

**5.1.1 MAPP/MAIN Documentation Waiting for Retirement**

As of December 31, 2007

MAPP/MAIN Document	NERC Standard	Topic	Additional Requirements	Augmentation	Procedure or other Document Required	What will happen if the document is retired?	
<a href="#">MAPP Operating Policy #2 Section A (See Appendix 21 – MAPP Operating Policies Waiting for Retirement)</a>	<a href="#">TOP-001-1</a> <a href="#">TOP-002-2</a> <a href="#">TOP-003-0</a> <a href="#">TOP-004-1</a>	Transmission Operations	Operations Studies	<a href="#">TPL-504-MRO-01</a> (MTPL-007-0)	Reporting SOL and IROL Violations	Nothing. MRO Standard and NERC Version 0 Standards cover all necessary requirements.	
	<a href="#">TOP-004-1</a>		Multiple Outages	<a href="#">TPL-504-MRO-01</a> (MTPL-007-0)		Nothing. MRO Standard and NERC Version 0 Standards cover all necessary requirements.	
	<a href="#">TOP-007-0</a> <a href="#">VAR-001-1</a>		MAPP System Performance	<a href="#">TPL-503-MRO-01</a> (MTPL-001-0)		Damping Factor criteria would be eliminated	
			Permissible Readjustments			Readjustment Time frames and requirements would be eliminated	
			Steady State Voltages			Readjustment periods and specifications will be lost	
			Interconnection Capacity			"the normal capacity of a facility shall be the lowest capacity shown in the most recent version of the MAPP Transmission Capacity Data Listing"	
<a href="#">MAPP Operating Policy #4 Section D (See Appendix 21 – MAPP Operating Policies Waiting for Retirement)</a>	<a href="#">PRC-001-1</a>	System Protection Coordination	Independent Devices	<a href="#">PRC-502-MRO-01</a> (MPRC-018-0)	Policy 4 Appendix 4D Subsection B	MRO Standard covers all requirements necessary in this procedure.	
			Interconnected Switching			Procedure not covered by NERC Version 0 Standards	
			Relay Operation			Procedure not covered by NERC Version 0 Standards	
			Relay Maintenance			Procedure not covered by NERC Version 0 Standards	
			Relay Application			Procedure not covered by NERC Version 0 Standards	
			Special Protection Systems			Regional Review Plan (SPS)	MAPP Specific Requirements for Special Protection Systems would be lost.
			Special Protection Systems Operation Review			Regional Review Plan (SPS)	MAPP Specific Requirements for Special Protection Systems would be lost.

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<a href="#">MAPP Planning: Section I.A (See Appendix 22 – MAPP Planning Standards Waiting for Retirement)</a>	<a href="#">TPL-001-0</a>	<b>MAPP-S1</b>	Comply with MAPP Disturbance Performance Table		Table I. Transmission Systems Standards – Normal and Contingency Conditions  MAPP Disturbance Performance Table	Nothing. NERC Version 0 Standard covers all requirements.
	<a href="#">TOP-004-1</a>	<b>MAPP-S2</b>	Transmission System shall be built to meet customer demands at all levels		Table I. Transmission Systems Standards – Normal and Contingency Conditions	Nothing. NERC Version 0 Standard covers all requirements.
		<b>MAPP-S3</b>	Planned, designed and constructed to avoid creating a subsynchronous resonance condition	<a href="#">TPL-504-MRO-01 (MTPL-007-0)</a>	None	Nothing. MRO Standard MTPL-007-0 covers all requirements.
<a href="#">MAPP Planning: Section I.D (See Appendix 22 – MAPP Planning Standards Waiting for Retirement)</a>	<a href="#">VAR-001-1</a>	<b>MAPP-S1</b>	Provide sufficient reactive capacity and voltage control facilities at all demand levels so that there is sufficient margin between normal operating point and the collapse point to allow for reliable system operation.	<a href="#">TPL-503-MRO-01 (MTPL-001-0)</a>	categories A, B, and C of Table I, Transmission Systems Standards – Normal and Contingency Conditions  MAPP Disturbance-Performance Table  Voltage and Reactive Control	Specific Calculation Formulas could be lost.  Comment: reference procedure in studies manual
<a href="#">MAPP Planning: Section III.A (See Appendix 22 – MAPP Planning Standards Waiting for Retirement)</a>	<a href="#">TPL-001-0</a> <a href="#">TPL-002-0</a> <a href="#">TPL-003-0</a> <a href="#">TPL-004-0</a> <a href="#">PRC-005-1</a>	<b>MAPP-S1</b>	Relay applications and settings shall comply with the MAPP Disturbance-Performance Table of Standard I. A	<a href="#">TPL-503-MRO-01 (MTPL-001-0)</a>	Table I. Transmission Systems Standards – Normal and Contingency Conditions  MAPP Disturbance Performance Table  Transmission Protection System Maintenance and Testing	Nothing. Tables covered by NERC Version 0 standards.  Procedure needs to be written.

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<a href="#">MAPP Planning: Section III.B</a> (See <a href="#">Appendix 22 – MAPP Planning Standards</a> <a href="#">Waiting for Retirement</a> )	<a href="#">TPL-001-0</a> <a href="#">TPL-002-0</a> <a href="#">TPL-003-0</a> <a href="#">TPL-004-0</a>	<b>MAPP-S1</b>	Transmission control devices shall be planned and designed to meet the system performance requirements	<a href="#">TPL-503-MRO-01</a> (MTPL-001-0)	Define and Document Disturbance Monitoring Equipment Procedure  Table I. Transmission Systems Standards – Normal and Contingency Conditions  MAPP Disturbance Performance Table	Nothing. Tables covered by NERC Version 0 standards.  Procedure needs to be written.
<a href="#">MAPP Planning: Section III.C</a> (See <a href="#">Appendix 22 – MAPP Planning Standards</a> <a href="#">Waiting for Retirement</a> )		<b>MAPP-S1</b>	Power System Stabilizers or equivalent devices shall be applied to all units larger than 70 MVA where applicable.	<a href="#">PRC-502-MRO-01</a> (MPRC-018-0)	None	MRO Standard MPRC-018-0 covers all requirements necessary in this procedure.
		<b>MAPP-S2</b>	Power System Stabilizers or equivalent devices shall be designed and tuned without deteriorating turbine/generator shaft torsional oscillation damping.	<a href="#">PRC-502-MRO-01</a> (MPRC-018-0)	Categories A, B, and C of Table I.A. Standards on Transmission Systems  MAPP Disturbance-Performance Table.	MRO Standard MPRC-018-0 covers all requirements necessary in this procedure.
<a href="#">MAPP Planning: Section III.F</a> (See <a href="#">Appendix 22 – MAPP Planning Standards</a> <a href="#">Waiting for Retirement</a> )	<a href="#">PRC-012-0</a> <a href="#">PRC-013-0</a> <a href="#">PRC-014-0</a> <a href="#">PRC-015-0</a> <a href="#">PRC-016-0</a> <a href="#">PRC-017-0</a> <a href="#">TPL-001-0</a> <a href="#">TPL-002-0</a> <a href="#">TPL-003-0</a> <a href="#">TPL-004-0</a>	<b>MAPP-S1</b>	Special protection systems shall be planned and designed such that they comply with the MAPP Disturbance-Performance Table of Standard I. A.	<a href="#">PRC-502-MRO-01</a> (MPRC-018-0)	Special Protection System Review Procedure  Table I. Transmission Systems Standards – Normal and Contingency Conditions	Nothing. Tables covered by NERC Version 0 standards.

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<a href="#">MAIN Guide 2</a> (See <a href="#">Appendix 23 – MAIN Guide’s Waiting for Retirement</a> )	<a href="#">TPL-001-0</a> <a href="#">TPL-002-0</a> <a href="#">TPL-003-0</a> <a href="#">TPL-004-0</a>	Transmission Planning Principles and Guides and the Simulation Testing of the MAIN Bulk Power Transmission System to Assess Adequacy and Reliability		<a href="#">TPL-503-MRO-01</a> (MTPL-001-0)	Development of System Models	Nothing. NERC Version 0 Standards and MRO Standard MTPL-001-0 cover all requirements.
<a href="#">MAIN Guide 6</a> (See <a href="#">Appendix 23 – MAIN Guide’s Waiting for Retirement</a> )	<a href="#">TPL-002-0</a> <a href="#">TPL-006-0</a>	Procedure for Determination of Generation Reserve Requirements		<a href="#">RES-501-MRO-01</a> (MRES-001-0)	Assessment Data from Regional Reliability Organizations	Nothing. NERC Version 0 Standards and MRO Standard MRES-001-0 cover all requirements  Comment: Can be retired and implemented once MRES-001 is approved.