Summary Report on Consolidated Control Area Discussions

1. **General context for discussions.**
    a. What does a control area do?
        i. View #1 -- traditional NERC control area certification.
        ii. View #2 -- NERC Functional Model.
        iii. Possible changes in NERC policies from investigation of August 2003 Northeast Blackout.

2. **CCA Group's approach to defining a consolidated control area.**
    a. Identified five "families" of functions performed by today's control areas (see page 2).
    b. Asked how the functions could be met "tomorrow", i.e., which of these functions are within the responsibility of the independent entity under the Regional Proposal.
        i. Which functions does the Regional Proposal contemplate the IE will perform for the whole footprint?
        ii. Which functions do the consolidators contemplate the independent entity will perform for them, but not for other PTOs?
        iii. What is the participation of non-PTOs, both inside and outside of the region?
    c. Discussions to date provide a starting point for further discussion

3. **Observations of CCA Group.**
    a. Three of the families of services should apply to all PTOs participating in the independent entity:
        i. Scheduling and Rights Administration
        ii. Reliability
        iii. System Expansion
    b. Of the three bundles of service functions within the Market Procured Generator Services family:
        i. Balancing-Regulation and Contingency Reserve services are required by a consolidated control area.
        ii. Redispatch (day-ahead as described in Regional Proposal) applies to the full independent entity footprint.
    c. The Line Operation functions should stay with the PTOs with coordination through the independent entity.
    d. Further work is needed
        i. Many questions have been raised that will have to addressed.
        ii. The consolidated control area must work with all other parts of the regional basis as a systematic whole.

Families of
Control Area Functions

1. Market Procured Generator Services:
    a. Balancing-regulation – regulation and frequency response, load following both up and down, balancing energy and replacement reserve.
    b. Contingency reserve – both spinning and non-spinning reserve.
    c. Redispatch.

2. Scheduling and Rights Administration:
    a. OASIS.
    b. Commercial availability of transmission capacity, i.e., what is today called available transmission capacity (ATC) under current open access transmission tariffs.
    c. Final-day scheduling including E-Tag processing.
    d. Rights administration.

3. Reliability:
    a. System monitoring
    b. Authority for operational changes.
    c. Physical capacity of transmission system, i.e., the total transmission capacity (TTC) and operational transmission capacity (OTC).
    d. System voltage and VAr control.

4. System Expansion:
    a. Planning.
    b. Interconnections.
    c. Expansion and construction.
    d. Financing.

5. Line Operation:
    a. Switching.
    b. Maintenance.
    c. Local voltage management.

Independent Entity Functional Roles