From Oversight to Impact: How Blockchain Modernizes and Redefines U.S. Regulated Gaming

Tara Sue Clark   Michael Mendyk   Christopher Sanborn Ph.D.   Stephen Naylor

Gaming Benefits Corporation
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Abstract. Blockchain has matured well beyond its origins as the infrastructure behind Bitcoin. Once dismissed as a vehicle for speculative, unregulated finance, it is now recognized for its defining attributes: transparency, immutability, and decentralization. These qualities make blockchain uniquely suited to modernize compliance and oversight in regulated markets. Yet despite these strengths, adoption has stalled for more than a decade – not because the technology lacks capability, but because existing blockchains remain misaligned with compliance-driven environments. Public chains expose too much. Private chains conceal too much. Neither model effectively balances transparency and data privacy, both essential for deployment in regulated markets.

Nowhere is the case for blockchain more apparent – or more urgent – than in U.S. regulated gaming. Rapid digital expansion has outpaced the compliance processes and oversight frameworks meant to govern the industry. Online sports betting and casino platforms – powered by AI and real-time analytics – generate billions of transactions daily, while regulators remain constrained by legacy compliance systems. The result: widening enforcement gaps, growing blind spots in consumer protection, and persistent trust deficits – fueled by operators' misuse of AI pushing players to wager beyond their limits.

RegChain is a next-generation Layer-1 blockchain built to deliver the modernization needed to address the industry's most persistent challenges. It combines the transparency of public networks with the access controls of private systems, eliminating the trade-offs that have kept blockchain at the margins of regulated gaming. Engineered as a regulator-centric platform, RegChain realigns compliance with the realities of today's always-on gaming industry – transforming oversight into continuous, real-time verification and elevating social responsibility into measurable, industry-wide impact. Its core components – Decentralized Regulatory Monitoring and Auditing (dRMA), Blockchain-Enabled Bank Accounts (BEBA), and the Regulator Monitoring Dashboard (RMD) – establish a foundational infrastructure that drives innovation and delivers lasting value across the ecosystem. Regulators gain trust through unmatched transparency, without costly system upgrades. Operators transform compliance from a cost center into a source of credibility and strategic advantage. And the public regains confidence in both the integrity and the social value of gaming.

This impact spans every vertical: charitable gaming, sports betting, casinos, and state lotteries. RegChain strengthens player protections, enforces responsible AI practices, safeguards lottery integrity, and ensures charitable proceeds are converted into verifiable community benefits. For an industry long criticized for excess and social harm, it offers a future defined by transparency, accountability, and public benefit.

This whitepaper – prepared for regulators, operators, policymakers, compliance leaders, and nonprofit stakeholders – presents RegChain's vision, architecture, and roadmap. It demonstrates how blockchain modernizes compliance while providing a blueprint for regulated markets worldwide to balance innovation with social responsibility.