

Prerequisite Approvals and Activities

There are no other reliability standards or Standard Authorization Requests (SARs), in progress or approved, that must be implemented before this set Balance Resources and Demand standards can be implemented.

As part of this implementation plan, the drafting team is recommending that some Version 0 Balance Resources and Demand requirements be retired because they will be displaced with Version 1 Balance Resources and Demand requirements.

Balloting

The drafting team recommends that this set of standards be balloted with a single ballot so that only one Ballot Pool will be formed.

Effective Dates

The following table shows the proposed effective dates for the Version 1 Balance Resources and Demand standards as well as for the conforming modifications to Version 0 Balance Resources and Demand standards. The effective date is contingent on the approval of the reliability standards by a vote of the Ballot Pool that is tentatively scheduled for August 2006. The effective date is also contingent on adoption of these standards by the NERC Board of Trustees. The board will approve the final effective date when it adopts the standards for implementation. These standards are scheduled for consideration by the board on November 1, 2006.

Version 1 Standard	Proposed Effective Date	Reason for Delay in Implementation
BAL-007 Balance of Resources and Demand	Nine months after BOT adoption	Entities that didn't participate in the field test need to update system operator tools so that system operators can monitor BAALs and Frequency Limits.
BAL-008 Frequency and Area Control Error	Nine months after BOT adoption	Entities that didn't participate in the field test need to update system operator tools so that system operators can monitor BAALs and Frequency Limits.
BAL-009 Actions to Return Frequency to within Frequency Trigger Limits	Nine months after BOT adoption	Entities that didn't participate in the field test need to update system operator tools so that system operators can monitor BAALs and Frequency Limits.
BAL-010 Frequency Bias Settings	Three months after BOT adoption	Time needed for entities to update their frequency bias settings.
BAL-011 Frequency Limits	Effective upon BOT adoption	Limits have already been established for each Interconnection

Implementation Plan for Balance Resources and Demands Standards

Version 0 Standard	Proposed Effective Date
BAL-001 Real Power Balancing Control Performance	Retire when compliance with BAL-007 becomes effective
BAL-002 Disturbance Control Performance	Retire when compliance with BAL-007 through BAL-009 becomes effective
BAL-003 Frequency Response and Bias	Retire when compliance with BAL-010 becomes effective
BAL-005 Automatic Generation Control	Modifications effective when BAL-007 through BAL-009 become effective
IRO-005 Reliability Coordination — Current Day Operations	Modifications effective when BAL-007 through BAL-009 become effective

Compliance with Balance Resources and Demand Standards

Once the Version 1 Balance Resources and Demand standards are effective, the responsible entities identified in each of the standards must comply with the requirements in that standard. The following maps the Balance Resources and Demand requirements to each applicable function. Note that some of the standards in this set are revised Version 0 standards. Entities must continue to comply with all requirements in approved Version 0 standards until the requirements in the approved Version 0 standards are replaced or retired.

For example, BAL-001 should be retired when BAL-007 becomes effective. BAL-001 has requirements for Balancing Authorities. The Balancing Authority is responsible for compliance with all requirements in BAL-001 until the requirements in BAL-007 becomes effective.

Earlier Compliance Allowed

Following the approval of the Board of Trustees and prior to the effective date, any Balancing Authority, that has the agreement of its Reliability Coordinator and the approval of its Compliance Monitor, may begin operating under the Version 1 Balance Resources and Demand standards.

Recommended Modifications to Version 0 Standards

The following table shows the Balance Resources and Demand standard drafting team’s recommendations for modifying or deleting some of the following Version 0 Balance Resources and Demand standards. Justification for these recommendations is provided in the table. Redline versions showing the proposed changes to BAL-005 and IRO-005 have been posted.

Version 0 Standard	Recommendation	Reason
BAL-001 -Real Power Balancing Control Performance	Retire entire standard	BAL-001 requires compliance with CPS1 and CPS2; CPS1 is addressed in the new BAL-007; CPS2 is being retired based on stakeholder consensus
BAL-002 - Disturbance Control Performance	Retire entire standard	DCS is being retired based on stakeholder consensus.
BAL-003 - Frequency Response and Bias	Retire entire standard	BAL-003 requires calculation of frequency bias, but the requirements aren’t as objective as desired; BAL-010 contains more objective requirements for the calculation of frequency bias.
BAL-005 - Automatic Generation Control	Revise standard to remove references to DCS	BAL-005 contains some language in the compliance elements that requires Balancing Authorities to keep or provide data from DCS calculations. Since the requirement to calculate and report DCS is being retired, these data retention requirements should also be retired.
IRO-005 Reliability Coordination — Current Day Operations	Revise standard to replace references to DCS and CPS	IRO-005 contains some references to DCS and CPS – the requirements have been updated to retain the intent of each requirement while updating the reference to either CPM or BAAL.

Functions That Must Comply with the Proposed Standards

Standard	Functions That Must Comply With the Requirements
BAL-007 Balance of Resources and Demand	Balancing Authority (All requirements)
BAL-008 Frequency and Area Control Error	Reliability Coordinator (All requirements)
BAL-009 Actions to Return Frequency to within Frequency Trigger Limits	Balancing Authority (All requirements)
BAL-010 Frequency Bias Settings	Balancing Authority (All requirements)
BAL-011 Frequency Limits	NERC (All requirements)