

RoI Electricity Assurance Assurance Approach to the June 2011 MDR

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Gemserv Assurance

Gemserv Limited
10 Fenchurch Street

London

EC3M 3BE

Company Reg. No: 4419 878

Tel: +44 (0) 20 7090 1000

Fax: +44 (0) 20 7090 1001



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II Document Controls

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Mary Baxter	RMDS	Publication to Market participants

IV References

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June 2011 MDR Re - Qualification Questionnaire	1.0	February 2010	Approved

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1. Introduction

The Industry Governance Group (IGG) has approved implementation of a Market Design Release (MDR) over the first weekend in June 2011. This comprises a number of Market Change Requests that include a number of changes to the market's XML schema. These changes in turn require all market participants to introduce changes to their market-facing systems concurrently with the MDR.

In order to give confidence that all market participants are properly prepared for cut-over, RMDS has requested Gemserv to devise and implement an assurance plan. This document describes the approach that is proposed for this assurance.

2. Glossary

The following terms and acronyms are used within this document:

Term/Acronym	Expanded Form	Meaning
IPT	Inter-Participant Test	
Market, the Market		The Republic of Ireland electricity market
Market participant, Participant		Any organization that actively trades within the Market. This includes ESB Networks, TSO, Suppliers, Self-Suppliers and Generators
MDR	Market Design Release	All of the MCRs that are included in the June 2011 release of the Market Design.
MDRnnn		The unique reference for an Inter-Participant Test scenario.

3. The Assurance Plan

It is proposed that assurance will be carried out in two stages:

- Self-Assessment or Formal Assessment (see table below)
- Inter-Participant Testing

The types of assurance applicable to different types of Market participant are as follows:

Participant Type	ESB Networks ⁷	Supplier (QH)	Small Supplier (QH) ¹	Supplier (NQH)	Small Supplier (NQH) ¹	Supplier (UM)	Small Supplier (UM) ¹	TSO (EirGrid) ³	Generator
Self-Assessment		MCRs 0178, 0179, 1024, 1040		MCRs 0178, 0179, 1024, 1040		MCRs 0178, 0179, 1024, 1040		MCRs 0178, 0180, 1024, 1040	
Formal Assessment	All MCRs								
IPT	All MCRs	MCRs 0178*, 0179, 1024, 1040		MCRs 0178*, 0179, 1024, 1040		MCRs 0178*, 0179, 1024, 1040		MCR 0180, MCR1040	

Notes:

1. Inter-Participant Testing is not mandated for Small Suppliers due to the lower risk posed by them, however they are encouraged to take part if they have the capability so to do (i.e. access to a test MPCC).

2. *** One Volunteer market participant** is required to undertake the assurance on behalf of the market for MCR0178. The volunteer must have excess generation capacity over demand.
3. Inter-Participant Testing for MCR0180 will be required only of EirGrid.
4. Gemserv will undertake data validation, data integrity and connection testing on behalf of the market for MCR0179. During IPT, market participants are expected to download files as per relevance and normal business requirements. Feedback should be provided to Gemserv.
5. All market participants undertaking IPTs will undertake a single IPT for MCR1024. ESB CS will undertake an additional two IPTs for MCR1024.
6. Market participants licensed for operation in the unmetered segment of the market must undertake the IPT for MCR1040. EirGrid and MPs not licensed for unmetered supply will also receive the additional field codes and values in the relevant market message and must demonstrate the ability to process the additional data.
7. Gemserv will visit ESB Networks to conduct a formal assessment for all MCRs to be released in the June 2011 Market Design Release.

3.1 Self-Assessment

In the self-assessment stage market participants will be provided with a questionnaire that elicits details of their approach to readiness for the MDR. To support their answers the market participant will also be expected to provide evidence that demonstrates their approach.

The questionnaires and evidence can be provided by e-mail to RMDS, who will forward them to Gemserv to be assessed at Gemserv's offices. It is not intended to make a site visit. Any necessary clarifications will be sought. When Gemserv is satisfied that the responses are adequate, the market participant and RMDS will be informed and the market participant will be eligible to carry out Inter-Participant Testing.

3.2 Formal Assessment

Participants that are subject to formal assessment will be provided with the same questionnaire as for Self - Assessment. Following evaluation of this and any necessary clarifications, all carried out at Gemserv's offices, a visit will be made to the market participant's offices.

At this visit evidence of the design, implementation and testing of the MCRs will be verified by inspection of the corresponding documents, test records etc. and an assessment will be made of the effectiveness of the market participant's change project. Any perceived deficiencies will be raised with the market participant, who will be expected to take any necessary corrective action and, possibly subsequently, provide evidence of this to Gemserv. When Gemserv is satisfied that the market participant project has completed the

necessary and sufficient activities to minimise the risk of introducing the changes RMDS will be informed and the market participant will be eligible to carry out Inter-Participant Testing.

Gemserv will be undertaking a scheduled visit to ESB Networks to assess all MCRs to be included in the June 2011 Market Design Release.

3.3 Inter-Participant Testing

A series of Inter-Participant Tests (IPTs) has been compiled to exercise the Market Design changes in a live-like environment. Each test is defined in terms of a scenario that sets out:

- The objectives.
- The initial conditions, which must prevail before the test starts. All market participants will be responsible for creating the initial conditions applicable to them. It may be possible to create these independently in some cases but it may also be necessary for market participants to interact with ESB Networks to create them. In all cases market participants should co-ordinate through RMDS for creation of initial conditions.
- The steps that must occur within the test (in business terms). Each market participant must interpret the business steps into the activities that they will carry out using their own business processes and execute these just as they would if they were operating in the live Market.
- The conditions that must prevail at the end of the test if the test has been successful. Each market participant is responsible for ensuring that they complete the test from their own perspective and should notify RMDS when this is the case.

While executing the tests RMDS will gather evidence from all market participants showing how the test progressed. This will include all Market Messages sent and received by MRSO. When each market participant has completed the tests applicable to them, they should review the test record. If any test did not meet the market participant's own success criteria as well as complying with the MDR a re-run should be requested as soon as possible through RMDS.

When all tests are completed satisfactorily the Market participant should complete the declaration (Appendix B) provided in the Questionnaire and e-mail this to Gemserv, copy to RMDS. The evidence collected by the market participant during their testing is to be sent to RMDS at: rmds@esb.ie. RMDS will forward the evidence to Gemserv who will assess the evidence to verify whether the test ran according to the MDR.

3.4 New Market participants

There are several new Small Suppliers who will be undertaking Market entry assurance in the lead up to the Market Design Release. These will be assured according to the pre-June Market Design. Following their

successful Market Entry assurance they will be required to complete the Self-Assessment aspect of the MDR assurance and will be encouraged to carry out the applicable IPTs, all as described above. If possible, these IPTs will take place within the currently scheduled IPT window but may, due to timing issues; need to take place after the MDR has gone live.