

## Market Change Request

Number		Title	Priority
<b>MCR</b>	<b>154</b>	The creation of a 342 market message for Export data and the versioning of the 341 & 342 data updates	<i>Medium</i>

Date	Version	Reason For Change
23/08/2007	1.0	This change would eliminate the current practice whereby e-mails are sent from MRSO to Suppliers advising on actual readings that would replace estimate readings. This would automate a current manual handoff which should facilitate more accurate and timely Billing data for the Supplier.
17/10/2007	1.1	Changes made to be provide Version Numbers for both Import and Export data.
31/03/2008	1.2	All market participants were in favour of developing a new 342 Market Message for Export data only (Conference call 13 <sup>th</sup> March 2008). This means modifying the 341 to contain import data only. Versioning of this data at the MPRN level is still required.
27/05/2008	1.3	Additional segment information added to this approved MCR on page 5
02/07/2009	2.0	QH Change of Supplier – text change from ' When a QH change of supplier completes' to When a QH change of supplier is <i>cancelled</i> '

1 CHANGE REQUEST:		
<b>Name of Requesting Organisation</b>	<b>RMDS</b>	
<b>Contact name</b>	<b>Colm Gaffney</b>	
<b>Date Change Request Raised</b>	<b>21<sup>st</sup> September 2006</b>	<b>Originating Discussion Request</b>
		<b>DR 123</b>
Detail of Change Request		
<p><b>Background</b></p> <p>At the March 13<sup>th</sup> 2008 Conference Call, participants agreed to the creation a new market message which would contain the Export data that is currently carried on the 341 market message (Channels 52 EXP QH (kW) and 53 EXP QH (kVAr)). This means that the 341 market message will have to be modified to exclude the Export data. Both the 341 and 342 market messages will also include version numbers at the MPRN level which will indicate the latest readings for a given day. The Version Number stored at the MPRN level will increment every time a new 341 or 342 is issued for a particular day. The proposed versioning change would replace the existing process whereby an e-mail issues from MRSO to Market Participants to notify them of the sending of replacement QH interval data. The proposal also covers all possible scenarios that may result in an updated reading being issued (see Table page 2).</p> <p><b>Proposed Solution</b></p> <p>The following changes are being proposed:</p> <ol style="list-style-type: none"> <li>1. A new 342 market message is to be created to carry export channel data only (52 EXP QH (kW), 53 EXP QH (kVAr)).</li> <li>2. The 341 market message is to be modified to exclude the Export data and include Import channel data only (50 IMP QH (kW), 51 IMP QH (kVAr)).</li> </ol>		

3. A new Version Number field will be added to the 341 and 342 Market Message at the 'MPRN Level Information' segment. The Version Number increments every time there is a replacement reading (actual or estimate).
4. 341 and 342 market messages are to be prevented from issuing with a single channel of data.
5. The Channel Status that currently resides at the Channel Level details should be moved up to the MPRN level and renamed 'Alert Flag'.

### Business Benefit

If this additional information is added to the 341 and 342 market messages, then emails to Market Participants notifying them of replacement QH reads would no longer be necessary. This solution also provides a clean separation of Import and Export data.

### QH Change of Supplier

If the change in this MCR is implemented, there is a case where a supplier may have to process version 2 of a 341 without having received version 1. When a QH change of supplier is cancelled, the 'new' supplier gets copies of the 341 messages for the days between the issue of the 102 and the time the CoS is confirmed. In these cases, only the latest version for each day will be sent. For example version 2 may be received without receiving version 1.

The following table explains how the "Version Number" works. **Column 1** identifies the various 341/342 messaging scenarios. The first 3 scenarios cover the vast majority of reading updates. The latter three scenarios are very rare, yet may occur. **Column 2** identifies the time period associated with the reading. The time periods can be less than D+4, equal to D+4 or greater than D+4. **Column 3** identifies the trigger which causes a change in meter readings. This could be an estimate reading being replaced by an actual reading or even an estimate reading being replaced by another estimate reading. **Column 4** indicates whether or not the latest meter reading is an actual read or an estimated read. **Column 5** identifies the Version Number of the meter reading associated with that MPRN. The Version Number indicates whether the reading is the first, second or third reading update.

QH Data Conditions				
Scenario	When	Trigger	Meter Reading	Version Number
<b>Normal Cases</b>				
1	< = D+4	QH data received	Actual	01
2	= D+4	SMO Deadline, No data.	Estimate	01
	> D+4	QH data received	Actual	02
3	< = D+4	QH data received	Actual	01
	> D+4	Data Correction	Actual	02
<b>Exceptional Scenarios</b>				
4	= D+4	SMO deadline. No data.	Estimate	01
	> D+4	SEM Query / Dispute	Estimate	02
5	< = D+4	QH data received	Actual	01
	> D+4	SEM Query / Dispute	Estimate	02
6	= D+4	SMO	Estimate	01
	> D+4	SEM Query / Dispute	2 <sup>nd</sup> Estimate	02
	> D+4	QH data received	Actual	03

**NOTE** The version number increments from '01' to '02' to indicate a new meter reading. The Version Number does **not** represent '**actual**' readings or 'estimate' readings. The version

number may increment beyond 03 if further reading updates are received for the same day. For the CoS process the new supplier may receive a version number greater than '01' on the new suppliers first 341 message.

**Additional Information**

Two very infrequent situations were identified where a supplier could receive a 341 message with only one channel segment. The following two scenarios can result in a single channel being present on a 341:

1. If there is a new kW reading and the kVAr reading remains the same only one channel is sent on the 341 message.
2. If data is being modified on one channel, then this data is locked and cannot be sent as part of the message. The channel that isn't locked can be sent on a 341 message with the second channels data being issued on a separate 341 message at a later date.

It is proposed that both these scenarios are addressed by enforcing controls that will eliminate the issuing of 341 messages with single channel data.

**Reason for Change Request**

This change would eliminate the current practice whereby e-mails are sent from MRSO to Suppliers advising on actual readings that would replace estimate readings. This would automate a current manual handoff which should facilitate more accurate and timely Billing data for the Supplier.

The separation of Import and Export data makes the identification of this data cleaner and easier for participants to handle.

**Scope of Change Request**

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

**Identification of Baseline Products Impacted**

*341 Market Message*

**Description of Trading & Settlement Code Impact (if any)**

**PART 2 MARKET ASSURANCE:**

**Applicability**

ESB Networks	Suppliers	TSO	SMO	Generators
<b>X</b>	<b>X</b>	<b>X</b>		

**Scope of Test**

Connectivity	DTT	MSA	IPT	Other

X	X		X	
			No. Of Scenarios	

Date of issue of Change Request	4 <sup>th</sup> April 2008
Date response is required	25 <sup>th</sup> April 2008

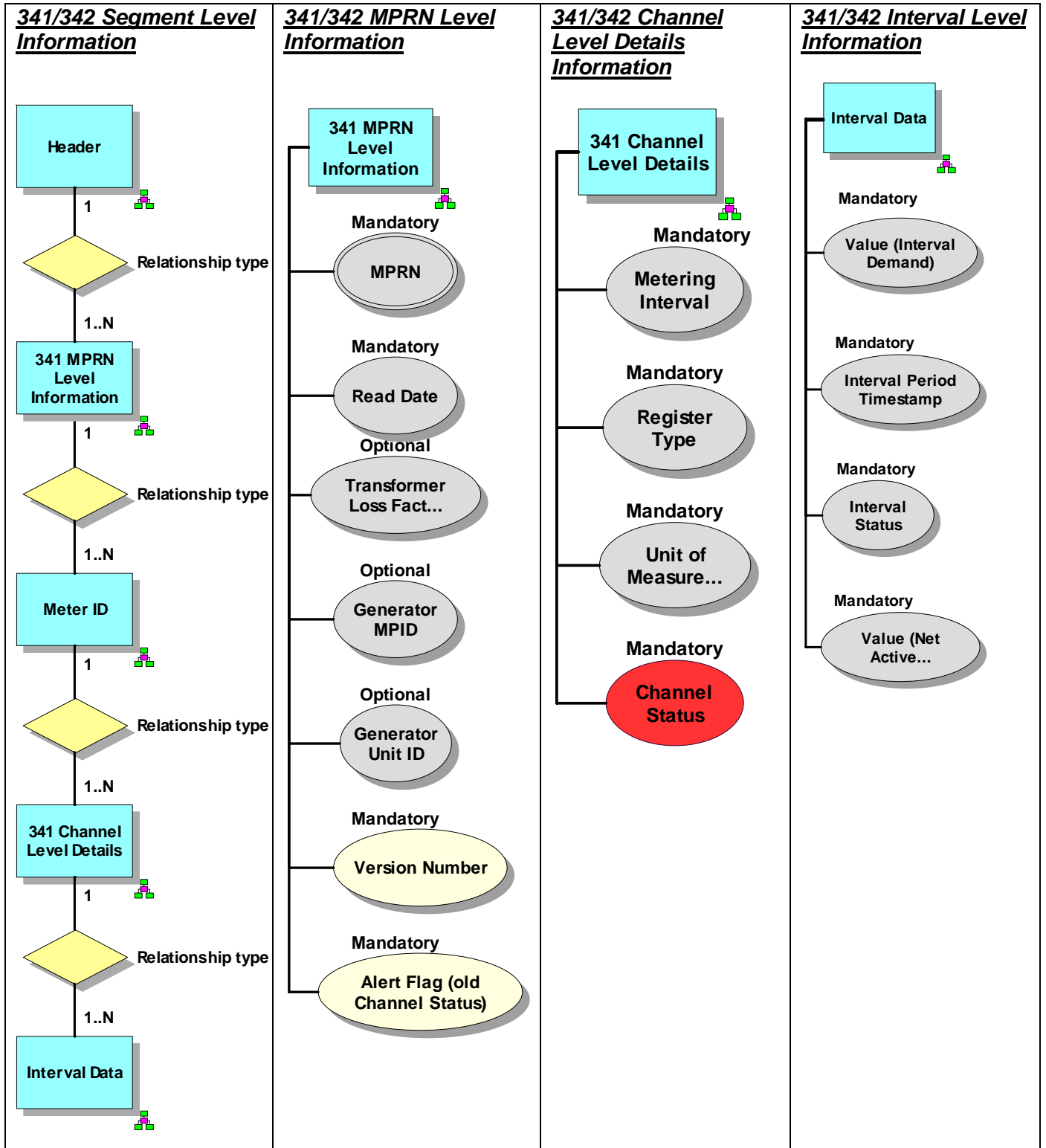
<b>PART 3 RESPONSES AND MODIFICATIONS:</b>
<b>Collation of Impact Assessment (from Form C)</b>
<i>Not Applicable</i>
<b>Modifications Included</b>
<i>Not Applicable</i>
<b>Reason for Modifications</b>
<i>Not Applicable</i>

<b>PART 4 ASSESSMENT &amp; RECOMMENDATION:</b>
<b>Part 4(a) ASSESSMENT</b>
<b>Summary of Impact Assessment</b>
<b>Recommendation on Implementation Plan</b>

<b>Part 4(b) RECOMMENDATION</b>			
<b>ACCEPTANCE</b>	<b>REJECTION</b>	<b>NO RECOMMENDATION</b>	<b>COMMENT</b>
<b>Reason for Recommendation</b>			
<b>Date of Recommendation</b>			

# 1. Proposed Changes

See the modified message structure below. The new 342 Market message for Export data will have the same segments as the 341 market message. Fields in the colour cream are to be added and fields highlighted in red are to be removed.



## Attribute Descriptions

It is proposed to add the information below to the messages.

Segment	341/342 MPRN Level Information
Name	Version Number
Identifier	
Full Name	Version Number
Description	Incremental counter
Allowable Codes on Message	
Valid Code Values	Default 00, 01, 02, 03, ..... 09, 10, 11,.....99.
Composition Instructions	
Business Data Definition	The version number acts as a counter which increments by 1 every time there is reading replacement of QH interval data for a particular day.
Length	2

Segment	341/342 MPRN Level Information
Name	Alert Flag (old Channel Status)
Identifier	
Full Name	Alert Flag
Description	Previously Called Channel Status
Allowable Codes on Message	
Valid Code Values	VV - Values are valid VI - All values are invalid
Composition Instructions	
Business Data Definition	A code to indicate the validity of the data
Length	2