

System Operations Division User Guide Purchasers Exceeding Maximum Instantaneous Demand Change Limits Guide

Document Location Map

- 📁 **Level 3 Document User Domain Procedures**
 - 📁 **Dispatch (DP) /Operational Event Management**
 - 📄 **UG-DP-001 Purchasers Exceeding Maximum Instantaneous Demand Change Limits Guide**

Document Status: **Approved**

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Revision History

Revision	Date	Change	Section
V01	29 Aug 05	Initial Issue	
V02	8/5/09	Updated EGR references and Market Services process	

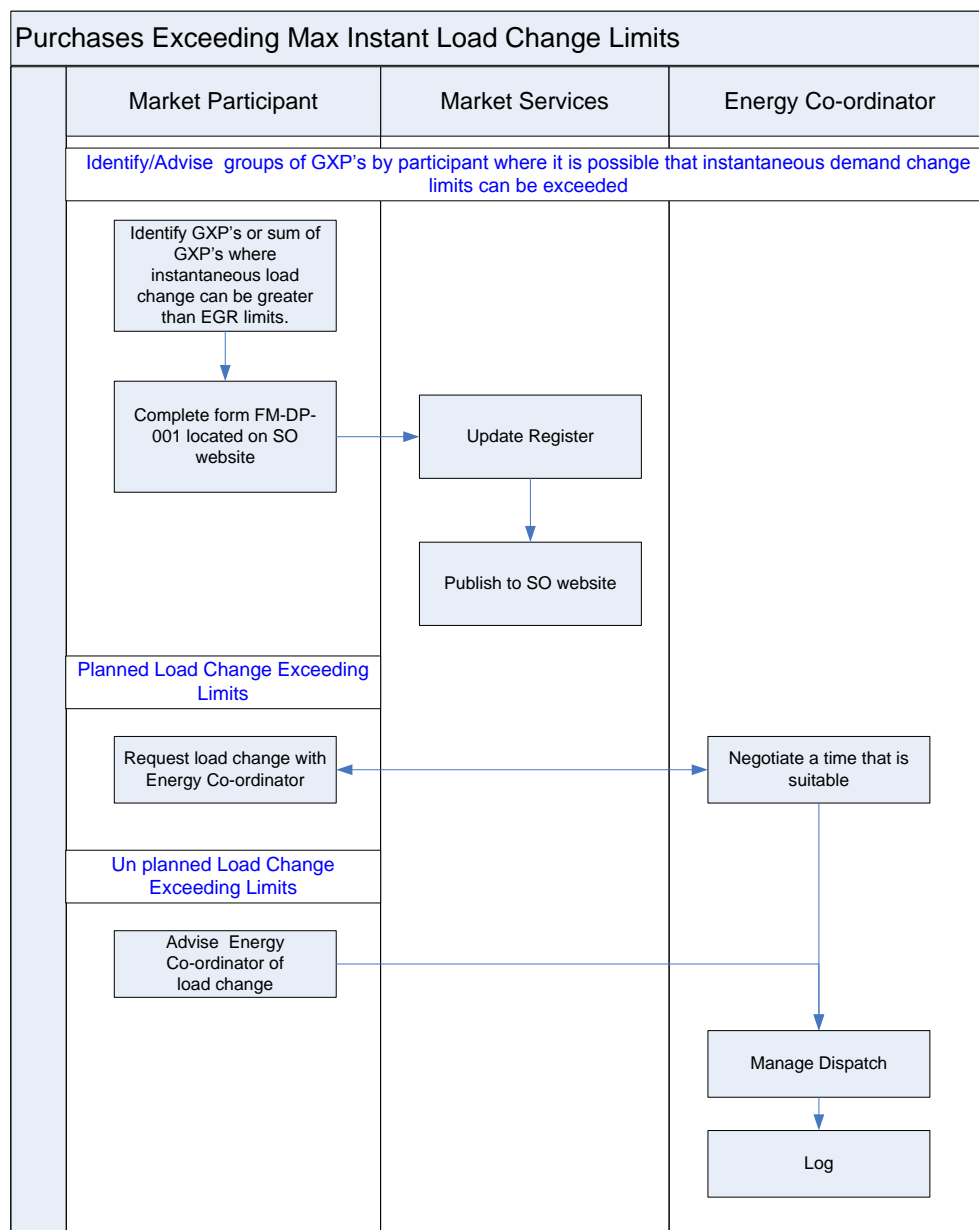
1 Purpose

Purpose and Objectives To manage load changes by customers so that they do not impact on the System Operators dispatch and frequency objectives.

Note: This user guide is limited to load change exceeding the limits defined in the Policy Statement clause 39.

Reference Policy Statement clause 39

2 Process Summary



3 Exceeding Maximum Step Change Limits

Under EGR Part C Schedule C4.39 maximum demand step change limits are stated that participants must adhere to. The System Operator may agree to increase the maximum step change limits through negotiation with the participant provided the SO is able to maintain the dispatch and frequency objectives.

3.1 Setting Up Step Change Agreements

Information Required by System Operator

Prior to setting up any agreements that permits the maximum instantaneous demand change limit to exceed EGR limits the purchaser is required to submit information to the System Operator at the following email address marketservices@transpower.co.nz. The key information for assessment is included on the Transpower System Operator form FM-DP-001, this form is available on the System Operators web site.

- GXP Name(s) and ID(s)
- Participant Name
- Max step change requested
- Reasons why it is necessary to exceed step change
- How often the occurrence is expected

Information Registered

Once the above information has been received and assessed by the system operator it will be entered onto a register. The SO will advise the participant that the information has been recorded.

3.2 Planned Event Exceeding Step Change Limits

Confirm with Energy Co-Ordinator

- Where a Step Change Agreement is in place the participant will verbally request to activate the agreement with the Energy Co-ordinator.
- If the load change is required due to an emergency, then permission is not required from Energy Co-ordinator, the phone call is only for information.

Act according to Energy Co-Ordinators instructions

The Energy Co-ordinator may request that the load change is split into smaller blocks, the participant should make every effort to accommodate any request.


3.3 Unplanned Event Exceeding Step Change Limits

Advise the Energy Co-Ordinator

Where an unplanned step change has occurred that exceeds the EGR limit the purchaser shall contact the Energy Co-ordinator.

4 Appendix

4.1 Sample form

 TRANSPOWER		NOTIFICATION OF DEMAND CAPABLE OF EXCEEDING MAXIMUM INSTANTANEOUS DEMAND CHANGE LIMITS		
About This Form:	This form is to be used by participants to notify the system operator of GXP's that the instantaneous demand change limit as defined in the policy statement clause 39.1 has the capability to be exceeded. The intention of the form is to identify groups of GXP's by participant where it is possible that instantaneous demand change limits can be exceeded. A separate form is required for each group of GXP's.			
<p>Note: This form does not give the participant the automatic authority to exceed policy statement limits. Participants are required to notify the System Operator's Energy Co-ordinator prior to exceeding instantaneous demand change limit when planned or after an unplanned event.</p> This form is to be completed and emailed to marketservices@transpower.co.nz .				
EGR Requirement: Part C Schedule C4 Policy Statement	39 39.1 39.2 39.3	In accordance with rule 2.2 of section III of part C the system operator will from time to time set a maximum instantaneous demand change limit that purchasers shall comply with unless otherwise agreed between the system operator and a purchaser .		
As at the date this policy statement comes into effect and subject to any subsequent change of the maximum instantaneous demand change limit notified by the system operator or alternative agreement between the system operator and a purchaser , the maximum instantaneous demand change limit and net rates of change in offtake for electricity allowable for each purchaser within each island is 40 MW per minute with no more than a 75 MW change in any 5 minute period.				
These clauses 39 and 39.1 do not apply to step changes and rate of change occurring during independent action or restoration in a Grid Emergency.				
The system operator : <ul style="list-style-type: none"> ▪ May agree to specific instances of purchaser step changes exceeding the maximum instantaneous demand change limit. ▪ Will advise details of the process for seeking system operator agreement to step changes beyond the limits in 39.1. ▪ Will advise existing and any new agreements reached for step changes that exceed the maximum instantaneous demand change limit. Step change agreements entered into with the system operator prior to the commencement date of this policy statement continue to be valid. 				
Customer/Participant Company Name: ██████████				
Contact Person: ██████████			Phone: ██████████	
Date: ██████████			Email: ██████████	
GXP ID	GXP Name	Max Instantaneous Demand Step Change Capable per minute	Max Instantaneous Demand Step Change Capable per 5 minute	Reasons
██████	██████	██████ MW	██████ MW	██████
██████	██████	██████ MW	██████ MW	██████
██████	██████	██████ MW	██████ MW	██████
██████	██████	██████ MW	██████ MW	██████
██████	██████	██████ MW	██████ MW	██████
██████	██████	██████ MW	██████ MW	██████
██████	██████	██████ MW	██████ MW	██████
██████	██████	██████ MW	██████ MW	██████
Total		██████ MW	██████ MW	

5 Document Information

5.1 Metadata

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