

# Operating Procedures

ISO New England Operating Procedure No. 2

*Maintenance of Communications, Computers,  
Metering and Computer Support Equipment –  
Appendix A – Itemized Equipment*

Effective Date: March 23, 2005  
Revision No. 3

Appendix A -  
Itemized Equipment  
Maintenance of Communications, Computers,  
Metering and Building Services

Maintenance  
Priority  
(See Note 1)

ISO New England Computer Equipment (EMS System)

Any equipment or device that may interrupt or alter  
The flow of data critical to system operation via the  
EMS –

Not supported by a back-up system	A
Supported by a back-up system	B
Control Room Printers and Loggers	B
Man/Machine Consoles	
Console keyboards	A
Console CRT's	
More than 1 CRT of a Multiple CRT Console	A
1 CRT of a Multiple CRT Console	B
Console Trackball/Mouse	A

Other Equipment at ISO New England

Computer Room Air Conditioner	A
Fire Protection System	A
Lower Equipment Room Air Conditioner	A
Un-interruptible Power Supply (UPS)	A
Frequency Measuring	B
Security System	B
Analog PCE	A
Diagram Board Displays	B
Recorder Panel (Including Digital Displays and Clock)	A
Telephone Message Recorders	A
Outage Scheduler	A
ICU Auto Call	A
Emergency Notification System	A

Microwave

Microwave Equipment directly affecting the ISO New England facility.  
Includes all channels as listed below:

Loop and spur RF equipment affecting loop operation, all loop closing equipment, and all other loop and Local Control Center spur station equipment having an effect on ISO New England channels	A
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## Appendix A (Cont.)

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Voice Communications

Dispatcher Microwave Telephone Circuits – ISO New England Local Control Center /SCADA Centers/Generators or Generator dispatch designee	B
Dispatcher telephone circuit - ISO New England/NYISO	A
Dispatcher telephone circuit - ISO New England/New Brunswick	A
Dispatcher telephone circuit - ISO New England/ TransEnergie	A
Dispatcher party line circuit - ISO New England/Local Control Center	A
Control Room Direct Dial Outside Lines	A
Administrative Microwave Telephone Circuits – ISO New England/ Local Control Center /SCADA Centers	B
Administrative telephone circuits - ISO New England/ NYISO	B
Administrative telephone circuits - ISO New England/New Brunswick	B
Administrative telephone circuits - ISO New England/ TransEnergie	B

Control, Telemetry, and Data Communications

Data Links - ISO New England/ Local Control Center /SCADA Centers	A
ISO New England Tie Line Telemetry – Primary Circuit (Telephone and Microwave)	A
ISO New England Tie Line Telemetry – Secondary Circuit	B
Security Coordinator Information System (SCIS)	A
Weather Services System (Includes modem, telephone circuit, satellite dish, and CRT's)	B
Communications Channels for Special Protection Systems	A
Remote Intelligence Gateway equipment located at the ISO	A

Local Control Center, SCADA Center Computers, Inter Control Center Communications Protocol and Remote  
Intelligence Gateway Equipment external to the New England Control Area

Any equipment or device that may interrupt or alter the flow of data critical to system operation via the ISO New England EMS – not supported by a back-up system	A
supported by a back-up system	B
Remote Terminal Units, Communication, and Control Circuits for Units Capable of AGC Control.	A
Remote Intelligence Gateway Equipment	A
Remote Terminal Units and Analog Telemetry Supplying Data To Local Control Center Computers	B

## APPENDIX A NOTES:

1. Codes prescribing the requesting of technicians services to accomplish repairs:
  - A. Immediate.
  - B. Regular staff hours except if more than sixteen (16) hours removed.
  - C. Regular staff hours.
2. Any equipment not specifically mentioned in this procedure will be handled on a case by case basis with the Operating Staffs at ISO New England, the Local Control Center and SCADA Centers determining the Criteria for Maintenance.

## OP 2 Appendix A Revision History

**Document History** (This Document History documents action taken on the equivalent NEPOOL Procedure prior to the RTO Operations Date as well revisions made to the ISO New England Procedure subsequent to the RTO Operations Date.)

<b>Rev. No.</b>	<b>Date</b>	<b>Reason</b>
Rev 1	02/01/05	Updated to conform to RTO terminology
Rev 2	02/22/05	Update to include the Outage Scheduler under the 'A' requirements which prioritizes it as requiring immediate attention for repairs
Rev 3	03/23/05	Update to include the ICU Auto Call and the ENS under the 'A' requirements which prioritizes it as requiring immediate attention for repairs