



# **Manual 15**

# **Emergency Operations Manual**

**Issued: July, 2020**

emergency occurs during a test and Load Shedding is required, the Load Shed Alarm System shall be activated.

### ***NYISO Actions***

The NYISO shall perform the following:

1. Initiate the test.
2. Record TO test data and times on form [D-1, Attachment D](#).
3. Forward the test data and times to NYISO Grid Operations Management for review.

### ***Transmission Owner Actions***

The TOs shall perform the following:

1. Initiate the test at TO level.
2. Report the following information to the NYISO:
  - System load at time of order
  - Time Load Shedding completed
  - Estimated amount of MW shed

## **9.3. Test Procedure for Requesting Voltage Reduction**

### **9.3.1. Voltage Reduction test - simulated**

At an appropriate time between 1000 and 1400, the NYISO shall initiate a test of Voltage Reduction. The NYISO shall clearly indicate that it is a test and that a Major Emergency does not exist. The NYISO shall use the dialog specified in form [D-2, Attachment D](#).

Upon being notified of the test, the TOs shall proceed through the steps that are normally required if an actual request to implement Voltage Reduction is given, without actually activating any Voltage Reduction devices.

### ***NYISO Actions***

The NYISO shall perform the following:

1. Initiate the test.

2. Record TO test data and times on form [D-2, Attachment D](#).
3. Forward the test data and times to NYISO Grid Operations Management for review.

### ***Transmission Owner Actions***

The TOs shall perform the following:

1. Initiate the test at TO level.
2. Report the following information to the NYISO:
  - System load at time of order.
  - Time notifications completed.
  - Estimated Load Relief achieved.

#### **9.3.2. Voltage Reduction test - actual**

At an appropriate time between 1000 and 1400, the NYISO shall initiate a test of Voltage Reduction. The NYISO shall clearly indicate that it is a test and that a Major Emergency does not exist. The NYISO shall use the dialog specified in form [D-7, Attachment D](#).

Upon being notified of the test, the TOs shall proceed through the steps that are normally required to implement Voltage Reduction, activating the appropriate Voltage Reduction devices.

### ***NYISO Actions***

The NYISO shall perform the following:

1. Initiate the test.
2. Record TO test data and times on form [D-7, Attachment D](#).
3. Forward the test data and times to NYISO Grid Operations Management for review.

### ***Transmission Owner Actions***

The TOs shall perform the following:

1. Initiate the test at TO level.
2. Report the following information to the NYISO:
  - System load at time of order.

- Time notifications completed.
- Load Relief achieved.

#### **9.4. Test Procedure for Requesting Emergency Restoration of NYS Power System**

At an appropriate time between 1000 and 1400, the NYISO shall initiate a test of Emergency Restoration. The NYISO shall clearly indicate that it is a test and that a Major Emergency does not exist.

Upon being notified of the test, the TOs shall proceed through the steps that are normally required if an actual request to implement Emergency Restoration is given, without actually performing any switching for restoration procedures.

##### ***NYISO Actions***

The NYISO shall perform the following:

1. Initiate the test.
2. Forward the test data and times to NYISO Grid Operations Management.

NYISO Grid Operations Management shall perform the following actions:

1. Review test data and times with TOs.
2. Issue a report to the NYISO System Operations Advisory Subcommittee (SOAS).

##### ***Transmission Owner Actions***

The TOs shall perform the following:

1. Initiate the test at TO level.
2. Report the following information to the NYISO:
  - Estimated time to complete restoration.

#### **9.5. Test Procedure for Interim New York Control Area Operation and ACC Operation**

At an appropriate time, between 1000 and 1400, the NYISO shall initiate a test of Interim NYCA Operation and ACC Operation. The NYISO shall clearly indicate that it is a test and that a Major Emergency does not exist. The NYISO shall use the dialog specified in form [D-5, Attachment D](#).

Upon being notified of the test, the TOs shall proceed through the steps that are normally required if an actual order to implement Interim NYCA Operation & ACC Operation is given.

## Attachment C Load Relief Capability

- Table C-1 tabulates the Load Relief available from Voltage Reduction and load curtailment.
- Table C-2 allocates New York Control Area wide load reduction among the Transmission Owners (TOs).
- Table C-3 allocates load reduction among the TOs on a geographic basis.

**Note:** The above attachments do not require committee approval and are subject to change at the NYISO's direction.

**Table C- 1: Summer 2020 Load Relief Measures**

Remote TO-->		VOLTAGE REDUCTION CAPABILITY PERIOD															SUMMER 2020						TOTAL (NYISO)					
ZONE		LI			CE			OR			CH			PA			NG		NY		RG		3%	5%	8%			
		3%	5%	8%	3%	5%	8%	3%	5%	8%	3%	5%	8%	3%	5%	8%	3%	5%	8%	3%	5%	8%	3%	5%	8%			
A																	28	28							0	28	28	
B																	8	8							0	13	13	
C																	30	30		3	3				0	32	32	
D																	0	0							0	0	0	
E																	24	24							0	24	24	
F																	53	53							0	53	53	
G								9	9		7	7													0	16	16	
H																									0	3	5	
I																									0	33	52	
J																									0	229	367	
K		9	15	15																					0	229	367	
TOTAL (TO)		9	15	15	0	265	424	0	9	9	0	7	7	0	0	0	0	142	142	0	3	3	0	5	5	9	445	605

MANUAL TO-->		VOLTAGE REDUCTION CAPABILITY PERIOD															TOTAL (NYISO)										
ZONE		LI			CE			OR			CH			PA			NG		NY		RG		3%	5%	8%		
		3%	5%	8%	3%	5%	8%	3%	5%	8%	3%	5%	8%	3%	5%	8%	3%	5%	8%	3%	5%	8%	3%	5%	8%		
A														5	8					3				5	11	0	
B														1	2									1	2	0	0
C														6	10					5				6	15	0	
D														6	9									6	9	0	0
E														3	5					2				3	7	0	
F																				2				0	2	0	
G														7										0	7	0	
H																				3				0	3	0	
I																								0	0	0	
J																								0	0	0	
K														2	4									2	4	0	
TOTAL(TO)		0	0	0	0	0	0	0	0	0	7	23	38	0	0	0	15	0	0	0	23	60	0	0	0		