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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Date of Request for Comment: | | | May 15, 2018 | | | | | Period of Consultation: | | May 15, 2018 | | through | May 29, 2018 | | Comments From: | Company Name | | | | | |  |  |  | | --- | --- | | Date [yyyy/mm/dd]: |  | | |  |  | | --- | --- | | Contact: | Company Contact | | Phone: | Contact Phone Number | | | Email: |  | | |

*Listed below is the summary description of changes for the proposed new BAL definitions and amended BAL definitions. Please refer back to the Consultation Letter under the “Attachments” section to view materials related to the proposed new BAL definitions and amended BAL definitions. Please place your comments/reasons for position underneath (if any).*

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| --- | --- | --- | --- | --- |
| **Definitions – Amended** | | | | |
| **Existing** | | **Proposed** | | **Market Participant Comments and/or Alternate Proposal** |
| “**area control error**” means the instantaneous difference between actual **interchange** and **scheduled interchange**, taking into account the effects of **frequency bias**, time error and unilateral **inadvertent interchange** if automatic correction is part of the **automatic generation control** of the **interconnected electric system**, and a correction for metering error. | | “**area control error**” means the instantaneous difference between actual **interchange** and **~~scheduled~~** scheduled **interchange**, taking into account the effects of **frequency bias**, time error and unilateral **inadvertent interchange** if automatic correction is part of the **automatic generation control** of the **interconnected electric system**, and a correction for metering error. | | *Comment # 1: Insert Comments / Reason for Position (if any)* |
| “**operating reserves**” means the capability above system demand required to provide for **regulation**, load forecasting errors, equipment forced and scheduled outages, and local area protection. It consists of **spinning reserve** and **non-spinning reserve**. | | “**operating reserve~~s~~**” means the capability above system demand required to provide for **regulation**, load forecasting errors, equipment ~~forced and scheduled~~ outages, and local area protection. ~~It consists of~~ **~~spinning reserve~~** ~~and~~ **~~non-spinning reserve~~**~~.~~ | |  |
| **Definitions – New** | | | | |
| **Existing** | **NERC Definition** | | **Proposed** | **Market Participant Comments and/or Alternate Proposal** |
| No definition currently exists for use in the Alberta reliability standards. | The algebraic sum of actual megawatt transfers across all Tie Lines, including Pseudo-Ties, to and from all Adjacent Balancing Authority areas within the same Interconnection. Actual megawatt transfers on asynchronous DC tie lines that are directly connected to another Interconnection are excluded from Actual Net Interchange. | | “**actual** **net** **interchange**” means the algebraic sum of actual MW transfers across all tie lines, including pseudo-ties, to and from all **adjacent** **balancing** **authorities** within the same **Interconnection**. | *Comment # 1: Insert Comments / Reason for Position (if any)* |
| No definition currently exists for use in the Alberta reliability standards. | An amount of reserve responsive to Automatic Generation Control, which is sufficient to provide normal regulating margin. | | “**regulating reserve”** means the component of **operating reserve**:   1. responsive to **automatic generation control**; and 2. **frequency responsive**;   that is sufficient to provide normal regulating margin. |  |
| No definition currently exists for use in the Alberta reliability standards. | The scan rate values of a Balancing Authority Area’s (BAA) Area Control Error (ACE) measured in MW includes the difference between the Balancing Authority Area’s Actual Net Interchange and its Scheduled Net Interchange, plus its Frequency Bias Setting obligation, plus correction for any known meter error. In the Western Interconnection, Reporting ACE includes Automatic Time Error Correction (ATEC). Reporting ACE is calculated as follows: Reporting ACE = (NIA − NIS) − 10B (FA − FS) – IME Reporting ACE is calculated in the Western Interconnection as follows: Reporting ACE = (NIA − NIS) − 10B (FA − FS) – IME + IATEC Where: • NIA = Actual Net Interchange. • NIS = Scheduled Net Interchange. • B = Frequency Bias Setting. • FA = Actual Frequency. • FS = Scheduled Frequency. • IME = Interchange Meter Error. • IATEC = Automatic Time Error Correction.  All NERC Interconnections operate using the principles of Tie-line Bias (TLB) Control and require the use of an ACE equation similar to the Reporting ACE defined above. Any modification(s) to this specified Reporting ACE equation that is(are) implemented for all BAAs on an Interconnection and is(are) consistent with the following four principles of Tie Line Bias control will provide a valid alternative to this Reporting ACE equation: 1. All portions of the Interconnection are included in exactly one BAA so that the sum of all BAAs’ generation, load, and loss is the same as total Interconnection generation, load, and loss; 2. The algebraic sum of all BAAs’ Scheduled Net Interchange is equal to zero at all times and the sum of all BAAs’ Actual Net Interchange values is equal to zero at all times; 3. The use of a common Scheduled Frequency FS for all BAAs at all times; and, 4. Excludes metering or computational errors. (The inclusion and use of the IME term corrects for known metering or computational errors.) | | “**reporting area control error**”meansthe scan rate values of the **area** **control** **error** of a **balancing** **authority** **area** measured in MW and includes the difference between the **actual net** **interchange** of the **balancing** **authority** **area** and its **scheduled net** **interchange**, plus its **frequency** **bias** **setting** obligation, plus correction for any known meter error; and in the **western** **interconnection**, **reporting area control error** includes **automatic** **time** **error** **correction**. |  |
| No definition currently exists for use in the Alberta reliability standards. | The algebraic sum of all scheduled megawatt transfers, including Dynamic Schedules, to and from all Adjacent Balancing Authority areas within the same Interconnection, including the effect of scheduled ramps. Scheduled megawatt transfers on asynchronous DC tie lines directly connected to another Interconnection are excluded from Scheduled Net Interchange. | | “**scheduled net interchange**” means the algebraic sum of all scheduled MW transfers, including dynamic schedules, to and from all **adjacent balancing authorities** within the same **Interconnection**, including the effect of scheduled ramps. |  |