Operations Division

UG-DP-001 Purch Exceed Max Instant Demand Change Limits Guide

This Userguide is part of the Dispatch (DP) process within Transpower and forms part of the System Operator function. The document can be found in the Operational Documentation Library

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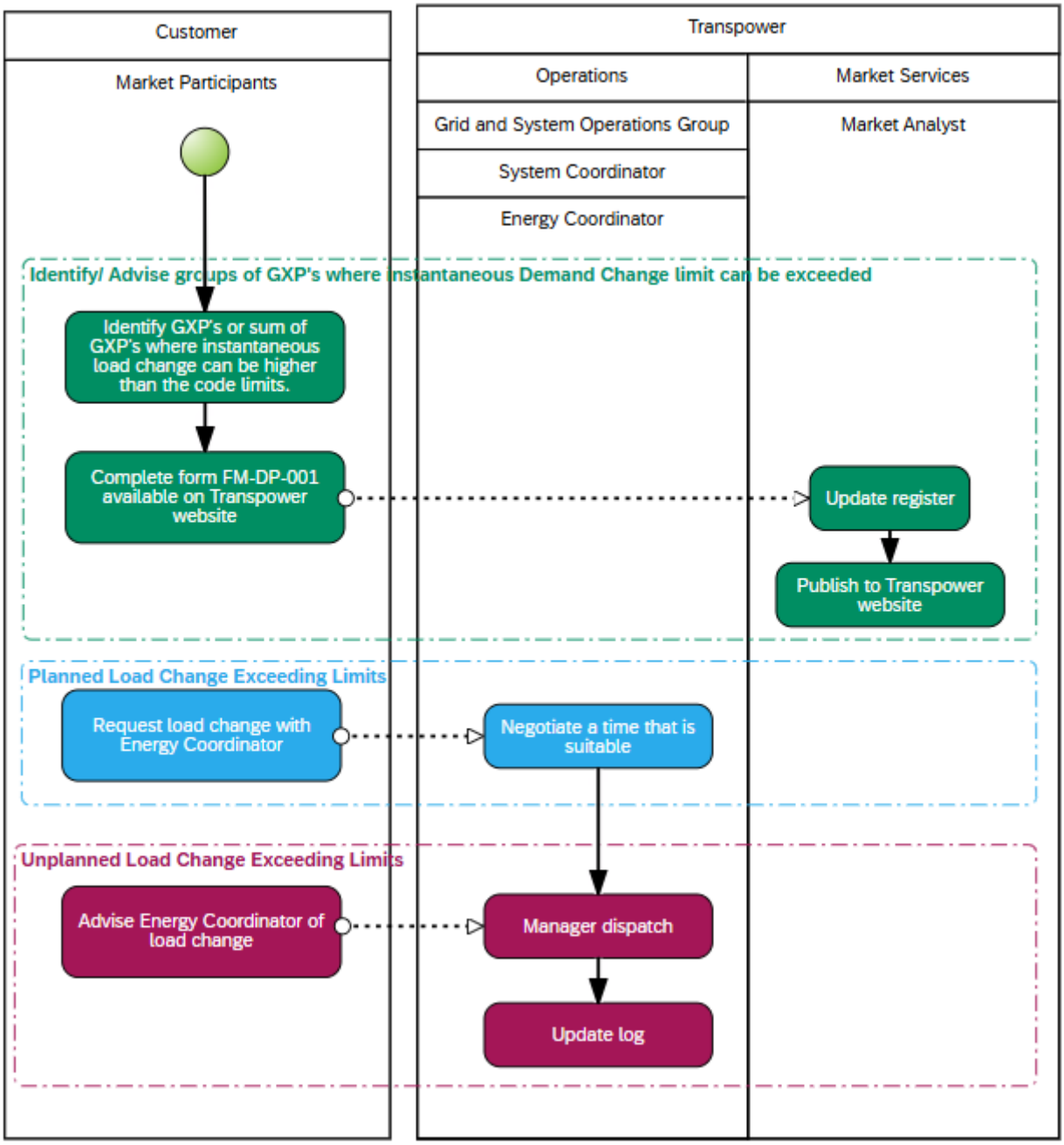
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1 Purpose

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 clauses 39A-39D.
Reference	Policy Statement clauses 39A-39D.

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2 Process Summary



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3 Exceeding Maximum Step Change Limits

Under the Policy Statement (clauses 39A-39D) 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 Policy Statement limits the purchaser is required to submit information to the System Operator at the following email address marketoperations@transpower.co.nz. The key information for assessment is included on the System Operator form FM-DP-001, this form is available on the Transpower web site.

- GXP Name(s) and ID(s)
- Participant Name
- Max step change requested
- Reasons why it is necessary to exceed the step change limits in clause 39B of the Policy Statement
- 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 Policy Statement limit the purchaser shall contact the Energy Co-ordinator.

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4 Appendix

4.1 Sample form

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 GXPs for which the **instantaneous demand change limit**, as defined in the policy statement clause 39B, has the capability to be exceeded. The intention of the form is to identify groups of GXPs by participant where it is possible that **instantaneous demand change limits** can be exceeded. A separate form is required for each group of GXPs. **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. This form is to be completed and emailed to marketoperations@transpower.co.nz.
Code Requirement: Policy Statement	39A Clause 8.18 of the Code provides that **purchasers** must limit the magnitude of any instantaneous change in the **offtake** of **electricity** and net rates of change in **offtake** to the levels the **system operator** requires. 39B As at the date this **policy statement** comes into effect, 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. 39C The **system operator** may specify a **maximum instantaneous demand change limit** and rate of change in **offtake** in relation to a particular **purchaser** that is different from the limit and the rate specified in clause 39B. 39D Clauses 39A and 39B do not apply to step changes and rates of change occurring during independent action or restoration in a **grid emergency**.

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 minutes	Reasons
		MW	MW	
		MW	MW	
		MW	MW	
		MW	MW	
		MW	MW	
		MW	MW	
		MW	MW	
		MW	MW	
		MW	MW	
		MW	MW	
Total		MW	MW	

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5 Document Information

5.1 Copyright Information

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5.2 Document Feedback

If you find an error in this document or wish to provide feedback about any improvements please submit feedback here or use the QR code.

5.3 Revision History

SharePoint Revision	Date	Change	Section
V01	29 Aug 05	Initial Issue	
V02	8/5/09	Updated EGR references and Market Services process	
V03	28/5/12	Updated EGR references to 'Code' references.	
4.0	5/6/15	Cyclic review completed, no material change	
5.0	14/6/19	Cyclic review completed, no material change	
6.0	12/10/2023	Cyclic review completed, no material change[MH]	
7.0	9/11/2026	**Cyclic Review:** Reissued no change.	

5.4 Metadata

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Level of Risk:	Low		

DMS Structure

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Process Hierarchy:	*L1:* 03 Realtime	*L2:* 07 Manage Dispatch	
	L3: 07-02 Manage Demand	*L4:* [Business Model L4]	
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