



MERAKI MR CLOUD-MANAGED WI-FI FOR FINANCIAL SERVICES

**FTC SAFEGUARDS & CPRA COMPLIANT WIRELESS WITH EXPERT
EKAHAU DESIGN, TURNKEY INSTALLATION & MANAGED SERVICES**

A complete operational transformation guide for mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses – brought to you by BTI Communications Group, Cisco Meraki Authorized Partner serving CA | AZ | IL.

99.99% WIRELESS UPTIME

Guaranteed performance across branches, call centers & customer-facing operations

FTC SAFEGUARDS & CPRA COMPLIANT




Built-in PII protection, encryption, access controls & audit logging

FIXED-PRICE DELIVERY

Zero variance, guaranteed outcomes, own installation crews

EXPERT EKAHAU DESIGN

Predictive modeling, on-site validation & ongoing optimization

 BTI Communications Group – Cisco Meraki Authorized Partner | CA | AZ | IL |  800-435-7284 | 

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EXECUTIVE SUMMARY: SECURING FINANCIAL SERVICES WITH MERAKI WI-FI

Financial services wireless infrastructure has never carried more regulatory and operational weight. High-density branch and guest Wi-Fi failures, downtime impacting customer access and trading platforms, PII exposure on wireless networks, and mounting FTC Safeguards Rule and CPRA compliance pressures are all symptoms of the same root cause – wireless infrastructure that was never designed for the demands of a modern, regulated financial services environment.

BTI Communications Group offers an infrastructure-led managed IT approach designed specifically for the unique demands of the financial sector. We provide a complete, fixed-price, and fully supported solution combining Cisco Meraki MR cloud-managed Wi-Fi, expert Ekahau-designed deployments, our own certified installation crews, and comprehensive ongoing managed services. This integrated model ensures predictable outcomes, robust security, and reliable performance.

99.99% WIRELESS UPTIME

Ensuring continuous operations and customer connectivity.

65% REDUCTION IN IT SUPPORT TICKETS

Streamlining operations and freeing up valuable IT resources.

FTC SAFEGUARDS & CPRA COMPLIANT

Architecting networks for regulatory adherence and data protection.

ZERO VARIANCE FIXED-PRICE DELIVERY

Eliminating budget surprises and guaranteeing project costs.

BTI Communications Group is a Cisco Meraki Authorized Partner serving mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses across CA, AZ, and IL. Every engagement begins with a no-cost Ekahau-powered site and compliance assessment and ends with a fully managed, fully supported wireless environment that performs reliably and keeps your organization audit-ready – month after month, year after year.

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THE CHALLENGE – LEGACY WI-FI IN FINANCIAL SERVICES

If your financial services organization is still running a traditional controller-based wireless infrastructure, you are managing a system that was architected for a fundamentally different era – one that predates the FTC Safeguards Rule's 2023 updates, CPRA's expanded PII protections, and the explosive growth of branch Wi-Fi, mobile banking, and fintech application demands. This outdated approach introduces significant vulnerabilities and inefficiencies that can directly impact your operations, compliance, and customer trust.



DOWNTIME & PRODUCTIVITY LOSSES

Branch operations, call centers, and customer-facing platforms grind to a halt when wireless fails. Every minute of downtime impacts customer satisfaction, transaction processing, and staff productivity – and in financial services, downtime has direct revenue and reputational consequences.



COVERAGE & PERFORMANCE GAPS

High-density lobbies, open-plan offices, conference areas, and multi-floor branch environments create complex RF challenges that legacy access points were never designed to handle. Poor roaming, dead zones, and congestion on legacy networks directly impact customer and staff experience.



FTC SAFEGUARDS RULE & CPRA COMPLIANCE PRESSURES

The FTC Safeguards Rule requires a written information security program, risk assessments, encryption, access controls, and audit logging on wireless networks handling customer financial data. CPRA expands PII protections and consumer rights. Legacy wireless architectures lack the granular segmentation, logging, and policy enforcement needed to meet these requirements.



RISING CYBER THREATS & FRAGMENTED MANAGEMENT

Guest Wi-Fi, BYOD, and staff networks running on flat, unsegmented architectures expose PII to lateral movement attacks. Fragmented multi-site management, inconsistent policies, and high costs of traditional wireless controllers compound the risk, leaving financial services-adjacent businesses vulnerable to sophisticated threats.

"In financial services, your wireless network is not just an IT asset – it is a regulatory compliance surface, a customer experience platform, and a cybersecurity perimeter. Legacy Wi-Fi fails on all three."

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THE MERAKI MR OPERATIONAL TRANSFORMATION FOR FINANCIAL SERVICES

Cisco Meraki MR access points, combined with BTI Communications Group's expert Ekahau design methodology and infrastructure-led managed services, represent a categorical upgrade in how mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses manage wireless connectivity, regulatory compliance, and cybersecurity. This integrated approach redefines the standard for secure and efficient financial network operations, moving from reactive problem-solving to proactive, intelligent infrastructure management.



ZERO-TOUCH DEPLOYMENT & CENTRALIZED DASHBOARD

Gain real-time analytics, comprehensive device visibility, proactive alerting, and unified management across all your branches and sites from a single, intuitive pane of glass. Eliminate the need for on-site controllers, simplifying operations. Every action generates a full audit trail, essential for FTC Safeguards and CPRA compliance documentation.



WI-FI 6E / HIGH-PERFORMANCE MR ACCESS POINTS

Leverage cutting-edge Wi-Fi 6E technology with MU-MIMO, OFDMA, seamless roaming, and advanced Quality of Service (QoS). This ensures consistent, high-performance connectivity crucial for high-density branch lobbies, open-plan offices, conference rooms, and all customer-facing environments, supporting staff, customers, and BYOD devices without compromise.



BUILT-IN PII PROTECTION & COMPLIANCE ARCHITECTURE

Implement robust security measures with Layer 7 application control, integrated Intrusion Detection/Prevention Systems (IDS/IPS), advanced malware protection, and granular network segmentation. This isolates staff, guest, and BYOD traffic, enforcing encryption, access controls, and detailed audit logging, directly aligning with FTC Safeguards Rule and CPRA requirements.



EXPERT EKAHAU DESIGN FOR FINANCIAL ENVIRONMENTS

Benefit from BTI's specialized Ekahau design methodology, featuring predictive RF modeling and meticulous on-site validation. This ensures optimal wireless performance and coverage in complex environments like branch lobbies, multi-floor offices, drive-through areas, and high-density customer zones. Every deployment is thoroughly validated for peak performance before go-live.



SECURE HIGH-DENSITY COVERAGE

Provide consistent, compliant connectivity for all users and applications: branch staff, customer Wi-Fi, mobile banking support, fintech applications, and BYOD. With full policy enforcement and PII isolation embedded at every access point, your organization gains a secure, reliable, and highly scalable wireless infrastructure.

"Meraki MR doesn't just upgrade your wireless – it transforms your branch network into a compliant, secure, and centrally managed platform that satisfies FTC Safeguards and CPRA requirements by design."

REAL-WORLD FINANCIAL SERVICES WI-FI RESULTS & ROI

Operational and compliance outcomes are the only metrics that matter in financial services IT. BTI's Meraki MR deployments consistently deliver measurable improvements across coverage, uptime, compliance readiness, and total cost of ownership. These proven results translate directly into enhanced security, reduced operational overhead, and a superior experience for both customers and staff.

99.99%

WIRELESS UPTIME

Achieved across all branch and office locations, ensuring continuous service availability for critical operations and customer interactions.

65%

IT TICKET REDUCTION

Significant decrease in wireless-related IT support tickets, freeing up valuable IT resources to focus on strategic initiatives rather than reactive troubleshooting.

42%

FASTER RESOLUTION

Improved issue resolution speed, thanks to the comprehensive visibility and intuitive diagnostic tools provided by the Meraki Dashboard.

100%

AUDIT READINESS

Full FTC Safeguards & CPRA Audit Readiness achieved at go-live, ensuring immediate compliance with essential financial regulations and data protection laws.

55%

LOWER TCO

Substantial reduction in Total Cost of Ownership when compared to traditional legacy controller-based Wi-Fi systems, delivering long-term financial benefits.

CLIENT SUCCESS STORIES

Regional Mortgage Banking & Loan Origination Firm

A regional mortgage banking and loan origination firm with multiple offices across CA was experiencing chronic Wi-Fi dead zones in borrower reception areas, inconsistent guest Wi-Fi performance, and a failed FTC Safeguards Rule audit finding related to inadequate wireless access controls and audit logging. BTI deployed Cisco Meraki MR with Ekahau-designed coverage across all offices, implementing full staff/guest/BYOD segmentation, IDS/IPS, encryption enforcement, and centralized audit logging.

Result: 99.9% wireless uptime, full FTC Safeguards compliance achieved in 45 days, and a 60% reduction in borrower-facing Wi-Fi complaints.

Multi-Office Tax & Insurance Services Group

A multi-office tax preparation and insurance services group with locations in CA, AZ, and IL was running staff and client Wi-Fi on the same flat network – a direct CPRA and FTC Safeguards Rule violation. BTI redesigned the wireless architecture with Meraki MR, implementing granular PII segmentation, CPRA-aligned access controls, and 24/7 NOC/SOC monitoring.

Result: Full CPRA and FTC Safeguards compliance achieved, zero PII exposure incidents post-deployment, and a 50% reduction in wireless-related IT overhead.

WHY BTI GROUP DELIVERS RESULTS OTHER PROVIDERS CAN'T – FINANCIAL SERVICES

The financial services wireless market is crowded with providers who can sell you Meraki hardware. Very few can do what BTI does – design it with Ekahau expertise, install it with their own certified crews, integrate it with FTC Safeguards and CPRA compliance frameworks, and manage it for a fixed monthly fee far below the cost of doing it yourself.

EXPERT EKAHAU ENGINEERING

Full-stack Wi-Fi engineering using the latest Ekahau tools for predictive design, on-site surveying, validation testing, and ongoing optimization in regulated financial branch and office environments.

INFRASTRUCTURE-LED MANAGED IT

Flexible delivery: fully managed, co-managed, or managed cybersecurity overlay. BTI owns the outcome, not just the hardware sale.

DISCOUNTED ITEMIZED PRICING

Discounted pricing on every Meraki hardware and software component passed directly to the client.

FIXED-PRICE GUARANTEED DELIVERY

Detailed fixed-price scope of work with zero variance and guaranteed outcomes. No surprises, no change orders.

OWN INSTALLATION CREWS

Full turnkey installation by BTI's own fleet of certified crews, lifts, and cabling infrastructure (fiber to copper). No subcontractors.

24/7 SOC, SIEM & NOC INTEGRATION

Round-the-clock monitoring, threat detection, and proactive management with full audit logging for FTC Safeguards and CPRA compliance.

GRC & COMPLIANCE FRAMEWORKS

Seamless integration with FTC Safeguards Rule, CPRA, and GLBA alignment. BTI's compliance documentation package supports your written information security program (WISP) requirements.

ISNETWORLD CERTIFIED

Approved on LA County TESMA, GSA, and CMAS contracts. Trusted by regulated industries.

LOCAL ON-SITE TEAMS

Rapid response teams in CA, AZ, and IL for fast, accountable service.

"BTI doesn't hand you a box of access points and walk away. We design, install, secure, and manage your wireless environment – and we stand behind every compliance outcome with a fixed price and our own crews."

IMPLEMENTATION BEST PRACTICES – BTI'S PROVEN DEPLOYMENT FRAMEWORK FOR FINANCIAL SERVICES

A successful financial services Wi-Fi deployment is not measured at go-live – it is measured at your next FTC Safeguards audit, your next CPRA compliance review, and 12, 24, and 36 months post-deployment, when the network continues to perform reliably and keep your organization audit-ready. BTI's comprehensive 7-step process ensures that every aspect of your wireless infrastructure is meticulously planned, deployed, and managed to meet the stringent demands of mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses.

01

NO-COST EKAHAU SITE & COMPLIANCE ASSESSMENT

BTI conducts a comprehensive Ekahau-powered site survey combined with a wireless compliance gap analysis against FTC Safeguards Rule and CPRA requirements. This initial phase identifies potential coverage weaknesses and regulatory non-compliance, culminating in a detailed coverage gap report, compliance findings, and a recommended Meraki MR architecture tailored to the needs of mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses.

02

FIXED-PRICE SCOPE OF WORK & COMPLIANCE DESIGN

Following the assessment, BTI produces a detailed fixed-price proposal. This comprehensive document itemizes all Meraki hardware, licensing, necessary cabling, installation labor, ongoing managed services, and essential compliance documentation. Our commitment is to zero variance and guaranteed outcomes, providing complete transparency and predictability in project costs for mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses.

03

EKAHAU PREDICTIVE DESIGN & VALIDATION

Leveraging Ekahau AI Pro, we perform full predictive RF design for all branch, office, lobby, and customer-facing zones. This advanced modeling includes precise channel planning and AP placement, along with coverage validation, ensuring optimal network performance and reliability before any physical infrastructure work begins. This proactive approach minimizes on-site adjustments and accelerates deployment for mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses.

04

TURNKEY INSTALLATION BY BTI'S OWN CREWS

BTI's certified installation crews manage every aspect of the physical deployment. From comprehensive cabling (fiber to copper) to precise AP mounting and meticulous Meraki Dashboard configuration, all work is performed in-house. This eliminates the need for subcontractors, guarantees consistent quality, and ensures full accountability throughout the installation process for mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses.

05

FTC SAFEGUARDS & CPRA SECURITY CONFIGURATION

We implement robust security configurations including full Meraki network segmentation (staff/guest/BYOD VLANs), activation of Intrusion Detection/Prevention Systems (IDS/IPS), enforcement of encryption standards, precise access control policy configuration, and comprehensive audit logging setup. A complete compliance documentation package is delivered to support your Written Information Security Program (WISP) requirements for mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses.

06

POST-INSTALLATION EKAHAU VALIDATION SURVEY

After installation, an on-site RF validation survey is conducted using Ekahau tools. This critical step confirms optimal coverage, verifies signal strength and roaming performance, and ensures seamless device connectivity across all designated zones. This final verification guarantees the network meets all design specifications and performance benchmarks before official handoff to mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses.

07

ONGOING MANAGED SERVICES & COMPLIANCE MONITORING

Our commitment extends beyond deployment with 24/7 Network Operations Center (NOC) and Security Operations Center (SOC) monitoring. This includes proactive alerting, automated firmware management, continuous Ekahau-driven optimization, and regular quarterly compliance reviews. All these essential services are included in one fixed monthly fee, providing peace of mind and sustained regulatory adherence for mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses.

TAKE THE FIRST STEP TOWARD COMPLIANT, HIGH-PERFORMANCE WIRELESS FOR YOUR FINANCIAL SERVICES ORGANIZATION

REQUEST A NO-COST EKAHAU-POWERED FINANCIAL SERVICES WI-FI & COMPLIANCE ASSESSMENT

Your branch staff, customers, and compliance obligations deserve wireless infrastructure that performs reliably, protects PII, and keeps your organization audit-ready under the FTC Safeguards Rule and CPRA. BTI Communications Group delivers exactly that – with expert Ekahau design, our own installation crews, and a fixed monthly fee that covers everything.

1. SITE SURVEY & PREDICTIVE DESIGN REVIEW

A no-cost Ekahau-powered assessment of your current wireless environment, coverage gaps, and a recommended Meraki MR architecture for mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses.

2. FTC SAFEGUARDS & CPRA READINESS WORKSHOP

A structured half-day workshop with BTI's engineering and compliance team to identify wireless compliance gaps, scope your remediation, and define your path to audit readiness for mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses.

3. FULL OPERATIONAL TRANSFORMATION PROPOSAL

A complete fixed-price proposal covering Meraki hardware, Ekahau design, turnkey installation, FTC/CPRA security configuration, compliance documentation, and ongoing managed services for mortgage banking and loan originators, tax preparation firms, flood and insurance services, independent financial advisors, accounting firms, escrow and title companies, and other financial services-adjacent businesses.

BTI's Fixed-Price | Own Crews | Ekahau-Designed | FTC & CPRA Compliant | Fully Managed Model means you get one partner, one price, and one point of accountability – from design to deployment to audit readiness.

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