



U.S- Africa Rural Electrification and Smart Metering Standards

Workshop

January 18 and 19, 2022

8:00 am – 12:15 pm EST

3:00 pm– 7:15 pm (GMT+2)

Virtual Seminar

Day 1: January 18, 2022

Time	Event
08:00	<p>Introduction and Opening Remarks</p> <ul style="list-style-type: none"> Gretchen Krantz Evans, Country Manager for the Middle East and North Africa, USTDA Bernard Modey, President, AFSEC Sharon Okello, Program Manager, ANSI
08:30	<p>Panel 1: State of Play in African Standards <i>An overview of ongoing AFSEC technical committee workstreams and relation to key developments in the energy sector on the African continent.</i></p> <ul style="list-style-type: none"> Comfort Masike – ATC 8 Don Taylor – ATC 13 Dr. Omar Gatera – ATC 57 Geoffrey Kaila – ATC 82
09:30	<p>Panel 2: African Continental Free Trade Agreement <i>Overview and Impacts of AfCFTA, particularly as it relates to AFSEC.</i></p> <ul style="list-style-type: none"> Margaret Lungu, Advisor Quality Infrastructure/ TBT, Pan African Quality Infrastructure (PAQI)
10:00	Health Break
10:15	<p>Next we have Panel 3: presentations will focus on Panel 3: Smart Metering in African Context – panelists will provide cases studies and their experience with Standards of Installation and Operation from across the continent <i>Case studies and experience from across the continent. A discussion of critical standards, policy frameworks, and existing security and operational standards for metering.</i></p> <ul style="list-style-type: none"> Urenna Onye-wu(a)chi, Lead Consultant, Anneru Solutions Incorporated Ken Boyce, Principal Engineer Director for Energy & Power Technologies, UL Tony Field, Associate Director of Standards, Itron Daniel Schnitzer, CEO, SparkMeter



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11:00	<p>Panel 4: Critical Communication and Cyber Security <i>This session will focus on cyber security in telecommunications and other grid infrastructure.</i></p> <ul style="list-style-type: none"> • Lawrence Jones, Vice President, International Programs, Edison Electric Institute • Chris Martin, Principal for Policy Innovation, Head of North America, Access Partnership • Steve Griffith, Senior Industry Director, Transportation Systems and Cybersecurity, National Electrical Manufacturers Association (NEMA)
12:00	<p>Close of Day 1</p> <ul style="list-style-type: none"> • Gretchen Krantz Evans, Country Manager for the Middle East and North Africa, USTDA • Omneya Sabry, AFSEC, Executive Secretary

Day 2: January 19, 2022

Time	Event
08:00	<p>Open Day 2</p> <ul style="list-style-type: none"> • Gretchen Krantz Evans, Country Manager for the Middle East and North Africa, USTDA
08:15	<p>Panel 5: Quality Assurance Framework for Mini-grid Systems <i>An overview of the NREL Quality Assurance Framework and pilot programs in East and West Africa.</i></p> <ul style="list-style-type: none"> • Ian Barring-Gould & Tim Reber, National Renewable Energy Laboratory (NREL) • Dr. Brian Isabirye, Commissioner for Renewable Energy, at the Ministry of Energy and Mineral Development, Uganda • Charlotte Kyohairwe, Senior Legal Officer Enforcement, Legal & Authority Affairs Department, Electricity Regulatory Authority of Uganda



09:15	<p>Panel 6: Best Practices and Lessons Learned from Across Africa – Mini-grid Policies and Standards to Support Success <i>Case Studies and experiences from across the continent. Discussion of policies and standards that support the proliferation of high-quality and safe energy systems.</i></p> <p>Moderator: Dr. Pepin Tchouate, Senior Regional Policy & Regulatory <i>Offgrid</i> Advisor, Power Africa Off-gird Project</p> <ul style="list-style-type: none"> • Christopher Hornor, Founder and CEO, PowerHive • Melissa Govender, Senior Policy Manager for the African continent, Access Partnership • Imre Gyuk, Director of Energy Storage Research in the Office of Electricity, Department of Energy (DOE) • Mitchell Guthrie, Senior Engineer, USNC to the IEC (Lightning Protection)
10:15	<p>Health Break</p>
10:30	<p>Panel 7: EAPP Regional Power Interconnections – Experiences from East Africa <i>Discussion of challenges and lessons learned from the Eastern Africa Power Pool (EAPP) and considerations for interconnection design.</i></p> <ul style="list-style-type: none"> • Bob Stuart, Principal, Stuart Consulting LLC • Bob Streich, Independent Consultant, RFS Utility Consulting
11:00	<p>Panel 8: Regional Power Interconnections – Challenges and Solutions for Grid Interconnection and Network Stability <i>Discussion on challenges and standards solutions for new and existing regional interconnections to improve stability, sustainability, and safety.</i></p> <ul style="list-style-type: none"> • Bob Stuart, Principal, Stuart Consulting LLC • Bob Streich, Independent Consultant, RFS Utility Consulting • Mark Siira, Chair of IEEE Standards Coordinating Committee 21 – IEEE Coordinating Committee on Interconnection and Smart Grid Interoperability
11:45	<p>Panel 9: The Key Role of Meters in Building the Grid of the Future in Africa <i>Experiences from across the continent. Discussion of policies and standards that support the proliferation of high-quality and safe energy systems.</i></p> <p>Moderator: Dr. Carolina Barreto, Senior Technical Advisor, Power Africa Off-gird Project</p> <ul style="list-style-type: none"> • Emily McAteer, Co-Founder & CEO, Odyssey • Headley Jacobus, Renewable Energy Manager, Tetra Tech • Rinaldo Cunha, Senior Customer Solutions Manager, Itron • Daniel Schnitzer, CEO, SparkMeter



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12:30	<p>Closing Remarks</p> <ul style="list-style-type: none">• Gretchen Krantz Evans, Country Manager for the Middle East and North Africa, USTDA• Omneya Sabry, Executive Secretary, AFSEC• Sharon Okello, Program Manager, ANSI
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