



# PJM TO/TOP Matrix V9 Approval

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NERC and Regional Coordination Department  
Chair, TO/TOP Matrix Subcommittee  
TOA-AC – September 15, 2015

1. Background
2. Changes to PJM TO/TOP Matrix V8
  - i. Administrative
  - ii. Addition of new NERC Reliability Standards
  - iii. Changes to existing NERC Reliability Standards
3. Enforcement/Inactive Dates Refresher
4. Approval Request

- Index between the PJM Manuals and the NERC Reliability Standards applicable to PJM as the TOP
- Identifies the assigned/shared tasks between PJM and the Member TO for NERC Reliability Standards applicable to PJM as the TOP
- Does not create any new obligations for PJM or its Member TOs
- Used as an audit tool by PJM for TO/TOP Matrix Audits
- Reviewed and maintained by the PJM TO/TOP Matrix Subcommittee – a committee with membership limited to PJM Member TOs and reporting to TOA-AC
- Version 8 currently effective as of December 5, 2014

1. Administrative
  - i. Content Organization
  - ii. General maintenance of the Matrix
  - iii. Removal of certain NERC Reliability Standards
2. Addition of new NERC Reliability Standards
3. Changes to existing NERC Reliability Standards in the Matrix
  - i. Addition/deletion of requirements to existing Reliability Standards as appropriate
  - ii. Edits to Assigned/Shared Tasks
  - iii. Update to new version of Reliability Standard as appropriate

## **Cover, Governance, and References Tabs**

1. Moved the contents of the “Governance” tab to the “Cover” page of the Matrix and deleted “Governance” tab
2. Added language to “Cover” tab stating that the Matrix does not create any new obligations for PJM or its members based on recommendation from TOA-AC
3. Moved PJM Manuals and other document references to a new tab labelled “References”

1. “References” tab updated with most recent versions of PJM Manuals and other reference documents
2. Section references for various reference documents updated as appropriate
3. Minor spelling and grammatical improvements



## Administrative Changes – NERC Reliability Standards Removed

1. Following NERC Reliability Standards are removed from the Matrix since they are three years past their enforceable dates

<b>Standard</b>	<b>Inactive Date</b>	<b>Standard</b>	<b>Inactive Date</b>
BAL-005-0.1b	9/13/2012	TOP-001-1	11/20/2011
CIP-001-1	10/1/2011	TOP-002-2a	10/19/2011
EOP-001-0	12/14/2011	TOP-002-2b	9/12/2012
EOP-001-0b	9/12/2012	TOP-003-0	9/30/2011
IRO-004-1	9/30/2011	TOP-005-1	5/12/2009
IRO-005-2	5/25/2011	TOP-005-5.1	5/25/2011
IRO-005-2a	9/30/2011	TOP-005-1.1a	9/30/2011
IRO-005-3a	9/12/2012	TOP-006-1	9/30/2011
PER-001-0.1	9/12/2012	VAR-001-1	9/30/2011
PER-003-0	12/31/2011		

1. Added the following new NERC Reliability Standards to the Matrix
  - i. COM-001-2 Enforceable 10/1/2015, Requirements R3, R4, R9, and R10 were added to the Matrix
  - ii. COM-002-4 Enforceable 7/1/2016, Requirements R2, R4, and R6 were added to the Matrix
  - iii. PER-005-2 Enforceable 7/1/2016, Requirements R1, R3, and R4 were added to the Matrix



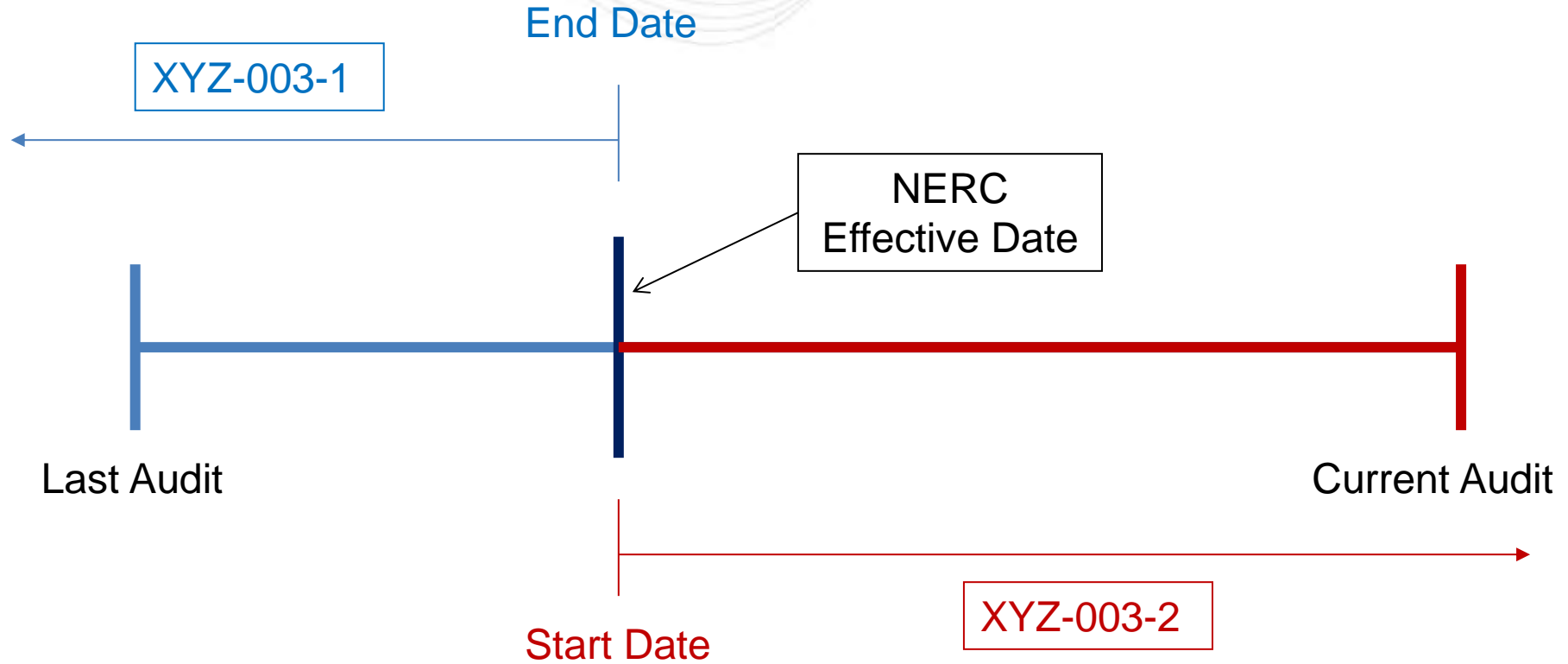
1. EOP-003-2 (enforceable 10/1/2013) Requirements R2, R4, and R7 were added to the Matrix – these apply to Member TOs with BES UVLS installations
2. PRC-001-1.1(ii) – a new version of PRC-001-1.1 became enforceable 5/29/2015. Standard did not require changes to Assigned/Shared Tasks
3. PRC-022-1 (enforceable 6/18/2007) Requirement R1 and sub-requirements were added to the Matrix – applies to Member TOs with BES UVLS installations
4. TOP-006-2 – added an Audit Question to be consistent with an Assigned Task

- Why are NERC Reliability Standards that are currently inactive still in the Matrix?

	J	K	L	M
Reference Documents	Audited by RFC	Start Date	End Date	
OA 10.4, OA 11.3.1	No	4/1/2005	4/1/2013	
M-40 Certification and Training Requirements (Rev. 10); Section 1-Certification Requirements; Section 2-LCC Compliance Monitoring				
M-1 Control Center and Data Exchange Requirements (Rev. 21), Section 2.6-Control Center Staffing; Attachment B-Schedule of Data Submittals				
M-3 Transmission Operations (Rev. 40), Section 1.2-Responsibilities for Transmission Owner's Operating Entity				
OA 10.4, OA 11.3.1	No	4/1/2005	4/1/2013	
M-40 Certification and Training Requirements (Rev. 10); Section 1-				

	J	K	L	M
Reference Documents	Audited by RFC	Start Date	End Date	
PJM OA, Schedule 1, 1.7.11 (b).	Yes	EOP-003-1 1/1/2007	EOP-003-1 10/1/2013	
M-13 Emergency Operations (Rev. 50), Section 1.1-Policy Statements; Section 2-Capacity Emergencies; Attachment E: Manual Load Dump Allocation Tables; Attachment F: PJM Manual Load Dump Capability		EOP-003-2 10/1/2013	EOP-003-2 None	
TOA Article 4.7				
M-3 Transmission Operations (Rev. 40) Section 5-Index and Operating Procedures for PJM RTO Operation				
PJM OA, Schedule 1, 1.7.11 (b).	Yes	EOP-003-1 1/1/2007	EOP-003-1 10/1/2013	
M-13 Emergency Operations (Rev. 50), Section 1.1-Policy Statements; Section 2-Capacity Emergencies; Attachment E: Manual Load Dump Allocation Tables; Attachment F: PJM Manual Load Dump Capability		EOP-003-2 10/1/2013	EOP-003-2 None	
TOA Article 4.7				

# NERC Standards Enforcement/Inactive Dates Refresher



## From the Cover Tab of the Matrix

- Compliance to Assigned or Shared Member TO Tasks is expected starting on the Enforcement Date (the NERC-assigned effective date after FERC approval) as listed in the Matrix for each Requirement. Compliance ends on the Inactive Date (the date that the Standard is retired or is replaced by another Standard). Corresponding to the Enforcement and Inactive Dates for each Requirement in the current version of the Matrix, evidence of compliance is expected to be available back to the Member TO's last PJM TO/TOP Audit.

- Request TOA-AC to approve V9 of the TO/TOP Matrix
- Make V9 of TO/TOP Matrix effective 10/1/2015