

Wi-SUN FAN Becomes First Wireless Mesh Network Standard Adopted by ISO/IEC

ISO/IEC/IEEE 32857:2026 recognition removes procurement barriers for utilities & smart cities, accelerates adoption of standards-based wireless mesh networking

BEAVERTON, OR, UNITED STATES, July 7, 2026 /EINPresswire.com/ -- The [Wi-SUN Alliance](#), the global ecosystem promoting open, secure, and interoperable wireless mesh networking for utilities and smart cities, today announced that the Wi-SUN Field Area Network (FAN) specification has been formally ratified as ISO/IEC/IEEE 32857:2026. The designation makes Wi-SUN FAN the first wireless mesh networking specification adopted as an ISO/IEC standard and provides utilities, municipalities and infrastructure operators with an internationally recognized framework for wireless mesh networking. This carries direct implications for utility operators, municipal governments, and infrastructure procurement agencies evaluating wireless networking technologies for critical field-area deployments.



Wi-SUN Alliance logo



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"When a specification carries ISO/IEC recognition, it signals to procurement officials, regulators and policymakers around the world that the technology has been vetted at the highest level," said Phil Beecher, president and CEO of the Wi-SUN Alliance. "Wi-SUN technology already supports some of the world's largest utility networks, including nationwide smart metering deployments in Japan and large-scale smart grid projects across North America, Europe and

Asia-Pacific, demonstrating that the technology is already proven at scale. ISO/IEC/IEEE 32857:2026 gives utilities, municipalities and infrastructure providers an internationally recognized standard they can rely on and reference when planning the next generation of critical infrastructure."

Only 3% of IEEE-originated specifications achieve ISO/IEC joint recognition, a distinction that reflects both the technical maturity of the Wi-SUN FAN specification and the strength of the open, consensus-based process behind it. For utilities and municipalities, it removes a significant procurement barrier: procurement officers and regulators can now reference an internationally ratified specification when evaluating or mandating smart grid and smart city connectivity solutions, rather than relying on industry-driven documentation alone.

"The Wi-SUN FAN specification was developed through exactly the kind of rigorous, consensus-driven technical process that ISO and IEC look for when evaluating IEEE work for joint adoption," said Gary Stuebing, Past Chair Entity Collaborative Activities Governance Board, IEEE SA. "What ISO/IEC/IEEE 32857:2026 tells the market is that this specification was built to last — designed with the depth and precision that implementers need to build global interoperable, certifiable solutions at scale."

The Wi-SUN Alliance provides the definitive testing and certification program for this specification, helping ensure products are compliant and fully interoperable in multi-vendor deployments. To learn more visit wi-sun.org/wi-sun-certification

About the Wi-SUN Alliance

The Wi-SUN Alliance is a global industry organization driving the adoption of interoperable wireless solutions for use in smart utilities, smart cities and the Internet of Things (IoT). Built on open, IEEE 802.15.4-based specifications, Wi-SUN Field Area Network (FAN) technology enables secure, scalable and resilient mesh networks for utility-scale infrastructure. With more than 350 member companies across 46 countries, the Wi-SUN Alliance supports a robust certification program that ensures multi-vendor interoperability. For more information, visit www.wi-sun.org.

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