

# NYISO Transmission Expansion and Interconnection Manual (TEI Manual)

## Summary of 2012 Update (Version 2.0) – 10/9/2012

Date of Current/Prior Version 1.0: September 1999

Anticipated Date of New Version 2.0: November 2012 (Draft under review/approval)

**Scope and Objectives of 2012 Update:** This update was mainly intended to just bring the TEI Manual up-to-date and consistent with subsequent relevant tariff changes and other documents, and to provide users and other interested parties a “road map” through the NYISO’s Transmission Expansion and Interconnection processes and procedures as they currently exist. It was not intended for this update to create substantively new processes or procedures to address issues that may be under consideration or discussion. Substantive revisions to address issues can be addressed in subsequent updates. Going forward, this manual will be reviewed and recertified at least every two years in accordance with NYISO policy.

### A. Comparison of Table of Contents (Main Sections and Attachments)

<u>Version 1.0</u>	<u>Draft Version 2.0</u>	<u>Comment(s)</u>
<b>Sections:</b>		
1.0 Overview of TEI Processes	1.0 Introduction	Overview outdated and not needed. Replaced with shorter Introduction.
2.0 Transmission Expansion	2.0 Transmission Expansion Process	Rewrite and update of topic.
3.0 Interconnection of Load or Generation to the Transmission System	3.0 Interconnection Process	Rewrite and update of topic.
4.0 Prioritization of Transmission and Interconnection Studies	N/A	Not needed. Covered in Section 3.10 of the OATT.
5.0 Assessment of the Overall Reliability of the NYS Transmission System	N/A	No longer needed. Superseded and addressed by subsequent documents.
6.0 Transmission Study Criteria, Procedures, and Methodology	4.0 Transmission Planning Criteria and Guidelines	Updated and retained as documentation of the criteria and guidelines applicable to both transmission and interconnection studies.
<b>Attachments:</b>		
A. NYISO Study Application Form	A. Discontinued	Old form superseded. Current forms and procedures addressed in manual.
B. General Form of Study Agreement	B. General Form of Study Agreement	Updated
C. Award of Benefits for a Transmission Expansion	C. Award of Incremental TCCs for a Transmission Expansion	Updated to link to applicable document on web site.
	D. Steps in the NYISO Large Facility Interconnection Process	New attachment. Currently posted on web site as standalone document.

*Draft for Discussion Only*

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<u>Version 1.0</u>	<u>Draft Version 2.0</u>	<u>Comment(s)</u>
	E. Steps in the NYISO Small Generator Interconnection Process	New attachment. Currently posted on web site as standalone document.
D. TP Guideline #1-0 (Guideline for SRISs)	F. TP Guideline #1-1 (Guideline for SRISs)	Same. Moved and revised with only ministerial changes.
E. TP Guideline #2-0 (Guideline for Voltage Analysis)	G. TP Guideline #2-1 (Guideline for Voltage Analysis)	Same. Moved and revised with only ministerial changes.
F. TP Guideline #3-0 (Guideline for Stability Analysis)	H. TP Guideline #3-1 (Guideline for Stability Analysis)	Same. Moved and revised with only ministerial changes.
	I. TP Guideline #4-1 (Guideline for Fault Current Assessment)	New attachment. Current approved version posted on web site. This revision was approved by SPAS, but not approved by OC.
	J. TP Guideline #5-0 (Guideline on High-Speed Autoreclosing)	New attachment. Approved by OC on 7/25/2002

B. List of Subsequent Tariff Changes and Other Documents Included in Updated TEI Manual

<u>Tariff Section/Document</u>	<u>Date Implemented</u>	<u>Where Does It Appear in Manual?</u>
1. OATT Sections 3.7 and 4.5 – Additional Study Procedures For Transmission Service Requests	Original Sections 19 and 32 of the OATT, as revised to date.	Section 2.0 – Transmission Expansion Process (various references throughout).
2. OATT Attachment X – Large Facility Interconnection Procedures	8/6/2004 and as revised to date.	Section 3.0 – Interconnection Process, various references throughout, primarily Section 3.3.
3. OATT Attachment S – Rules for Cost Allocation of New Interconnection Facilities	9/26/2001 and as revised to date.	Section 3.0 – Interconnection Process, various references throughout, primarily Sections 3.3 and 3.6.
4. OATT Attachment Z – Small Generator Interconnection Procedures	2/20/2007 and as revised to date.	Section 3.0 – Interconnection Process, various references throughout, primarily Section 3.4.
5. NYISO SRIS Criteria and Procedures (only portions not outdated by subsequent tariff changes were used)	Revision 1 approved by OC 5/23/2001.	Section 2.4.3 (SIS Procedures), Section 3.3.3.4 (SRIS), Section 3.5 (Load Interconnections), Section 3.6.1 (MIS Assumptions)
6. Criteria for Defining a New Interconnection	Approved by OC on 2/14/2001, as updated by draft Tech Bulletin 2/16/2012	Section 3.3.4 – Materiality Determinations
7. Criteria for Defining a Material Change in a Previously Proposed New Interconnection Project	Approved by OC on 2/14/2001, as updated by draft Tech Bulletin 2/16/2012	Section 3.3.4 – Materiality Determinations

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<u>Tariff Section/Document</u>	<u>Date Implemented</u>	<u>Where Does It Appear in Manual?</u>
8. Cost allocation Procedures (per Class 2001 Settlement)	Approved by OC on 5/26/2005	Section 3.6.2
9. Tech Bulletin 148 – Test Procedure for Evaluating Power Factor Requirements for Wind Generation Projects	5/15/2006	Section 3.6.3
10. Tech Bulletin 197 – Modeling Astoria Dual Yard Units	5/5/2010	Section 3.6.4
11. TEI Manual Attachment C – Award of Incremental TCCs for Transmission Expansions	2/10/2009	Attachment C, link provided to document posted on web site
12. Presentation on Evaluation of Transfers of Deliverability Rights	Presented at IITF on 3/12/2010	Section 3.6.5.2
13. NYISO Guideline on Fault Current Assessment	Original approved on 1/30/2003, revision approved by SPAS on 10/15/2009	Attachment I
14. NYISO Guideline on Application of High-Speed Autoreclosing	Approved by OC on 7/25/2002	Attachment J