FiRa | The Power to Be Precise

ANNUAL REPORT

2025

FiRa Drives UWB Forward

From Specifications to Solutions

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Board Chair Message
FiRa Drives UWB Forward

As the new FiRa® Consortium Board Chair, I am honored to reflect on a milestone year for ultra-wideband (UWB) technology. In 2025, FiRa advanced its mission to drive global UWB adoption, strengthen certification and interoperability, and guide the industry from specification to deployment. These achievements mark a decisive step in UWB's evolution from emerging innovation to essential technology.

SK Yong
Chair of the FiRa Consortium
Apple, Inc.

Advancing Technical Standards and Certification

This year, FiRa released its Core 4.0 Specifications, reinforcing UWB's foundation for performance, interoperability, and security. The completion of the UWB-related certification for the Connectivity Standard Alliance's (Alliance) Aliro® features for access control demonstrates how FiRa's technical leadership enables real-world solutions. Development also continued on Hero Use Case profiles, including Public Transport Fare Collection, Untracked Navigation, and Asset Tracking—applications that show how UWB is moving from potential to practice.

FiRa remains focused on enabling end-to-end testing, certification, and deployment guidance for members. The introduction of Plugfests and deployment guides will streamline product development and help ensure certified devices operate seamlessly together. These efforts reinforce FiRa's position as the global hub for UWB certification and interoperability.

Collaboration Strengthens the Ecosystem

Collaboration remains central to FiRa's success. In 2025, FiRa deepened its partnerships with other standards and industry organizations, including the Car Connectivity Consortium® (CCC) for digital car keys, the Alliance for access control and smart home, and EMVCo® for secure payment applications. Together, these liaisons ensure that UWB evolves in harmony with complementary technologies, delivering consistent and secure user experiences across devices and industries.

FiRa also continued its advocacy for UWB Channel 9, protecting and promoting this critical spectrum to enable sustainable innovation. Through active engagement with global regulators and stakeholders, FiRa supports policies that allow UWB to thrive while highlighting the technology's growing socio-economic impact across markets.

Expanding Certification and Board Leadership

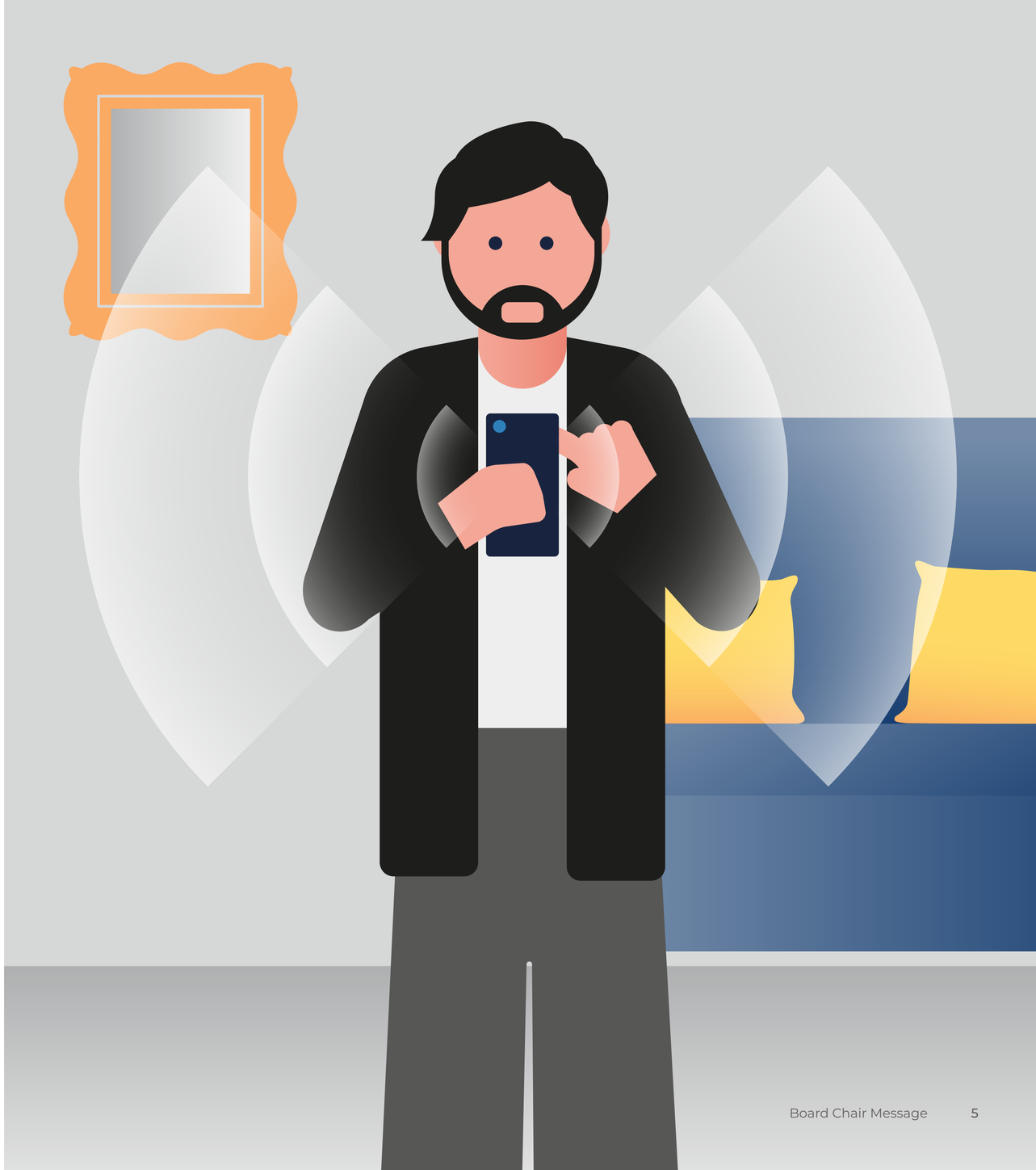
FiRa's certification program remains the cornerstone of its mission. In 2025, the number of certified devices, validated test tools, and authorized test labs continued to grow, giving developers the confidence to deliver interoperable UWB products worldwide.

The Consortium welcomed new leadership to its Board, including STMicroelectronics, Infineon, and Sony, whose expertise further strengthens FiRa's technical and strategic direction. This diverse group of industry leaders, spanning semiconductors through systems integrators, ensures that FiRa remains positioned to guide the next phase of UWB development and deployment.

Demonstrating the Power of UWB

2025 has been a year of proving UWB's potential in real-world environments. FiRa's Hero Use Cases illustrate how UWB is transforming daily experiences. For example, the public transport initiative demonstrates how FiRa technology enables secured, tap-free fare collection in high-density environments while maintaining compatibility with existing technologies such as NFC. These examples highlight UWB's precision, reliability, and security, as well as its ability to create more intuitive, connected experiences.

By continuing to encourage collaboration across industries, including chipmakers, device manufacturers, transportation companies, and payment organizations, FiRa is helping turn innovation into deployments and deliver measurable impact for users worldwide.



Looking Ahead: From Specifications to Solutions

As FiRa looks forward, the Consortium's focus is clear: finalize profile development, expand certification, and support Plugfests and deployment frameworks that help members bring products to market faster. The upcoming IEEE 802.15.4ab standard represents the next evolution in UWB technology, supporting enhanced interoperability and scalability.

FiRa will also advance work on our next Core and Framework, releases ensuring that its specifications remain forward-looking and aligned with industry needs. These initiatives reflect FiRa's continued transition from defining standards to enabling full-scale implementation, where UWB becomes a core component of modern connectivity.

A Shared Path Forward

FiRa's progress is made possible by the dedication and collaboration of its members. Each contribution, whether developing specifications, refining test cases, or promoting deployment, advances the UWB ecosystem and strengthens its impact.

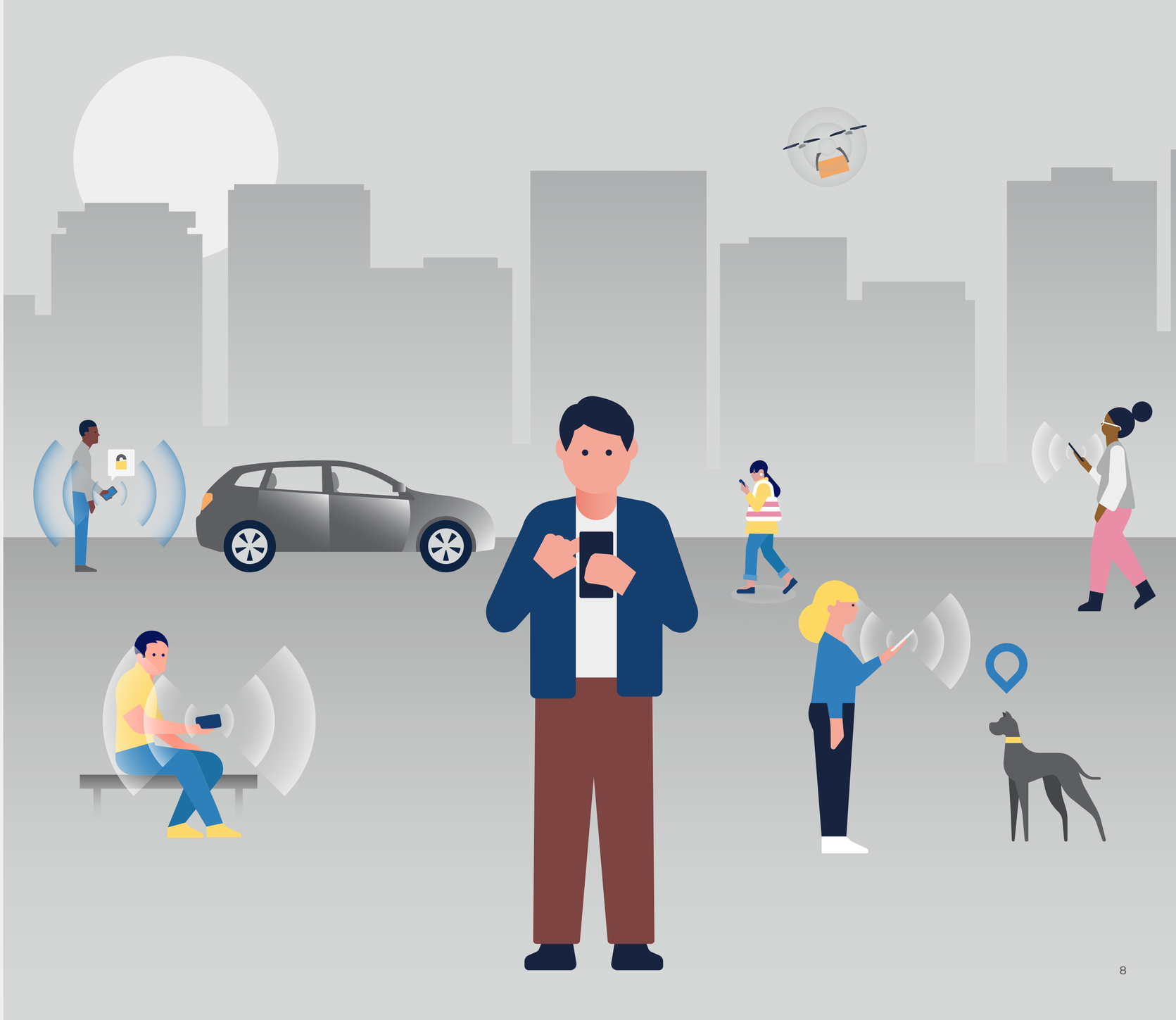
In 2025, UWB truly moved from promise to practice. As we enter 2026, FiRa remains committed to leading this transformation by expanding collaboration, ensuring interoperability, and helping industries unlock the full potential of secure, precise, and reliable wireless technology. Together, we are not only driving UWB forward but realizing its promise to connect and empower people everywhere.

Driving Ecosystem Evolution

Leading Through a Transforming Ecosystem

As global UWB adoption accelerates, FiRa continues to lead with standards that enable secure, interoperable, real-world solutions. FiRa Core 3.0 set a strong foundation for complex use cases, and with the **launch of FiRa Core 4.0**, the ecosystem gains new capabilities and flexibility. This supports broader deployment as UWB moves from emerging technology to a standard feature in devices, vehicles, and infrastructure worldwide.

The following section provides a high-level view of the market forces shaping this momentum—from expanding adoption and real-world deployments to important developments in spectrum policy and technology evolution. These trends reflect the broader environment in which FiRa members continue driving UWB forward.



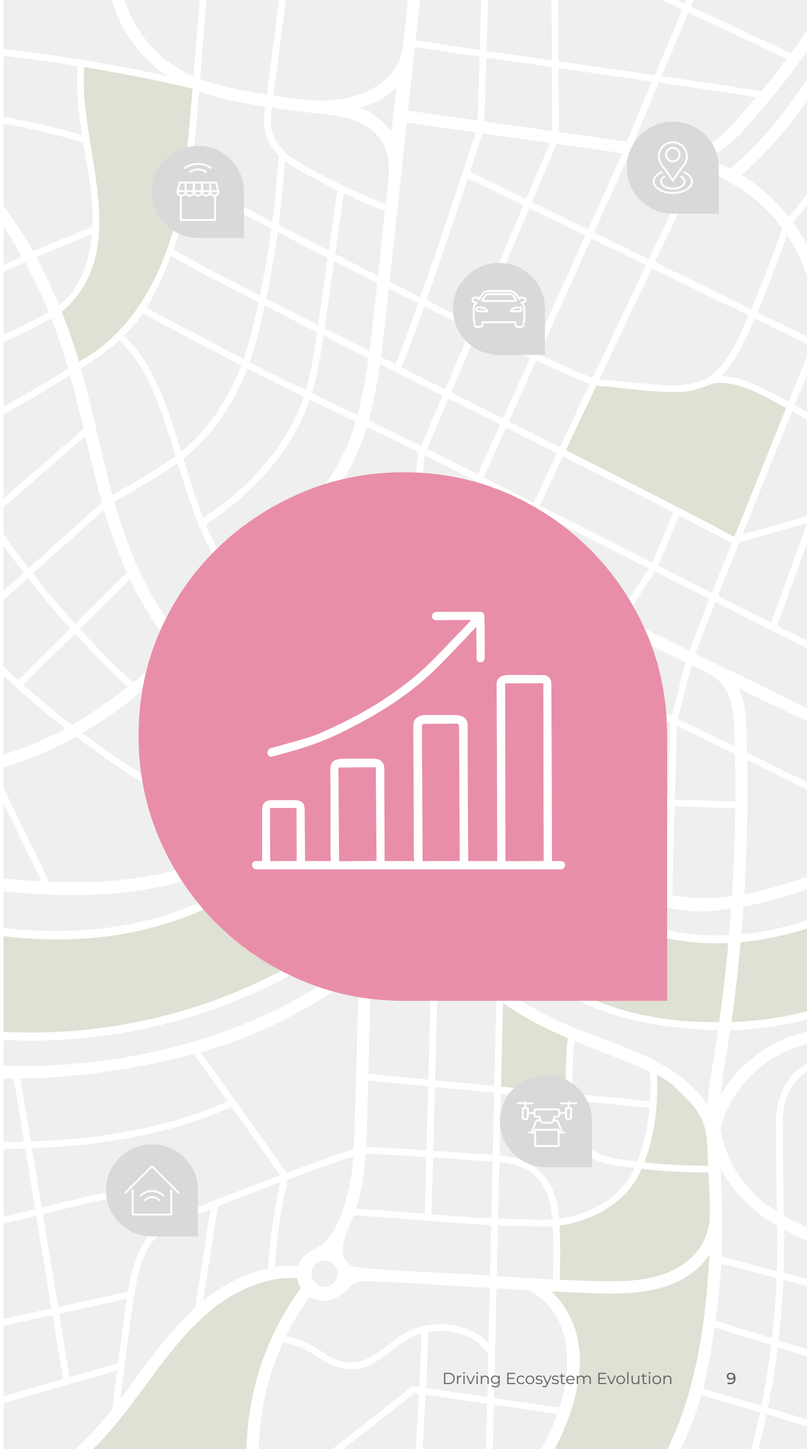
The Trends Steering Tomorrow's Global Landscape

UWB technology is expanding across industries, delivering both measurable economic value and strategic advantages. According to the 2025 FiRa-supported report, A Worldwide Assessment of the Socio-Economic Value of UWB, the projected annual economic impact of UWB by 2030 includes (in USD):

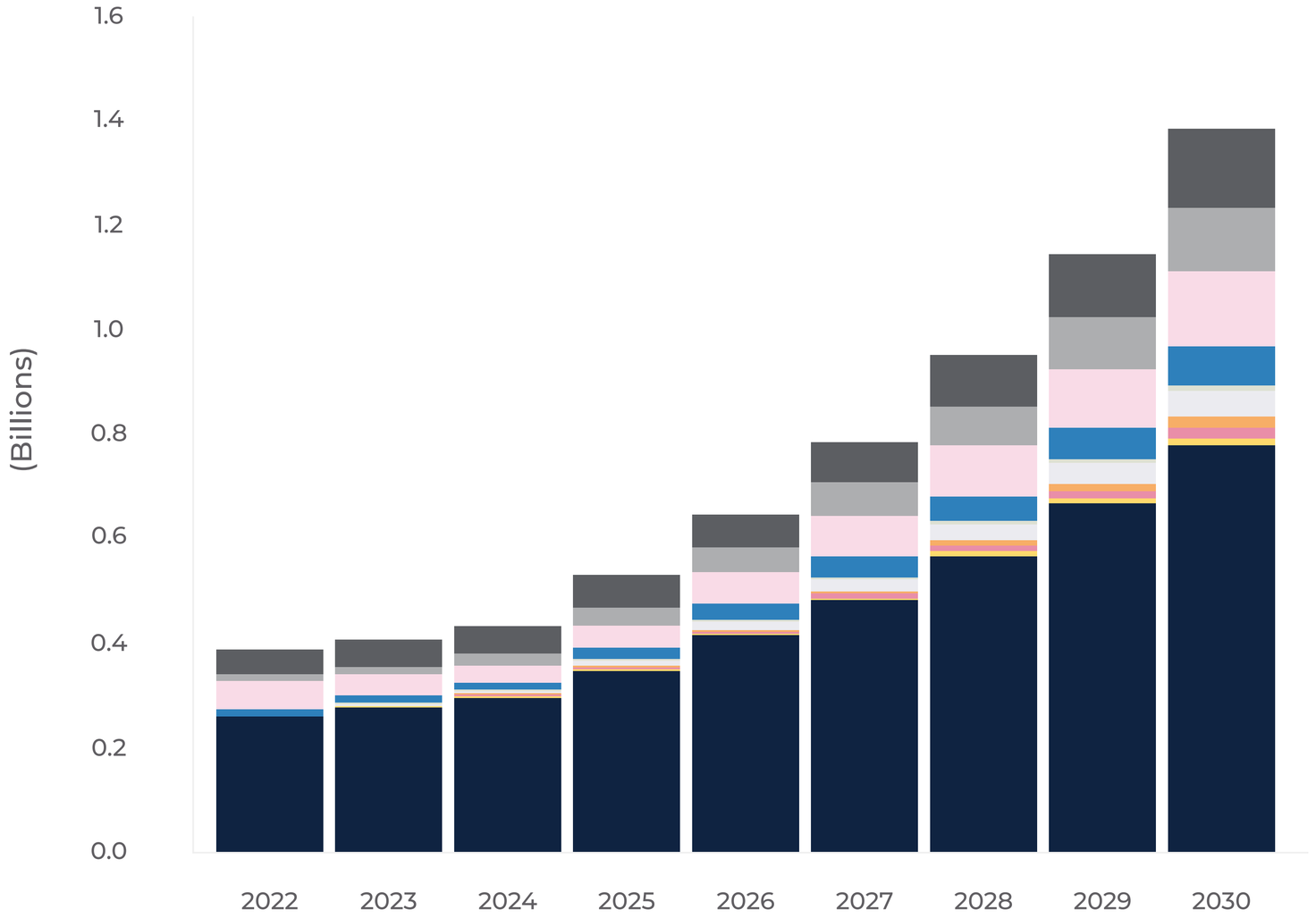
- **$36.8 billion total economic value**, made up of:
    - **$6.6 billion** in direct GDP contribution
    - **$15.3 billion** in producer surplus (enterprise efficiency)
    - **$14.9 billion** in consumer surplus (time, convenience, safety)
- **287,800 job-years** created globally between 2022 and 2030

This economic growth aligns with rapid global adoption:

- As of 2025, UWB is deployed in flagship smartphones, wearables, digital vehicle keys, industrial asset trackers, and smart infrastructure.
- Grand View Research estimates the market will grow from **$1.7 billion in 2023 to $4.4 billion in 2030**, with a **17–20% CAGR** depending on sector and region.
- ABI Research projects device shipments rising from **436 million in 2024 to nearly 1.4 billion in 2030.**
- North America currently leads adoption, while Asia-Pacific is expected to grow fastest, driven by manufacturing, logistics, and smart city initiatives.



UWB-Enabled Device Shipments, 2022 to 2030



ABI Research

UWB-Enabled Device Shipments

With FiRa continuing to advance certification, security, and interoperability standards, UWB is moving from isolated deployments to becoming a foundational layer for spatial awareness across global digital ecosystems.

- IOT Applications
- Automotive
- Wearables
- Smart Home
- Other Consumer Electronics
- Home Entertainment and Connected Home Devices
- Portable Consumer Electronics
- Networking
- PCs and PC Accessories
- Cellular

Real-World Momentum for Precision Connectivity

Real-world deployments are showing how UWB is moving from early innovation to everyday utility across access, mobility, and device-finding experiences. Together, these developments signal a broader shift toward spatially aware interactions becoming a standard expectation in connected products.

Collectively, these deployments illustrate how UWB is becoming a foundational layer for secured, precise interactions across devices, buildings, and vehicles.

Google has introduced Find Hub, the evolution of its Find My Device platform (similar to FiRa's Find Something use case), with support for nearby finding using UWB-enabled tags. This adds precise distance and directional guidance to item-locating features, marking a significant expansion of UWB into mainstream mobile ecosystems.

In access control, the **Connectivity Standards Alliance** is integrating UWB into its upcoming **Aliro** mobile credential standard, designed to support secured, hands-free door unlocking with consistent behavior across participating smart-lock manufacturers. This gives residential and commercial users higher security and more intuitive access experiences.

Automotive deployments continue to scale as the **Car Connectivity Consortium's Digital Key** standard uses UWB, alongside Bluetooth® LE and NFC, for secured passive entry and protection against relay attacks. By validating the location of an authorized device, UWB strengthens both convenience and safety.

Protecting the Spectrum That Powers UWB

With the 6 GHz spectrum now assigned to Wi-Fi in the U.S., Europe, and to International Mobile Telecommunications (IMT) services in China, attention within the UWB ecosystem has shifted to Channel 9 around 8 GHz. This band is widely valued for its favorable regulations and its importance to current and emerging UWB deployments. However, growing interest in additional spectrum for sixth-generation (6G) networks at the International Telecommunication Union (ITU) World Radiocommunication Conference 2023 (WRC-23) has introduced new pressure on this range and a clarification is required until the WRC-27.

Since then, FiRa's Regulatory Working Group (ReWG) has been actively defending UWB access in the Channel 9 band. In Europe, the group engaged with national administrations to highlight its importance to the wider ecosystem, thereby helping to reinforce regional understanding and support. In the U.S., the 7.4 to 8.4 GHz range remains outside Federal Communications Commission (FCC) auction authority until 2034, offering meaningful protection for UWB use in the coming years.

FiRa is now broadening these efforts globally. Working with several partner organizations—including the Car Connectivity Consortium—it is advocating for continued UWB access across the Asia-Pacific region through the Asia-Pacific Telecommunity (APT) and across the Americas through the Inter-American Telecommunication Commission (CITEL). These combined efforts aim to secure long-term, stable spectrum conditions that support UWB innovation worldwide.

The Next Generation of UWB: The Arrival of IEEE 802.15.4ab

The forthcoming IEEE 802.15.4ab standard represents a major advancement for UWB technology. ABI Research reports that the new standard will improve range, power efficiency, accuracy, setup, and discovery, while adding standardized sensing and enhanced data communications. These improvements enable longer-distance positioning, more robust performance, lower power consumption, and emerging use cases such as audio and advanced sensing.

FiRa is actively preparing the ecosystem for this transition. The Consortium has launched an initiative to integrate IEEE 802.15.4ab capabilities into future FiRa specifications, building on existing IEEE 802.15.4z features to ensure backward compatibility.

This work strengthens secure ranging and positioning across a wide variety of real-world applications and supports a consistent, interoperable UWB experience as devices and use cases scale.

The standard also creates an opportunity for closer industry alignment. FiRa is engaging with organizations advancing UWB technology to support interoperability and foster a unified approach to innovation. By helping members adopt the benefits of IEEE 802.15.4ab, FiRa is preparing the global ecosystem for higher performance, broader functionality, and the next generation of spatially aware solutions.

FiRa is actively preparing the ecosystem for this transition.

Progress Powering Industry Momentum

FiRa Drives a Year of Transformation

FiRa's growth and technical momentum were on full display this year, with major updates spanning leadership, specifications, security, research, and certification. Together, they underscore FiRa's role at the center of the UWB landscape. New board leadership and an engaged membership base have strengthened the organization, while the implementation of FiRa Core 3.0 has advanced the technical framework that supports secured, interoperable UWB experiences across various industries.

This progress was complemented by the release of the A Worldwide Assessment of Socio-Economic Value of UWB study, key advancements from the Security Working Group (SWG), deeper collaboration through formal liaisons, and continued expansion of certified devices, authorized test labs, and validated test tools. Taken together, these achievements reflect a maturing ecosystem and a consortium that is steadily shaping the future of precise, secured, and scalable UWB technology.

Advancing Together: FiRa Board Members

Over the last 12 months, the FiRa leadership structure has expanded with the election of a new Board Chair, a new Vice Chair, and the onboarding of three new board member companies, bringing strong leadership and a fresh perspective to the Consortium.

- SK Yong, Apple, Inc. – Board Chair
- Rias Al-kadi, STMicroelectronics – Vice Chair
- Ramesh Songukrishnasamy, HID – Treasurer
- Brian Redding, Qualcomm Technologies, Inc. – Secretary

- Chano Gomez, Qualcomm Technologies, Inc.
- Jerome Henry, Cisco Systems
- Vivek Jain, Bosch
- Sunil Jogi, NXP Semiconductors
- Kook Heui Lee, Samsung Electronics
- Roshan Pius, Google
- Björn Scharfen, Infineon Technologies
- Yo Tabayashi, Sony
- Guillaume Vivier, Qorvo, Inc.

Together, these leaders will help guide FiRa's strategic priorities, strengthen collaboration across the organization, and support the continued advancement of UWB worldwide.

Learn more about FiRa Consortium's Board of Directors

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Core 3.0 moved from publication to active implementation

FiRa Core 3.0 Begins Powering Real-World UWB Experiences

FiRa Core 3.0 marked an essential step forward for the UWB ecosystem in 2025, delivering clearer interoperability requirements, improved ranging performance and a more scalable framework for emerging use cases. Throughout the year, members across the value chain—from semiconductor vendors to solution providers and integrators—began implementing Core 3.0 features in preparation for broader deployments, strengthening multi-vendor compatibility and building confidence across the industry.

A major milestone was the advancement of FiRa's Public Transport Fare Collection Profile using hands-free, UWB-enabled ticketing, alongside the wider real-world adoption of Untracked Navigation, which demonstrated precise, privacy-preserving indoor positioning in complex environments. Together, these implementations showed how Core 3.0 can deliver seamless and secured user experiences without taps or screens, reinforce UWB's role in everyday mobility, and illustrate FiRa's leadership in guiding technology from specification toward practical deployment.

Beyond transportation and wayfinding, Core 3.0 activity continued across access control, mobile devices and industrial applications, with members validating features in test environments and preparing product updates. The specification also provided a strong foundation for advancing Hero Use Cases such as Asset Tracking. Collectively, these developments reflect a pivotal year as Core 3.0 moved from publication to active implementation, accelerating readiness for broader adoption across the ecosystem.

Core 4.0: Powering the Next Phase of UWB Innovation

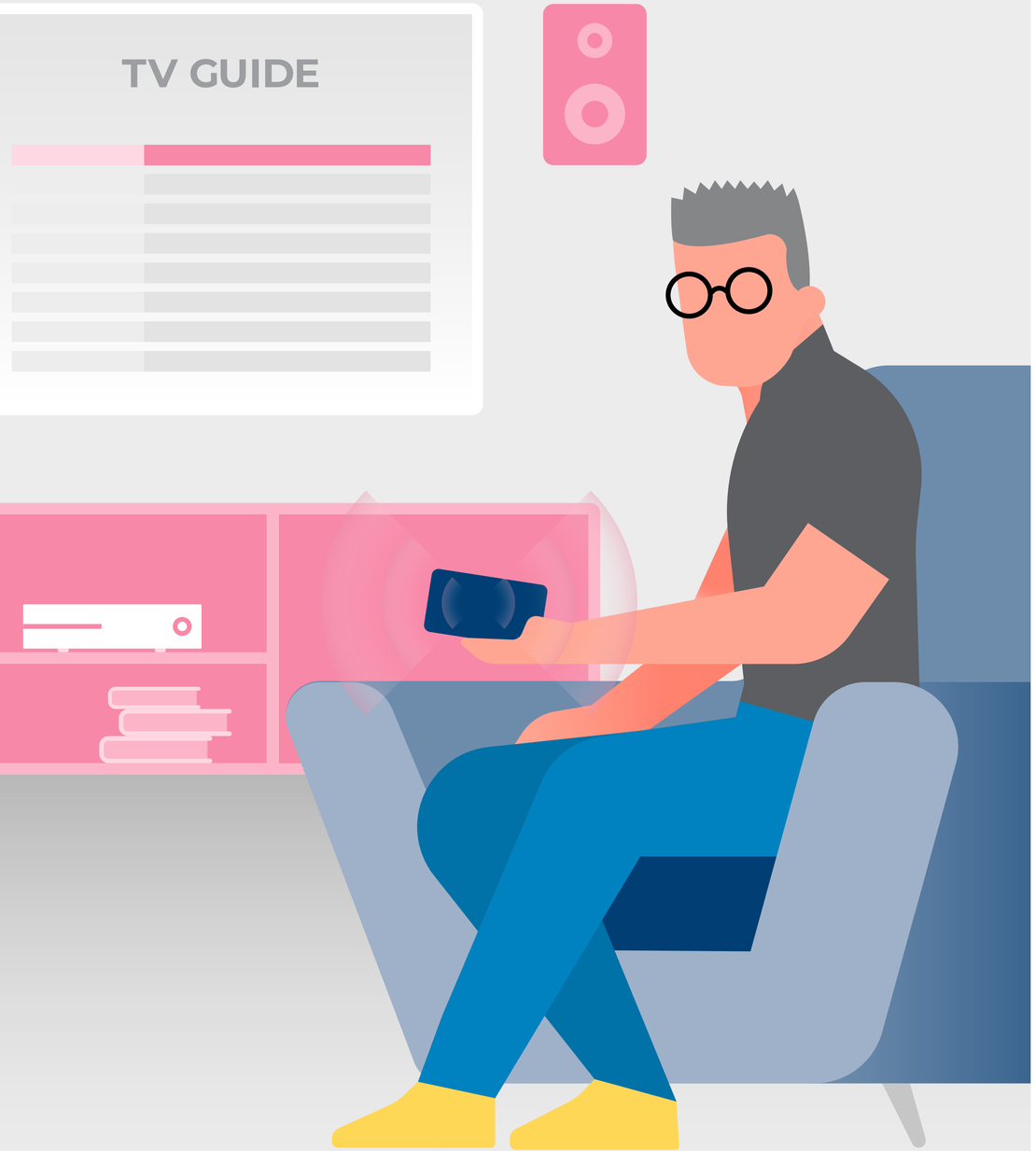
FiRa Core 4.0 marks a major milestone for the UWB ecosystem, completing the integration of IEEE 802.15.4z-2020 features needed to support FiRa-defined use cases and expand UWB interoperability across industrial and IoT environments. Released to FiRa members in November 2025, with public availability for nonmembers planned by mid-2026, Core 4.0 strengthens FiRa's technical foundation and enables new possibilities for precise, secured ranging and positioning in factories, warehouses, hospitals, and other high-value operational settings. Its development also reflects FiRa's ongoing collaboration efforts, including alignment with the Alliance's Aliro credential specification to foster a more cohesive UWB ecosystem.

The **FiRa Core 4.0 Specifications** introduce several important updates:

- **Uplink Time Difference of Arrival (UL-TDoA)**: Supports infrastructure-based asset tracking using UL-TDoA tags and anchors, optimizing power efficiency and deployment flexibility.
- **Suspend Ranging:** Allows Two-Way Ranging sessions to pause while maintaining synchronization for fast reconnection.
- **Support for Aliro UWB in UCI**: Updates the UWB Subsystem Command Interface (UCI) to enable testing of Aliro-defined UWB features.
- **Additional maintenance improvements** that extend functionality and ecosystem readiness.

The **FiRa Core Certification Program 4.0** brings these new capabilities into a modular certification pathway. Devices can certify individual features, while the program now includes UL-TDoA and the full scope of Aliro UWB features. Covering FiRa's physical (PHY), Medium Access Control (MAC), and Link Layer (LL), and interoperability testing, the program strengthens multi-vendor consistency and ensures that FiRa-enabled products can interoperate reliably across diverse environments.

Together, FiRa Core 4.0 Specifications and the updated Certification Program reinforce FiRa's role in advancing a unified, scalable UWB ecosystem—helping members bring interoperable products to market and supporting broader industry adoption.



Understanding the Global Impact of UWB

FiRa commissioned Telecom Advisory Services to conduct the first global, data-driven assessment of the economic and societal value of UWB. As the technology moves from early adoption into mainstream use, A Worldwide Assessment of Socio-Economic Value of UWB provides a comprehensive foundation for understanding how UWB delivers measurable impact across industries and regions through 2030. Developed to inform industry, policymakers, and technology leaders, the study examines UWB not only as a connectivity method but as a precision technology that enables systems that are smarter, more secure, and more efficient.

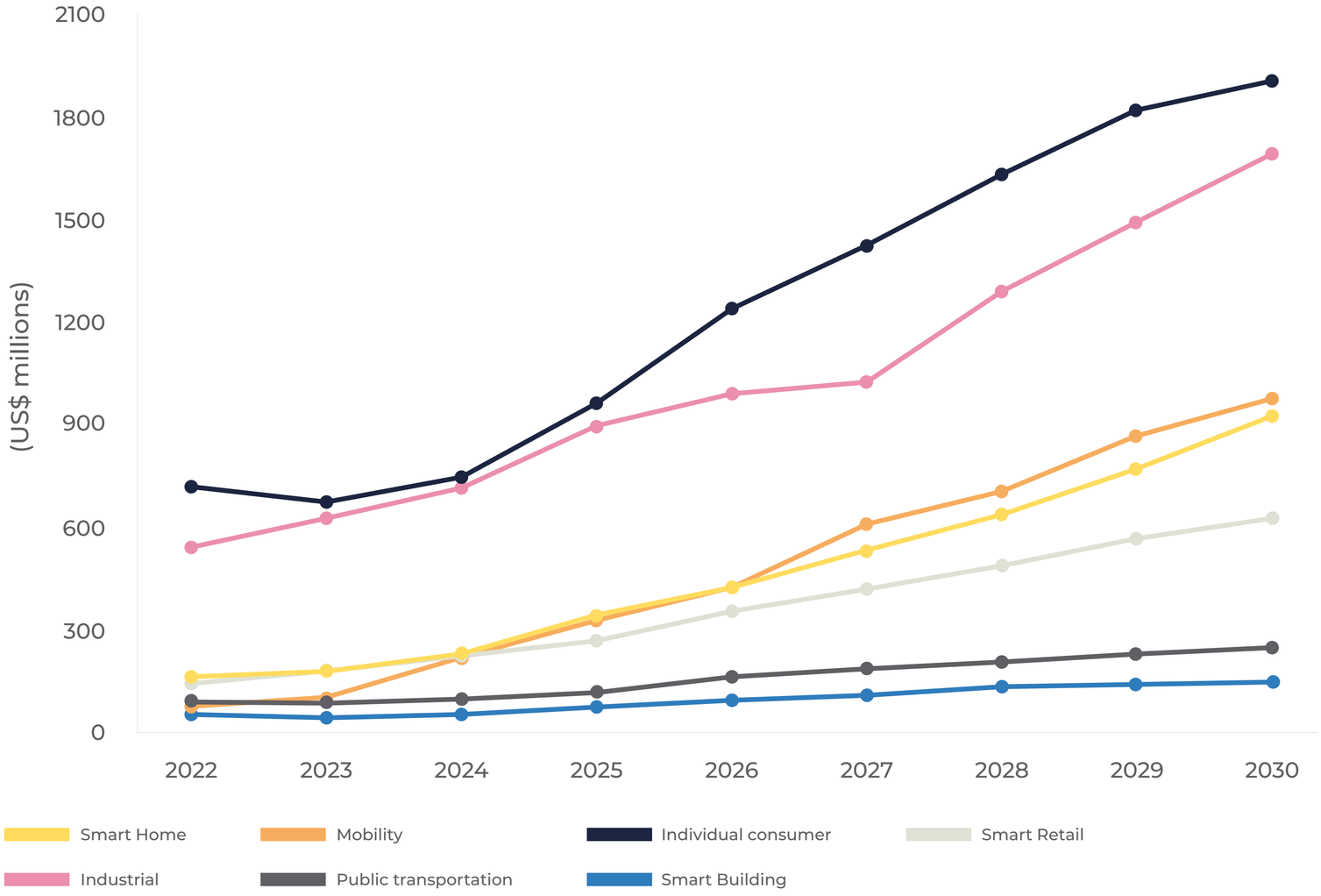
The study reveals that UWB is poised to generate significant economic value by 2030, driven by productivity gains, improved user experiences, and the expansion of location-aware capabilities. UWB-related GDP contribution is projected to rise from $1.8 billion in 2022 to $6.6 billion in 2030, with China expected to generate $2.5 billion and Europe approximately $1.1 billion. Software and integration revenues grow substantially as well, from $541 million in 2022 to $2.0 billion by 2030, underscoring the increasing value of UWB-enabled services.

The report highlights seven key application areas—from smart homes and mobility to industrial automation and public transportation—where UWB's precision, security, and reliability deliver meaningful advantages, including safety-critical use cases such as child-presence detection and emergency response visibility.

Operational efficiency findings further illustrate UWB's wide-ranging benefits. Industrial environments demonstrate up to 70.8 hours saved per worker annually, while retail, hospitality, and exhibition venues show 8.26 to 16.52 hours saved per worker annually. These gains represent more than incremental improvements—they signal systemic efficiency increases that compound as UWB adoption grows.

Together, these insights show that UWB's influence extends far beyond device categories or isolated applications. The study suggests that UWB will play an increasingly strategic role in how organizations design workflows, optimize operations, support public services, and deliver safer, more responsive experiences. FiRa members can access the full report through the Resource Hub, including detailed modeling, regional forecasts, and sector-specific findings to support product planning, regulatory engagement, and long-term innovation strategies.

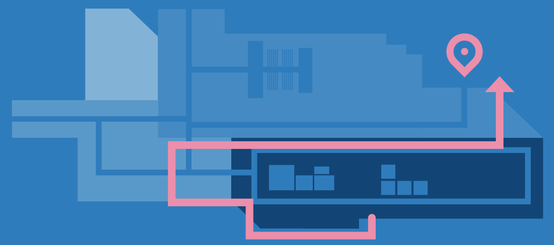
Total Revenues by Area (2022-2030)



Telecom Advisory Services analysis

Hero Use Cases That Are Shaping the Future of FiRa

FiRa's Requirements Working Group (RWG) is actively defining a set of Hero Use Cases that demonstrate where UWB can deliver meaningful and scalable value across real-world environments. These use cases—Public Transport Fare Collection, Untracked Navigation, and Asset Tracking—highlight FiRa's commitment to defining the next generation of precise, secured, and interoperable experiences.



Untracked Navigation

FiRa selected Untracked Navigation as a Hero Use Case because it addresses a major gap where GPS falls short and aligns with the technical groundwork the Consortium is already establishing.

FiRa is now developing a new service specification that outlines accuracy, latency, and energy-efficiency requirements. It also creates a privacy-preserving untracked model where devices never transmit location signals, maintains backward compatibility, and supports scaling to unlimited users. By standardizing this capability, FiRa aims to deliver interoperable, untracked positioning that supports smarter buildings, operational efficiency, and the next wave of spatially aware services.

> UWB can deliver meaningful and scalable value across real-world environments.

Public Transport Fare Collection

Public Transport Fare Collection represents a compelling Hero Use Case for FiRa because UWB enables fast, passive, hands-free entry, which keeps passengers moving smoothly through crowded transit gates.

Early large-scale deployments in Asian regions are already demonstrating how UWB can support secure, walk-through access in real urban mobility systems, showing its potential to reshape passenger flow and reduce congestion. Building on this momentum and actively engaging the broader ecosystem for input, FiRa is developing a dedicated service specification.

This work supports reliable high-speed transactions, integration with existing fare infrastructure, strong privacy protections, and device support that extends beyond premium smartphones. These efforts can help transit agencies explore next-generation fare systems while expanding the broader UWB ecosystem and advancing real-world mobility innovation.

Asset Tracking

Asset Tracking represents a high-impact Hero Use Case for FiRa because enterprises, hospitals, factories, and other large facilities need precise, trustworthy location data to manage equipment, inventory, and worker safety. UWB enables accurate, real-time tracking through anchors that receive device signals and forward the information to a backend system, where locations are computed, even for low-power tags. FiRa is developing dedicated Profile Specifications that define performance, scalability, and security requirements, including trustworthy distance and protection from unauthorized tracking. The same framework also supports emergency mustering, helping organizations account for workers in critical situations. By standardizing these capabilities, FiRa aims to enable interoperable, reliable tracking solutions across a wide range of environments.

Building Trusted UWB Experiences

2025 marked strong progress for UWB-specified security as work advanced across certification, analysis, and cross-consortium alignment. Together with the Car Connectivity Consortium (CCC), FiRa expanded the Security Evaluation Standard for IoT Platforms (SESIP) profile for a UWB module by generalizing the existing CCC profile and creating dedicated packages for FiRa and the CCC. This harmonized approach will enable manufacturers to achieve security certification for both ecosystems with minimal additional effort, thereby strengthening consistency across UWB-enabled products.

FiRa also initiated the development of protection profiles for the FiRa Applet and Secure UWB Services (SUS) Applet, issuing a request for proposal (RFP) to external security labs. The Security Working Group (SWG) refined its security-analysis methodology with input from the Requirements and Technical Working Groups and applied it to Untracked Navigation, with Asset Tracking analysis underway. Discussions with the Certification and Compliance Working Group (CCWG) continued to define how UWB module security certification will integrate into the broader FiRa Certification Program.

In 2026, FiRa aims to complete the common SESIP profile, finalize protection profiles, conclude security certification planning with CCWG, and complete its reviews of Untracked Navigation and Asset Tracking while beginning work on Public Transport Fare Collection and Tap-free Payment use cases. These efforts support FiRa's commitment to delivering the security that targeted UWB applications require and the market expects.

Key 2025 achievements included:

- Advancement of a shared SESIP profile with CCC
- Launch of protection-profile work for the FiRa Applet and SUS Applet
- Updated security-analysis methodology and application to Hero Use Cases
- Coordination with CCWG on upcoming module-level certification

> Security certification is becoming a core pillar of UWB interoperability.

Expanding Alignment Through Key Industry Alliances

FiRa's liaison program continued to evolve in 2025, strengthening collaboration across global standards bodies and reinforcing UWB's position in emerging and established markets. These updates reflect focused progress on coexistence, security, interoperability, and future-facing use cases.

Car Connectivity Consortium (CCC):
Continued collaboration on UWB for Digital Key, including ongoing alignment on existing and new specification releases of both organizations as well as harmonizing functional and security certification to support secured, interoperable vehicle access across manufacturers.

Connectivity Standards Alliance:
Steady progress on Aliro certification support and targeting future FiRa Core 4.0 coverage, alongside early engagement with the Alliance's Matter program as it evaluates UWB for proximity ranging.

EMVCo:
Ongoing work exploring UWB-enabled payment experiences in several use cases, building on early demonstrations and leveraging the capabilities established through FiRa Core 3.0 and advancements offered through FiRa 4.0.

FIDO Alliance:
Liaison activity resumed under a new NDA, with a more user-friendly approach under review to establish reciprocal references for UWB-supported use cases such as logical-access.

GlobalPlatform:
Collaboration continued on secure element management and SESIP-aligned security, reinforcing FiRa's commitment to strong, standardized UWB protection.

omlox:
The joint working group continued working on coexistence recommendations enabling the FiRa Untracked Navigation Profile and peer-to-peer exchanges within omlox core zones, with expanded work planned for 2026, including exploration of shared interests tied to IEEE 802.15.4ab.

Together, these liaisons reinforce FiRa's role in shaping a more secure, interoperable, and widely adopted future for UWB.

Advancing Technology Through Certified Innovation

Certifying a product with the FiRa Consortium brings together FiRa members, Validated Test Tools, and Authorized Test Laboratories (ATLs) working in coordination with the latest FiRa Specifications. This collaborative workflow continues to expand the ecosystem and drive the steady growth of FiRa Certified Devices.

Certified Devices

FiRa Certified Devices denote products that have passed rigorous conformance and interoperability testing against the latest FiRa technical specifications and are validated for consistent, high-quality operation within the UWB ecosystem. These devices were certified in 2025:

Company	Device Name	Date Certified
NXP	Trimension NCJ29D6	December 9, 2025
Samsung	S3JU100	September 9, 2025
NewRadioTech	NRT81750	September 9, 2025
Osemitech	U1011A	August 15, 2025
Qorvo	QM35825	July 31, 2025
Osemitech	U1011A	July 2, 2025
MKSEMI	MK8000	July 2, 2025
CXSEMI	CX500	June 26, 2025
Calterah Semiconductor	CAL110x	June 26, 2025
Qualcomm Technologies, Inc.	WCN788x	March 20, 2025
Samsung	Galaxy S24+ (SM-S926B)	March 13, 2025
Samsung	Galaxy S24+ (SM-S926U)	March 12, 2025
NXP	Trimension SR150	February 26, 2025
NewRadioTech	NRT82660	January 27, 2025
Pinpoint GmbH	PPM21DQ	January 21, 2025

Validated Test Tools

FiRa Validated Test Tools are testing platforms that have met FiRa's defined policies and criteria and are approved for use by Authorized Test Laboratories in the device certification process.

Authorized Test Labs

The Test Lab Authorization Process outlines a lab's evaluation and approval to perform FiRa certification testing. Only labs that meet all requirements earn the status of Authorized Test Laboratory (ATL).

Our current test labs are:

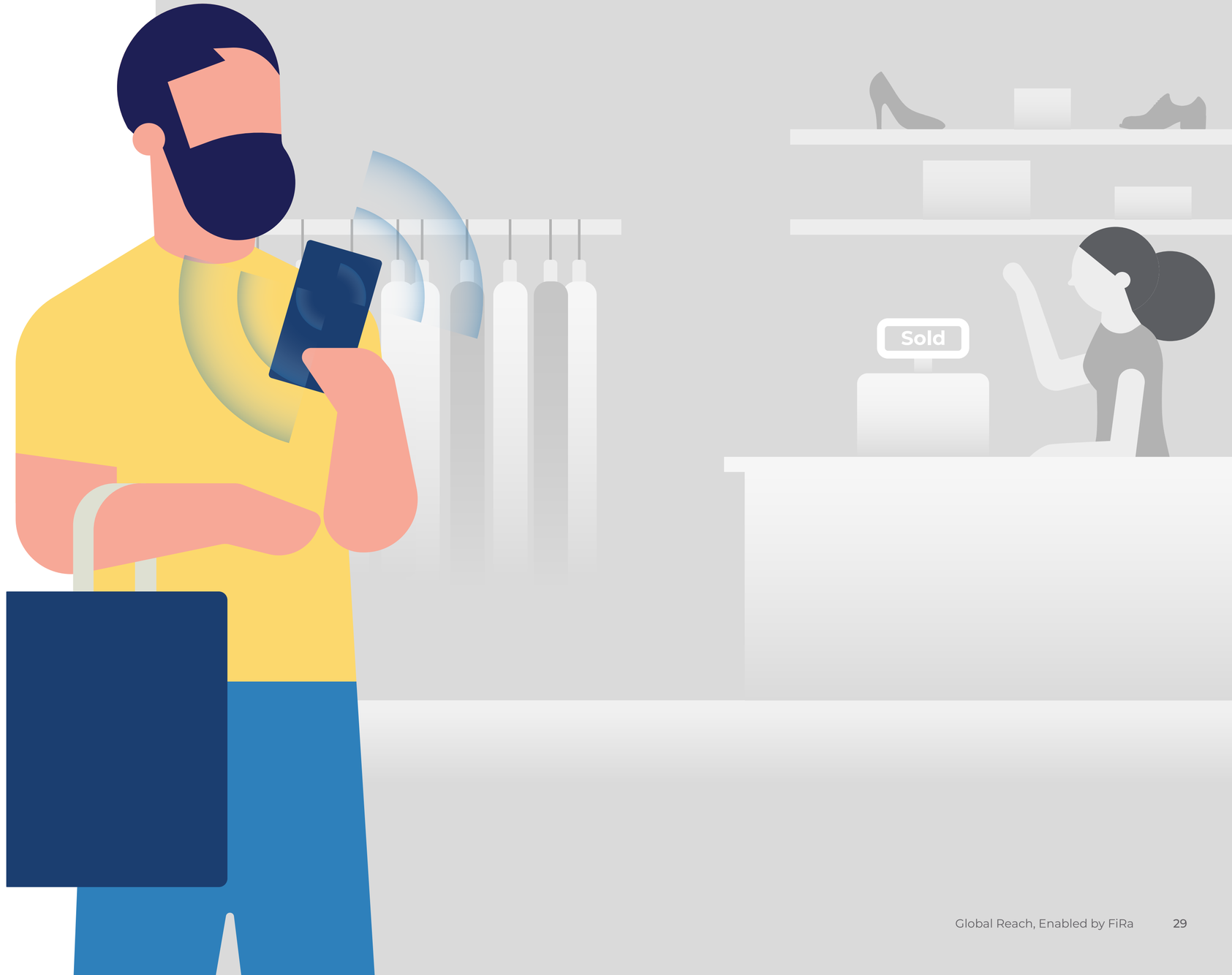
- CAICT
- DT&C
- SRTC
- TTA

Vendor	Function	Certification Release Version	Model Number
NAYUQA	MAC Conformance	3.0 and 4.0	MCTT 2.0
NAYUQA	MAC/PHY Interoperability	3.0 and 4.0	ITT 2.0
Keysight	PHY Conformance	3.0 and 4.0	VXT- M941xA
LitePoint	PHY Conformance	3.0 and 4.0	IQgig-UWB IQgig-UWB+
Welzek	PHY Conformance	3.0 and 4.0	T6290F
Rohde & Schwarz	PHY Conformance	3.0	CMP 200

Global Reach, Enabled by FiRa

In 2025, FiRa's marketing efforts focused on demonstrating UWB's real-world value and deepening engagement across the ecosystem. The team delivered Demo Showcases, participated in Mobility Payments Asia, and hosted Public Transport outreach webinars, while driving clear communication around FiRa Core 3.0 and 4.0, IEEE 802.15.4ab, and the growing certification program. Marketing also launched the A Worldwide Assessment of Socio-Economic Value of UWB study with a full suite of supporting materials, including a white paper, regulatory talking points, and use case videos. Alongside Board, membership, regulatory, and Hero Use Case communications, these initiatives strengthened FiRa's position as the leader in secured, precise UWB technology.

> At FiRa Demo Showcases, innovation is not just shown — it's experienced.



Demonstrating the Future of UWB, One Showcase at a Time

In 2025, FiRa's Demo Showcases continued to play a central role in expanding the global UWB ecosystem by giving companies a platform to demonstrate real-world solutions at FiRa Member Meetings in San Diego, Porto, and Singapore. These events allowed participants to present hands-on demonstrations, engage directly with FiRa members and industry stakeholders, and showcase their work in a collaborative environment designed to accelerate innovation. Each showcase included video recordings of the demos, FiRa-led promotional support, and a dedicated Networking Lunch to encourage meaningful conversations and new partnerships.

The 2025 showcases demonstrated the breadth of UWB innovation worldwide, with companies exploring everything from precision-ranging software and positioning tools to access systems, industrial automation, and advanced IoT applications. These events remain essential not only for visibility but for strengthening multi-vendor interoperability and driving new use cases across the FiRa ecosystem.

2025 FiRa Demo Showcase Participants

San Diego
February 2025

- Hangzhou Ultraception
- IDTAG Technologies AS
- Kyungwoo Systech, Inc.
- Pinpoint GmbH
- Xthings
- Qorvo, Inc.

Porto
June 2025

- LitePoint
- Advantest
- Pinpoint GmbH
- Redpoint Positioning
- Sunway Communication
- Qorvo, Inc.
- Last Lock
- WIZZILAB
- Danalto

Singapore
October 2025

- Bluwbee LTD
- NXP Semiconductors
- Eforthink Technology
- Welzek Technologies
- Ultra-Wireless Pte. Ltd. (Chipsbank)
- Advantest

FiRa Demo Showcases continue to be one of the Consortium's most powerful tools for growing and connecting the UWB ecosystem. To learn more about FiRa Demo Showcases or how to participate, visit the FiRa Demo Showcase webpage and view past demonstrations on the FiRa YouTube Channel.

Building Awareness Through Transportation Outreach

In 2025, FiRa expanded its outreach in public transportation by engaging directly with transit agencies, operators, and industry leaders. Through global events and targeted webinars, FiRa established how UWB and FiRa 3.0 are shaping the future of seamless mobility.

Opening Plenary Guest Speakers at FiRa's Singapore Face-to-Face Meeting
FiRa reached a milestone in Singapore by introducing guest speakers at its Opening Plenary for the first time, setting the stage for similar engagements moving forward.

Shu Ishimoto, Chief Officer at JR East, highlighted Suica as a hub for transportation and lifestyle payments and introduced the Suica Renaissance Project, focused on personalized services and digital transformation. He also shared JR East's goal to deploy touch-free ticket gates within the next decade using UWB and other technologies.

Kelvin Lim, Deputy Chief Specialist for Fare Systems at Singapore's LTA, outlined Singapore's Integrated Fare Ticketing System, the planned expansion of its more than 160 stations by 2030, and ongoing work on the Contactless e-Purse Application Standard (CEPAS) 3.0, which will enhance payment capabilities to support future account-based ticketing.

Mobility Payments Asia Pacific 2025
FiRa participated in this major outreach event in Seoul, where Choy Fong Poan (Infineon) and Han Wesseling (Qorvo) presented UWB and FiRa 3.0: Powering Seamless Public Transport Payments. Their sessions highlighted how UWB supports frictionless fare collection and how smartphones are driving adoption of UWB-based transit payments across major metropolitan systems.
View the presentation
(FiRa members only).

Public Transport Outreach Webinars
FiRa hosted two outreach-focused virtual sessions serving audiences in both Asia (October 15) and the United States (November 18). Led by Frank Dawidowsky (Sony) and Srivathsa Masthi Parthasarathi (NXP), the webinars explored touchless gate access, system interoperability, cost-effective upgrades to existing fare infrastructure, and complementary use cases including Untracked Navigation, Asset Tracking, Tap-Free Mobile Payments, and Ticket Validation. Watch the on-demand webinar recording.

Together, these efforts lay the groundwork for FiRa's long-term vision: advancing precise, secured wireless experiences that transition UWB from optional to essential infrastructure.

Shaping What Comes Next for FiRa

Core Development and Strategic Priorities for 2026

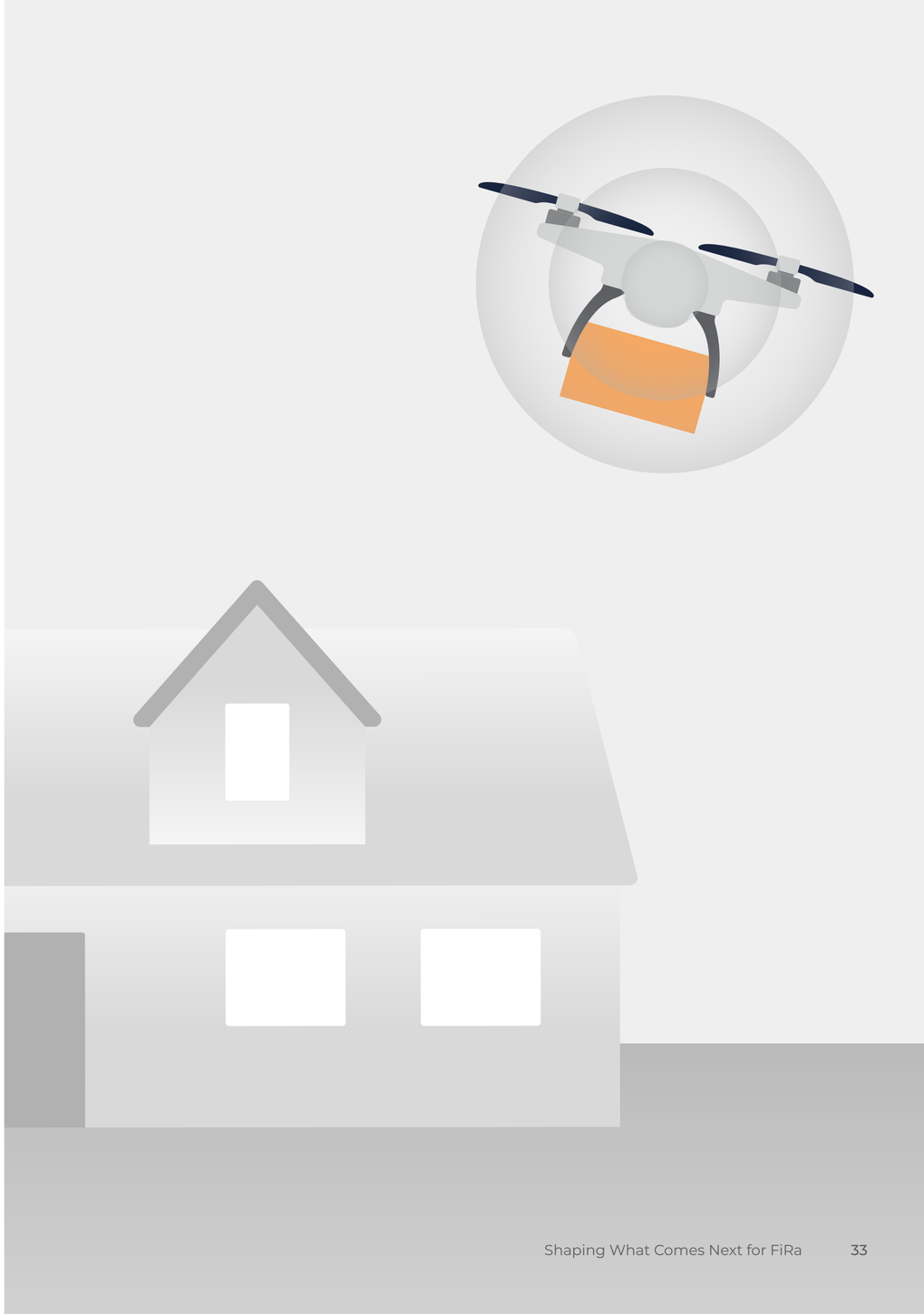
As FiRa moves into 2026, the Consortium is aligning its technical roadmap to support the next wave of large-scale deployments, focusing on Core, Framework and Profile releases that strengthen performance, interoperability and readiness for its Hero Use Cases. This includes the first specifications enabling Untracked Navigation, along with refinements to the Core specifications based on evolving requirements from Public Transport Fare Collection, Asset Tracking, and other emerging applications. These updates ensure the technical foundation advances in step with market needs, while the launch of FiRa Plugfests in 2026 provides members a dedicated and secure environment to validate interoperability across diverse implementations.

Key technical priorities for 2026 include:

- **Framework & Profile releases** supporting Hero Use Cases, starting with Untracked Navigation
- **Enhancements to the Core** specifications based on evolving requirements
- **Member Plugfests** to validate multi-vendor performance and strengthen interoperability
- **Ongoing alignment with IEEE 802.15.4ab**, enabling better link budget, longer range, and improved performance

On the ecosystem side, FiRa will continue to deepen its engagement in public transport, industrial use cases, and mobile experiences, expanding outreach and supporting early deployments. Collaboration with other consortia and standards organizations will remain essential to harmonizing the next generation of specifications and ensuring solutions scale globally.

Together, these efforts lay the groundwork for FiRa's long-term vision: advancing precise, secured wireless experiences that transition UWB from optional to essential infrastructure.



FiRa Plugfests: Building Confidence Through Collaboration

FiRa is launching its **Plugfest Program** to provide members with a dedicated environment to test interoperability across real implementations. These hands-on technical events provide members the opportunity to perform interoperability testing of their products with other participating members and their products. These events are targeting adopted specifications and select draft specifications for key use cases, building confidence ahead of certification and strengthening the broader ecosystem.

Two FiRa Plugfests are already scheduled for 2026:

- FiRa Plugfest #1 hosted by Qualcomm in San Diego, CA, USA
- FiRa Plugfest #2 hosted by STMicroelectronics in Le Bourget-du-lac, France

Plugfests are NDA-protected events where participating companies conduct pair-wise interoperability testing across Core, Framework, and Profile layers. Results will remain confidential between partners, while specification-related findings may be submitted through FiRa's standard issue reporting process. Members will be able to test prototypes, development boards, pre-certification units, or final products, allowing performance to be evaluated at any stage of development.

Open to all FiRa members, Plugfests offer key benefits:

- **Verify interoperability** with other member implementations
- **Identify issues early** to accelerate development
- **Improve readiness for certification**
- **Support ecosystem maturity** through collaboration

Held two to three times per year in rotating global locations, each Plugfest may include an optional focus area based on member needs and specification maturity. FiRa also welcomes interest from companies that may wish to host or sponsor a future Plugfest as the program continues to grow.

For questions or sponsor and hosting inquiries, contact plugfest@firaconsortium.org

From Optional to Essential: FiRa Technology Goes Mainstream

What was once considered a premium add-on is now becoming expected. Precision access, secured ranging, and seamless spatial awareness are moving from innovation to baseline functionality. As adoption grows across smartphones, vehicles, infrastructure, and industrial systems, FiRa technology is showing up where performance, security, and user experience matter most.

According to ABI Research, UWB's expansion in smartphones will be key to wider adoption, with more than half of devices expected to include it by 2030. The chipset and IP ecosystem is also accelerating, with new products, market entrants, and solutions that combine ranging, sensing, and data communications. Growing opportunities beyond secure ranging, including radar, sensing, and low-latency data applications, are already emerging in automotive and safety use cases.

Backed by a certified, interoperable foundation, FiRa has moved beyond early-adopter differentiation to become a competitive requirement. Manufacturers are designing with UWB, markets are standardizing around it, and expectations for connected experiences are rising accordingly. The question has shifted from who will adopt to who can keep up—because FiRa is not just part of the future; it is actively shaping it.

The market is no longer asking who will adopt UWB, but who can keep up.

Shaping the Future Together

Our Members: The Foundation of FiRa's Work

FiRa's membership continues to grow into a diverse and collaborative global community dedicated to advancing precise, secured, and interoperable wireless experiences. In 2025, this network expanded across industries and regions, bringing together organizations that contribute technical expertise, market insight, and real-world deployment knowledge. Members play a central role in shaping the direction of FiRa's work, strengthening the ecosystem, and driving progress across emerging applications.

FiRa members are united in their commitment to:

- **Championing an open, interoperable ecosystem** that ensures consistent performance across devices, platforms, and services.
- **Developing forward-looking products and solutions** that push the boundaries of what FiRa specifications enable.
- **Accelerating the introduction of advanced capabilities** by collaborating across Working Groups and industry segments.
- **Expanding global awareness and adoption,** helping the broader market understand the value and impact of FiRa technologies.

Making FiRa Membership More Accessible

FiRa is opening the door wider than ever. With a newly refreshed Associate membership tier, more companies—whether scaling rapidly or just getting started—can now join the ecosystem shaping the future of precise, secured wireless experiences. By introducing revenue-based pricing, FiRa is making it easier for innovators, developers, and emerging players to access the same specifications, Plugfests, Working Groups, and certification opportunities once limited to larger organizations. It's an invitation to step in, collaborate, and help push the entire industry forward.

New Associate membership pricing:

- $7,500 for companies with annual revenue below $50 million
- $30,000 for companies with annual revenue above $50 million

This refreshed tier still includes all the benefits of the original level—access to FiRa specifications, Plugfests, Working Groups, product certification, and eligibility to apply as a FiRa Authorized Test Lab. The goal is simple: broaden collaboration, remove barriers, and help accelerate new ideas across the industry.

Learn more about it or apply for membership today.

Global Members Leading FiRa Forward

FiRa's impact is rooted in the strength of its global community. Members span Asia-Pacific, Europe, the Americas, and beyond, bringing together regional perspectives, deployment experience, and market insight that shape FiRa's direction. This worldwide collaboration ensures that specifications, certification programs, and use cases are designed with real environments in mind, supporting solutions that can scale across borders and industries.

Europe

Denmark
Finland
France
Germany
Italy
Netherlands
Norway
Switzerland
United Kingdom

APAC

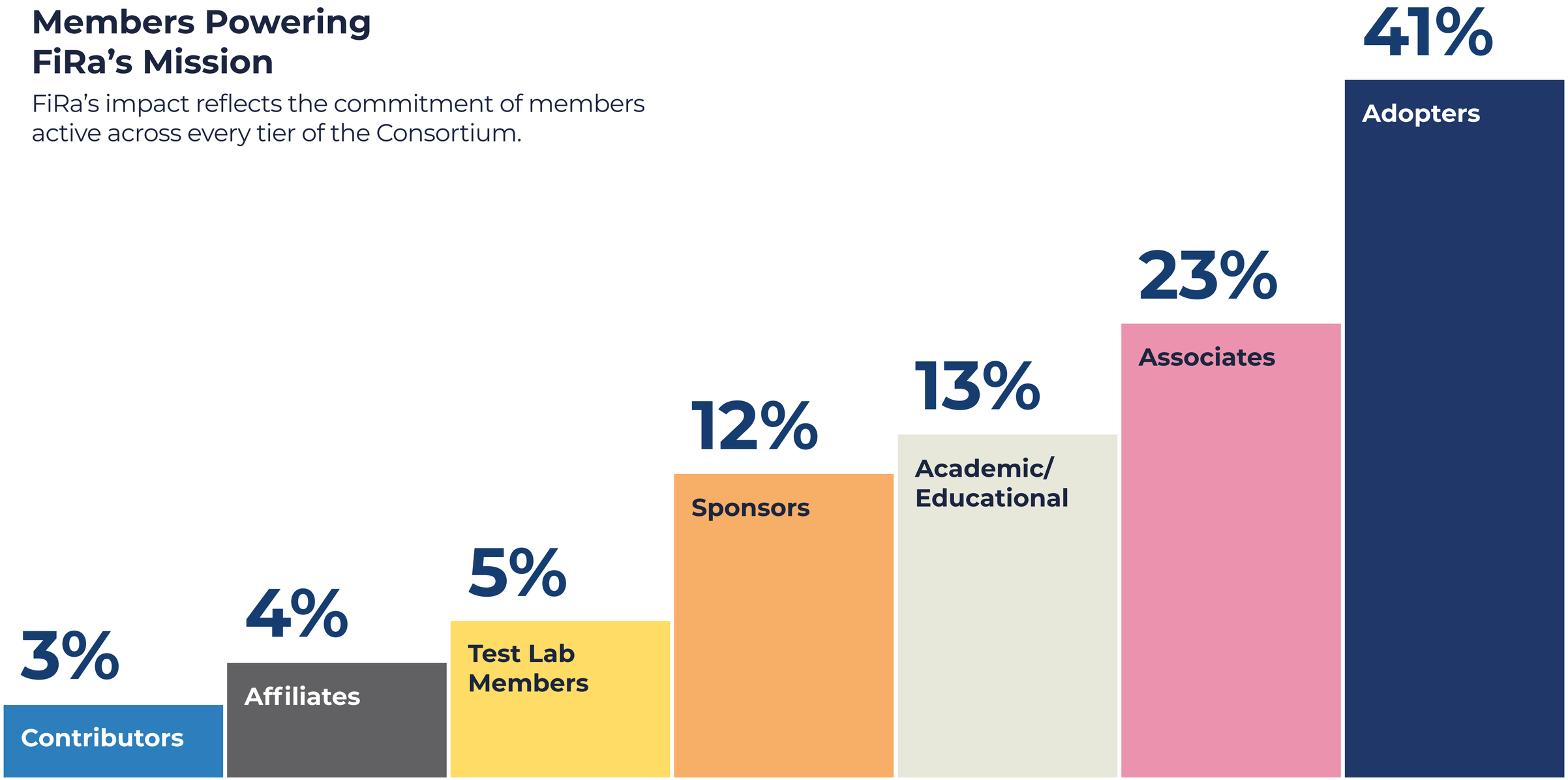
China
Japan
South Korea
Taiwan

North America

United States

Members Powering FiRa's Mission

FiRa's impact reflects the commitment of members active across every tier of the Consortium.



FiRa Sponsor Members

FiRa's Sponsor members, long-standing leaders in technology and innovation, make up the FiRa Board. This diverse group is focused on building a strong, sustainable UWB ecosystem to support the next generation of emerging applications.

FiRa Contributor Members

FiRa's Contributor members provide essential technical and market expertise, shaping the specifications that power a seamless, interoperable UWB ecosystem.

View FiRa's members here.

FiRa Working Group Goals and Achievements

In 2025, FiRa's Working Groups drove meaningful progress across specifications, certification, security, and use-case development. Their collaboration advanced technical readiness and strengthened interoperability. The following pages highlight each group's key accomplishments from the past year and the priorities shaping their work as they move into 2026.

Requirements Working Group (RWG)

The RWG examines new UWB use cases, proposes new UWB scenarios, and identifies the functional requirements for each.

2025 Achievements	2026 Priorities
• Completed the updates of Untracked Navigation and Public Transport Fare Collection Market Requirements Documents (MRDs) • Organized the first two outreach webinars on the Public Transport Fare Collection use case • Organized the first open session at the Singapore face-to-face meeting with ecosystem presentations from Geoplan, JCB, and JR East	• Continue our outreach activities and expand them to all Hero Use Cases • Research opportunities around IEEE 802.15.4ab • Encourage our members to submit new use cases that now may also include IEEE 802.15.4ab features

> At our Singapore face-to-face meeting, we, for the first time, organized our meeting into an 'open' and 'closed' session. Adopter members active in public transport were invited to present their views and requirements during the 'open' session. Thanks to the contributions of Geoplan, JCB, and JR East, we have received valuable input that will play a vital role in guiding future development. We plan to continue this momentum and offer similar opportunities for our members in the near future.

Frank Dawidowsky
Sony

Srivathsa Masthi Parthasarathi
NXP Semiconductors

After an intensive period of Core Specification development over the past two years, which significantly enhanced the feature set through Core releases 3.0 and 4.0, we want to thank everyone for their contributions in making this possible. Looking ahead, our focus will shift to releasing the initial Hero Use Cases and the related Framework Specifications that build on these Core features.

Brian Redding
Qualcomm Technologies, Inc.

Dominic Pirker
Infineon Technologies

Technical Working Group (TWG)

The TWG develops all UWB-related technical specifications, ensuring a collaborative yet structured approach to technical discussions and decision-making. Sub-Groups are formed as needed to support the development of specific use cases.

2025 Achievements	2026 Priorities
• Successfully released the Core 4.0 Technical Specifications, consisting of UWB physical (PHY) layer, Medium Access Control (MAC) layer, UWB Subsystem Command Interface (UCI), Link Layer (LL), and Secure UWB Services Application Programming Interfaces (SUS API) • Finalized Framework restructuring and established Transport and Messages (TAM) and Secure Communications (SCOM) as new specifications • Continued to develop a Glossary for terms, acronyms, and abbreviations across specifications	• Release the first Hero Use Cases (Public Transport Fare Collection and Untracked Navigation) and related Framework Specifications • Move to tagged requirements (as implemented in the PHY Technical Specification) to make requirements easier to identify and strengthen support for testing and certification • Finalize the FiRa Architecture Specification to illustrate how the Core and Framework features work together to allow the implementation of a use case • Support to establish the FiRa Plugfest Program to foster interoperability

Core Sub-Group (CSG)

One of two permanent TWG Sub-Groups, the CSG develops and maintains the technical specifications for the components that make up the UWB Subsystem: PHY, MAC, LL, and UCI.

2025 Achievements

- Enabled Uplink Time Difference of Arrival (UL-TDoA), allowing devices (UL-TDoA tags) to be tracked by an infrastructure of UL-TDoA anchors
- Added support for Aliro UWB in UCI, enabling complete testing of Aliro UWB features. (Initial Aliro testing was already available in the FiRa Core 3.0 Certification Program)
- Introduced suspend ranging, allowing devices to pause ranging for one or more rounds while keeping the controllee synchronized to the controller by listening to control messages (Applicable only to time-based Two-Way Ranging)

2026 Priorities

- Enhance Core Specifications to:
  - Apply maintenance for existing features/ requirements
  - Introduce tagged requirement in the MAC Specification
  - Add new requirements/features coming from RWG/TWG (e.g., Secured Downlink Time Difference of Arrival (DL-TDoA), or the introduction of IEEE 802.15.4ab)

> 2025 has been another fruitful year for the Core Sub-Group. We'd like to express our appreciation to all members for their contributions and participation in CSG, which enabled the timely completion of the 4.0 Core specifications.

Rojan Chitrakar
Huawei Technologies

Guillaume Vivier
Qorvo, Inc.

As chairs, we want to thank all members of the Framework and Profile Subgroup, with a special shout-out to the main contributors. Finalizing the new Framework Specifications has laid the groundwork for the first Hero Use Case Profiles coming in 2026, and we're really looking forward to reaching that milestone together.

Dominic Pirker
Infineon Technologies

Anders Mellqvist
Sony

Framework & Profiles Sub-Group (FPSG)

As the other permanent TWG Sub-Group, the FPSG develops and maintains the technical specifications for the FiRa Framework and Profiles.

2025 Achievements

- Finalized the restructuring of the Framework Technical Specifications:
  - Transport and Messages Technical Specification (TAM)
  - Secured Communications Technical Specification (SCOM)
- Introduced Wi-Fi as an alternate Out-of-Band (OOB) technology
- Advanced the FiRa Untracked Navigation Profile:
  - Stable draft of Profile available
  - First best practices feedback incorporated
- Continued FiRa Public Transport Profile discussions

2026 Priorities

- Release Profile Specifications for these FiRa Hero Use Cases:
  - Untracked Navigation
  - Public Transport Fare Collection
- Provide support for Plugfests to increase interoperability across different implementations
- Focus on new use cases and their associated profiles once the above specifications are completed

Compliance and Certification Working Group (CCWG)

The CCWG develops UWB test specifications, policies, and processes relating to product certification, and oversees the activities of Authorized Test Labs (ATLs).

2025 Achievements	2026 Priorities
• Launched FiRa Core 4.0 Certification, enabling the following new features: ◦ Uplink Time Difference of Arrival (UL TDoA) ◦ Suspend Ranging for Single-Sided and Double Sided Two-Way Ranging (SS/DS TWR) ◦ Aliro UWB	• Maintain Core Certification Program for upcoming features • Develop a certification and testing strategy for the FiRa Untracked Navigation Profile • Develop testing scenarios for the upcoming FiRa Plugfests

> The FiRa Core 3.0 certification program added core features enabling use cases such as FiRa's Public Transport Fare Collection, Untracked Navigation, and Tap-Free Payments, resulting in twice as many certified devices in 2025 compared to the previous year.

Jacek Hryszkiewicz
FiRa Consortium

> The addition of Uplink Time Difference of Arrival to the Core Certification Program enables the FiRa Asset Tracking use case. This feature completes the work on IEEE 802.15.4z-based feature inclusion for FiRa-defined use cases.

Michael Stark
NXP Semiconductors

> Building upon FiRa 3.0, which established a foundation for UWB ecosystems in the automotive industry through collaboration with Car Connectivity Consortium®, FiRa 4.0 further enhances and integrates standards and certification processes by jointly working with Connectivity Standards Alliance® Aliro to create a more unified and cohesive UWB ecosystem within the IoT industry.

Jieun Keum
Samsung Electronics

Marketing Working Group (MWG)

The MWG manages the Consortium's brand, supports go-to-market tactics, strategy, and promotion, and guides the Consortium's external efforts to further the adoption of UWB-based solutions.

> In 2025, the MWG helped connect FiRa's work with the audiences that matter—through live showcases, global events, new content, outreach across emerging use cases, and the development of a new FiRa membership tier. Our members drove the momentum, and our job was to amplify it. As we look to 2026, we're ready to build on this foundation and keep raising the visibility of FiRa technology worldwide.

Benjamin Guilloud
Qorvo, Inc.

2025 Achievements

- Delivered global Demo Showcases in San Diego, Porto, and Singapore, highlighting multi-vendor innovation
- Enabled new Associate membership for companies with revenue lower than $50M, boosting FiRa member growth
- Expanded outreach through Public Transport webinars and participation in Mobility Payments Asia
- Released a full suite of materials supporting the study A Worldwide Assessment of Socio-Economic Value of UWB, including a white paper, regulatory talking points, videos, and more
- Consistently monitored and drove FiRa Consortium performance Marketing through MWG-defined KPIs
- Increased FiRa visibility across LinkedIn through event recaps, industry updates, and member-spotlight posts
- Drastically reduced operational costs

2026 Priorities

- Promote new FiRa specification releases and communicate their value to the industry once available
- Support Plugfests with event promotion, member communications, and post-event visibility
- Grow outreach for Public Transport, Untracked Navigation, and Asset Tracking Hero Use Cases through webinars, showcases, and content campaigns
- Strengthen partnerships and cross-consortium communications to amplify FiRa's role in the expanding UWB landscape
- Enhance FiRa's presence through targeted storytelling, member engagement, and strategic communications across channels

Regulatory Working Group (ReWG)

The ReWG provides technical insights on the coexistence of UWB with other wireless formats and advises on topics related to spectrum and regulatory issues.

2025 Achievements	2026 Priorities
• Completed the A Worldwide Assessment of Socio-Economic Value of UWB study, providing key data to support regulatory outreach • Advanced the protection of UWB Channel 9, engaging with regulators to preserve critical spectrum access • Worked with other consortia to file a Petition for Rulemaking in the United States, laying the groundwork to modernize UWB rules	• Kick off the update of the U.S. regulations for UWB • Complete studies for new UWB regulations above 8.5 GHz in Europe • Continue defending UWB's interests in the preparations for the World Radiocommunication Conference 2027

The Regulatory Working Group engages with regulators and stakeholders worldwide to secure and improve ultra-wideband's future operations, ensuring policies evolve in step with advancing technology and growing industry needs.

Dries Neirynck
Qorvo, Inc.

Tobias Vieracker
Apple, Inc.

Our achievements this year highlight the strength of our community and the value of working closely with industry partners to move security certification forward. By advancing essential frameworks and use-case evaluations, we have laid the groundwork for the year ahead. In 2026, we'll be focused on carrying this momentum into the next phase and ensuring FiRa technologies meet the highest expectations for security and trust.

Hugues de Perthuis
NXP Semiconductors

Bala Raj Munjuluri
Infineon Technologies

Security Working Group (SWG)

The SWG develops and maintains a security requirements roadmap used in the development of FiRa technical and test specifications.

2025 Achievements	2026 Priorities
• Updated the SESIP profile for the UWB module from CCC • Implemented the Protection Profile for FiRa's Applet and SUS Applet • Fine-tuned the methodology to perform the security analysis of use cases together with RWG and TWG • Initiated discussion with CCWG to include the security certification of the UWB module in the FiRa certification process	• Complete the common SESIP profile with CCC and other standards • Draft the applet protection profiles • Finalize the certification process with CCWG • Finish the security reviews of the asset tracking and untracked navigation use cases • Begin the security analysis for the Public Transport and Payments use cases

Working Group Steering Committee (WGSC)

The WGSC facilitates inter-working group communication and coordination and is responsible for specification release plans and specification program management.

2025 Achievements

- Established the foundation and secured hosts for the FiRa Plugfest Program
- Finalized publishing-platform requirements and began the transition to a text-based platform through platform selection, process updates, and a sample specification
- Developed a comprehensive Style Guide to enhance consistency across all FiRa specifications
- Refined program management processes by formalizing SWG input into market requirements and specification development
- Collaborated across Working Groups to standardize names of use cases, profiles, and features
- Updated the WG Policy to clarify chair elections, plenary agenda rules, and required review periods for minutes and related documents

2026 Priorities

- Successfully execute the first two FiRa Plugfests, and schedule and secure hosts for three FiRa Plugfests in 2027
- Finalize and publish the FiRa Style Guide
- Advance the transition to the new text-based publishing platform
- Continue documenting and maturing specification program management processes

> Every achievement this year reflects the commitment and expertise of the FiRa community – a testament to the strength of our working groups and the collaboration that drives them as we lay essential groundwork to strengthen our processes, enhance consistency, and expand the FiRa ecosystem.

Annette Mahoney
FiRa Consortium

2025 Milestones

2025

Jan

- Pinpoint GmbH PPM21DQ
- FiRa Releases Core 3.0 Specs and Certification Program

Feb

- NXP Trimension SR150
- A Worldwide Assessment of Socio-Economic Value of Ultra-Wideband Study Completed
- San Diego Demo Showcase

Mar

- Samsung Galaxy S24+ (SM-S926B) and Galaxy S24+ (SM-S926U)
- Qualcomm Technologies, Inc. WCN788x
- omlox & FiRa Join Forces

Apr

- FiRa 16th Hybrid Test Event

Jun

- CXSEMI CX500
- Calterah Semiconductor CAL110x
- Mobility Payments Asia Pacific 2025
- Porto Demo Showcase
- FiRa 17th Hybrid Test Event

Jul

- Qorvo QM35825
- Osemitech U1011A
- MKSEMI MK8000
- FiRa 18th Hybrid Test Event

Aug

- Osemitech U1011A
- New Board President/Members
- UWB Smart Retail Video

Sept

- Samsung S3JU100
- NewRadioTech NRT81750

Oct

- PTFC Webinar (Asia)
- IEEE 802.15.4ab Announcement
- Singapore Demo Showcase

Nov

- New Associate Membership Tier
- PTFC Webinar (US)

Dec

- FiRa Releases Core 4.0 Specifications and Certification Program

Join FiRa

Join FiRa — Help Shape What Comes Next

Becoming a FiRa member means stepping into a community built on collaboration, creativity, and real technical impact. With companies from across the world contributing their expertise, FiRa brings together the ideas, tools, and connections that help members stay ahead in a rapidly evolving landscape. Whether you're building products, shaping standards, or exploring new markets, FiRa gives you the access and insight to move faster and go further.

Why Join FiRa?

Members gain opportunities to:

- **Shape the future** by contributing to the specifications, programs, and use cases driving next-generation wireless experiences
- **Collaborate directly** with leading companies, experts, and innovators across industries
- **Accelerate development** through resources, guidance, and a shared commitment to interoperability
- **Strengthen market impact** with clearer paths to certification, deployment, and adoption
- **Stay informed and connected** through members-only events, discussions, and technical exchanges

Being part of FiRa means more than joining a consortium — it means tapping into a network that supports your vision, amplifies your work, and brings meaningful opportunities within reach. If your organization is ready to influence the future of wireless technology, we'd love to have you with us.

Together, We Can Drive FiRa Forward

FiRa welcomes organizations interested in working together to advance secured, precise, and interoperable wireless technology. **If you're seeking partnership opportunities or want to explore how your company can get involved, contact us at: admin@firaconsortium.org**

FiRa invites you to unlock the full potential of membership.

The Power to Be Precise

January 2026