NOVAK PROTOCOL EXTENSIONS

Industry Addenda: PL-X & PS-X

Supplementary Regulatory & Sector Requirements

Version 1.0 (Final Draft)

Sector-Specific Extensions

PL-X

Public-Law Addendum

Federal, Military, Regulatory, & Civic Systems

PS-X

Private-Sector Addendum

Commercial, Medical, Financial, & AI Systems

PL-X: Public Scope

PL-X applies strictly to government and regulatory bodies where public trust and legal accountability are paramount.

🏴 U.S. Federal Agencies (VA, DoD)

🔨 Judicial Automation

🛡️ Public Safety Systems

PL-X: Mandatory Controls

PL-X.1   Immutable Citizen Decisions (No retroactive edits)

PL-X.2   Multi-Verifier Requirement (Minimum 2 verifiers)

PL-X.3   Time-Anchored Ledger (UTC / NIST Atomic Clock)

PL-X.4   Regulatory Transparency (OIG/Legal Audit visibility)

PL-X.5   Mandatory Rule Publicity (Publicly viewable logic)
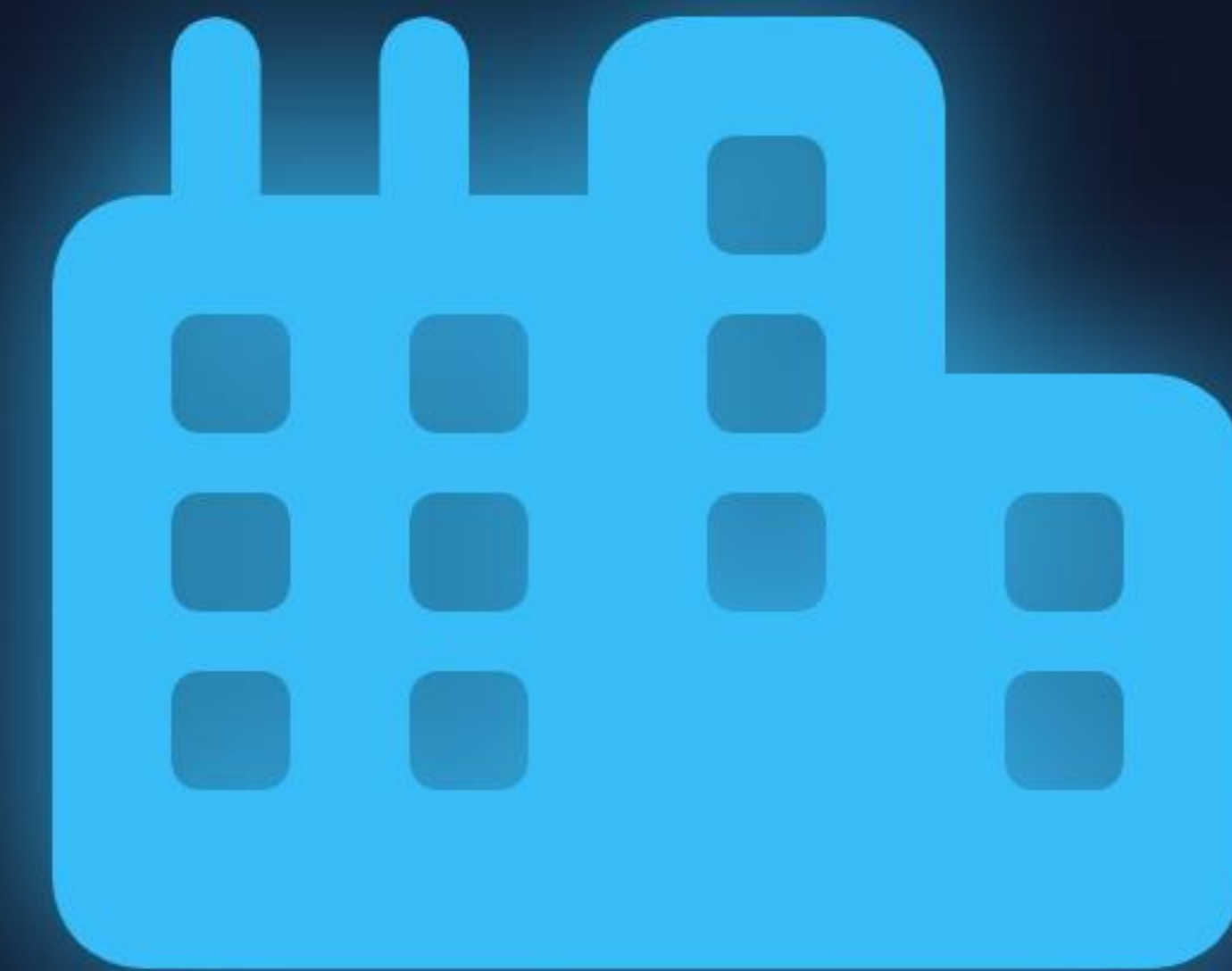
PS-X: Commercial Scope

PS-X applies to private sector entities where speed, liability protection, and business continuity are critical.

- Banks & FinTech

- Robotics & AI

- Healthcare Providers

PS-X: Mandatory Controls

PS-X.1   Bounded Latency (Must not slow business flow)

PS-X.2   Local-First Crypto (On-prem/On-device verification)

PS-X.3   Rollback Prevention (No untraceable reverts)

PS-X.4   Zero-Blind-Spot (All decision fields included in HD)

PS-X.5   Chain-of-Responsibility (Actor ID in every receipt)

Addenda Comparison

Feature	PL-X (Public)	PS-X (Private)
Verification	Multi-Verifier Required	Local/On-Device Allowed
Timing	Atomic/NIST Anchored	Bounded Latency Priority
Transparency	Public Rule Exposure	Audit-Only Visibility
Liability	Citizen Rights Focus	Chain of Responsibility

Questions?

NOVAK Protocol Standards Series

Category: Addenda PL-X & PS-X