

Market Change Request

Number	Title	Priority
MCR 0120	New Data Definitions to satisfy new requirements for SEM Implementation.	<i>HIGH</i>

Date	Version	Reason For Change
24/10/2006	1.0	Draft for IGG Review
15/11/2006	1.1	As detailed in "Responses to AIP MCR Comments". Ref. 4, 41, 46, 73, 75, 76, 77.

PART 1 CHANGE REQUEST:

Name of Requesting Organisation	ESB Networks AIP / RMDS		
Contact name	Theresa O'Neil		
Date Change Request Raised	24/10/2006	Originating Discussion Request	
		DR	'Impact of AIP on ROI Retail Market', Draft Ver 0.41.

Detail of Change Request

In order to introduce the Single Electricity Market there are a number of changes required to the existing Retail Market definitions. This MCR relates to Data Items and Data Definitions which are being added or are changing within the Retail Market as a result of the SEM.

Also, due to the removal of logic surrounding the use of the GUID within Registration processes the field GUID will be removed from the 010 Webform [and Schema](#).

To allow for future flexibility in the values used in the SSAC field, all codified valid values for this field have been removed.

Detailed changes to Reject Reasons and Codes :-

If not a valid request, then this will be rejected, and the following table lists the new reject codes and reasons

Code	Reject Reason
SUS	Supplier Unit Invalid for Supplier
SUN	Supplier Unit not known
TSR	Trading Site Supplier Unit Rejected

Detailed changes to Data Items and Data Definitions :-

These changes are described below (from page 4), containing the following items:-

- Start Period Time
- End Period Time
- Time Created
- Supplier Unit ID
- SSAC
- Settlement Run Indicator

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- Reading Number
- Interval Start Time
- Interval time End
- Measured Quantity
- Query Flag
- Reading Data Status
- Generator Unit ID
- [Settlement Interval](#)

Also documented is:

1. An Impact of Data Item and Data Definition Changes Matrix
2. An Updated 010 Webform

QH Readings Processor software change to support increased GUID field length

Reason for Change Request							
Introduction of the Single Electricity Market							
Scope of Change Request							
Correction to Documentation	Business Process	Market & MP Systems	MPC	Readings Processor	Market Gateway	Schema	Web Forms
				Y			
Identification of Baseline Products Impacted							
<ol style="list-style-type: none"> 1. Data Definitions 2. 010 Webform 3. Schema 							
Description of Trading & Settlement Code Impact (if any)							

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PART 2 MARKET ASSURANCE:				
Applicability				
ESB Networks	Suppliers	TSO	SMO	Generators
Scope of Test				
Connectivity	DTT	MSA	IPT	Other
			No. Of Scenarios	
Date of issue of Change Request				

Date response is required	
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PART 3 RESPONSES AND MODIFICATIONS:

Collation of Impact Assessment (from Form C)

Not Applicable

Modifications Included

Not Applicable

Reason for Modifications

Not Applicable

PART 4 ASSESSMENT & RECOMMENDATION:

Part 4(a) ASSESSMENT

Summary of Impact Assessment

Recommendation on Implementation Plan

Part 4(b) RECOMMENDATION

ACCEPTANCE	REJECTION	NO RECOMMENDATION	COMMENT
Reason for Recommendation			
Date of Recommendation			

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1. Data Item and Data Definition Changes

Attributes	
Name	Start Period Time
Description	Start of Period where reported metered values are measured. Format is YYYY-MM-DDThh:mmTZD where TZD = Time Zone Difference.
Composition Instructions	YYYY-MM-DDThh:mmTZD
Length	22

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Attributes	
Name	End Period Time
Description	End of Period where reported metered values are measured. Format is YYYY-MM-DDThh:mmTZD where TZD = Time Zone Difference.
Composition Instructions	YYYY-MM-DDThh:mmTZD
Length	22

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Attributes	
Name	Time Created
Description	Creation time of the file. Format is YYYY-MM-DDThh:mm:ssTZD where TZD = Time Zone Difference.
Composition Instructions	YYYY-MM-DDThh:mm:ssTZD
Length	25

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Attributes	
Name	Supplier Unit ID
Description	Identifier for the unit to which net demand will be settled
Business Data Definition	Supplier Unit is a wholesale SEM-defined market participant. One Supplier may register several Supplier Units. A Supplier Unit in the retail market is the distribution-loss-factor adjusted aggregation of all metered energy assigned to that Supplier Unit through normal retail processes. The Supplier Unit ID is an SEM-provided code, created by the SMO and notified to RMO during registration.
Allowable Codes on message	As for SEM market participants
Composite Instructions	Format SU_nnnnnn
Length	9

Attributes	
Name	SSAC
Description	SSAC is a sub-aggregation code that specifies the aggregation class to which data will be aggregated for a supplier. Note: The SSAC codes are shown for reference but there is no validation upon the values within the Schema. Codes may be validated in SAP or manually.
Valid Code Values	<ul style="list-style-type: none"> A Non Green Generator B Eligible Customer Supplier C Green Customer Supplier D CHP Generator E Green VIPP F PES G Green Generator H CHP Supplier J VIPP Supplier
Length	1
Data Type	Text

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Attributes	
Name	Settlement Run Indicator
Description	This value indicates the Settlement Run with which this message can be identified. E.g. 10 = Indicative, 20 = Initial, 30 = M+4 Re-Aggregation, 40 = M+13 Re-Aggregation, 50 = Ad Hoc Aggregation.
Data Type	Integer
Length	2

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Attributes	
Name	Reading Number
Description	For each meter reading, there will be a reading entry (46, 48, or 50 in total depending on short, normal or long day). The Reading num= value will correspond to the relative period in the day.
Data Type	Integer
Length	2

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Attributes	
Name	Interval Start Time
Description	Local start time for an individual reading (an hour or half-hour value) Format is YYYY-MM-DDTh:mmTZD where TZD = Time Zone Difference
Composition Instructions	YYYY-MM-DDTh:mmTZD
Length	22
Data Type	Point in time

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Attributes	
Name	Interval time End
Description	Local end time for an individual reading (a half-hour or hour value, a half hour after the start time) Format is YYYY-MM-DDThh:mmTZD where TZD = Time Zone Difference
Composition Instructions	YYYY-MM-DDThh:mmTZD
Length	22
Data Type	Point in time

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Attributes	
Name	Measured Quantity
Description	Quantity according to unit on series record. Period is used in fractional numbers, e.g. 12.34 or 0.34. Negative numbers should be prefaced by minus sign, e.g. -12.34 or -0.34. Units are MWhs.
Composition Instructions	Number (8,3)
Length	8

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Attributes	
Name	Query Flag
Description	Set to 0 normally, or 1 if the reading is the subject of a Data Query
Data Type	Integer
Valid Code Values	0, 1
Length	1

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Attributes	
Name	Reading Data Status
Description	This can hold details on whether it was an estimate or actual reading, check or main meter etc. The meaning of "Actual" and "Estimated" will be defined later in the Grid Codes for use in Settlement Statements.
Data Type	Text
Length	20

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Attributes	
Name	Generator Unit ID
Description	Identifier for the unit to which generation will be settled. Generator Unit ID is the unique identifier referencing a generation unit. When the field is used for a non participant generator then the Export Arrangement Reference Number will be contained.
Allowable Codes on message	As for SEM market participants
Composite Instructions	Format GU_nnnnnn
Length	9

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Deleted: Generator Unit ID is the unique identifier referencing a generation unit. When the field is used for a non participant generator then the Export Arrangement Reference Number will be contained.

Attributes	
Name	Settlement Interval
Description	Settlement Interval is a numeric value, usually in range 1-96 (max 100) and represents the sequential counter value of a settlement period to which consumption is aggregated for settlement in the retail market.
Length	4
Data Type	Integer

2. Impact of Data Item and Data Definition Changes Matrix

This matrix highlights which Market Messages are impacted by which element of change brought around by SEM Implementation. It is included for illustrative purposes only and will not form part of the market design.



Message Impacts for
Data Definitions v1.0

3. Webform Changes

Applet Viewer: pkg/com/ESB/WebForm/MIM010/WebForm/WebForm010.class

Applet

Message 010 - Registration Request

Party Contact Details | Meter Point Address * | Meter ID

Technical Contact Details | Notification Address | Technical Address

Main * | Customer Name * | Customer Contact Details

MPRN *

Supplier MPID * Required Date (DD/MM/YYYY)

Economic Activity Indicator

Change Of Tenant / Legal Entity * Supply Agreement *

Generation Unit Aggregation Code

Supplier Unit ID * SSAC *

CoS Estimate Acceptable

CoS Read Arrangement

Meter Configuration Code

Medical Equipment Special Needs

Customer Service Special Needs

MP Business Reference *

Reset Load Message Create Message

Applet started.