
Form A – IGG Design Discussion Request

Discussion Request Number	Title	Priority
DR 170	Email Address Validation	<i>High</i>

Name of Requesting Organisation	RMDS
Contact Name	Jessica Gregory in RMDS
Date Request sent to RMDS	25th March 2009

Date	Version	Reason for Change
25th March	0.1	First draft
01st April 2009	1.0	<i>Updated based on internal review</i>

Detail of Discussion Request
<p>The upgrade of the Central Market System has resulted in the requirement of email validation across the market.</p> <p>The Upgraded Central Market System (SAP ERP6) requires emails to be structured according to the following rules:</p> <ul style="list-style-type: none">• A mail address may contain the character @ only once• There must not be a full-stop at the beginning• There must not be a full-stop immediately before the character @• There must not be a full-stop immediately after the character @• There must not be a full-stop at the end of the address• There must not be two subsequent full-stops in the address• There must be no blank characters in the address

Detail of Discussion Request

These validations will be incorporated into the Central Market system when receiving relevant inbound messages with email addresses.

Inbound messages which will be validated (and which contain the email address field) are:

- 013 Customer Details Change
- 016 Change of Legal Entity (COLE)
- 017 Meter Point Status Change Request with COLE
- 010 Change of Supplier Registration

The email field is held in the following segments of the messages:

- Customer Contact Details
- Technical Contact Details

If any of the above messages are received with an email address that is not in the correct format, the message will be **rejected** with associated rejection message. A new rejection code will be created (EMA) which will be used exclusively for rejections due to invalid email addresses. The new rejection reason will be added to the schema.

The outbound messages where this rejection reason will have to be accommodated are:

- 014R
- 116R
- 117R
- 102R

Data Cleanse

ESBN will perform a data cleanse exercise on all email addresses which do not comply with validations outlined in the DR.

Action prior to DR implementation

- Suppliers are requested to follow the outlined email address standards from this DR with immediate effect. This will reduce the number of errors within the Central Market System.
- It is unlikely that this DR will be approved to MCR and implemented prior to the upgrade. Any inbound messages which fail validation due to an invalid email address based on the new SAP ERP6 rules, where the correction is obvious ESB Networks will carry out the correction otherwise the invalid email address will be deleted to allow the message process.

Detail of Discussion Request	
Reason for Discussion Request	
<i>The upgrade to the Central market system (to SAP ERP6) has included new functionality which validates the format of email addresses. Currently there is no validation on email address formats. Market Participants will need to adhere to the new email address format. If the validations fail, the inbound message will be rejected with associated rejection message and code EMA.</i>	
Market Design Documents impacted by Request	
Reject Reason Codes document on RMDS website (guidance/data standards)	
Date of IGG where discussed	5 th March 2009
Change Request xref (if applicable)	

PART 2 MARKET ASSURANCE:				
Applicability				
ESB Networks	Suppliers	TSO	SSA	Generators
Scope of Test				
Connectivity	DTT	MSA	IPT	Other
			No. Of Scenarios	

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

Appendix 1

Reject Reason Codes	
AGU	Invalid Generation unit
IRR	Invalid read reason
AMM	The Meter Point Address on the message does not match that held by DSO for the MPRN
IRS	Invalid register sequence - Register Sequence does not exist at Meter Point according to data held by DSO
CAN	Cancellation not agreed
IRT	Invalid read type
CIP	A registration from another supplier is being processed for this MPRN
ITI	Invalid timeslot - Timeslot does not exist at Meter Point according to data held by DSO
COL	Change of Legal Entity in progress
IUM	Invalid unit of measure
COS	The last Change of Supplier was effective less than 20 days of receipt of this registration message
LO	Lock Out
CUG	Customer Usage
MIC	MIC Change detected
DSO	DSO rejected request
MWO	Open Meter Works Order
IA	Invalid Action - The 012 received was a duplicate request. MRSO Already have a valid, open objection for this MPRN
NQE	Not QH Eligible
ICD	Invalid change of Meter point address
NRC	No reason code

ICE	A permitted value for Estimate Acceptable has not been provided.
NRS	No Register Sequence Number No register identification data (sequence number, timeslot or register type) has been provided
ICL	Implied CoLE
NSA	The Supplier has not warranted that a Supply Agreement exists
ICU	Invalid Change of Customer Usage
QHM	A CoS Read Arrangement was provided for a QH metered site
IDT	The Required Date on registration message is greater than 40 days in the future or is more than 3 days ago where a customer read is provided
RP	Registration in progress
IEA	Invalid / incomplete EAI Code
SAR	The Supplier submitting the registration is already registered to this MPRN. The Supplier submitting the objection is not registered to this MPRN and is not the Old Supplier for this MPRN
IGA	Invalid or missing GUAC
SNK	The Supplier Id is not known
IGU	The Generation Unit ID on the message does not match that held for the MPRN
SNR	Supplier Not registered to MPRN
IID	Please Note: The 010 message can also be rejected for invalid / incomplete Data in the scenarios as indicated below. (i) The Customer is a Person but the request did not include a Customer Last Name. (ii) The Customer is an Organisation but the request did not include a Customer Name Org_1. (iii) Customer Name details provided contained a mixture of Person and Organisation fields. (iv) A User rejected the request because data was invalid or incomplete
SSA	A message has not been received from SSA advising Generation Unit ID and Generator Unit MPID in advance of the registration from Supplier
IMF	The CoS Read Arrangement is 'MC' but the requested Meter Configuration Code is not valid
SSN	SSAC Not Known
IMP	The MPRN does not exist or is for a Grouped Un-metered site (either at GMPRN or TMPRN level)
SSS	SSAC is not allowed for use by the Supplier Unit or for the Settlement Class of the Meter Point
IMS	The MPRN status is not Energised or De-energised.
SUN	Supplier Unit Not known
IMT	Invalid meter ID - The Meter Id does not exist at this MPRN according to data held by DSO
SUS	Supplier Unit Invalid for Supplier
IRA	(i) The CoS Read Arrangement specified on registration message must be CR (Customer Read), SC (Scheduled Read), SP (Special Read) or MC (Meter Configuration Change). (ii) CoS Read Arrangement 'CR' must not be specified for MD sites. (iii) CoS Read Arrangement 'CR' or 'SP' must be accompanied by a valid Required Date

TIM	Outside Timescale (Objection/Cancellation/Deregistration) The Read Date has not passed the date validations specified for messages 010, 016 or 210. The objection has been received more than 60 days after effective date of Change of Supplier
IRC	Invalid reason code (Objection/cancellation/deregistration)
TMP	Terminated MPRN
IRP	Invalid Register Type - Register Type does not exist at Meter Point according to data held by DSO
TSR	Trading Site Supplier Unit Rejected
IRQ	Invalid request status
VUL	Vulnerable Customers