



Operating Procedures

ISO New England Operating Procedure No. 6

System Restoration – Appendix D – Inter-Local Control Center Ties Operating at 115kV and Above

Effective Date: July 19, 2010
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Appendix D - Inter-LCC Ties Operating at 115 kV and Above

Table of Contents

TABLE 1 – REMVEC II - NEW HAMPSHIRE	2
TABLE 2 – REMVEC II - VELCO	2
TABLE 3 – NEW HAMPSHIRE - VELCO	3
TABLE 4 – NEW HAMPSHIRE - MAINE	3
TABLE 5 – CONVEX - REMVEC II	3
TABLE 6 – CONVEX - VELCO	4
TABLE 7 – NSTAR - REMVEC II.....	4
OP 6 APPENDIX D REVISION HISTORY.....	5

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TABLE 1 – REMVEC II - NEW HAMPSHIRE

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
A253	Merrimack Autotransformer	230/115/kV

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
I135N	Bellows Falls - Monadnock Tap – Monadnock - Fitzwilliam	115kV
I135	Flagg Pond – Ashburnham – East Winchendon - Fitzwilliam	115kV
Q195	Moore - Whitefield	115kV
Y151	Pelham - Power St	115kV

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
D204	Moore - Littleton Tap – Littleton - Comerford	230kV
326	Sandy Pond – Lawrence - Scobie Pond	345kV
394	Ward Hill - West Amesbury - Seabrook	345kV

TABLE 2 – REMVEC II - VELCO

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
F206	Comerford - Granite	230kV

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
K26	Wilder - Hartford	115kV
W149/K149	Bellows Falls - –Ascutney – Slayton Hill	115kV
Q117/K4	Adams - Bennington	115kV

TABLE 3 – NEW HAMPSHIRE - VELCO

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
N186/K186	Chestnut Hill – Vernon Rd – VT Yankee	115kV
K174	North Rd. - Ascutney	115kV
60/K60	Littleton - St. Johnsbury	115kV

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
379	Vernon_VT - Fitzwilliam	345kV

TABLE 4 – NEW HAMPSHIRE - MAINE

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
197	Three Rivers - Quaker Hill	115kV
K1214/214	Saco Valley -Lovell	115kV
250	Three Rivers - Maguire Rd	115kV

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
385	Deerfield - Buxton	345kV
391	Scobie - Buxton	345kV

TABLE 5 – CONVEX - REMVEC II

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
Y177	Montague/Cabot - Sherman-Harriman	115kV
B128	Harriman - Montague/Cabot – Barre – Treasure Valley – Webster -Millbury	115kV
F132	Doreen - Partridge - Adams	115kV
X176	Ludlow - Thorndike - Palmer	115kV
1870S	Shunock - Wood River	115kV

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
301/302	Ludlow - Carpenter Hill - Millbury	345kV
347	Killingly - Sherman Rd.	345kV

TABLE 6 – CONVEX - VELCO		
Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
381	Northfield Mt. – Vernon_VT	345kV

TABLE 7 – NSTAR - REMVEC II		
Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
349	Mystic - Wakefield Junction	345kV
338	Woburn - Tewksbury	345kV
323	W Medway - Millbury	345kV
357	W Medway - Millbury	345kV
3361	ANP Blackstone - Sherman Rd	345kV
3520	W Medway - ANP Bellingham	345kV
344	W Medway - Bridgewater	345kV
356	Carver - Bridgewater	345kV
342	Pilgrim - Canal - Auburn St	345kV
335	Holbrook - Auburn St	345kV

Inter- LCC Tie ID	Inter- LCC Tie Element Description	Voltage
211-503/M139	Woburn - Tewksbury	115kV
211-504/N140	Woburn - Tewksbury	115kV
423-515/O167	Mystic - Everett	115kV
128-518/P168	Chelsea - Revere	115kV
513-507/D156	W Framingham - Northboro Rd	115kV
451-536	Holbrook - Auburn St	115kV
517-532	Edgar - N. Quincy	115kV
517-533	Edgar - N. Quincy	115kV
201-501/D130	Medway - Milford - Hopkinton- Millbury	115kV
D21	High Hill - Bell Rock	115kV
191	Kingston - Auburn St	115kV
194	Brook St – Auburn St	115kV

OP 6 APPENDIX D 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.)

Rev. No.	Date	Reason
Rev 1	07/22/98	
Rev 2	09/01/2002	
Rev 3	06/11/2004	
Rev 4	11/09/2004	
Rev 5	02/01/05	Updated to conform to RTO terminology
Rev 6	05/06/05	Update for initiation of VELCO Local Control Center
Rev 7	10/13/06	Changed designator to Appendix D due to termination of other Appendices
Rev 8	12/20/07	Updated for NSTAR Local Control Center status
Rev 9	03/09/10	Annual review by procedure owner; Reformatted by placing data in tables, changed font, and added a Table of Contents; Re-name title (replaced Local Control Center with LCC) Updated Table sub-titles and data
Rev 10	07/19/10	Update 381 and 379 terminals