

## Project 2010-14.2.1 Mapping Document Transition of BAL-005-0.2b to BAL-005-1

Standard: BAL-005-1 – Disturbance Control Standard		
Requirement in Approved Standard	Transitions to the below Requirement in New Standard or Other Action	Description and Change Justification
BAL-005-1 R1	Requirement R1 Part R1.1 and Part R1.2 have been moved into FAC-001-2 Requirement R3 and R4. Requirement R1 Part R1.3 is being retired.	Requirements R1 Parts R1.1 and R1.2 do not provide for necessary information concerning the calculation of Reporting ACE. The requirement provides for information necessary when connecting to the electric system. Requirement R1 Part 1.3 is being retired in conjunction with the Risk-based Registration initiative de-certifying the LSE function.
BAL-005-0.2b R2	Retired	This requirement was retired as part of the original Paragraph 81 project. Its retirement was approved by FERC effective January 21, 2014.
BAL-005-0.2b R3	Retire	This requirement can be retired since coordination of common values between Adjacent BAs is covered in the Requirement R7.
BAL-005-0.2b R4	Retire	This requirement can be retired since coordination of common values between Adjacent BAs is covered in the Requirement R7.
BAL-005-0.2b R5	Retire	This requirement can be retired since coordination of common values between Adjacent BAs is covered in the Requirement R7.

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BAL-005-0.2b R6	Moved to definition of Reporting ACE and Requirement R2	The portion of the requirement concerning calculating ACE was moved into the definition for Reporting ACE. The portion of the requirement concerning an entity’s inability to calculate Ace for more than 30 minutes was moved into Requirement R2.
BAL-005-0.2b R7	Retire	This requirement should be retired under Paragraph 81 criteria. The first sentence covers having a functional EMS or other system capable of calculating Reporting ACE and controlling resources, though resources can be dispatched manually without any detriment to reliability. The SDT believes that the term “operate AGC” in R7 refers to the capability to continuously calculate ACE, not automatic control of resources to the extent BAs cannot take resources off “AGC” mode.
BAL-005-0.2b R8	The body of this requirement was moved to Requirement R1 and Part 8.1 was moved into Requirement R3	The body of this requirement has been moved to Requirement R1 and Part 8.1 has been moved into Requirement R3.
BAL-005-0.2b R9	Retire	R9 is covered in the definition of Reporting ACE, and the proposed R7 ensures that the BA does not include any Interchange in its Reporting ACE that does not have an Adjacent BA. Regarding R9.1, the Actual Net Interchange and Scheduled Net Interchange values in the Reporting ACE calculation include provisions for the Balancing Authority to include its high voltage direct (HVDC) link to another asynchronous interconnection. By assuring the values are handled consistently in the actual and scheduled Interchange terms included in the real-time Reporting ACE by definition, the Balancing Authority is not being instructed “how” to implement the HVDC link, but allowed to decide the method it will use.

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BAL-005-0.2b R10	Retire	The basics of this requirement is factored into the definition of Scheduled Net Interchange (NIS) used in the Reporting ACE calculation as defined in the NERC Glossary.
BAL-005-0.2b R11	Retire	The basics of this requirement is factored into the definition of Scheduled Net Interchange (NIS) used in the Reporting ACE calculation as defined in the NERC Glossary.
BAL-005-0.2b R12	Moved to Requirement R7	This requirement has been moved to Requirement R7.
BAL-005-0.2b R13	Moved to Requirement R7	The portion of the requirement concerning common time synchronization was moved into Requirement R7. The portion of the requirement concerning an equipment error was moved into Requirement R7.
BAL-005-0.2b R14	Moved to Requirement R4 and Requirement R7	This requirement has been moved into Requirement R4 and Requirement R7.
BAL-005-0.2b R15	Retired	This requirement is duplicative of the intent of EOP-008 - Loss of Control Room Functionality. In addition, proposed R3 requires a performance level that the Balancing Authority Area must meet. The standard does not tell the BAA how to meet it.
BAL-005-0.2b R16	Moved to Requirement R4	This requirement has been moved into Requirement R4.

**Standard: BAL-005-1 – Disturbance Control Standard**

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BAL-005-0.2b R17	Partially retired (partially captured in new Requirement R3)	<p>This requirement which address accuracy of RTU and transducers is meaningless in today’s world. RTUs do not quantize measurement anymore, these are done by relay or meters. Transducers are not used anymore and have been replaced by meters and relays which measure quantities. This requirement should be restored such that it actually supports an accurate calculation of ACE and proper operation of AGC by specifying accuracy requirements for all telemetry associated with ACE (Frequency, MW and the associated sensing devices and telemetry). In addition, the interpretation effective 8/27/2008 in BAL-005-0.2.b for R17 states that this requirement is specific to the equipment used to determine the frequency component required for reporting ACE. This is now being captured in Requirement R3.</p>