



Information and Communication Technology (Pi61) Newsletter

December 2024

Dear ICT Program Advisors and Stakeholders,

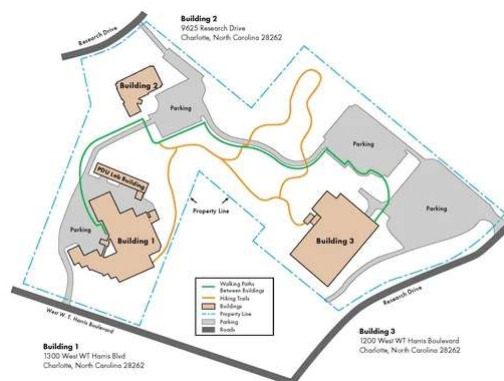
As we close out 2024 and reflect back on opportunities, challenges, and accomplishments we are grateful for the collaboration that we have with all of our utility members and want to wish you a very Happy Holiday Season!

We look forward to a new year with new opportunities to provide value to our members, their customers, and society as a whole.



Left: EPRI Charlotte Office

Below: Map of EPRI Charlotte Campus



ED & CS Distribution and ICCS Winter 2025 Advisory and Sector Council Meetings

WHEN

Advisory: February 3 - 6, 2025

Sector: February 5 - 6, 2025

WHERE

EPRI - Charlotte, Building 3
1200 West WT Harris Blvd., Charlotte, North Carolina, 28262, USA

Meeting Registration

REGISTER EARLY!!

Please note that EPRI.com will be down for system updates December 20, 2024, through January 8, 2025, which will suspend our event registration sites during that window of time. Event registration sites will be back up and available beginning January 9, 2025. We would like to take this opportunity to encourage you to register early!



Hotel Room Block
Hilton Charlotte University Place
18629 JM Keynes Dr.
Charlotte, NC 28262

EPRI Rate: \$159
Government Rate: \$129

[*Limited government rooms available](#)

**Cut-off Date for Guaranteed Rate:
January 20, 2025**

Book Hotel Room at EPRI Rate Here

Season's Greetings!

Matt Wakefield



ICT Emerging Technologies and Technology Transfer (161A)

Project Set Manager: Sean Crimmins

scrimmins@epri.com

Looking Toward 2025

We are pleased to announce that our "3rd Thursday" Emerging Technology Webcast series will continue in 2025. See below for the list of upcoming dates, and which Pset will be featured each month. Specific topics are determined through polling of attendees each month for the next webcast.

2025 161A Monthly Webcast Schedule

- January 16th: DER Data & Connectivity
- February 20th: Enterprise Architecture
- March 20th: Advanced Metering
- April 17th: Telecommunications
- May 15th: Geospatial Informatics
- June 19th: ICT Mid-Year Update/Review
- July 17th: DER Data & Connectivity
- August 21st: Enterprise Architecture
- September 18th: Advanced Metering
- October 16th: Telecommunications
- November 20th: Geospatial Informatics
- December 18th: ICT End of Year Review

These webcasts are held from 2:00 - 3:00 pm ET/11:00 - 12:00PT on the third Thursday of each month (unless otherwise noted).

Previous "3rd Thursday" webcast recordings and presentations can be accessed on the EPRI.com Events page for Program 161 or use [this link](#) to take you there. You must log in as a member to access the meeting resources.

Any questions regarding the "3rd Thursday" series or to be added to the email invitation distribution list, please contact Tristen DeAngelo-Hicks at tdeangelo-hicks@epri.com.

2024 Research Results

Here is a handy link to all the [ICT Program Research Results](#) and here are some recent deliverables from the last month:

- [Low-Latency and Performance Assessment of 5G for Utility Use Cases](#)
- [Strategic Fiber Guidebook: 2024 Edition](#)
- [Satellite and Emergency Communication 2024 Update: Additional Testing of Starlink for Utility Use Cases](#)

- [Smart Grid Communications Intelligencer, 2H 2024](#)
 - [DER Protocol Reference Guidebook – 8th Edition](#)
 - [Geospatial Informatics Guidebook: Fifth Edition](#)
 - [Advancements and Applications of Direct Current Metering in Modern Energy Systems](#)
 - [Continuous Meter Replacement in Heterogenous Systems](#)
 - [Device Language Message Specification and Companion Specification for Energy Metering for North American Utilities](#)
 - [Considerations for Utility Communications Strategy](#)
 - [Summary of Interoperability Tracking and Reporting by the ICT Program in 2024](#)
 - [Private Long-Term Evolution Guidebook: Sixth Edition 2024](#)
 - [Geospatial Innovations](#)
 - [Geospatial Guidebook: User Training](#)
 - [Utility Digital Worker Initiative Case Study Compendium: Overviews of the Digital Worker Generation, Transmission and Distribution Case Studies](#)
 - [Business Capability Model Guidebook for Business Capability Model Phase II](#)
 - [Library of Enterprise Architecture Patterns: LEAPworx, 6th Edition](#)
 - [Utility Business Capability Guidebook, Third Edition](#)
 - [TVA Data Ingestion](#)
 - [Integrating Islandable Communications Networks into Resilient Microgrids: Lab Test Results](#)
 - [Cloud Integration Guidebook, 9th Edition: A Guide for Enterprise Architects](#)
 - [Utility Enterprise Architecture Guidebook, 9th Edition](#)
 - [Common Information Model Primer: Tenth Edition](#)
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DER Data and Connectivity (161D)

Project Set Manager - Ben Ealey

bealey@epri.com



Enterprise Architecture & Integration (161E)

Project Set Manager: Sean Crimmins

scrimmins@epri.com

Advanced Metering Systems (161F)
Project Set Manager: Edward J. Beronet
eberonet@epri.com



Telecommunications (161G)
Project Set Manager: Tim Godfrey
tgodfrey@epri.com



Geospatial Informatics (161H)
Project Set Manager: Kevin Gorham
kgorham@epri.com

Supplemental Project Notification

[AI/EPRI Supplemental: AI for the Modern Energy Company](#)
[Applied Grid Model Data Management \(GMDM\) for Distribution](#)
[Applied Grid Model Data Management \(GMDM\) for Transmission](#)
[Assessing the Use of Voice Assistants for Industry](#)
[Assessment of DER-Ready Meter Forms](#)
[Assessment of the Matter Protocol for Utility Applications](#)
[Business Capability-Based Investment Optimization \(BCM Phase II\)](#)
[Data Management Collaborative: Surviving the Data Avalanche](#)
[Enhanced Surveillance Over Wireless](#)
[Enterprise Architecture Maturity Assessment](#)
[EPRI U - Information, Communication Technology and Cyber Security \(ICCS\)](#)
[Evaluation and Economic Feasibility Analysis of Commercial DER Gateways](#)
[Evaluation of Automated GIS Data Cleanup Methods](#)
[Field Asset Unique Identification System](#)

[FLEXIT: Flexible Interoperable Technologies Initiative: VPP/DER Registry and Integration Interface](#)
[Grid Model Data Management \(GMDM\) Vendor Forum Phase II: An EPRI-Sponsored Vendor-Funded Collaborative Initiative](#)
[Grid Model Manager \(GMM\) for Distribution Interest Group](#)
[Grid Modernization Strategic Roadmapping](#)
[Nationwide Resilient Communications System \(NRCS\): Phase 1: Requirements Definition and Design Specification](#)
[Next Generation Metering – Distributed Intelligence](#)
[Next Generation Wireless Local Area Network \(WLAN\)](#)
[Renewables Communications: Use Cases, Communications Technologies, and Implementation Considerations](#)
[Utility Digital Worker Collaborative](#)



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Other Information

[2024 ICCS Quick Reference Guide](#)
[2024 Webcast Schedule](#)
[ICT Roadmap](#)
[2024 ICT Area Review](#)

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By registering for an EPRI event, you will be asked to read and agree to the [Event Participation Consent](#).

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