

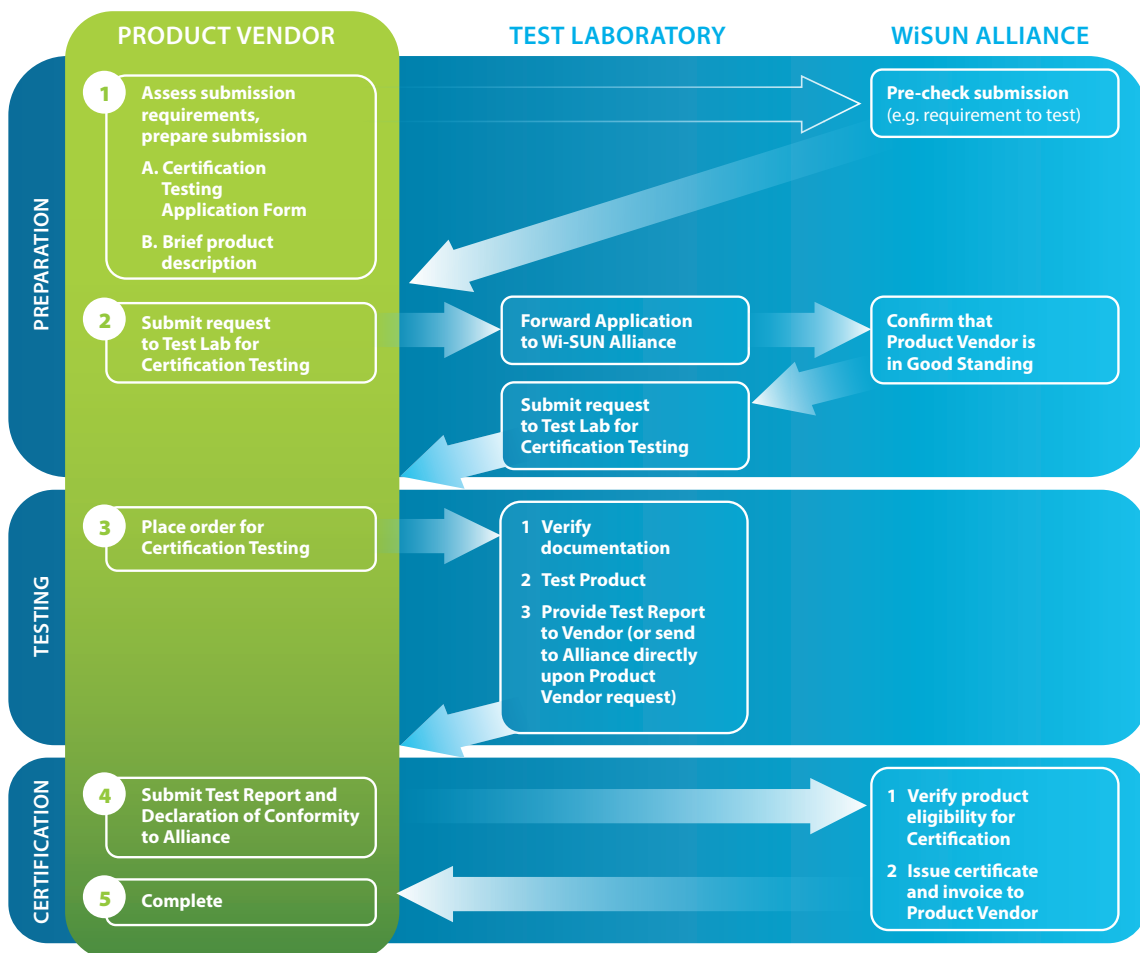


# Wi-SUN FAN™ Certification Program

## The Foundation For IoT End Device Interoperability

The Wi-SUN Alliance is a global non-profit member-based association made up of industry leading companies. Its mission is to drive the global proliferation of interoperable wireless solutions for use in smart cities, smart grids and other Internet of Things (IoT) applications using open global standards.

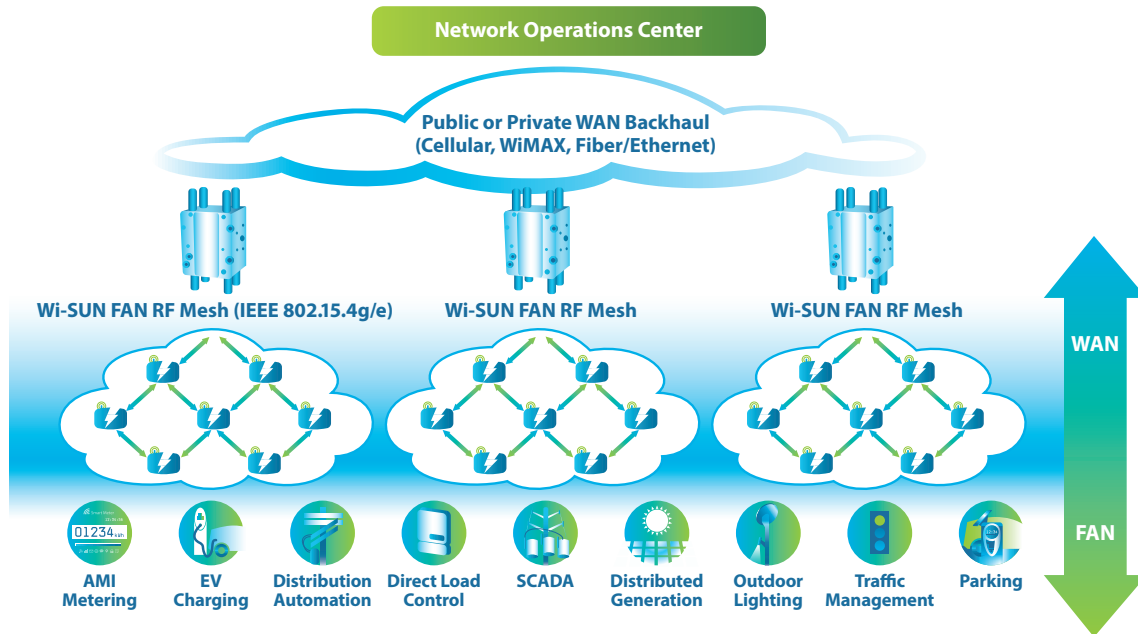
All Wi-SUN certified products are rigorously tested by a Wi-SUN appointed third-party test lab to ensure that devices work together effortlessly and securely for rapid time to market. Certified devices include a digital certificate to authenticate entry to a Wi-SUN FAN network, significantly reducing vulnerability to cyber-security threats.



# The Wi-SUN Alliance Field Area Network (FAN) Solution

## Interoperable Communications for IoT Device Connectivity

The Wi-SUN Alliance Field Area Network provides an interoperable, open standards-based communications infrastructure enabling IoT devices for a wide range of applications and from different manufacturers to connect onto a secure and resilient network. Typical applications for smart utility and smart city include those shown below.



- Enterprise class security using digital certificate based network access control, key distribution and frame security
- Easy to install and maintain through a self forming, self healing mesh network
- Network longevity due to open standards and multiple vendors
- Ability to scale easily to millions of nodes with optimal use of frequency band
- Reliable and resilient using mesh topology, multiple channels, and additional techniques delivering demonstrated interference tolerance
- Long range by using sub GHz RF
- Low latency and channel utilization by using high data rates
- Energy efficient: high data rates reduce transmission time and reduce energy consumption
- Low cost: using global open standards enables RF solutions from multiple silicon vendors
- A robust certification program covering the complete communications protocol stack guarantees multi-vendor interoperability

Reference the other side for the steps to follow to navigate the certification process.

For more information on the  
Wi-SUN FAN Certification Program  
please visit: [www.wi-sun.org](http://www.wi-sun.org)

