



**Stakeholder Comparison Comment Rationale Matrix**

**2010-07-15**

**AESO AUTHORITATIVE DOCUMENT PROCESS**

**Alberta Reliability Standard – PRC-018-AB-1 Disturbance Monitoring Equipment Installation and Data Reporting**

*NOTE: The AESO is asking market participants to give an initial indication of their support for, or opposition to, the specific Alberta Reliability Standard variances to the NERC requirements referenced below. Such an initial indication assists in the AESO's practical understanding of the receptivity of the industry to the proposed changes, and in that regard the AESO thanks, in advance, all market participants who choose to respond. With regard to the specific standard changes and their implications, such responses are without prejudice to the rights of market participants under the Act, any regulations, or related decisions of the Commission.*

Date of Request for Comment [yyyy/mm/dd]: <u>2010/07/15</u>	Contact: <u>Jerry Mossing</u>
Period of Consultation [yyyy/mm/dd]: <u>2010/07/15</u> through <u>2010/08/15</u>	Phone: <u>403-539-2496</u>
Comments From: <u>Suncor Energy</u>	E-mail: <u><a href="mailto:ars_comments@aesoc.ca">ars_comments@aesoc.ca</a></u>
Date [yyyy/mm/dd]: <u>2010/08/16</u>	

*Listed below is the summary of changes for the proposed new, removed or amended sections of the standard. Please refer back to the Letter of Notice under the "Attachments to Letter of Notice" section to view the proposed content changes to the standard. Please double-click on the check box for either "Support" or "Oppose" and/or place your comments, reasons for position, and alternate proposals underneath (if any).*

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

NERC PRC-018-1	Alberta PRC-018-AB-1	AESO Reason for Difference	Stakeholder Comments	AESO Replies
<p><b>Purpose</b> Ensure that Disturbance Monitoring Equipment (DME) is installed and that Disturbance data is reported in accordance with regional requirements to facilitate analyses of events.</p>	<p><b>Purpose</b> The purpose of this reliability standard is to ensure that disturbance monitoring equipment is installed and that disturbance data is reported in accordance with regional requirements to facilitate analyses of events.</p>	<p>Clarified the purpose to align with the content of the reliability standard.</p>		
<p><b>Applicability</b> 4.1. Transmission Owner. 4.2. Generator Owner.</p>	<p><b>Applicability</b> This reliability standard applies to:</p> <ul style="list-style-type: none"> <li>• TFOs that own disturbance monitoring equipment as identified in the list as required in requirement R1, as published by the AESO on the AESO website, and as may be amended from time to time by the AESO on notice to market participants.</li> <li>• GFOs that own disturbance monitoring equipment as identified in the list as required in requirement R1, as published by the AESO on the AESO website, and as may be amended from time to time by the AESO on notice to market participants.</li> <li>• ISO</li> </ul>	<p><input type="checkbox"/> New <input checked="" type="checkbox"/> Amended <input type="checkbox"/> Deleted</p> <p>Amended to identify the responsible entities in Alberta.</p>	<p><input type="checkbox"/> Support <input type="checkbox"/> Support with language suggestions <input checked="" type="checkbox"/> Oppose</p> <p><i>Suncor is recommending that as new assets and registered entities (additions to the AESO list) are identified as applicable to this Standard, that the Standard be revised to include the current and updated list. This includes gaining input on the additions from market participants on the ARS Working Groups and Committee. This will ensure that binding obligations are clearly identified within the Standard, which is subject to non-compliance penalties.</i></p>	

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

<b>NERC PRC-018-1</b>	<b>Alberta PRC-018-AB-1</b>	<b>AESO Reason for Difference</b>	<b>Stakeholder Comments</b>	<b>AESO Replies</b>
			<p><i>Suncor is also recommending that a new entity classification be added to the reliability standards – a market participant / registered entity who owns a transmission asset (TAOs). Classifying all transmission owners as TFOs forces these entities to seek and administratively handle exemptions for standards that are otherwise not applicable, as is the case with this Standard.</i></p>	

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

NERC PRC-018-1	Alberta PRC-018-AB-1	AESO Reason for Difference	Stakeholder Comments	AESO Replies
<p><b>Effective Date</b> Phased in over four years after BOT adoption: Requirements 1 and 2:</p> <ul style="list-style-type: none"> <li>- 50% compliant two years after initial issuance of regional requirements per RELIABILITY STANDARD PRC-002 Requirement 5.</li> <li>- 75% compliant three years after initial issuance of regional requirements per reliability standard PRC-002 R5.</li> <li>- 100% compliant four years after initial issuance of regional requirements per reliability standard PRC-002 R5.</li> </ul> <p>Requirements 3 through 6:</p> <ul style="list-style-type: none"> <li>- 100% compliant six months after BOT adoption for already installed DME.</li> <li>- 100% compliant six months after installation for DMEs installed to meet Regional Reliability Organization requirements per reliability standard PRC-002 Requirements 1, 2 and 3.</li> </ul>	<p><b>Effective Date</b> Ninety (90) days after the date of approval by the Commission.</p>	<p>A ninety day implementation timeline was selected as this reliability standard currently applies to installed disturbance monitoring equipment. Any new installations will be performed in accordance with direction provided by the ISO.</p>	<p><input type="checkbox"/> Support <input type="checkbox"/> Support with language suggestions <input checked="" type="checkbox"/> Oppose</p> <p><i>While this Standard is not applicable to Suncor, we are recommending the following:</i></p> <p>1) <i>That additional time be granted (beyond the 90 days) to newly identified registered entities in which the standard does not currently apply, to meet compliance requirements. The recommendation is to allow a 2 year time period for newly identified entities (above those stated) to do the following:</i></p> <ul style="list-style-type: none"> <li>o <i>Conduct engineering assessments;</i></li> <li>o <i>Schedule outage periods;</i></li> <li>o <i>Complete risk assessments; and,</i></li> <li>o <i>Coordinate equipment additions with</i></li> </ul>	

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

NERC PRC-018-1	Alberta PRC-018-AB-1	AESO Reason for Difference	Stakeholder Comments	AESO Replies
			<i>regional entities.</i>	
<p><b>R1.</b> Each Transmission Owner and Generator Owner required to install DMEs by its Regional Reliability Organization (reliability standard PRC-002 Requirements 1-3) shall have DMEs installed that meet the following requirements:</p> <p><b>R1.1.</b> Internal Clocks in DME devices shall be synchronized to within 2 milliseconds or less of Universal Coordinated Time scale (UTC)</p> <p><b>R1.2.</b> Recorded data from each Disturbance shall be retrievable for ten calendar days.</p>	<p><b>R1</b> The ISO must maintain and publish a list of all disturbance monitoring equipment that this reliability standard applies to, which includes all disturbance monitoring equipment the WECC requires to be installed in Alberta.</p> <p><b>R2</b> Each TFO and GFO that is directed to install disturbance monitoring equipment by the ISO must install disturbance monitoring equipment that meet the following requirements:</p> <p><b>R2.1</b> Internal clocks in disturbance monitoring equipment devices must be synchronized to within two milliseconds or less of the Coordinated Universal Time (UTC) scale.</p> <p><b>R2.2</b> Recorded disturbance data must be retrievable for at least ten (10) days.</p>	<p><input type="checkbox"/> New <input checked="" type="checkbox"/> Amended <input type="checkbox"/> Deleted</p> <p>Amended to identify requirements of the responsible entities in Alberta and for clarity and consistency.</p> <p>Removed reference to PRC-002 as included in the NERC requirement as these requirements apply to the WECC. The ISO will review new requirements as they are developed by WECC.</p>	<p><input type="checkbox"/> Support <input checked="" type="checkbox"/> Support with language suggestions <input type="checkbox"/> Oppose</p> <p><i>Support the maintenance of a list and periodic revision of the Standard to show the most current list.</i></p>	
<p><b>R2.</b> The Transmission Owner and Generator Owner shall each install DMEs in accordance with its Regional</p>	<p><b>R3</b> Each TFO and GFO must install disturbance monitoring equipment as directed by the</p>	<p><input type="checkbox"/> New <input checked="" type="checkbox"/> Amended <input type="checkbox"/> Deleted</p>	<p><input type="checkbox"/> Support <input type="checkbox"/> Support with language suggestions</p>	

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

<b>NERC PRC-018-1</b>	<b>Alberta PRC-018-AB-1</b>	<b>AESO Reason for Difference</b>	<b>Stakeholder Comments</b>	<b>AESO Replies</b>
<p>Reliability Organization's installation requirements (reliability standard PRC-002 Requirements 1 through 3).</p>	<p>ISO.</p>	<p>Amended to identify the responsible entities in Alberta and for clarity and consistency.</p> <p>The ISO will review and implement, as appropriate, relevant requirements and standards that are developed by the WECC.</p>	<p><input type="checkbox"/> Oppose</p> <p><i>As Suncor is not a TFO, if this equipment was required to be installed in the future on Suncor's assets to increase the reliability of the BES, how will costs be recovered by Suncor and allocated to system?</i></p> <p><i>Suncor is also recommending that the AESO list should be referenced in this standard to allow entities to gain an exemption.</i></p>	
<p><b>R3.</b> The Transmission Owner and Generator Owner shall each maintain, and report to its Regional Reliability Organization on request, the following data on the DMEs installed to meet that region's installation requirements (reliability standard PRC-002 Requirements 1.1, 2.1 and 3.1):</p> <p><b>R3.1.</b> Type of DME (sequence of event recorder, fault recorder, or dynamic disturbance recorder).</p> <p><b>R3.2.</b> Make and model of equipment.</p>	<p><b>R4</b> Each TFO and GFO must maintain and report, within 30 days of the ISO's request, the following data on the disturbance monitoring equipment:</p> <p><b>R4.1</b> Type of disturbance monitoring equipment, sequence of event recorder, fault recorder or dynamic disturbance recorder.</p> <p><b>R4.2</b> Make and model of disturbance monitoring equipment.</p>	<p><input type="checkbox"/> New <input checked="" type="checkbox"/> Amended <input type="checkbox"/> Deleted</p> <p>Amended to identify the responsible entities in Alberta and for clarity and consistency.</p> <p>Split the requirement for TFOs and GFOs to report to the ISO and for the ISO to report to the WECC (refer to R5 in the Alberta reliability standard below).</p> <p><b>Alberta Variance:</b> Added a time period by which data on disturbance monitoring equipment is to be submitted to the ISO. This</p>	<p><input type="checkbox"/> Support <input type="checkbox"/> Support with language suggestions <input type="checkbox"/> Oppose</p> <p><i>Insert comments, reason for position, and alternate proposal (if any).</i></p>	

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

<b>NERC PRC-018-1</b>	<b>Alberta PRC-018-AB-1</b>	<b>AESO Reason for Difference</b>	<b>Stakeholder Comments</b>	<b>AESO Replies</b>
<p><b>R3.3.</b> Installation location.</p> <p><b>R3.4.</b> Operational status.</p> <p><b>R3.5.</b> Date last tested.</p> <p><b>R3.6.</b> Monitored elements, such as transmission circuit, bus section, etc.</p> <p><b>R3.7.</b> Monitored devices, such as circuit breaker, disconnect status, alarms, etc.</p> <p><b>R3.8.</b> Monitored electrical quantities, such as voltage, current, etc.</p>	<p><b>R4.3</b> Installation location.</p> <p><b>R4.4</b> Operational status.</p> <p><b>R4.5</b> Date last tested.</p> <p><b>R4.6</b> Monitored elements which may include, without limitation, transmission circuit and bus section.</p> <p><b>R4.7</b> Monitored devices which may include, without limitation, circuit breaker, disconnect status and alarms.</p> <p><b>R4.8</b> Monitored electrical quantities which may include, without limitation, voltage and current.</p>	<p>was included to add clarity and to make the requirement measurable.</p>		
<p>Refer to NERC requirement R3.</p>	<p><b>R5</b> The ISO must provide the data received from the TFOs and GFOs in requirement R4 to the WECC within 45 days of the WECC's request.</p>	<p><input checked="" type="checkbox"/> New  <input type="checkbox"/> Amended  <input type="checkbox"/> Deleted</p> <p><b>Alberta Variance:</b> Added a time period by which data on disturbance monitoring equipment is to be submitted to the WECC. This was included to add clarity and to make the requirement measurable.</p>	<p><input checked="" type="checkbox"/> Support  <input type="checkbox"/> Support with language suggestions  <input type="checkbox"/> Oppose</p>	

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

NERC PRC-018-1	Alberta PRC-018-AB-1	AESO Reason for Difference	Stakeholder Comments	AESO Replies
<p><b>R4.</b> The Transmission Owner and Generator Owner shall each provide Disturbance data (recorded by DMEs) in accordance with its Regional Reliability Organization's requirements (reliability standard PRC-002 Requirement 4).</p>	<p><b>R6</b> Each TFO and GFO must provide all disturbance data recorded by disturbance monitoring equipment to the ISO within 30 days of a request.</p> <p><b>R7</b> The ISO must provide disturbance data recorded by a GFO's or TFO's disturbance monitoring equipment to the WECC within 60 days of WECC's request.</p>	<p><input type="checkbox"/> New <input checked="" type="checkbox"/> Amended <input type="checkbox"/> Deleted</p> <p>Split the requirement for TFO and GFO to provide disturbance data to the ISO and for the ISO to provide disturbance data to the WECC.</p> <p><b>Alberta Variance:</b> Added a time period by which disturbance data recorded by disturbance monitoring equipment is to be submitted to the ISO and to the WECC. This was included to add clarity and to make the requirement measurable.</p>	<p><input type="checkbox"/> Support <input checked="" type="checkbox"/> Support with language suggestions <input type="checkbox"/> Oppose</p> <p><i>If the AESO is requesting the disturbance data within 10 days of the incident, should the recorder only have 10 days of storage as per R2.2? Please clarify requirement.</i></p>	
<p><b>R5.</b> The Transmission Owner and Generator Owner shall each archive all data recorded by DMEs for Regional Reliability Organization-identified events for at least three years.</p>	<p><b>R8</b> The ISO must archive all data recorded by disturbance monitoring equipment for all WECC or ISO identified events for at least three years.</p>	<p><input type="checkbox"/> New <input checked="" type="checkbox"/> Amended <input type="checkbox"/> Deleted</p> <p>Amended for clarity and consistency.</p>	<p><input checked="" type="checkbox"/> Support <input type="checkbox"/> Support with language suggestions <input type="checkbox"/> Oppose</p>	
<p><b>R6.</b> Each Transmission Owner and Generator Owner that is required by its Regional Reliability Organization to have DMEs shall have a maintenance and testing program for those DMEs that includes:</p> <p><b>R6.1.</b> Maintenance and testing intervals</p>	<p><b>R9</b> Each TFO and GFO that is directed by the ISO to have disturbance monitoring equipment must implement a maintenance and testing program for disturbance monitoring equipment that includes:</p>	<p><input type="checkbox"/> New <input checked="" type="checkbox"/> Amended <input type="checkbox"/> Deleted</p> <p>Amended for clarity and consistency.</p>	<p><input type="checkbox"/> Support <input type="checkbox"/> Support with language suggestions <input checked="" type="checkbox"/> Oppose</p> <p><i>While this Standard is not applicable to Suncor, we are recommending the following:</i></p>	

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

NERC PRC-018-1	Alberta PRC-018-AB-1	AESO Reason for Difference	Stakeholder Comments	AESO Replies
<p>and their basis.</p> <p><b>R6.2.</b> Summary of maintenance and testing procedures.</p>	<p><b>R9.1</b> Maintenance and testing intervals and their basis.</p> <p><b>R9.2</b> Summary of maintenance and testing procedures.</p>		<p><i>That additional time be granted (beyond the 90 days) to newly identified registered entities in which the standard does not currently apply, to meet compliance requirements. The recommendation is to allow a 2 year time period for newly identified entities to meet the requirements set out in this Standard.</i></p>	
<p><b>M1.</b> The Transmission Owner and Generator Owner shall each have evidence that DMEs it is required to have meet the functional requirements specified in Requirement 1 and are installed in accordance with its associated Regional Reliability Organization's requirements (R2).</p>	<p><b>MR1</b> A list exists that identifies all disturbance monitoring equipment according to requirement R1.</p> <p><b>MR2</b> Measures for this requirement are identified in the sub-measures below:</p> <p><b>MR2.1</b> Confirmation exists that the disturbance monitoring equipment is synchronized as specified in requirement R2.1.</p> <p><b>MR2.2</b> Confirmation exists that the disturbance monitoring equipment stores disturbance data as specified in requirement</p>	<p><input type="checkbox"/> New  <input checked="" type="checkbox"/> Amended  <input type="checkbox"/> Deleted</p> <p>Amended to align with requirement R1 and R2.</p>	<p><input checked="" type="checkbox"/> Support  <input type="checkbox"/> Support with language suggestions  <input type="checkbox"/> Oppose</p>	

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

NERC PRC-018-1	Alberta PRC-018-AB-1	AESO Reason for Difference	Stakeholder Comments	AESO Replies
<p><b>M2.</b> The Transmission Owner and Generator Owner shall each maintain the data listed in Requirements 3.1 through 3.8 for the DMEs installed to meet its Regional Reliability Organization’s DME installation requirements.</p> <p><b>M2.1</b> The Transmission Owner and Generator Owner shall each have evidence it provided this DME data to its Regional Reliability Organization within 30 calendar days of a request.</p>	<p>R2.2.</p> <p><b>MR3</b> Confirmation exists that disturbance monitoring equipment has been installed as specified in requirement R3.</p>	<p><input type="checkbox"/> New  <input checked="" type="checkbox"/> Amended  <input type="checkbox"/> Deleted</p> <p>Amended to align with requirement R3.</p>	<p><input checked="" type="checkbox"/> Support  <input type="checkbox"/> Support with language suggestions  <input type="checkbox"/> Oppose</p>	
<p><b>M3.</b> The Transmission Owner and Generator Owner shall each have evidence it retained and provided recorded Disturbance data to entities in accordance with its associated Regional Reliability Organization’s Disturbance data reporting requirements. (R4 R5)</p>	<p><b>MR4</b> Confirmation exists that data is maintained and is provided as specified in requirement R4.</p> <p><b>MR4.1</b> Data is complete and accurate for each disturbance monitoring equipment device as specified in requirement R4.1</p> <p><b>MR4.2</b> Data is complete and accurate for each disturbance monitoring equipment device as specified in requirement R4.2</p> <p><b>MR4.3</b> Data is complete and accurate for each disturbance</p>	<p><input type="checkbox"/> New  <input checked="" type="checkbox"/> Amended  <input type="checkbox"/> Deleted</p> <p>Amended to align with requirement R4.</p>	<p><input type="checkbox"/> Support  <input type="checkbox"/> Support with language suggestions  <input type="checkbox"/> Oppose</p> <p><i>Insert comments, reason for position, and alternate proposal (if any).</i></p>	

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

NERC PRC-018-1	Alberta PRC-018-AB-1	AESO Reason for Difference	Stakeholder Comments	AESO Replies
	<p>monitoring equipment device as specified in requirement R4.3</p> <p><b>MR4.4</b> Data is complete and accurate for each disturbance monitoring equipment device as specified in requirement R4.4.</p> <p><b>MR4.5</b> Data is complete and accurate for each disturbance monitoring equipment device as specified in requirement R4.5.</p> <p><b>MR4.6</b> Data is complete and accurate for each disturbance monitoring equipment device as specified in requirement R4.6</p> <p><b>MR4.7</b> Data is complete and accurate for each disturbance monitoring equipment device as specified in requirement R4.7.</p> <p><b>MR4.8</b> Data is complete and accurate for each disturbance monitoring equipment device as specified in requirement R4.8.</p>			
	<p><b>MR5</b> Confirmation exists that data is provided as specified in requirement R5.</p>	<p><input checked="" type="checkbox"/> New</p> <p><input type="checkbox"/> Amended</p> <p><input type="checkbox"/> Deleted</p>	<p><input type="checkbox"/> Support</p> <p><input type="checkbox"/> Support with language suggestions</p> <p><input type="checkbox"/> Oppose</p>	

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

NERC PRC-018-1	Alberta PRC-018-AB-1	AESO Reason for Difference	Stakeholder Comments	AESO Replies
		Added to align with requirement R5.	<i>Insert comments, reason for position, and alternate proposal (if any).</i>	
<p><b>M4.</b> Each Transmission Owner and Generator Owner that is required to install DMEs to meet its Regional Reliability Organization's DME installation requirements, shall have an associated DME maintenance and testing program as defined in Requirement 6.</p>	<p><b>MR6</b> Confirmation exists that disturbance data is provided as specified in requirement R6.</p> <p><b>MR7</b> Confirmation exists that data is provided as specified in requirement R7.</p>	<p><input type="checkbox"/> New  <input checked="" type="checkbox"/> Amended  <input type="checkbox"/> Deleted</p> <p>Amended to align with requirement R6 and R7.</p>	<p><input type="checkbox"/> Support  <input type="checkbox"/> Support with language suggestions  <input type="checkbox"/> Oppose</p> <p><i>Insert comments, reason for position, and alternate proposal (if any).</i></p>	
	<p><b>MR8</b> Confirmation exists that the ISO archived all data recorded by disturbance monitoring equipment for all WECC and ISO identified events as specified in requirement R8.</p>	<p><input checked="" type="checkbox"/> New  <input type="checkbox"/> Amended  <input type="checkbox"/> Deleted</p> <p>Added to align with requirement R8.</p>	<p><input type="checkbox"/> Support  <input type="checkbox"/> Support with language suggestions  <input type="checkbox"/> Oppose</p> <p><i>Insert comments, reason for position, and alternate proposal (if any).</i></p>	
	<p><b>MR9</b> Confirmation exists that a written maintenance and testing program was implemented as specified in requirement R9.</p> <p><b>MR9.1</b> Interval information is included as specified in requirement R9.1.</p>	<p><input checked="" type="checkbox"/> New  <input type="checkbox"/> Amended  <input type="checkbox"/> Deleted</p> <p>Added to align with requirement R9.</p>	<p><input type="checkbox"/> Support  <input type="checkbox"/> Support with language suggestions  <input type="checkbox"/> Oppose</p> <p><i>Insert comments, reason for position, and alternate proposal (if any).</i></p>	

**COMPARISON BETWEEN NERC PRC-018-1 AND ALBERTA PRC-018-AB-1  
DISTURBANCE MONITORING EQUIPMENT INSTALLATION AND DATA REPORTING**

<b>NERC PRC-018-1</b>	<b>Alberta PRC-018-AB-1</b>	<b>AESO Reason for Difference</b>	<b>Stakeholder Comments</b>	<b>AESO Replies</b>
	<b>MR9.2</b> A summary as specified in requirement R9.2 exists and includes clear and detailed procedures.			
<b>Compliance</b> To view the compliance section D of the NERC reliability standard follow this link: <a href="http://www.nerc.com/files/PRC-018-1.pdf">http://www.nerc.com/files/PRC-018-1.pdf</a>		The Alberta reliability standards do not contain a compliance section. Compliance with all Alberta reliability standards is completed in accordance with the Alberta Reliability Standards Compliance Monitoring Program, available on the AESO website at: <a href="http://www.aeso.ca/loadsettlement/17189.html">http://www.aeso.ca/loadsettlement/17189.html</a> .		
<b>Regional Differences</b> None identified.	None identified.	Not applicable in Alberta		

<b>Definitions</b>	<b>Comments</b>	<b>Rationale and/or Alternate Proposal</b>
<b>(a) New</b> “ <i>disturbance monitoring equipment</i> ” means devices capable of monitoring and recording system data pertaining to a disturbance, including any or all of the following: (i) sequence of event recorders which record equipment response to the disturbance; (ii) fault recorders, which record actual waveform data replicating the system primary voltages and currents and which include protective relays that provide this functionality; and (iii) dynamic <i>disturbance</i> recorders which record incidents that portray system behaviour during disturbances, such as low-frequency (0.1 Hz - 3 Hz) oscillations, abnormal frequency or voltage excursions, and which include protective relays and phasor measurement units that provide this functionality.	<input type="checkbox"/> Support <input type="checkbox"/> Support with language suggestions <input type="checkbox"/> Oppose  <i>Insert comments, reason for position, and alternate proposal (if any).</i>	
<b>(b) Removals</b> N/A		
<b>(c) Amendments</b> N/A		

