

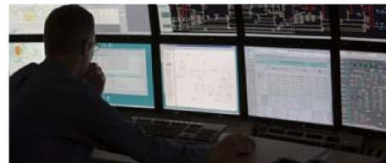
Commissioning Assets: a System Operator Perspective

Part G

System Operator Workshop
April 2007

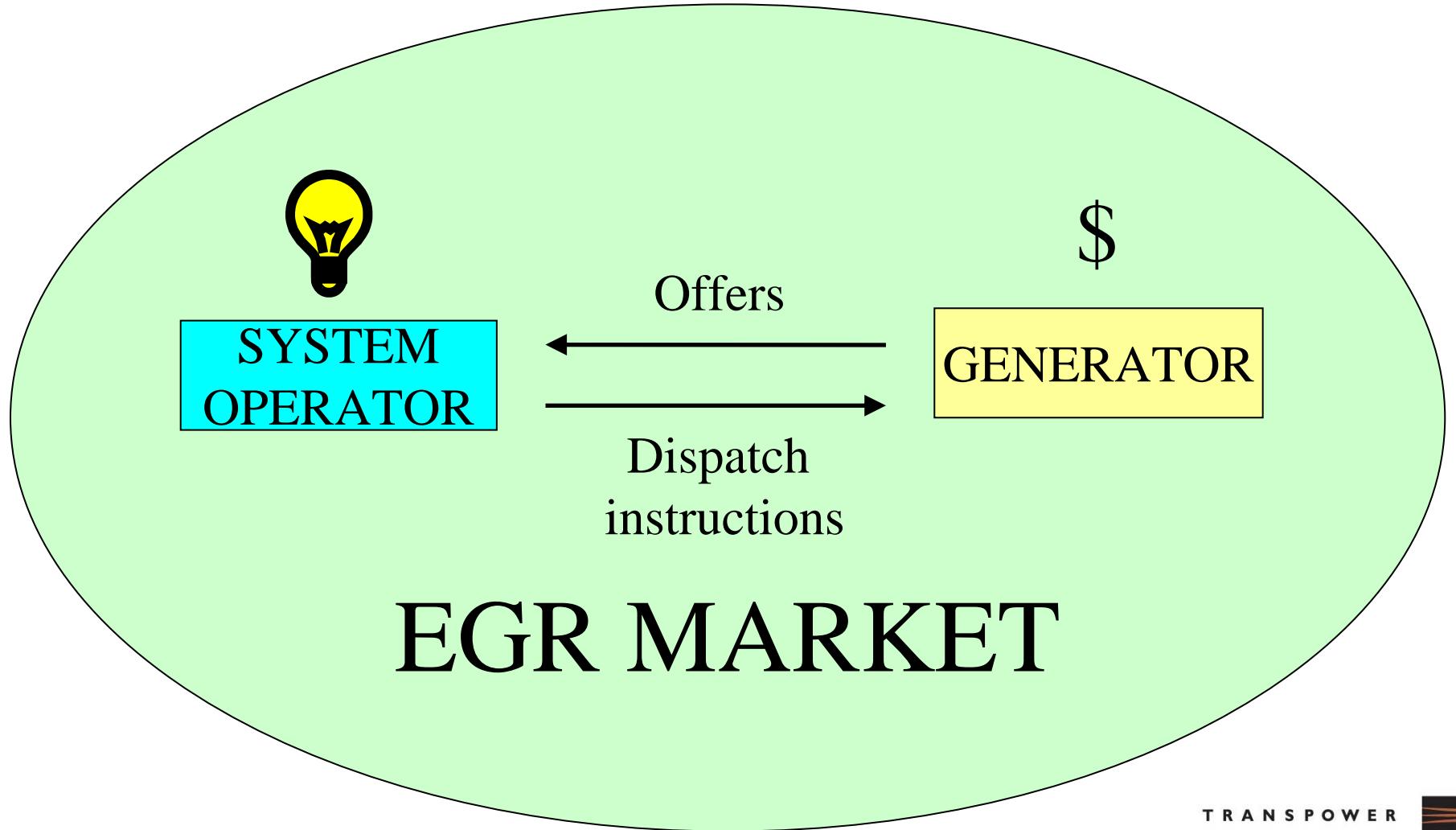
Murray Henderson

TRANSPower

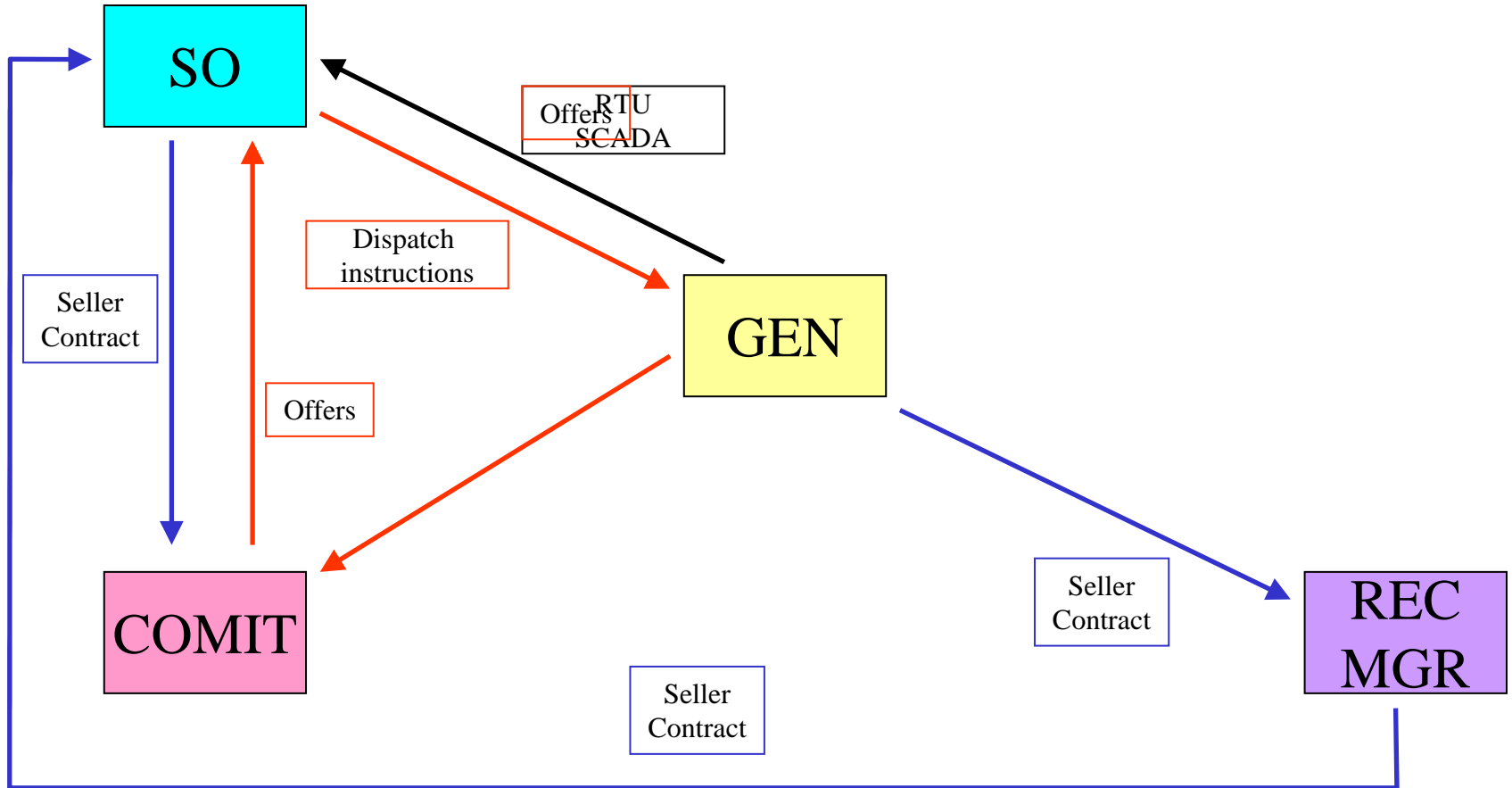


SYSTEM OPERATOR

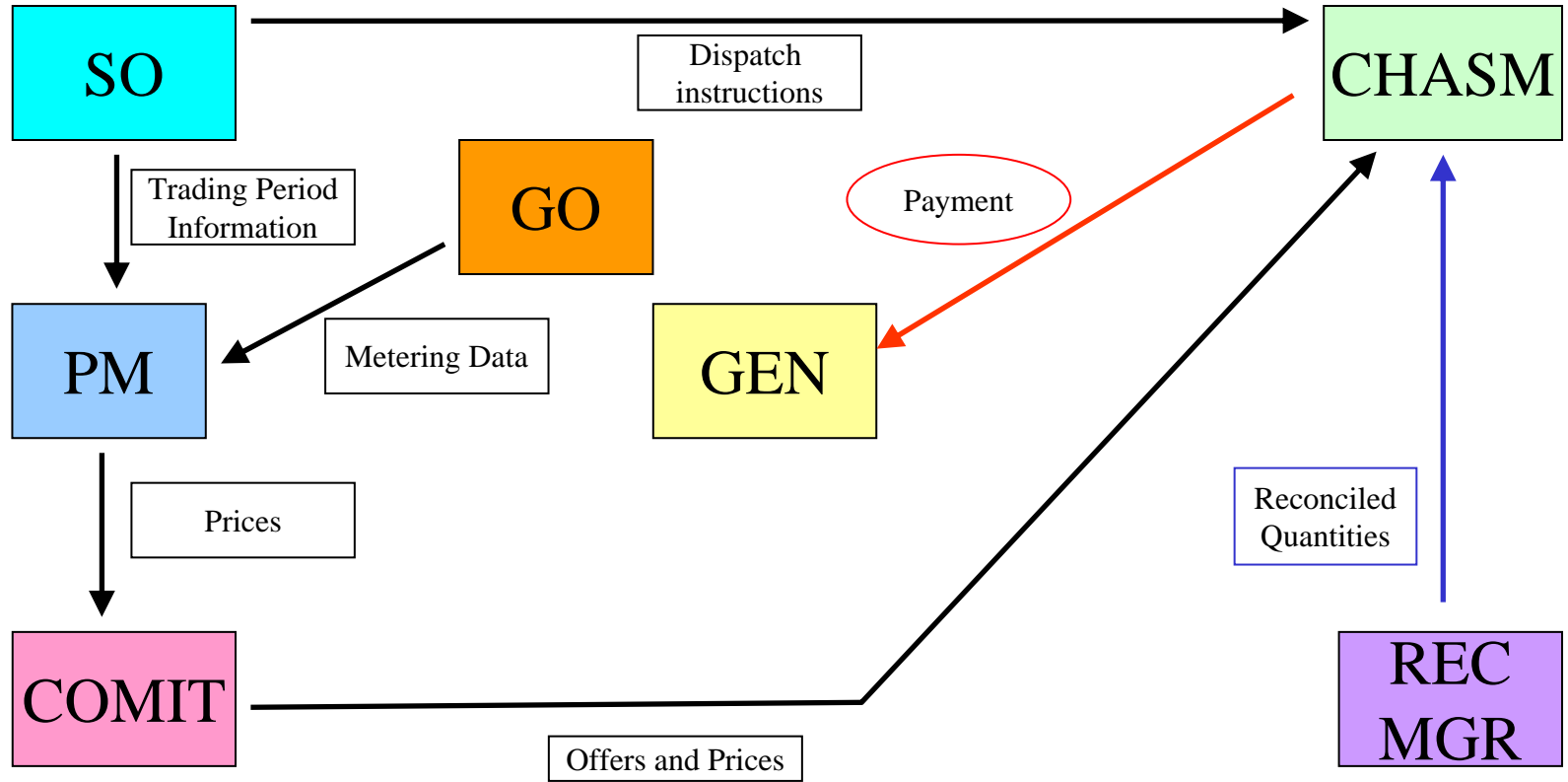
The Objective



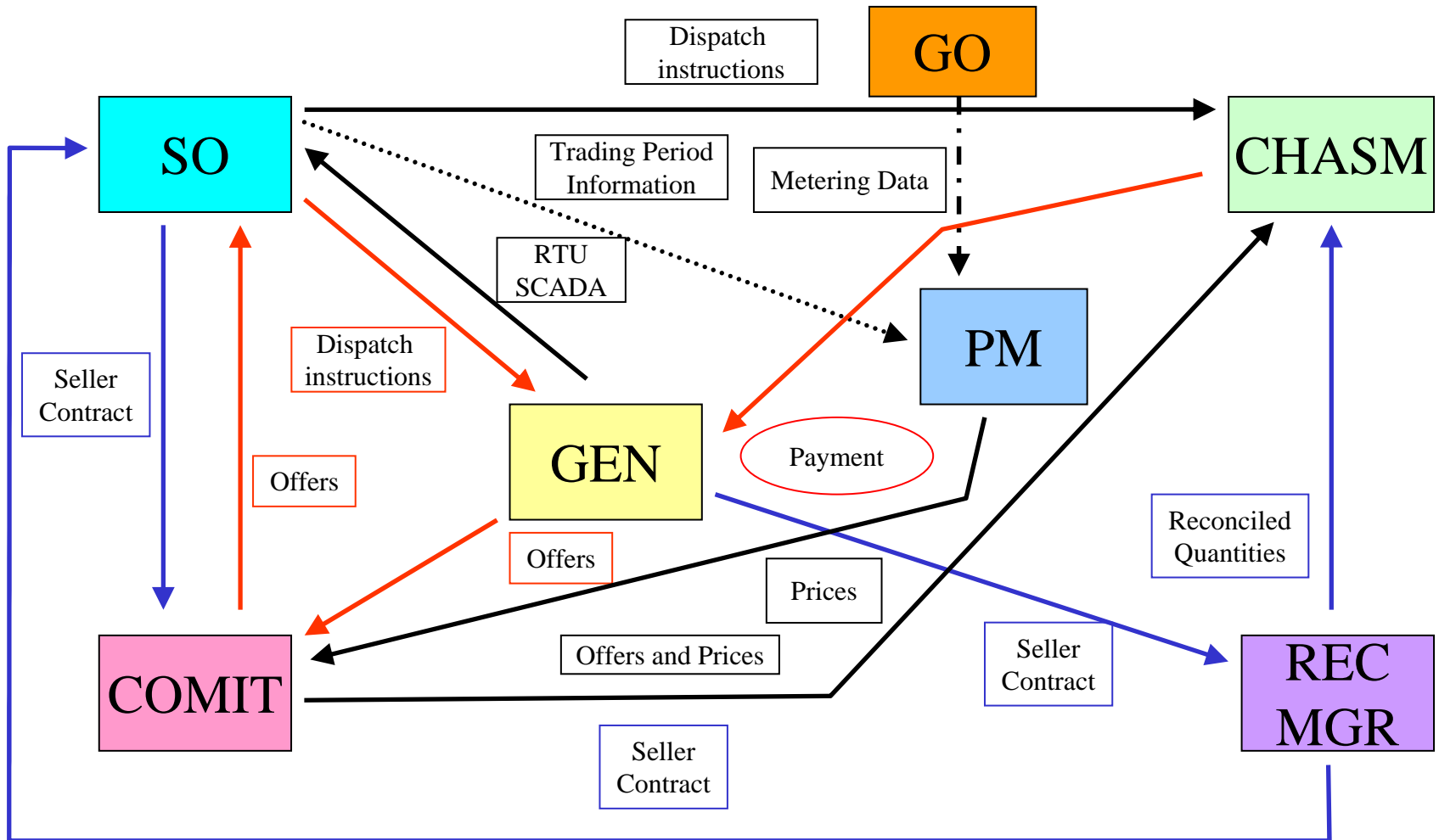
Achieving the objective



Achieving the objective



Achieving the objective



Market Systems – the applications

System Operator

- **GENCO**
- **PSCHED (SPD)**
- **SCADA (RTU)**
- RMT
- TPIX/GSS

3rd Party

- **COMIT** (Info System)
- **CHASM** (Clearing Manager)
- **Merlin** (Reconciliation Manager)
- MV90 (Grid Owner)
- AVALON (Grid Owner)

TRANSPOWER		GENERATOR-NOTICE-OF-INITIAL-OFFER
About This Form:	This form must be completed for each generating plant which the Generator intends to submit offers for. Note: A minimum of five business days notice must be given prior to the intended date of commencing to offer generation under the EGRs. This form is to be completed and emailed to marketservices@transpower.co.nz , the signed original is to be posted to: Market Services System Operations Division Transpower New Zealand Ltd P.O. Box 1021 Wellington Any queries regarding completion of these forms should be addressed to Market Services, Transpower... Email: marketservices@transpower.co.nz ; Phone 04 494 7470	
EGR Requirement - Part G Section 10	Pursuant to rule G-III 3.2 of the Electricity Governance Rules, the System Operator requires Generators to provide the following information prior to making an offer for the first time in respect of a generating plant. This information is required for the purposes of scheduling and dispatch.	

Generator Notice of Initial Offer form

Section 1: Generator Contact Information			
Customer Participant Company Name:	<input type="text"/>	Phone:	<input type="text"/>
Contact Person:	<input type="text"/>	Fax:	<input type="text"/>
Date:	<input type="text"/>	Email:	<input type="text"/>
Completed By:	<input type="text"/>	Signed:	<input type="text"/>
Designation:	<input type="text"/>		

→ Contact Details

Section 2: Generating Plant Details	
First trading period for which an offer is to be submitted: (DD-MM-YYYY-HH-MM)	<input type="text"/>

→ Start Date

Generating Plant Name:	<input type="text"/>	Embedded generating station?	Select
Grid Point of Connection (i.e., XYZ0331):	<input type="text"/>	Intermittent generating station?	Select
Number of Units:	<input type="text"/>	Maximum Total Plant Generation in MW:	<input type="text"/>

→ Asset Details

Dispatch mode:	Select	If dispatch mode is by station, what is the maximum output of the largest single unit in MW?	<input type="text"/>
<i>Note: Please see rule G-III 3.6 for details about dispatch by Block and see rule G-III 3.9 for details about dispatch by Station or by Unit.</i>			

→ Dispatch Options

Block Name: (Block Dispatch Mode only)	<input type="text"/>	Telemetry Equipment Installed (SCADA/RTU)?	Select
Computer network link installed?	Select	Require a Genco software Installation Kit?	Select

→ Real time indications

Which dispatch site (i.e., physical location) should electronic dispatch instructions be sent to? (generators with existing dispatch site only)	<input type="text"/>		
<i>Note: a computer network link is required for electronic communication of dispatch instructions to generators, as per rule G-III 4.9.</i>			
<i>Note: a Genco terminal or access to one is required for electronic communication of dispatch instructions to generators, as per rule G-III 4.9.</i>			

→ GENCO Details

Market Systems – Part G rules

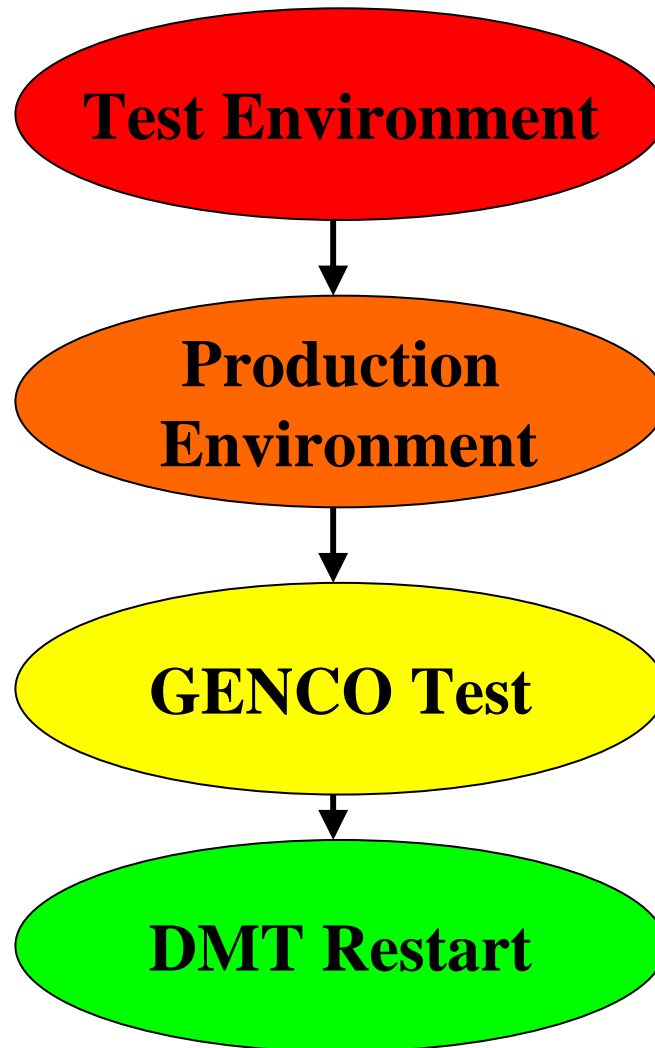
Section II – Bids and Offers

- 3.2 5+ days notice to system operator and pricing manager of initial offer
- 3.8.1 Precludes IG's from offering by unit

Section III – Scheduling and Dispatch

- 3.9 15+ days notice to system operator of station dispatch
5+ days notice from system operator to generator and clearing manager

SO application changes



A realistic timeline

