



CEIDS

The Consortium for Electric Infrastructure to Support a Digital Society

Monthly Progress Report

Providing technical, program and event updates to supporters of CEIDS

JUNE 2004

CEIDS NEWS

- In June, the first four volumes of IECSA (The Integrated Energy and Communication Systems Architecture) reports were released to the Project Advisory Group members for review and comments. The four volumes included the following: Volume I: IECSA User's Guide and Recommendations; Volume II: IECSA Functional Requirements; Volume III: IECSA Models; and, Volume IV: IECSA Standards, Guidelines and Recommendations.

TECHNICAL PROGRESS

Integrated Energy and Communications System Architecture

- The draft deliverables were pre-released on April 5. Various Project Advisory Group members agreed to review and comment on the deliverables in the pre-release stage.
- On April 30, an IECSA Workshop Web conference was held to update the Steering Committee members with the project. The Web con was attended by representatives from NYPA, LIPA, EdF, and We Energies.
- Work continued on development of remaining domain templates; refinement of requirements import process including normalization of terminology in the templates; and revising the pre-release deliverables as comments are received.

Open Communications Architecture for Distributed Energy Resources in Distribution Automation project

- CEIDS hosted the Institute of Electrical and Electronics Engineers (IEEE) P1547 Standards Working Group meetings in San Francisco, California on April 20 - 22, 2004. Project manager Frank Goodman is chair of the P1547.3 group. Frank was requested to present an overview and the current results of the Distributed Energy Resources/Advanced Distribution Automation Standards Project to the working group. The current results are available on the web site at www.linkify.com for use by the working group in writing the standard document.

Please join us:

CEIDS Steering Committee Meeting

June 29-July 1, 2004
EPRI Office, Wash., DC

June 29, morning
CEIDS Technical Review Session

June 29, afternoon
CEIDS Digital Technology Advisory Council

June 30, 2004
The Main Event:

Part 1: Business

Part 2: Program

Part 3: Planning Activities

Part 4: Sustaining Partners Status

July 1, 2004
8:30 am – Summary of Previous Day

8:45 am – Executive Session

11:00 am - Adjourn

- Frank Goodman also convened and ran the inaugural meeting of International Electrotechnical Commission (IEC) Working Group 17 under Technical Committee 57, in Stockholm on April 26 - 29. This is the working group that was approved by IEC that used the Distributed Energy Resources/Advanced Distribution Automation 2003 draft object models as a supporting document.
- Work on the 2004 studies on Distributed Energy Resources in Advanced Distribution Automation with abnormal operation conditions and the development of a laboratory test plan for testing of object models are continuing.
- A Project Advisory Group Web conference was held on May 11 to report on the standards working group meetings.
- Next stakeholders and technical meeting is scheduled for June 22 - 24, 2004, to be held at Pacific Northwest National Laboratory in Richland, WA.

Fast Simulation and Modeling

- Completed the High-level Requirement Specifications working document and it's ready for Project Advisory Group review.
- Completed the selection of "stakeholders" candidates who are going to provide additional input to the system requirements and their comments will also be discussed during the October 5 workshop. The candidates were invited to join the project and participate in the June 2 webcast.
- Prepared for a technical "brainstorming" session on June 4 at ABB in Santa Clara, CA. The session resulted in the selection of the first requirement to be fully analyzed (voltage management).
- The paper on the preliminary stages of the project was accepted by the IEEE PSCE 2004 selection committee.
- On May 4, a Web conference was held to answer Steering Committee members' questions on the Distribution Fast Simulation and Modeling proposal, per their requests during the March Dallas meeting. The Web conference was attended by representatives from ConEd, EdF, We Energies, TXU, and PPGC.
- As a follow-up to the May 4 Web conference, an electronic vote resulted in a motion to approve \$100K in funding for Distribution Fast Simulation and Modeling as soon as additional, new 2004 funding becomes available. Funding of \$344K for 2005 is authorized using funds anticipated from existing long-term contractual commitments as recorded for 2005. This amount will be increased to \$444K if no funds

Check Us Out!

We will be making appearances at the following conferences:

Open Communications Architecture for Distributed Energy Resources in Distribution Automation Stakeholders and Technical Meeting

June 22-24, 2004
Pacific Northwest National Laboratory
Richland, WA

2nd International Conference on Computer Science and its Applications (ICCSA-2004)

June 28-30, 2004
San Diego, CA

International Conference on Computing, Communication and Control Technologies (CCT 2004)

August 14-18, 2004
University of Texas at Austin
Austin, TX
Paper on FSM submitted by Marek Samotyj and Peter Hirsch

Transmission Fast Simulation and Modeling Workshop

October 5, 2004
EPRI Auditorium
Palo Alto, CA

IEEE Power Engineering Society's 2004 Power Systems Conference & Exposition

October 20-13, 2004
Grand Hyatt Hotel
New York City, NY

are secured in 2004. The motion was approved with seven votes out of nine participants.

Consumer Portal

- A Project Advisory Group Web conference was held on March 15 to discuss project results and project next steps, in preparation of the March Steering Committee. The minutes are available on www.linkify.com.
- The project was divided into 5 Tasks: (1) Requirements Definition Document; (2) Reference Design for Demand Response Functions; (3) Object Model Definitions for Demand Response; (4) Prototype Implementations; and (5) Stakeholder Engagement and Standards Participation.
- The project plan and approach was presented on May 14 to the Project Advisory Group members. The minutes are available on www.linkify.com.

OTHER WEB CONFERENCES

- On April 23, a Web conference was held with the Steering Committee members to clarify the CEIDS budget. The Web con was attended by representatives from EdF, NYPA, SRP, DOE, PPGC, LIPA, BPA, We Energies and CEC.

If you need more information or have comments, please direct them to Marek Samotyj at marek@e2i.org or 650-855-2980. Details of CEIDS activities calendar can be found on www.linkify.com, CEIDS Updates/Mark Your Calendars folder.

About E2I

The Electricity Innovation Institute (E2I) is a non-profit, public-benefit organization designed to conduct strategic, breakthrough R&D in electricity-related science and technology. It is affiliated with, and draws upon the technical expertise of EPRI, which has 30 years of experience conducting research on the electric generation and delivery system. Through the creation of public/private partnerships (including industry, federal and state governments, and foundations), E2I in collaboration with stakeholders, supports and directs science and technology innovation in electricity supply, delivery, and utilization.

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