Global Aggregation, except if there is a SoLR event.	
<b>Reason for Discussion Request</b>	
<i>SEM Implementation requirements</i>	
<b>Market Design Documents impacted by Request</b>	
<i>MPD 16 History of Changes</i> <i>MPD 16 Supporting Documentation</i> <i>MPD 15 History of Changes</i> <i>MPD 15 Supporting Documentation</i> <i>Aggregation Briefing Document</i>	
<b>Date of IGG where discussed</b>	<i>19<sup>th</sup> April 2007</i>
<b>Change Request xref (if applicable)</b>	<i>Slides 10,11 &amp; 12 of ESB Networks AIP Programme presentation to the IGG 19<sup>th</sup> April 2007</i>

<b>PART 2 MARKET ASSURANCE:</b>				
<b>Applicability</b>				
ESB Networks	Suppliers	TSO	SMO	Generators
X	X	X	X	
<b>Scope of Test</b>				
Connectivity	DTT	MSA	IPT	Other
				<b>Aggregation Assurance</b>
			No. Of Scenarios	

<b>Scope of Discussion Request</b>							
Correction to Documentation	Business Process	Market & MP Systems	MPCC	Readings Processor	Market Gateway	Schema	Web Forms
	X	X					

# 1. MPD 15 History of Changes

This Procedure includes the following changes

B69	Validation of QH Data
B70	Communication of Import on Export Sites
B95	Annual Verification, subject to approval by CER
B153	Changes to include application of Transformer Loss Factors
	<b>No Change applied since Version 4.0 DRAFT</b>
	<b>No Changes applied since V 4.1</b>
	<b>Changes applied since Version 4.2</b>
MCR 0044	Information to TSO and Suppliers on netted date on 341 message Removal of Data Aggregation Netting
DRR 0015	Correction to Page 5 for export sites
	No Changes applied since V 4.3
	Changes applied since V4.4
DRR 0083	Update to text to specify channel of communication for notification of changes
	<b>Changes applied since V 5.0</b>
MCR 0072	Minor updates to text in Supplementary Information
	<b>Changes applied since V 5.1</b>
<b>MCR0097</b>	<b>Amendments to satisfy new requirements surrounding data collection and Non Participant Generators of SEM implementation. This will necessitate changes to:- ARIS Process Flow Diagram, Supporting Text and Supplementary Information.</b>
<b>MCR0145</b>	<b>Amendments to satisfy new requirements the estimation of QH values for Indicative Aggregation in the SEM implementation. This will necessitate changes to:- Supplementary Information.</b>

## 2. MPD 15 Supplementary Information - Changes

### 1.4 Estimated Data in Market Messages

QH Read data will continue to be processed and sent to Market participants as soon as it is available, with the target timeline for Aggregation moving from D+10 to D+4.

- Exception is PES **Error Supplier Unit** until Global Aggregation.

Existing processes for replacement data will continue i.e. where actuals replace estimates, these will continue to be sent to Market participants as soon as possible.

Existing SLA for the provision of 100% QH data for Supplier/TUOS Billing purposes –currently by D+10 - is unaffected.

Indicative Aggregation is required at D+1. This means that all QH read data, import and export, if available, be collected for all QH sites included in Indicative Aggregation. Where no read data is available it must be estimated for use in Indicative Aggregation.

A basic estimate will be calculated during Indicative Data Aggregation for QH sites where there are no reads. The Basic Rules for the calculation of the estimates are proposed to be:

#### QH Import

1. Default the missing values to Nil when the site is De-Energised
2. If the site is energised, copy the missing data from the same day the previous week - note that this will be done for all days including where there are Bank Holidays
  - If there is no data available from the previous week, then copy the missing data from the same day 4 weeks ago
  - If there is still no data available from the same day 4 weeks ago, then default the missing values to Nil

#### Exceptions – Clock Change days

For 'long days', the estimate will be copied from 00:00:00 of the previous Sunday into the first hour of the Monday up to 00:59:59

For 'short days', the estimate will be copied from 00:00:00 of the previous Sunday up to 22:59:59.

#### Notes

The estimate routine will copy each interval in sequence even though at a clock change the hour is added or subtracted from 1-2am.

If a day is a normal day and the same day the previous week was a long day, the estimate will be the same day the previous week less the last hour, from 23:00 to 23:59.

#### QH Export

1. The proposal is to estimate NIL

MRSO will not include this estimated QH data in the 341 QH read Market Message at D+1.

Therefore, the practice for the 341 Message is

- Actual data will always be sent
- ~~Estimated Data will be retained until D+4~~
- ~~and where on D+4 no actual data is available, estimates are sent in the 341 message~~
- On D+4 if there are no reads, then the Data Collector will provide MRSO with estimates for Initial Data Aggregation in accordance with the QH Estimation, Substitution and Validation rules.
- These Data Collector estimates will be used within Initial Aggregation and sent out on 341 messages
- Note that in an exceptional circumstance where the Data Collector fails to provide an estimate at D+4, the value created within Indicative Aggregation at D+1 will be used in Initial Aggregation and will be issued on the 341 message at D+4

Initial Aggregation is required at D+4. This means that all QH read data, import and export, must in so far as possible, be collected for all QH sites included in Initial Aggregation.

~~Where no read data is available, the estimate generated at D+1 will be used in Initial Aggregation~~

- When actual data has been subsequently obtained where previously it was estimated for the D+1 Indicative Aggregation, the actual data will be used in Initial Aggregation

#### 341 Market message at D+4

At D+4, the 341 Market messages sent to Market Participants will include

- actual data that has arrived on D+4 and has replaced an estimate generated for Indicative Data Aggregation at D+1
- ~~estimated data provided by the Data Collector on D+4 if no actual has been received~~
- estimated data from D+1 if no actual ~~or estimate from the Data Collector~~ has been received
- and in addition, as normal, any other actual data that has been collected that day
- and actual data received at D+1,D+2,D+3 will already have been issued

## **1.6 Responsibilities between MRSO and TSO for Polling and Publishing Data**

~~Where Distribution Connected Participant Generators have Price Effecting Generation they will not be sent 341 messages from MRSO, instead, that export data would be available to the participant via the EirGrid website.~~

~~RA324 will not be implemented by SMO prior to go-live. This will impact on a small number of Trading sites with firm/non firm access calculations. Where Import data is Price-Effecting, it is needed by SMO on a 7 day week, calendar day basis, and Eirgrid will be handling the provision of this data to the SMO.~~

~~This means that MRSO will send 341 messages to Suppliers and TSO based on the following:~~

- ~~If they are Transmission Connected Generators, Eirgrid will provide the QH import read data to MRSO.~~
- ~~If they are Distribution Connected Generators, ESB Networks will in addition to Eirgrid poll the import for these sites and will not get the QH import read from Eirgrid~~

This section is included as a Placeholder relating to the Estimation of values by TSO. Content will be clarified following completion of ongoing discussions.

### 3. MPD 16 History of Changes

This Procedure includes the following changes

Source of Change	Description of Change
259	Changes to aggregation approach incorporating re-aggregation and usage factors
	Changes applied since Version 3.1
	Standardisation of use of QH/NQH terminology
	Removed Section 5.9 as this is now covered by MPD 14 – NQH Readings Processing
	Updates arising from Supplier Clarifications
Written Supplier Clarifications 1 B202	Updated title of Process map on page 8 to remove Non Profile reference.  Updated text around Steps 7,8 on to clarify process
Written Supplier Clarifications 2	Settlement Interval Period renamed to Settlement Interval for consistency with Data Definitions
Written Supplier Clarification 3, 5	Updated scope of document. Term 'Independent Supplier' removed.
	<b>Changes applied since version 4..1</b>
MCR0029	Update of Market Process Documentation to reflect single point unmetered design
MCR003 CR00556	Suppliers have requested a change to include on the 501 message: <ul style="list-style-type: none"> <li>•Total usage factor per Time of Use and Profile</li> <li>•The count of MPRNs used in the aggregation run for the above Time of Use &amp; Profile in order to validate the aggregation run results.</li> </ul>
	<b>Changes applied since Version 4.2</b>
MCR 0044	Removal of Data Aggregation Netting Functionality
MCR 0045	SSA Controls Section 5.10
	No Changes applied since Version 4.3
	No Changes applied since Version 4.4
	Changes applied since Version 5.0
MCR 0075	NQH consumption will be resettled on a half hourly basis for the time since January 2005 until the SEM arrangements are fully phased in. To carry out the resettlement, they require 15 minute reaggregation difference information rather than at rolled up single day and night difference.
	<b>Changes applied since Version 5.1</b>
MCR 0068 V.3	The 591 message amended to only allow valid combinations of DLF Code & Load Profile.
<b>MCR 0144</b>	<b>Amendments to satisfy requirements regarding Price Effecting Import within the SEM implementation. Supplementary Information</b>

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## 4. MPD 16 Supplementary Information - changes

### 1.15 Price Effecting Import

RA324 will not be implemented by SMO prior to SEM go-live. This will impact on a small number of Trading sites with firm/non firm access calculations. Where Import data is Price-Effecting, it is needed by SMO on a 7 day week, calendar day basis, and Eirgrid will be handling the provision of this data to the SMO.

This means that, from SEM go-live, MRSO will not aggregate the import for these sites and therefore will not include the import for these sites in 591, 595 and 596 messages to Suppliers nor 591 and 595 messages to TSO, and will not include the import for these sites in 590 messages to SMO.

### 1.1516 Market Messages

The Data Aggregation process will utilise a set of Market Messages, the 59x series, which will be generic across each aggregation. In addition there will be a Settlement Run Indicator in the body of each message to indicate the originating procedure. This Settlement Run Indicator will contain values as follows:

- 10 = Indicative Aggregation
- 20 = Initial Aggregation
- 30 = Re-aggregation at M+4
- 40 = Re-aggregation at M+13
- 50 = Ad Hoc Aggregation

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## 5. Aggregation Briefing Document



Aggregation Briefing  
Document v3.4.doc