Balancing Integrated Operational Plan (BIOP) Elements

The NERC Functional Model includes the responsibility for development of a Balancing Authority area Balancing Integrated Operational Plan (BIOP). This plan is to be provided to the Reliability Coordinator for reliability evaluation and shall incorporate the plans of LSEs and Generator Operators within the Balancing Authority area boundaries. The elements of the plan are defined as:

1. Forecast Load
    a. An aggregate load forecast which includes all of the load obligations within the balancing area.
    b. This forecast must include the loads of all load-serving entities within the area and identify the extent, if any, that loads are available as balancing resources (interruptible loads).
    c. The forecast time resolution should be at least hourly
    d. The forecast must be of sufficient duration to match both the BA and RA's operational planning needs.
2. IOS Requirements
    a. Contingency Reserve-
        i. BA determination
    b. Regulation-
        i. BA determination
    c. Frequency Response
        i. BA determination
    d. Load Following-
        i. BA determination
        ii. Capability
3. Planned Interchange
    a. The BIOP shall include all Balancing Authority area interchange transactions which will be effective within the BIOP time period.
4. Generating Resources
    a. The BIOP shall include planned and expected operation of all production resources within the Balancing Authority area
    b. Availability and capability of generating resources.
5. Time Period
    a. Uniform time interval for all information.