PRESS RELEASE

PACT Protocol Launches World's First AI-Verified Compliance Ledger

Deterministic Rules Engine Combined with Blockchain Attestation Creates New Standard for Regulatory Technology

FOR IMMEDIATE RELEASE

[City, State] — ARKA Systems LLC today announced the production launch of PACT Protocol, the first compliance operating system to combine deterministic rule execution, AI-powered analysis, and blockchain-based attestation into a unified platform.

PACT enables financial institutions, regulators, and compliance providers to execute regulatory rules with mathematical certainty while leveraging artificial intelligence for risk assessment and narrative explanation—all anchored to an immutable audit trail that cannot be altered after the fact.

"Compliance has operated on trust for too long," said [CEO Name], Chief Executive Officer of ARKA Systems. "PACT replaces trust with proof. Every decision is deterministic, every AI insight is attested, and every audit trail is cryptographically verified. This is what compliance infrastructure should have been from the beginning."

The Problem PACT Solves

Financial institutions spend over $37 billion annually on anti-money laundering compliance alone, yet 95% of alerts are false positives and less than 1% of illicit financial flows are detected. Current systems rely on inconsistent rule interpretation, mutable database logs, and AI black boxes that cannot be audited.

PACT addresses these fundamental weaknesses:

- **Deterministic Execution:** Rules produce identical outputs across all systems, eliminating interpretation variance
- **AI Attestation:** Every AI-generated insight is cryptographically signed with full provenance
- **Blockchain Anchoring:** Audit trails are written to a permissioned ledger that no single party can modify
- **One-Command Deployment:** Full compliance infrastructure deploys in hours, not months

Technical Innovation

PACT's four-layer architecture represents a fundamental reimagining of compliance technology:

PACT Engine executes compliance rules through a formally-specified virtual machine that guarantees bit-exact reproducibility across all nodes. The same transaction, evaluated against the same rules, produces identical results everywhere—a property no traditional compliance system can claim.

PACT AI integrates AWS Bedrock foundation models (including Claude) for risk scoring, anomaly detection, and natural language explanation. Unlike bolt-on AI solutions, PACT AI operates under strict architectural constraints: AI advises but cannot act autonomously, and every output is attested with input hashes, model versions, and confidence scores.

PACT Blockchain implements a permissioned Proof-of-Authority ledger where regulated entities operate validator nodes. This creates a shared source of truth for compliance decisions that no single institution can manipulate.

PACT Cloud provides multi-tenant compliance workflows, real-time event processing, and seamless integration with existing systems through a comprehensive API.

Government and Enterprise Traction

PACT has submitted a $50 million pilot proposal to U.S. Treasury for deployment across FinCEN, OFAC, and related agencies. The proposal targets an 80% reduction in SAR processing time and 70% reduction in false positive alerts.

"We've been briefing regulators for months, and the response has been overwhelmingly positive," said [CCO Name], Chief Compliance Officer at ARKA Systems and former [Agency] examiner. "Regulators want verifiable compliance—they're tired of auditing systems they can't trust. PACT gives them cryptographic proof."

Multiple top-20 U.S. banks are currently evaluating PACT for enterprise deployment, with production pilots expected to begin in early 2025.

Availability and Next Steps

PACT Protocol is available immediately for enterprise evaluation. The platform supports deployment on AWS GovCloud with a path to FedRAMP authorization for federal use cases.

Key capabilities now in production include:

- Anti-Money Laundering (AML) rule execution and SAR automation
- Sanctions screening with real-time interdiction
- Fair lending compliance with adverse action documentation
- Cross-border payment compliance
- 24+ domain-specific compliance plugins

ARKA Systems is actively engaging with banks, regulators, and compliance technology providers interested in building on the PACT platform.

About ARKA Systems LLC

ARKA Systems builds infrastructure for verifiable compliance. The company's PACT Protocol is the first compliance operating system to combine deterministic execution, AI attestation, and blockchain provenance into a unified platform. ARKA Systems is headquartered in [City, State] with a distributed engineering team.

Media Contact

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Additional Resources

- Technical Whitepaper: [URL]
- Architecture Documentation: [URL]
- Demo Environment: [URL]

PACT Protocol, PACT Engine, PACT AI, PACT Cloud, and PACT Blockchain are trademarks of ARKA Systems LLC. AWS and Amazon Bedrock are trademarks of Amazon.com, Inc.

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Boilerplate Variations

For Financial Media (Bloomberg, WSJ)

ARKA Systems LLC develops compliance infrastructure technology. The company's PACT Protocol enables financial institutions to execute regulatory rules with deterministic certainty, augment human oversight with attested AI, and anchor audit trails to blockchain. PACT addresses the $37 billion U.S. AML compliance market.

For Technology Media (TechCrunch, Wired)

ARKA Systems is building the AWS of compliance. PACT Protocol combines a deterministic rules engine, supervised AI via AWS Bedrock, and a permissioned blockchain into a single platform that deploys with one command. The company is targeting the $75 billion global regulatory technology market.

For Government/Policy Media (Politico, Government Executive)

ARKA Systems develops compliance technology for government and regulated industries. PACT Protocol enables agencies to enforce regulations with cryptographic verification, creating tamper-proof audit trails that can withstand legal scrutiny. The company has proposed a $50 million pilot program to U.S. Treasury.

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