

Average Frequency Error

Specifications

- Metric number – ALR1-10
- Submittal date – May 13, 2009
- Sponsor group (OC, PC or subgroup name) – Resource Subcommittee
- Short title – Average Frequency Error
- Purpose – Average frequency error is based on historic measured frequency error and is used to measure frequency control performance.
- SMART Rating – TBD
- How will it be suited to indicate performance? – Tracking and monitoring Average Frequency Error will indicate improvement and decline of frequency control performance.
- Metric Description – The metric is to use one-minute average frequency deviation data on peak and off peak hours.
- Formula – Average of frequency deviation on a monthly basis
- Time Horizon – Historic View
- Metric Start Time or Baseline – 2006
- Data collection Interval and roll up – Monthly
- Ease of collection – Monthly data from RS
- Aggregation – Interconnection
- Linkage to NERC Standard – BAL-001
- Linkage to Data Source – RS monthly data report
- Need for validation or pilot – No

Reporting

- Can metrics drill down to an individual entity? – No
- Style (look and feel) – Bar Chart
- Publications and documentation (e.g., section of LTRA) – NERC website and annual metric report
- Heisenberg effect – No