



Program 161: Information and Communication Technology

2025 Deliverables

To access any of these deliverables, click on the hyperlink. Publicly accessible documents have been outlined as **PUBLIC**.

Project Set 161A: Emerging Technologies and Technology Transfer

Product ID	Portfolio Year	Title
3002032382	2025	Summary of Interoperability Tracking and Reporting by the ICT Program in 2025 – 3rd Thursday Webcasts

Project Set 161D: DER Communication and Data Integration

Product ID	Portfolio Year	Title
3002031779	2025	Distributed Energy Resources Interoperability Guidebook - 2025 Edition: Information and Case Studies to Support Utilities in Achieving Interoperability with Distributed Energy Resources and Demand Flexibility
3002031737	2025	Distributed Energy Resources Non-Interoperability and How We Fix It: EPRI Findings and Action Plan PUBLIC
3002032119	2025	EPRI Protocol Reference Guidebook - 9th Edition: Annual Assessment of Protocols and Profiles for Achieving Grid Flexibility from Distributed Energy Resources (DER), Electric Vehicles, and Demand Flexibility Technologies
3002034046	2025	Interoperability at Scale: The Hidden Complexity of IEEE 2030.5 Certificates
3002032121	2025	Interoperability Guidance for Utility Technical Interconnection Requirements
3002031781	2025	IoT Technologies for Distributed Energy Resources - 4th Edition: Information, Case Studies, and Lab Evaluations of

		<u>IoT-Based Connectivity, Distributed Messaging, and Integrated Platform-As-A-Service Solutions</u>
3002032120	2025	<u>Smart Meters with Internal Wi-Fi for DER Integration Challenges: Challenges and Research Needs for DER-Ready AMI Platforms</u>
3002032123	2025	<u>Where Small Worlds Collide: Navigating the EV Protocol Universe</u>

Project Set 161E: Enterprise Architecture and Integration

Material ID	Portfolio Year	Title
3002034222	2025	<u>2025 EPRI Utility Business Capability Model (Public Version)</u>
3002034291	2025	<u>AMI Strategy Development for NECOM, South Africa</u>
3002032396	2025	<u>Architectural Impacts of Disruptive Technologies: Sixth Edition</u>
3002032388	2025	<u>Cloud Integration Guidebook, 10th Edition: A Guide for Enterprise Architects</u>
3002032389	2025	<u>Common Information Model Primer: Eleventh Edition PUBLIC</u>
3002032400	2025	<u>Data Management Guidebook: 1st Edition</u>
3002032391	2025	<u>Digital Transformation: Information Technology-Operational Technology Convergence Guidebook, Eight Edition</u>
3002033634	2025	<u>Distributed Energy Resource Management System Functional Reference Architecture: A Collaboration with Seattle City Light</u>
3002032387	2025	<u>Library of Enterprise Architecture Patterns: LEAP Worx, 7th Edition</u>
3002031694	2025	<u>Puget Sound Energy Distribution Grid Model Data Management: Deep Dive Analysis</u>
3002032386	2025	<u>Top Ten Indicators of Enterprise Architecture (EA) Maturity-2024 Results</u>
3002032397	2025	<u>Utility Business Capability Guidebook, Fourth Edition</u>
3002032390	2025	<u>Utility Business Capability Model 2026</u>
3002032383	2025	<u>Utility Enterprise Architecture Guidebook, 10th Edition</u>

Project Set 161F: Advanced Metering Systems and SCADA

Material ID	Portfolio Year	Title
3002032217	2025	ANSI Meter Standards Utilization: 2nd Edition
3002034291	2025	AMI Strategy Development for NECOM, South Africa
3002032222	2025	Considerations for Incorporating Substation Meters into Advanced Metering Infrastructure Platforms
3002034256	2025	Next Generation Metering - Distributed Intelligence
3002032219	2025	The Evolution of Advanced Metering Infrastructure System Functions

Project Set 161G: Telecommunications

Material ID	Portfolio Year	Title
3002032228	2025	6 GHz AFC Protection: Field Test Results - 2025
3002032233	2025	Low-Latency Testing of 5G for Utility Use Cases
3002032234	2025	Network Management Guidebook: 2025 Edition
3002032232	2025	Private Long-Term Evolution Guidebook - A Guidebook on Cellular Communications for Utilities: Seventh Edition 2025
3002032236	2025	Satellite and Emergency Communication: Phase 3 - 2025
3002032235	2025	Security and Resiliency of Utility Critical Communications Infrastructure for Microgrids
3002032239	2025	Smart Grid Communications Intelligencer, 1H 2025
3002032241	2025	Smart Grid Communications Intelligencer, 2H 2025
3002032231	2025	Strategic Fiber Guidebook: 2025 Edition
3002032240	2025	Telecommunication Standards Guidebook V7 2025
3002032229	2025	Wide Area Network (WAN) Modernization Guidebook: 2025 Edition

Project Set 161H: Geospatial Intelligence

Material ID	Portfolio Year	Title
3002033349	2025	Asset Unique Identification System
3002032165	2025	Digital Twin Case Studies and Takeaways from Industrial Immersive 2025
3002032160	2025	Geospatial Informatics Guidebook: Sixth Edition
3002032163	2025	Geospatial Intelligence Adds New Dimensions to Utility Situational Awareness

3002032162	2025	<u>GIS Data Quality State-of-the-Art: Machine Learning and Artificial Intelligence</u>
3002031800	2025	<u>Mapping Electrical Distribution: Suitability of Collection Methods and Data Types for Assets</u>