

CATALOGUE



Market Manual 7: System Operations

Part 7.5: Reliability

Information Catalogue

Issue 16.0

A catalogue of the information that is to be shared between the *IESO* and *Market Participants* in relation to maintaining the reliability of the *IESO-controlled grid*

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This document may contain a summary of a particular *market rule*. Where provided, the summary has been used because of the length of the *market rule* itself. The reader should be aware, however, that where a *market rule* is applicable, the obligation that needs to be met is as stated in the “Market Rules”. To the extent of any discrepancy or inconsistency between the provisions of a particular *market rule* and the summary, the provision of the *market rule* shall govern.

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Table of Changes

Reference (Section and Paragraph)	Description of Change
References	Removed reference to IMO_POL_0001 (Electricity Emergency Priorities Policies) as it has been deleted

Market Manuals

The *market manuals* consolidate the market procedures and associated forms, standards, and policies that define certain elements relating to the operation of the *IESO-administered markets*. Market procedures provide more detailed descriptions of the requirements for various activities than is specified in the "Market Rules". Where there is a discrepancy between the requirements in a document within a *market manual* and the "Market Rules", the "Market Rules" shall prevail. Standards and policies appended to, or referenced in, these procedures provide a supporting framework.

Market Procedures

The "System Operations Manual" is Volume 7 of the "Market Manuals", where this document forms "Part 7.5: Reliability Information Catalogue".

A list of the other component parts of the "System Operations Manual" is provided in "Part 7.0: System Operations Overview", in section 2, "About This Manual".

Structure of Market Procedures

Each market procedure is composed of the following sections:

1. **'Introduction'**, which contains general information about the procedure, including an overview, a description of the purpose and scope of the procedure, and information about roles and responsibilities of the parties involved in the procedure.
2. **'Work Flow'**, which contains a graphical representation of the steps and flow of information within the procedure.
3. **'Procedural Steps'**, which contains a table that describes each step and provides other detail related to each step.
4. **'Appendices'**, which may include such items as forms, standards, policies, and agreements.

Conventions

The *market manual* standard conventions are defined in the "Market Manual Overview" document.

– End of Section –

1. Introduction

1.1 Purpose

The *IESO* is required by the “*Market Rules*” to produce a catalogue of the information that is to be shared between the *IESO* and *market participants* in relation to maintaining the *reliability* of the *IESO-controlled grid*.

This catalogue is designed to advise *market participants* on the *reliability*-related information requirements and needs, and to assist them in meeting their obligations for maintaining the *reliability* of the *IESO-controlled grid*.

This document catalogues:

- The information relating to the *reliability* of the *IESO-controlled grid* that is provided by the *IESO* to *market participants*; and
- The information relating to the *reliability* of the *IESO-controlled grid* that is provided by *market participants* to the *IESO*.

1.2 Scope

This document catalogues only the information that relates to the *reliability* of the *IESO-controlled grid*.

1.3 Overview

The following sections of this document describe the information that is shared between the *IESO* and the *market participants*. Each entry in the table identifies:

- To whom the information is provided;
- A description of the information that is provided;
- The frequency with which the information is provided;
- The method by which the information is provided;
- Any referenced documents relating to the information; and
- The “*Market Rules*” reference relating to the information.

1.4 Contact Information

As part of the participant authorization and registration process, *applicants* are able to identify a range of contacts within their organization that address specific areas of market operations. If a *market participant* has not identified a specific contact, the *IESO* will seek to contact the Main Contact in the Participant Life Cycle (PLC) that is established during the participant authorization process. The

IESO will seek to contact these individuals for activities within this procedure, unless alternative arrangements have been established between the *IESO* and the *market participant*. For more information on PLC and the participant authorization process see “Market Manual 1: Market Entry, Maintenance and Exit, Part 1.1: Participant Authorization, Maintenance and Exit”.

If the *market participant* wishes to contact the *IESO*, the *market participant* can contact the *IESO* Customer Relations via email at customer.relations@ieso.ca or via telephone, mail or courier to the numbers and addresses given on the *IESO*'s Web site (www.ieso.ca) – or click on ‘Have a question?’ to go to the ‘Contacting the IESO’ page). If the *IESO* Customer Relations is closed, messages or emails may be left in relevant voice or electronic *IESO* mail boxes, which will be answered as soon as possible by Customer Relations staff.

– End of Section –

2. Reliability Information Provided by the IESO

Table 2–1: Reliability Information Provided by the IESO

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
1.	<i>Market participants</i>	<i>Reliability Standards NERC/NPCC</i>	Ongoing	By e-mail from the IESO or by links to http://www.ieso.ca/imoweb/ircp/ircp.asp http://www.nerc.com http://www.npcc.org	NERC Standards NPCC Criteria	4	2.1.1
2.	<i>Market participants</i>	<i>Reliability policy and security for local area supply</i>	Ongoing	“Market Manual” (Details upon request of authorized <i>market participants</i> , subject to confidentiality provisions.)	“Market Manual 7: System Operations. Part 7.4: <i>IESO</i> -Controlled Grid Operating Policies”. (Appendix B: <i>Reliability Standards</i> and <i>Security Criteria</i> .)	5	5.4

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
3.	<i>Market participants</i>	Equipment Performance Standards	Ongoing	IESO Web site http://www.ieso.ca/ “Market Rules”	General: Appendix 4.1 of “Market Rules (Chapter 4)” <i>Generators:</i> Appendix 4.2 of “Market Rules (Chapter 4)” <i>Connected Wholesale Customers and Distributors Connected to IESO-Controlled Grid:</i> Appendix 4.3 of “Market Rules (Chapter 4)” <i>Transmitter:</i> Appendix 4.4 of “Market Rules (Chapter 4)”	4	3.1.1
4.	<i>Market participants</i>	Operating Procedures and Instruction	Ongoing	<i>IESO</i> Web site http://www.ieso.ca/ ----- Upon request of authorized <i>Market Participants</i> , subject to confidentiality provisions	“Market Manual 7: System Operations - Part 7.1: System Operating Procedures” For internal procedures: Publicly available System Control Orders (SCO) and Internal Manuals	5	3.2.3

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
5.	<i>Market participants</i>	Requirements for commissioning, inspection and testing of equipment connected to <i>IESO-controlled grid</i> .	Ongoing, as changes occur	<i>IESO</i> Web site http://www.ieso.ca/ <i>OEB</i> Web site http://www.oeb.gov.on.ca	<ul style="list-style-type: none"> “Market Rules Appendices 4.2 to 4.9 (Chapter 4) Transmission System Code (OEB), and Appendices <p>Other reference documents to be added when developed.</p>	4	<i>Transmitters:</i> 3.3.1.3 <i>Generators:</i> 3.4.1.3 <i>Connected Wholesale Customers and Distributors Connected to IESO-Controlled Grid:</i> 3.5.1.3, 5
6.	<i>Market participants</i>	<i>Ancillary Service provider</i> performance standards: black start, <i>regulation</i> , voltage control and reactive support, and <i>Operating Reserve</i> .	Ongoing	“Market Rules”	Appendix 5.1 of “Market Rules” (Chapter 5)	5	4.2.2 , 4.3.2
7.	<i>Market participants</i>	<i>Ancillary Services:</i> requirements and procedures for testing <i>ancillary service provider facilities</i> .	Ongoing; within 6 months of “Market Rules” (Chapter 5) being in force	<i>IESO</i> Web site http://www.ieso.ca/	Appendix 5.1 of “Market Rules (Chapter 5) contains performance standards “Market Manual 7 System Operations. Part 7.8: Ontario Power System Restoration Plan”	5	4.9

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
8.	<i>Market participants</i>	List of equipment and <i>facilities</i> the <i>outage</i> of which must be reported and scheduled with the <i>IESO</i> .	As required	Generic list available in <i>Market Manual</i> Participant specific list available through IOMS	“Market Manual 7: System Operations: Part 7.3: Outage Management”. (Sections 1.3 and Appendix B).	5	6.1.3
9.	<i>Market participants</i>	<i>Planned outage</i> information provided by <i>transmitters</i> and <i>generators</i> subject to confidentiality provisions	Weekly, daily	Included in weekly and daily <i>Security and Adequacy Assessment (SAA)</i> reports	(1) “Market Manual 7: System Operations. Part 7.3 Outage Management” (2) “Market Manual 7: System Operations – Part 7.2 Near Term Assessments and Report”	5	6.5.2
10.	<i>Generators</i> affected	<i>Generation facilities</i> whose <i>outages</i> must be reported to support monthly summaries when their <i>generation facilities</i> are identified by the <i>IESO</i> as affecting the <i>reliability</i> of the <i>IESO-controlled grid</i> but are less than 0.5% of the <i>generator’s</i> total capacity and the <i>generator’s</i> total capacity is greater than 4000 MW	Ongoing/ As required	Hardcopy or electronic advice to <i>generators</i> affected	“Market Manual 2: Market Administration. Part 2.11: 18-Month Outlook and Related Information Requirements”	5	6.2.5.2
11.	<i>Market participants</i>	<i>Dispatch criteria for Special Protection Systems (SPS)</i> e.g. Load rejection, generation rejection	Ongoing; updates as criteria changes	<i>IESO</i> Web site http://www.ieso.ca/	“Market Manual 7: System Operations Manual. Part 7.4: <i>IESO-Controlled Grid Policies</i> ”. (Sections 4.6.1, 4.6.2 , 4.7 and Appendix D)	5	8.2.4

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
12.	<i>Market participants</i>	Specifications regarding exclusions to load management activities undertaken for the purpose of controlling <i>demand</i>	As required	Market Manuals available on the <i>IESO</i> Web site http://www.ieso.ca/	“Market Manual. Part 7.1: System Operating Procedures” (Section 4.6.3)	5	10.3.6
13.	<i>Market participants</i>	Specifications regarding exclusions to load management activities undertaken for the purpose of shedding load during under-frequency conditions	As required	Market Manuals, available on the <i>IESO</i> Web site http://www.ieso.ca/	(1) “Market Manual. Part 7.1: System Operating Procedures” (Section 4.6.3)	5	10.4.11
14.	<i>Distributors and Connected Wholesale Customers</i> subject to automatic under-frequency load shedding	Specification for automatic under-frequency load shedding discrete MW blocks: number, location, size, associated low frequency settings of these blocks	Annually, by week 24 of calendar year	<i>Market Manuals</i> , available on the <i>IESO</i> Web site http://www.ieso.ca/	Covered in: (2) “Market Manual. Part 7.1: System Operating Procedures” (Section 4.6.1) (3) “Market Manual. Part 7.4: <i>IESO</i> -Controlled Grid Policies”.” (Section 4.4)	5	10.4.7
15.	<i>Minister of Energy</i>	<i>Ontario electricity emergency plan and emergency preparedness plan</i> for major <i>market participants</i> – filing with <i>Minister</i> (see subsection 39(1) of the <i>Electricity Act</i> , 1998)	As required	<i>IESO</i> Web site http://www.ieso.ca/	Emergency Preparedness link on the <i>IESO</i> Web site http://www.ieso.ca/imoweb/EmergencyPrep/preparedness.asp	5	11.2.2
16.	<i>Minister of Energy</i>	<i>Ontario power system restoration plan</i> – filing with <i>Minister</i>	As required	<i>IESO</i> Web site http://www.ieso.ca/	“Market Manual 7 System Operations. Part 7.8: Ontario Power System Restoration Plan”	5	11.3.4

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
17.	<i>Market participants</i>	<i>Security limits</i> for all facilities that are part of <i>IESO-controlled grid</i>	Ongoing, updates as changes occur	Upon request of authorized <i>market participants</i> , subject to confidentiality provisions.	System Control Orders <i>IESO</i> Summary of Limits and Transfer Capability	5	5.1.2.2
18.	<i>Market participants</i>	Criteria and margins for developing <i>security limits</i> , and a process for reviewing and revising such criteria and margins	Ongoing, updates as criteria changes	<i>IESO</i> Web site http://www.ieso.ca/	“Market Manual 7: System Operations Manual. Part 7.4: <i>IESO-Controlled Grid Policies</i> ”.	5	5.1.2.3
19.	<i>Market participants</i>	<i>Transmission transfer capabilities</i>	Ongoing, updates as changes occur	By e-mail. <i>IESO</i> Web site <i>NERC</i> Web site <i>NPCC</i> Web site http://www.ieso.ca/ http://www.nerc.com/ http://www.npcc.org/	(1) Reliability Assessments and Regional/interregional Studies, available on <i>NERC</i> and <i>NPCC</i> Web sites (2) 18-month outlooks, on <i>IESO</i> Web site	5	5.2.2 and 5.2.1
20.	<i>Market participant</i>	Demand Forecast Methodology	Ongoing, updated as changes in methodology occur	<i>IESO</i> Web site http://www.ieso.ca	(1) For daily, and weekly: “Market Manual 7: System Operations. Part 7.2: Near Term Assessments and Reports” (Appendix C) (2) “Market Manual 2. Part 2.11: 18-Month Outlook and Related Information Requirements” (3) “Market Manual 2. Part 2.8: Reliability Assessments Information Requirements”	5	7.1.3

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
21.	<i>Market participants</i>	<i>Advance security and adequacy assessments of IESO-controlled grid</i>	<p>Daily: For at least the next 14 days</p> <p>Weekly: For at least the next 28 days</p> <p>Quarterly: For at least the next 18 months</p> <p>Annually: Exceeding the 18 month timeframe</p>	<p><i>Market Manuals, Quarterly and Annual assessments outlooks available at the IESO Web site http://www.ieso.ca/</i></p> <p>Daily and Weekly assessments available on Web site as of market opening</p>	<p>(1) "Market Manual 7: System Operations. Part 7.1: System Operating Procedures". (Section 4.1.2)</p> <p>(2) "Market Manual 7: System Operations. Part 7.2: Near Term Assessments and Reports", for the daily and weekly assessments.</p> <p>(3) "Market Manual 2. Part 2.11: 18-Month Outlook and Related Information Requirements", for monthly assessments.</p> <p>(4) "Market Manual 2. Part 2.8: Reliability Assessments Information Requirements"</p>	5	7.3

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
22.	<i>Market participants</i>	Demand forecasts for Ontario or parts thereof	<p>Daily: For the next day and next 14 days</p> <p>Weekly: For the next 28 days</p> <p>Monthly: For next 18 months</p> <p>Annually: Exceeding the 18 month timeframe</p>	<p><i>Market Manuals, Quarterly and Annual assessments available at the IESO Web site</i> http://www.ieso.ca/</p> <p>Daily and Weekly assessments available on Web site as of market opening</p>	<p>For the daily and weekly: “Market Manual 7: System Operations. Part 7.2: Near Term Assessments and Reports”</p> <p>For monthly: “Market Manual 2. Part 2.11: 18-Month Outlook and Related Information Requirements”</p> <p>For yearly: “Market Manual 2. Part 2.8: Reliability Assessments Information Requirements”</p>	5	7.1.1
23.	<i>Market participants</i>	<i>IESO-controlled grid emergency operating state anticipated or declared</i>	As required; promptly	System Status Report, or telephone call if required	<p>“Market Manual 7: System Operations. Part 7.1: System Operating Procedures” (Section 3.5)</p> <p>List of Emergency Operating State Control Actions (EOSCA) as per “Market Manual 7: System Operations Manual. Part 7.4: <i>IESO-Controlled Grid Policies</i>”.</p>	5	2.3.3

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
24.	<i>Market Participants</i>	Issue <i>NERC Energy Emergency Alerts</i>	As required	Posted on NERC public web site SSR's	List of Emergency Operating State Control Actions (EOSCA) as per "Market Manual 7: System Operations Manual. Part 7.4: <i>IESO-Controlled Grid Policies</i> ". <i>NERC Standard EOP-002 Attachment 1.</i>		
25.	<i>Market participants</i>	<i>IESO-controlled grid high-risk operating state</i> anticipated or declared	As required; promptly	System Status Report, or telephone call if required	"Market Manual 7: System Operations. Part 7.1: System Operating Procedures" (Section 3.4.1) "Market Manual 7: System Operations. Part 7.3 Outage Management" (Section 1.3.4 and 1.3.5)	5	2.4.3
26.	<i>Market participants</i>	<i>10 minute Operating Reserve</i> requirements for next day	Daily	System Status Report	"Market Manual 7: System Operations Part 7.2: Near Term Assessments and Reports"	5	4.5.11
27.	<i>Market participants</i>	Black Start required amounts and location	Before obtaining black start capability service	Contracts	OPSRP – Version 3.0 Section 7.0	5	4.7.2

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
28.	<i>Market participants</i>	Conditions on <i>IESO-controlled grid</i> that may require <i>demand reductions by non-dispatchable load</i>	As required, promptly	System Status Report ----- SCOs upon request of authorized <i>Market Participants</i> , subject to confidentiality provisions	“Market Manual 7: System Operations. Part 7.1: System Operating Procedures”. (Section 3.4.1.) Also System Control Order SCO 425 (Controlled Rotation and Emergency Load shedding)	5	10.1.2
29.	<i>Market participants</i>	Warning of request to reduce <i>demand</i> through voltage reductions or interruptions	By 16:00 hrs of previous day (whenever possible)	System Status Report ----- SCOs upon request of authorized <i>Market Participants</i> , subject to confidentiality provisions	“Market Manual 7: System Operations. Part 7.1: System Operating Procedures” (Section 3.4.1). List of Emergency Operating State Control Actions (EOSCA) as per “Market Manual 7: System Operations Manual. Part 7.4: <i>IESO-Controlled Grid Policies</i> ”. Also System Control Orders SCO 424 (Load Reduction through Supply Voltage Reduction) , SCO 425 (Controlled Rotation and Emergency Load Shedding)	5	10.3.2
30.	<i>Transmitters</i>	Conditions on the <i>IESO-controlled grid</i> after load shedding	Immediately after loads have been shed	System Status Report	“Market Manual 7: System Operations. Part 7.1: System Operating Procedures” (Section 3.4.1).	5	10.4.5

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
31.	<i>Market participants</i>	The total of MW of <i>energy</i> being directed to submit <i>bids</i> or offers from the aggregate of <i>reliability must-run resources</i> under <i>reliability must-run contracts</i>	As required, promptly	System Status Report	“Market Manual 7. Part 7.2: Near-Term Assessments and Reports” (Appendix D).	7	12.1.2.5
32.	<i>Market Participants</i>	Issuance of System Advisory for under-generation in SSR	2 days prior to dispatch day; 1 day prior to dispatch day; any time thereafter if there is a material change to information to previous SSR	System Status Report	List of Emergency Operating State Control Actions (EOSCA) as per “Market Manual 7: System Operations Manual. Part 7.4: <i>IESO-Controlled Grid Policies</i> ”. “Market Manual 4: Market Operations. Part 4.2 Submission of Dispatch Data in the <i>Real-Time Energy and Operating Reserve Markets</i> ” Section 1.3.3 and Appendix E.	7	12.1.1 12.1.3.2 12.1.3.3
33.	<i>Market participants</i>	<i>Pre-dispatch schedule- reliability related</i> information total system load and losses, <i>projected hourly energy shortfalls, operating reserve requirements and shortfalls, reliability must-run resources, most current SSR (System Status Report) and security constraints.</i>	As required under relevant market rules and market manual Initial <i>pre-dispatch schedule</i> by 12:00 EST of each pre-dispatch day	MPI (<i>Market Participant Interface</i>)/Dispatch Workstation System Status Report, as and where applicable	“Market Manual 4: Market Operations. Part 4.2 Submission of Dispatch Data in the <i>Real-Time Energy and Operating Reserve Markets</i> ” (Section 1.3.7, Table 3.1, Appendix E) “Market Manual 4: Market Operations. Part 4.3 <i>Real-Time Scheduling of the Physical Markets</i> ” (Details given in Table 3.2 and 3.3)	7	5.5 (5.5.3.1 to 5.5.3.8)

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
34.	<i>Market participants</i>	<i>Real-Time schedule- reliability related information:</i> total system load and losses, area <i>operating reserve</i> requirements and shortfalls, list of network and security constraints affecting <i>real-time schedule</i>	As required under relevant market rules and market manual Within five minute period after each <i>dispatch interval</i> for <i>operating reserve</i> , and for other items: within one hour after end of each <i>dispatch hour</i>	MPI (<i>Market Participant Interface</i>) / <i>Dispatch Workstation</i>	“Market Manual 4: Market Operations. Part 4.3 <i>Real-Time Scheduling of the Physical Markets</i> ” (Details given in Table 3.1, 3.2 and 3.3)	7	6.5 (6.5.3.1, 6.5.3.2, 6.5.3.6, 6.5.3.7)
35.	<i>Market participants</i>	<i>Real-Time dispatch – reliability related information:</i> total load met, transmission capacity, <i>outages</i> of transmission facilities, total <i>operating reserve</i> scheduled and total energy called from such <i>operating reserve</i>	As required under relevant market rules and market manual Within one hour after each dispatch hour	<i>Real Time Dispatch Workstation</i>	“Market Manual 4: Market Operations. Part 4.3 <i>Real-Time Scheduling of the Physical Markets</i> ” (Details given in Table 3.2 and 3.3)	7	7.8 (7.8.1.1 to 7.8.1.4)
36.	<i>Market participants</i>	To provide to all <i>market participants</i> , the OEB and relevant government authorities, a preliminary and final report (to <i>market participants</i> and the public) related to market suspension and all related steps and actions taken by the <i>IESO</i>	within 10 <i>business days</i> following the resumption of normal market operations Final report as soon as practicable	By electronic or hard copy to <i>market participants</i> <i>IESO</i> Web site Http://www.ieso.ca	“Market Manual 4: Market Operations Part 4.5: Market Suspension and Resumption”	7	13.7.3 and 13.7.4

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
37.	<i>Market participants</i>	Estimate of aggregate load curtailed following return to a <i>normal operating state</i>	As soon as practicable	MPI (<i>Market Participant Interface</i>)/ <i>Real Time</i> Dispatch Workstation	“Market Manual 7: System Operations. Part 7.1: System Operating Procedures”.	5	10.3.7
38.	<i>Market Participants (dispatchable generation facilities)</i>	Spare Generation on-line – expected start time, run time, spare generation amount	Hourly basis	MPI (Market Participant Interface) / Dispatch Workstation	“Market Manual 4; Market Operations. Parts 4.2, 4.3”	7	2.2B, 5.7, 6.3A
39.	<i>Market Participants</i>	Acceptance/Approval of planned Replacement Energy to Support Planned Outages (boundary entity, time period, amount etc)	Promptly	MPI (Market Participant Interface) / Dispatch Workstation		5	6.3.6 - 6.3.10
40.	<i>Market Participants</i>	RMR (Reliability Must Run) requirements to generators, dispatchable loads	As soon as possible	By Phone/Electronically		5	4.8
41.	<i>Market Participants</i>	<i>Information/communications during Planned Outage</i>	As required	Telephone Call, IOMS, Outage Form		5	6.1.7
42.	<i>Market Participants</i>	<i>Emergency Demand Response Load. IESO may request these loads to reduce consumption prior to or during an emergency operating state</i>	As required	Telephone notification call if required	“Market Manual 7: System Operations. Part 7.1: System Operating Procedures” (Section 3.5) List of Emergency Operating State Control Actions (EOSCA) as per “Market Manual 7: System Operations Manual. Part 7.4: <i>IESO-Controlled Grid Policies</i> ”	5	4.8A.1, 2.3.3

Item No.	Information To	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
43.	<i>Market Participants</i>	To publish the times and quantities of voltage reductions and reductions in thirty minute <i>operating reserve</i> upon scheduling of these sources of reserves	As and when required	<i>IESO</i> Web site http://www.ieso.ca MPI (Market Participant Interface) / Dispatch Workstation	"Market Manual 4: Market Operations. Part 4.3: Real-Time Scheduling of the Physical Market". Section 1.6.1 "Market Manual 4: Market Operations. Part 4.2: Dispatch Data in the Real-Time Energy and Operating Reserve Markets". Section 1.3.1	5	4.5.6 A

– End of Section –

3. Reliability Information Required by the IESO

Table 3-1: Reliability Information Required by the IESO

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
1.	<i>Market participants</i>	<p>Complying with <i>reliability</i> related information requirements</p> <p>Results of compliance monitoring and performance testing</p> <p>The <i>IESO</i> is authorized by the Electricity Act (1988) to administer Ontario’s reliability compliance program including the specific <i>IESO reliability</i> related information requirements, set forth in the <i>market rules</i> and as listed in this “Market Manual 7: System Operation. Part 7.5: <i>Reliability Information Catalogue</i>”. The <i>market participants</i> may be required to provide the <i>reliability</i> compliance related information and/or other associated data to the <i>IESO</i> (as per <i>market rules</i>), where applicable.</p>	Upon request of the <i>IESO</i>	<p>Hard or electronic copy to IRCP (<i>IESO Reliability Compliance Program</i>) team¹ at the <i>IESO</i>. IRCP@ieso.ca</p> <p>To facilitate <i>market participants</i> in the submission of <i>reliability</i> compliance related information, where applicable, a dedicated e-mail link to the <i>Reliability Compliance Program</i> has been established that would be utilized for e-mailing the information to the <i>IESO</i> via IRCP@ieso.ca.</p>	“Market Manual 7: System Operations. Part 7.9: <i>Reliability Compliance Program</i> ”	5 4	14 and 3 1 to 5

¹ IRCP Team to make initial contact with the *market participants*.

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
2.	<i>Market participants</i>	Network Impact Information for proposed new or modified connection to <i>IESO-controlled grid</i>	At least 60 days prior to proposed change	As per Connection Assessment and Approval process	<p>General: “Market Manual 2: Market Administration. Part 2.10: Connection Assessment and Approval”</p> <p><i>Generators:</i> Appendix 4.6 of “Market Rules (Chapter 4). <i>Connected Wholesale Customers and Distributors</i> Connected to the <i>IESO-Controlled Grid</i>: Appendix 4.7 of “Market Rules” (Chapter 4). <i>Registered Facilities</i> providing <i>Ancillary Services</i>: Appendix 4.8 of “Market Rules (Chapter 4). <i>Transmitters</i>: Appendix 4.9 of “Market Rules” (Chapter 4).</p>	4	6.1.6

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
3.	<i>Market participants</i>	Connection Information Equipment ratings, in form suitable for dynamic calculation Functional descriptions, equipment ratings and operating restrictions for equipment and distribution facilities included within the <i>IESO-controlled grid</i> .	As part of <i>facility</i> registration	<i>Facility</i> Registration Facility.Registration@ieso.ca	General: “Facility Registration Guide” “Market Manual 1: Market Entry. Part 1.2: Facility Registration” Appendix 4.5A to 4.9 of “Market Rules” (Chapter 4)	4 5 5	6.1.11 5.2.5 <i>Generators:</i> 3.6.1.2 <i>Distributors:</i> 3.7.1.4 <i>Transmitters:</i> 3.4.1.3
4.	<i>Generator and Connected Wholesale Customer</i>	<i>Connection Agreement</i> with <i>transmitter</i> or <i>distributor</i> for new or modified <i>connection facility</i>	<i>Facility</i> Registration	<i>Facility</i> Registration Facility.Registration@ieso.ca	OEB Transmission and Distribution System Codes “Facility Registration Guide” “Market Manual 1: Market Entry. Part 1.2: Facility Registration”	4 7	4 and 6 2.2.6.3
5.	<i>Transmitters</i>	Detailed procedures for processing <i>connection requests</i> ; and Requirements that must be met for connection to its <i>transmission system</i> or for the modification of an existing connection to such system	Within 6 months following the coming into force of Chapter 4.	OEB Transmission Code	OEB Transmission and Distribution System Codes “Market Manual 2: Market Administration. Part 2.10: Connection Assessment and Approval”	4	6.1

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
6.	<i>Market participants</i>	<i>IESO Monitoring Requirements</i>	Continual Basis	Control and Monitoring Equipment through <i>real-time</i> network	<i>Generators:</i> Appendix 2.2 of “Market Rules” (Chapter 2) Appendix 4.15 and 4.19 of “Market Rules” (Chapter 4) <i>Transmitters:</i> Appendix 2.2 of “Market Rules” (Chapter 2) Appendix 4.16, 4.20, and 4.21 of “Market Rules” (Chapter 4) <i>Connected Wholesale Customers and Distributors Connected to IESO-Controlled Grid:</i> Appendix 2.2 of “Market Rules” (Chapter 2) Appendix 4.17 and 4.22 of “Market Rules” (Chapter 4) Embedded Load Customers: Appendix 2.2 of “Market Rules” (Chapter 2) Appendix 4.18 and 4.23 of “Market Rules” (Chapter 4)	4	7.3 7.4 7.5 7.6
7.	<i>Generators (embedded and connected)</i>	Maximum unit capabilities (physical rating) to facilitate <i>dispatch</i> in an <i>emergency operating state</i>	<i>Facility Registration</i>	<i>Facility Registration</i> Facility.Registration@ieso.ca	Facility Registration Guide	5	3.6.1.5

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
8.	<i>Market participants</i>	<i>Emergency Preparedness Plan</i> and such other emergency preparedness-related information	At the time of registration and updated at least annually thereafter by the <i>market participant</i> . Information to be submitted to the <i>IESO</i> as required	<i>Market participant</i> Authorization	<i>Ontario Electricity Emergency Plan</i>	5	11.2.3 and 11.2.4
9.	<i>Market participants</i>	A <i>restoration participant attachment</i> and such other system restoration-related information	Annually	<i>Market participant</i> Authorization	<i>Ontario Electricity Emergency Plan</i>	5	11.3.5, 11.3.6, and 11.3.7
10.	<i>Market participants</i>	<i>Emergency Preparedness Plan</i> and/or <i>restoration participant attachment</i> audit and re-file	As and when directed by the <i>IESO</i>	Hard or electronic copy to the Manager, via 'Emergency Preparedness Department' at the <i>IESO</i> at: Emergency.Preparedness@ieso.ca	<i>Ontario Electricity Emergency Plan</i>	5	11.4.4

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
11.	<i>Market participants</i>	Manner in which the <i>market participant</i> will minimize the cutting and expedite the restoration of critical loads and priority loads during short and prolonged emergencies	At the time of registration and updated at least annually thereafter by the <i>market participant</i> . Information to be submitted to the <i>IESO</i> as required	<i>Emergency Preparedness Plan</i>	<i>Ontario Electricity Emergency Plan</i>	5	11.2.4, 11.2.3, and 11.3.6
12.	<i>SPS Owners</i>	<i>SPS</i> Equipment maintenance for previous 12 months	No later than Dec 1 of each year	Hard or electronic copy to IRCP team at the <i>IESO</i> . IRCP@ieso.ca	<i>NERC</i> Standard PRC-017 (available on <i>NERC</i> Web site)	5	14.1.3.3
13.	<i>SPS Owners</i>	Operating statistics , performance information related to <i>SPS</i>	On an annual basis and when requested by <i>IESO</i>	Hard or electronic copy to IRCP team at the <i>IESO</i> . IRCP@ieso.ca	<i>NERC</i> Standard PRC-016 and PRC-017 (available on <i>NERC</i> Web site)	5	8.3.1.2 and 8.3.1.3
14.	<i>SPS Owners</i>	Request and evaluation of request from affected <i>market participant</i> for permanent <i>exemption</i> from connection to <i>SPS</i>	As required	Exemption Application Form on the <i>IESO</i> Web site.	"Market Rules"	5	8.3.1.4

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
15.	<i>Market participants</i>	Summary of <i>demand</i> control actions for previous 12 months	Annually; as and when requested by <i>IESO</i>	Hard or electronic copy to IRCP at the <i>IESO</i> . IRCP@ieso.ca	Information Submittal Form at <i>IESO</i> Web site when available. “Market Manual 7: System Operations. Part 7.1: System Operating Procedures” (Sections 4.5 and 4.6) “Market Manual 7: System Operations. Part 7.3: Outage Management” Sections 1.3.7, 1.3.6, 1.3.8 (The established procedures/principles in above documents and “Market Rules” to be used as guidelines, as applicable).	5	14.1.3.5 10.3
16.	<i>Market participants</i>	<i>Reliability</i> related performance measures for <i>transmission facilities</i> and connections to <i>IESO</i> -controlled grid	Annually; and when requested by <i>IESO</i>	Hard or electronic copy to IRCP at the <i>IESO</i> . IRCP@ieso.ca	Forms at <i>IESO</i> Web site . <i>IESO –Transmitter Operating Agreement</i> with each <i>transmitter</i> .	5	14.1.3.7 5.4
17.	<i>Market participants</i>	Summary of automatic under-frequency load shedding activities for previous 12 months	Annually; and when requested by the <i>IESO</i>	Form at the <i>IESO Web site</i> when available Hard or electronic copy to IRCP at the <i>IESO</i> . IRCP@ieso.ca	Operating Agreements	5	14.1.3.6

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
18.	<i>Market participants</i>	Planned change to a setting on a fixed-tap transformer	Within one week prior to scheduled change	IOMS, Outage Form Electronic copy to the <i>IESO</i> at: Facility.Registration@ieso.ca	“Market Manual 7: System Operations. Part 7.1: System Operating Procedures”. (Sections 3.3 and 4.2.1)	5	14.1.3.1
19.	<i>Market participants</i> Parties to <i>connection agreement</i>	Notice of equipment testing that requires change to normal operation of that equipment	As testing proposed; (≥ 4 weeks prior to planned test)	IOMS, Outage Form	“Market Manual 7: System Operations. Part 7.3 Outage Management”	4	5.1.5
20.	<i>Market participants</i>	Report describing proposed or <i>emergency</i> modifications to primary protection relay	Within one week of date for <i>IESO</i> approval of proposed modification or within one week of unplanned, <i>emergency</i> modifications	IOMS, Outage Form Electronic copy to <i>IESO</i> at: Facility.Registration@ieso.ca	“Market Manual 7: System Operations. Part 7.3: Outage Management”	5	14.1.3.4
21.	<i>Distributor and Connected Wholesale Customer</i>	Estimate of <i>demand</i> reduction that has occurred as a result of disconnecting under-frequency <i>demand</i>	Within two weeks following an incident of under-frequency load shedding	Hard or electronic copy to IRCP at <i>IESO</i> . IRCP@ieso.ca	“Market Manual 7: System Operations. Part 7.7: Disturbance Reporting” Details to be developed.	5	10.4.9
22.	<i>Generators</i>	Frequency excursion ≥ 60.2Hz or ≤ 59.8Hz Restoration action to protect equipment, personnel or public safety, environment	Immediately	By telephone to <i>IESO</i> Shift Operating Staff	“Market Manual 7: System Operations. Part 7.1: System Operating Procedures”. (Section 3.4.3).	5	10.5.2 10.5.3

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
23.	<i>Generators</i> (embedded and non-embedded)	If <i>facilities</i> cannot operate in accordance with agreed schedule	As changes occur; promptly	Telephone Call, IOMS, Outage Form Changes in <i>bids/offers</i>	“Market Manual 7: System Operations. Part 7.3 : Outage Management” “Market Manual 4: Market Operations. Part 4.2 Submission of Dispatch Data in the <i>Real-Time</i> Energy and <i>Operating Reserve</i> Markets”	5	3.6.1.4
24.	<i>Generators</i>	Any change or anticipated change in the status of any <i>generation facility</i> or related equipment that is under the <i>dispatch</i> control of the <i>IESO</i> , and could have a material impact on the <i>IESO-controlled grid</i> or the operation of <i>IESO-administered markets</i> (list of changes to be reported in Section 3.6.1.3)	As unavailability occurs, promptly	Telephone Call, IOMS, Outage Form	“Market Manual 7: System Operations. Part 7.3 Outage Management”	5	3.6.1.3
25.	<i>Market participants</i>	<i>Emergency</i> removal from service of equipment or <i>facilities</i>	As removal occurs; promptly	Telephone Call, IOMS, Outage Form	“Market Manual 7: System Operations. Part 7.3 Outage Management”	5	6.1.6
26.	<i>Market participants</i>	Notice of <i>forced outage</i> Nature and cause of <i>forced outage</i>	As <i>outages</i> occur; promptly ≤ 48 hrs after <i>outage</i>	Telephone Call, IOMS, Outage Form Incident Report	“Market Manual 7: System Operations. Part 7.3 Outage Management”	5	6.3.4 6.3.5

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
27.	<i>Market participants</i>	Action taken to control <i>demand</i> (list of actions and information to be reported listed in Sections 10.2.2, 10.2.3 and 10.2.4 of “Market Rules”)	Prior notification by 10:00 EST day prior. Advise of actions as soon as possible	Through IOMS prior. Telephone call to advise of actions	“Market Manual 7: System Operations. Part 7.1: System Operating Procedures”. (Sections 3.5, 4.5.1 and 4.5.2)	5	10.2.1
28.	<i>Market participants</i>	Equipment test information (see Section 6.6.2 for list)	Sufficiently in advance of proposed test to allow co-ordination and assessment	Letter or e-mail; then <i>outage</i> request through IOMS	“Market Manual 7: System Operations. Part 7.3 Outage Management”	5	6.6
29.	<i>Distributor or Connected Wholesale Customer</i>	Change or anticipated change in its <i>facilities</i> or equipment that could have a material impact on operation of <i>IESO-controlled grid</i> or <i>IESO-administered markets</i> (<i>Connected wholesale customers</i>) Change or anticipated change in capability of <i>distribution facilities</i> that could have a material impact on operation of <i>IESO-controlled grid</i> or <i>IESO-administered markets</i> (<i>Distributors</i>)	As soon as known, promptly in time frames of <i>outage</i> management	IOMS, Outage form	“Market Manual 7: System Operations. Part 7.3 Outage Management”.	5	3.5.1.2 3.7.1.2
30.	<i>Distributors</i>	Event in service territory that could have material effect on the <i>reliability</i> of the <i>IESO-controlled grid</i>	As soon as known, promptly	By telephone to <i>IESO</i> Shift Operating Staff	“Market Manual 7: System Operations. Part 7.1: System Operating Procedures” (Section 3.3.4, 3.4.4)	5	3.7.1.3

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
31.	<i>Market participants</i>	Confirm <i>planned outage</i> in order to obtain <i>IESO</i> approval of <i>outage</i> ; provide time required to return <i>facilities</i> or equipment to service Notice and request of extension to originally approved <i>planned outage</i>	Before 10:00 am EST on third business day prior to planned outage date As soon as possible	By telephone call, IOMS, Outage Form	“Market Manual 7: System Operations. Part 7.3 Outage Management”	5	6.4.1 6.4.7
32.	<i>Market participants</i>	Information and reports to facilitate preparation of disturbance report by <i>IESO</i> for <i>standards authority</i>	Within 48 hours and follow-ups as required	Initially by telephone Hard or electronic copy to IRCP at <i>IESO</i> . IRCP@ieso.ca	“Market Manual 7: System Operations. Part 7.7: Disturbance Reporting”	5	14.1.5
33.	<i>Transmitters</i>	Frequency values for stations, when under-frequency alarm or indication of declining frequency and voltage Amount and location of load shed and conditions on <i>IESO-controlled grid</i>	As soon as possible after occurrence	By telephone to <i>IESO</i> Shift Operating Staff	“Market Manual 7: System Operations. Part 7.1: System Operating Procedures” Section 3.4.2	5	10.4.2 10.4.4

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
34.	<i>Transmitters and Distributors</i>	Annual total forecast peak <i>demand</i> by <i>connection point</i> Annual total forecast peak <i>demand</i> that can be disconnected within various time scales, by <i>connection point</i>	Annual, by week 24 of calendar year	Hard or electronic copy to IRCP at IESO. IRCP@ieso.ca	“Market Manual 7: System Operations. Part 7.3: Outage Management” Sections 1.3.7, 1.3.6, 1.3.8 “Market Manual 7: System Operations. Part 7.1: System Operating Procedures” (Sections 4.5 and 4.6) (The established procedures/principles in above documents and “Market Rules” Section 10.2, to be used as guidelines for submission)	5	10.2.5.3 10.2.5.4
35.	<i>Transmitter and Generators</i>	<i>Outage</i> plans for <i>facilities</i> forming part of the IESO-controlled grid Provide <i>outage</i> information for IESO to review	As frequently as necessary with reference to Market Rules Chapter 5, Sections 6.2.4.1 and 6.2.4.2	IOMS, Outage Form	“Market Manual 7: System Operations. Part 7.3 Outage Management”	5	6.2.4 6.5.1
36.	<i>Market participants</i>	Schedule of all <i>planned outages</i> , regardless of duration	No later than 33 calendar days prior to a <i>planned outage</i>	IOMS, Outage Form	“Market Manual 7: System Operations. Part 7.3: Outage Management”	5	6.3.1

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
37.	<i>Market participants</i>	Data for <i>IESO</i> Ontario Reliability Outlook assessment report; refer to reference document for specific data requirements	Annually; refer to reference document for schedule	Electronic copy to <i>IESO</i> at: Forecasts.Assessments@ieso.ca	“Market Manual 2: Market Administration. Part 2.8: “Market Manual 2. Part 2.8: Reliability Assessments Information Requirements”	5	7.5 and 7.2
38.	<i>Market participants</i>	Data for <i>IESO</i> 18 month assessment report; refer to reference document for specific data requirements	Quarterly, refer to reference document for schedule	Electronic copy to <i>IESO</i> at: Forecasts.Assessments@ieso.ca (Email (preferred), or conventional mail, file transfer or fax)	“Market Manual 2: Market Administration. Part 2.11: 18-Month Outlook and Related Information Requirements”	5	7.2 and 7.5
39.	<i>Generators with energy limited resources</i>	Data for <i>IESO</i> 28 day assessment report: refer to reference document for specific data requirements	Weekly	Electronic copy to <i>IESO</i> at: MarketForecastsandIntegration@ieso.ca	“Market Manual 7: System Operations. Part 7.2: Near-Term Assessments and Reports”	5	7.2 and 7.5
40.	<i>Generators with energy limited resources</i>	Data for <i>IESO</i> 14 day assessment report: refer to reference document for specific data requirements	Daily	Electronic copy to <i>IESO</i> at: MarketForecastsandIntegration@ieso.ca	“Market Manual 7: System Operations. Part 7.2 Near-Term Assessments and Reports”	5	7.2 and 7.5
41.	<i>Connected Wholesale Customers</i>	<i>Planned outage</i> , closure, test or similar event for next 4 <i>trading weeks</i> that results in change in <i>demand</i> of ≥ 20 MW <i>Planned outage</i> closure, test or similar event for next 4 <i>trading weeks</i> of a <i>facility</i> specifically designated by the <i>IESO</i>	By 2:00 p.m. on last <i>trading day</i> of every second <i>trading week</i>	IOMS, Outage Form	“Market Manual 7: System Operations. Part 7.3: Outage Management”. (Section 1.3)	5	3.5.1.5

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
42.	<i>Market participants</i>	Data required to satisfy request by <i>standards authority</i>	As required: pursuant to the established procedure and submission due dates	Hard or electronic copy to IRCP team at <i>IESO</i> . IRCP@ieso.ca	“Market Manual 7: System Operations. Part 7.9: <i>Reliability Compliance Program</i> ”	5	14.1.4
43.	<i>Transmitter</i>	Transmission system reliability related information required for scheduling and dispatching in real time	As frequently as necessary in accordance with the requirements of Market Rules Chapter 7, Section 3.9	Real Time Network, IOMS and Facility Registration, as applicable	“Market Manual 4: Market Operations. Part 4.2 Submission of Dispatch Data in the Real-Time Energy and Operating Reserve Markets” Appendix 7.4 of “Market Rules” (Chapter 7)	7	3.9
44.	<i>Market Participants (dispatchable generation facilities)</i>	Spare Generation on-line – start time, minimum run time, minimum load level	Hourly basis	MPI (Market Participant Interface) / Dispatch Workstation	“Market Manual 4; Market Operations. Parts 4.2, 4.3”	7	2.2B, 5.7, 6.3A
45.	<i>Market Participants</i>	Replacement Energy to support planned outages (boundary entity, time period, amount etc)	As required	MPI (Market Participant Interface) / Dispatch Workstation, IOMS	“Market Manual 7: System Operations. Part 7.3: Outage Management”	5	6.3.6 - 6.3.10
46.	<i>Market Participants</i>	RMR (Reliability Must Run) amounts, locations, time etc	As soon as possible	Telephone, electronic copy	“Market Manual 7: System Operations. Part 7.3: Outage Management”	5	4.8
47.	<i>Market Participants</i>	Information regarding market operations to assist the <i>IESO</i> in analyzing the suspension	Immediately prior to and during the suspension period	Telephone By electronic or hard copy to Manager, Shifts Operation at <i>IESO</i>	“Market Manual 4: Market Operations Part 4.5: Market Suspension and Resumption” (Table 3-2)	7	13.7.2

Item No.	Information From	Information Description	Frequency; Timing	Means of Provision	Reference Document	Market Rules Reference	
						Chapter	Section
48.	<i>Market Participants</i>	Information and Request for <i>Segregation</i> for approval to operate its <i>registered facility</i> in a <i>segregated</i> mode of operation	Within the time required, as mentioned in Market Rules Chapter 7, Appendix 7.7, Section 1.3	IOMS, Outage Form, Telephone Call	“Market Manual 7: System Operations. Part 7.3: Outage Management”. (Section 1.3)	7, Appendix 7.7	1.3
49.	<i>Market Participants</i>	Information/communications during <i>Planned Outage</i>	As and when required	Telephone Call, IOMS, Outage Form		5	6.1.7

– End of Section –

References

Document Name	Document ID
Market Rules	MDP_RUL_0002
NERC Standards	
NPCC Criteria	
Reliability Assessments and Regional/Interregional Studies	
Market Manual 1: Market Entry, Maintenance and Exit, Part 1.1: Participant Authorization, Maintenance and Exit	MDP_PRO_0014
Market Manual 1: Market Entry, Maintenance and Exit: Part 1.2: Facility Registration, Maintenance and De-registration.	MDP_PRO_0016
Market Manual 7: System Operations. Part 7.9: Reliability Compliance Program	IMO_PRO_0033
Market Manual 2: Market Administration. Part 2.8: Reliability Assessments Information Requirements	MDP_PRO_0024
Market Manual 2: Market Administration. Part 2.10: Connection Assessment and Approval	MDP_PRO_0048
Market Manual 2: Market Administration. Part 2.11: 18-Month Outlook and Related Information Requirements	IMP_PRO_0024
Market Manual 4: Market Operations. Part 4.2: Submission of Dispatch Data in the Real-Time Energy and Operating Reserve Markets	MDP_PRO_0027
“Market Manual 4: Market Operations. Part 4.3 Real-Time Scheduling of the Physical Markets”	IMP_PRO_0034
“Market Manual 4: Market Operations Part 4.5: Market Suspension and Resumption”	MDP_PRO_0030
Market Manual 7: System Operations. Part 7.0: System Operations Overview	IMP_MAN_0012
Market Manual 7: System Operations. Part 7.1: System Operating Procedures	MDP_PRO_0040
Market Manual 7: System Operations. Part 7.2: Near Term Assessments and Reports	IMP_PRO_0033
Market Manual 7: System Operations: Part 7.3: Outage Management	IMP_PRO_0035
Market Manual 7: System Operations. Part 7.4: IMO-Controlled Grid Operating Policies	IMP_POL_0002
Market Manual 7: System Operations. Part 7.7: Disturbance Reporting	IMO_PRO_0011

Document Name	Document ID
Market Manual 7 System Operations. Part 7.8: Ontario Power System Restoration Plan	IMO_PLAN_0001

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