



Date of Request for Comment: 2011-12-06
 Period of Consultation: 2011-12-06 through 2012-01-13

Terms of Reference – In-Scope Section

Do stakeholders agree with the scope set out in the in the Terms of Reference? Are there any other documents the AESO should consider as in scope?

Stakeholder	Stakeholder Comment	AESO Replies
AltaLink	<i>AltaLink would like more clarity as to why the SCADA standard and Phasor standard are being combined for this consultation as different subject matter expertise are required for each.</i>	The AESO wants to ensure that the proposed new ISO rule replacing the SCADA standard and the Phasor standard incorporates all the requirements to: <ol style="list-style-type: none"> 1. Meet ISO Rule 502.1 Wind Technical Rules which require phasor measurement units. 2. Meet ISO Rule 304.3 Wind Power Ramp Up Management which requires Dispatch and Directives to be done via SCADA. 3. Minimize the volume of Authoritative Documents to eliminate duplication In addition, the AESO will be participating in the WECC Western Interconnection Synchrophasor Program (WISP) which requires real-time data streaming of Synchrophasor data to the WECC dispatch center.
ATCO Electric	<i>Yes we agree.</i>	No reply required.

ATCO Power	<i>Agree</i>	No reply required.
ENMAX Energy Corporation	<i>Agree with scope</i>	No reply required.
EPCOR	<i>Yes</i>	
TransCanada	<i>TCE agrees with the scope set out in the Terms of Reference (TOR).</i>	No reply required.

Terms of Reference – Out of Scope Section

Do stakeholders agree with the out of scope section?

Stakeholder	Stakeholder Comment	AESO Replies
AltaLink	<i>AltaLink agrees with this section to the extent that other AESO Standards and Rules are independent of the SCADA and Phasor standards.</i>	No reply required.
ATCO Electric	<i>Yes we agree.</i>	No reply required.
ATCO Power	<i>Agree</i>	No reply required.
ENMAX Energy Corporation	<i>Agree</i>	No reply required.
EPCOR	<i>Yes</i>	No reply required.
TransCanada	<i>TCE agrees with the scope set out in the Terms of Reference (TOR).</i>	

Terms of Reference - Need for the ISO rule Changes Section

Do stakeholders agree with the need for the changes? Are there any other drivers of need of issues the AESO should consider?

Stakeholder	Stakeholder Comment	AESO Replies
AltaLink	<i>AltaLink has no comment</i>	No reply required.
ATCO Electric	No comment	No reply required.
ATCO Power	<i>Agree</i>	No reply required.
ENMAX Energy Corporation	<i>Agree with the need for changes</i>	No reply required.
EPCOR	<i>Current Functional Spec for WISP PMU Upgrade requires review and update for deliverable dates.</i>	The AESO WISP Project Manager has been advised of EPCOR's comment and will resolve deliverable dates with EPCOR.
TransCanada	<i>The "need" section in the TOR indicates that the AESO is proposing to transition the Page 2 binding requirements in the SCADA and Phasor Unit Measurement Technical</i>	New requirements may be identified as the AESO works through the workgroup; and as such these new requirements are not known at this time.

	<p><i>Requirements to the new ISO Rule framework consistent with the Transition of Authoritative Documents initiative. TCE has been and continues to be supportive of this initiative.</i></p> <p><i>The AESO Letter of Notice accompanying the proposed TOR indicates that a working group will be required to review the current content and any new technical requirements if any. However, the TOR does not outline what changes the AESO is contemplating to the current technical requirements, if any. Therefore it is difficult to comment on the “need” to change these requirements outside of transitioning them to the new framework. TCE hereby requests that further clarity of the “changes” be included in the TOR.</i></p>	<p>A few areas that the AESO will bring forward for discussion with the workgroup include:</p> <ol style="list-style-type: none"> 1. New capabilities with respect to phasor measurement unit communications technology; 2. SCADA requirements for distribution connected generators; and 3. Use of transmission facility owner telecommunications for the provision of SCADA data. <p>The AESO has not yet determined any specific new requirements related to these areas only that these areas will be discussed with the workgroup along with all the other content in the existing AESO SCADA and Phasor Measurement Unit standards.</p> <p>In the future, if the AESO knows about specific new requirements at the time of issuing a Terms of Reference; it will outline the specific new requirements; or new areas which the AESO plans to discuss with a workgroup.</p>
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Terms of Reference – Consultation Activities, Documents and Schedule Section

Do stakeholders agree with the consultation activities, documents and schedule?		
Stakeholder	Stakeholder Comment	Replies
AltaLink	<i>Based on AltaLink’s participation on other Rules, the schedule may be too</i>	The AESO acknowledges AltaLink’s concern and will discuss the schedule with

	<i>aggressive.</i>	the workgroup at the first meeting and make adjustments to the schedule as required.
ATCO Electric	<i>Yes we agree.</i>	
ATCO Power	<i>Agree</i>	No reply required.
ENMAX Energy Corporation	<i>Agree</i>	No reply required.
EPCOR	<i>Yes</i>	No reply required.
Terms of Reference - Other Comments		
Do stakeholders have any other comments regarding the Terms of Reference for the SCADA and Phasor ISO rules?		
Stakeholder	Stakeholder Comment	Replies
AltaLink	<p>AltaLink would like more clarity as to the AESO's intent and process to be used to monitor compliance of these Rules once they are effective.</p> <p>AltaLink also encourages the AESO to ensure the Rules are developed to outline the high level functionality requirements only and not detailed design requirements to allow entities flexibility on how to comply with such Rules.</p>	<p>Consistent with the AESO Replies regarding the compliance matter on ISO rules 502.2 <i>Bulk Transmission Line Technical Requirements</i>, AltaLink and other market participants, will not be required to do anything more than they previously were required to do and should have done under the existing AESO standards. In addition, it is the AESO's view that the existing AESO standards must be complied with and therefore the AESO is not proposing any specific or practical change as to how market participants demonstrate compliance, nor is it advocating for any specified penalties for non compliance.</p> <p>Consistent with the transition of other AESO standards into ISO rules the AESO plans to set out the minimum SCADA and Phasor requirements in the ISO rules.</p>
ATCO Electric	No comments for the SCADA	No reply required.

ATCO Power	None	No reply required.
ENMAX Energy Corporation	No other comments at this time	No reply required.
EPCOR	Will overall communications infrastructure be a topic of consideration for the SCADA and Phasor ISO rules?	No, the AESO and the workgroup will focus on the SCADA and Phasor Measurement Unit technical requirements. Any items of concern with regards to the overall communications system will be referred to the Telecommunications Work Group for discussion within that group.

Participation in the Technical Workgroup

Please indicate if you plan to participate in the technical workgroup and provide the representative's contact information. The AESO will contact the representatives in January 2012 with the workgroup logistics.

Stakeholder	Stakeholder Comment	Replies
AltaLink	<p>Do you plan to participate in technical workgroup?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If "Yes" please provide the contact information for the person planning to participant:</p> <p>Name: Clint Struth Title: Principal Engineer, Network Communications E-Mail Address: Clinton.Struth@AltaLink.ca Phone Number: 403-267-3495</p>	The AESO acknowledges AltaLink's interest in participating and will contacting the AltaLink representative with the workshop logistics by February 3, 2012.
ATCO Electric	Do you plan to participate in technical workgroup?	The AESO acknowledges ATCO's interest in participating and will contacting the ATCO representative with the workshop logistics by February 3, 2012.

	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" please provide the contact information for the person planning to participant: Name: Doug Van Slyke Title: Supervisor, SCADA Technologies Group E-Mail Address: doug.vanslyke@atcoelectric.com	
ATCO Power	Do you plan to participate in technical workgroup? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" please provide the contact information for the person planning to participant: Name: Aliza Dewji Title: Compliance Engineer E-Mail Address: aliza.dewji@atcopower.com Phone Number: 403-245-7727	The AESO acknowledges ATCO's interest in participating and will contacting the ATCO representative with the workshop logistics by February 3, 2012.
ENMAX Energy Corporation	Do you plan to participate in technical workgroup? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The AESO acknowledges ENMAX Energy Corporation's interest in participating and will contacting the ENMAX Energy Corporation representative with the workshop logistics by February 3, 2012.

	<p>If "Yes" please provide the contact information for the person planning to participant:</p> <p>Name: Mark Phillips Title: Manager, Instrumentation & Controls E-Mail Address: mphilips@enmax.com Phone Number: 403-514-1579</p>	
<p>EPCOR</p>	<p>Do you plan to participate in technical workgroup?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If "Yes" please provide the contact information for the person planning to participant:</p> <p>Name: Sean Langford, P. Eng Title: SCADA Team Lead E-Mail Address: slangford@epcor.com Phone Number: 780-412-4579</p>	<p>The AESO acknowledges EPCOR's interest in participating and will contacting the EPCOR representative with the workshop logistics by February 3, 2012.</p>
<p>TransCanada</p>	<p>Do you plan to participate in technical workgroup? TCE would like to participate in the working group.</p> <p>X Yes No</p> <p>If "Yes" please provide the contact information for the person planning to participant:</p>	<p>The AESO acknowledges TransCanada's interest in participating and will contacting the TransCanada representatives with the workshop logistics by February 3, 2012.</p>

	<p>Technical Contact Name: Kelly Sherger Title: Facilities Integrity – Field SCADA E-Mail Address: kelly_sherger@transcanada.com Phone Number: 403-920-6405</p> <p>Regulatory Contact Name: Janene Taylor Title: Manager, Market Services E-Mail Address: janene_taylor@transcanada.com Phone Number: 403-920-7682</p>	
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