

Comparison of Old 2004 Program to New 2004 Program

<u>Old 2004 CEP</u>	<u>CTTF</u>	<u>New 2004 CEP</u>	<u>Brief Description</u>	<u>Submittal Timeframe</u>	<u>Entity Responsible</u>	<u>Summary of CTTF Changes and Implementation Notes</u>
I.A.M1	I.A.M1	I.A.M1	System performance under normal (no contingency) conditions.	Annually	ERRIS	Paragraph form of measurement requirements changed to numbered list for clarity, all I.A. measurements in same format
I.A.M2	I.A.M2	I.A.M2	System performance following loss of a single bulk system element.	Annually	ERRIS	Paragraph form of measurement requirements changed to numbered list for clarity, all I.A. measurements in same format
I.A.M3	I.A.M3	I.A.M3	System performance following loss of two or more bulk system elements.	Annually	ERRIS	Paragraph form of measurement requirements changed to numbered list for clarity, all I.A. measurements in same format
I.A.M4	I.A.M4	I.A.M4	System performance following extreme events resulting in the loss of two or more bulk system elements.	Annually	ERRIS	Paragraph form of measurement requirements changed to numbered list for clarity, all I.A. measurements in same format
I.B.M1	I.B.M1	I.B.M1	Regional and interregional self-assessment reliability reports.	Seasonally (winter and summer) & annually, RAS Will set schedule	Regions	Paragraph form of measurement requirements changed to numbered and bulleted list for clarity, added direction on how longer-term studies should be performed
I.B.M2			Data from the Regions needed to assess reliability.	Seasonally (winter and summer) & annually, RAS Will set schedule	Regions	No change
	I.F.M1		Define and document disturbance monitoring equipment requirements.	On request by NERC (30 days), IDWG will set schedule	Regions	Changed several "for examples" to Requirements for reporting. Initial Implementation - Documentation compliance review NLT December 31, 2004 Full Implementation - "Implementation of documentation" compliance review starts 6 months later (June 1, 2005)
I.F.M2			Disturbance monitoring equipment list.	On request (30 business days)	Disturbance monitor owners	No change
I.F.M3			Disturbance monitoring data reporting requirements.	On request (five business days).	Regions	No change
II.A.M5	II.A.M5	II.A.M5	Development of steady-state system models.	Annually (4 Due Dates)	MMWG, ERCOT, WECC	Reflects how MMWG currently implements its annual compliance assessment plan, otherwise unchanged
II.A.M6	II.A.M6	II.A.M6	Development of dynamics system models.	Annually (2 Due Dates)	MMWG, ERCOT, WECC	Reflects how MMWG currently implements its annual compliance assessment plan otherwise unchanged
	II.C.M1	II.C.M1	Methodology (ies) for determining electrical facility ratings.	On request by NERC (30 days), IDWG will set schedule	Facility owners	Paragraph form of measurement requirements changed to numbered list for clarity, added additional equipment that falls under this requirement, made Levels of Non-Compliance stricter Documentation compliance review NLT December 31, 2004

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	III.A.M4	III.A.M4	Transmission Protection system maintenance and testing	On request by NERC (30 days)	Transmission Protection system owner	Now includes PT/CT, comm. and batteries, reorganized Levels of Non-Compliance Initial Implementation - Documentation compliance review NLT December 31, 2004 Full Implementation - "Implementation of documentation" compliance review starts 6 months later (June 1, 2005)
III.A.M5		III.A.M5	Analysis and reporting of transmission protection misoperations.	On request (within 30 days).	Transmission protection system owners.	No change
III.D.M1	III.D.M1	III.D.M1	Development and documentation of Regional underfrequency load shedding (UFLS) programs coordinated within and among Regions.	On request by NERC (30 days), IDWG will set schedule	Region	Includes requirement for database and assessments, paragraph form of measurement requirements changed to bulleted list for clarity, removed maintenance requirement because it is handled in III.D.M3, made Levels of Non-Compliance stricter
III.D.M2	III.D.M2	III.D.M2	Assuring consistency of entity UFLS programs with Regional UFLS requirements.	On request (within 30 days).	UFLS owners and operators.	Application of percentages in levels of non-compliance
	III.D.M3	III.D.M3	Implementation and documentation of UFLS equipment maintenance program.	On request (within 30 days).	UFLS owners and operators.	No change
III.D.M4		III.D.M4	Analysis and documentation of UFLS program performance.	On request 90 days after the system event.	UFLS owners and operators.	No change
III.E.M1			Undervoltage load shedding program documentation.	On request (five business days).	UVLS owners and operators.	No change
III.E.M2			Undervoltage load shedding program database.	Database to be updated annually. Current database on request (30 business days).	Regions	No change
III.E.M3	III.E.M3	III.E.M3	Technical assessment of the design and effectiveness of UVLS programs.	Technical assessments every five years or as required by system changes. Current technical assessment on request (30 days)	UVLS owners and operators.	Some additional items added so analysis can be properly performed, paragraph form of measurement requirements changed to bulleted list for clarity, added details about the assessment requirements, made Levels of Non-Compliance stricter

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III.E.M4	III.E.M4	III.E.M4	Under voltage load shedding system maintenance and testing.	On request (within 30 days).	UVLS Owner	Now includes PT/CT, comm. and batteries, reorganized Levels of Non-Compliance Initial Implementation - Documentation compliance review NLT December 31, 2004 Full Implementation - "Implementation of documentation" compliance review starts 6 months later (June 1, 2005)
III.E.M5		III.E.M5	Analysis and documentation of UVLS program performance.	On request (30 business days).	UVLS owners and operators.	No change
III.F.M5		III.F.M5	Notification and analysis of SPS misoperations and corrective action plans.	On request (within 90 days of the incident or on request (within 30 days) if requested more than 90 days	SPS owners	No change
	III.F.M6	III.F.M6	Special Protection System maintenance and testing	On request (within 30 days).	SPS owners	Now includes PT/CT, comm. and batteries, reorganized Levels of Non-Compliance Initial Implementation - Documentation compliance review NLT December 31, 2004 Full Implementation - "Implementation of documentation" compliance review starts 6 months later (June 1, 2005)
	IV.A.M1	IV.A.M1	Establish, maintain, and document a Regional blackstart capability plan.	On request by NERC and other Regions (30 days), IDWG will set schedule	Region	Several changes to clarify the need and specificity of the database, add the concept of availability of blackstart units and modified the testing requirements, added a new Level of Non-Compliance, removed diagram requirements, annual testing now third per year
IV.A.M4	IV.A.M4	IV.A.M4	Documentation of blackstart generating unit test results.	Current test results: to the Region and upon request to NERC (30 days).	Owners or operators of blackstart generating units	Testing Requirement timeframe now referred back to Regional Program, dealt with units failing a test

	Retained by CCMC
	Added to 2004 by BOT as recommended by CTTF
	Removed from 2004 CEP