PUBLIC-SECTOR AUDIT READINESS INITIATIVE | ZERO-COST, ZERO-PII SYNTHETIC EVALUATION BRIEF

ASCE GOVBEN CaaS (v10.0.0) — SYNTHETIC VALIDATION BRIEF

100% Deterministic Pre-Commit Statutory Interlock & Backlog Elimination Engine (Synthetic Benchmark)

Provider: ASCE Technologies LLC (Atlanta, GA & Louisville, KY) | **CAGE:** 26NM9 | **UEI:** T5SKKW6K5W55 | **D-U-N-S:** 14-873-9839
Enterprise Credentials: IBM Build Partner (CEID: 10x6kg) | Red Hat UBI 9 Preflight Validated (11/11 Pass) | **Patent:** USPTO App #64/168,240
Agency Cost & Risk: $0.00 (Zero Cost / Zero Procurement Commitment) | **Data Scope:** 100% Synthetic Packets (Zero Citizen PII)

1. Purpose of This 2.5-Minute / 14-Day Synthetic Evaluation

Public agencies, housing authorities, emergency management offices, and community action programs face severe casework backlogs alongside strict federal audit clawback exposure (FEMA OIG, HUD PIC/SEMAP, HHS LIHEAP/CSBG, USDA SNAP, CMS Medicaid). **ASCE Technologies LLC** invites your leadership team to test **ASCE GovBen CaaS (v10.0.0)** in a **zero-cost, zero-PII cloud sandbox** and—if the deterministic benchmark performs as represented—provide a factual **1-Page Operational Benchmark Attestation** (sample template on Page 2).

2. How ASCE GovBen Works Alongside Legacy Systems (Zero Rip-and-Replace)

• **Non-Invasive Pre-Commit "Statutory Fuse Box":** Sits ahead of existing agency portals, spreadsheets, or mainframe databases (HUD/PIC exports, FEMA NEMIS, IBM CICS/DB2/COBOL 80-column flat files, REST APIs) with **zero code changes** to your system of record.
• **100% Deterministic Statutory State Machine:** Audits synthetic casework packets at high throughput (**5,000-packet batches in 0.6s–3.4s; 10,000-case stress tests at 471 cases/sec with 0 mismatches** across 30 whitelisted CFR sections and 7 programs; bounded IBM Bob / watsonx explanations gated by statutory whitelist checks)—catching missing wet-ink signatures, income recertification discrepancies, missed statutory deadlines, and duplication-of-benefits errors *before* submission.
• **OMB M-24-10 Human-in-the-Loop & Cryptographic Receipt:** Every flagged exception enforces mandatory human reviewer sign-off and generates a tamper-evident **SHA-256 cryptographic audit receipt** for Inspector General / single-audit readiness.

3. Pre-Built Synthetic Statutory Rule Packs Ready for Immediate Testing

• **Emergency Management (44 CFR § 206.115):** Disaster IA/PA packet completeness, wet-ink verification, & Stafford Act Duplication-of-Benefits.
• **Public Housing Authorities (24 CFR § 982 / § 960):** Annual income recertification math, missing household verifications, & HUD SEMAP readiness.
• **Community Action & Human Services (LIHEAP / 7 CFR § 273 / 42 CFR § 435):** Seasonal utility/emergency assistance & redetermination triage.

4. Zero-Burden Evaluation Protocol (No IT Ticket, No Board Vote, No PII)

Step 1 (2.5-Min Self-Service or 15-Min Guided Run): Execute a 5,000-packet synthetic compliance run at **https://ascetech.org/validate**.
Step 2 (Optional 14-Day Sandbox Access): Your compliance or operations lead may test custom synthetic rulesets at zero cost.
Step 3 (1-Page Factual Benchmark Sign-Off — Page 2): Upon verifying the synthetic benchmark results, execute the factual 1-page Operational Benchmark Attestation (non-binding, zero financial obligation; your agency retains complimentary pilot priority).

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Self-Service Benchmark Portal: https://ascetech.org/validate | **Live Cloud Gateway:** https://asce-gateway.2fkm9wojoieo.us-south.codeengine.appdomain.cloud/

[SAMPLE TEMPLATE — PLACE ON OFFICIAL AGENCY / AUTHORITY / INSTITUTE LETTERHEAD]

OPERATIONAL BENCHMARK & STATUTORY VERIFICATION ATTESTATION

Subject: Independent Synthetic Compliance Evaluation — ASCE GovBen CaaS Pre-Commit Statutory Interlock (v10.0.0)

Date: _____, 2026 **Reference ID:** ASCE-VAL-2026-11
Evaluating Organization: _____
Evaluated System: ASCE GovBen CaaS v10.0.0 (ASCE Technologies LLC | CAGE: 26NM9 | UEI: T5SKKW6K5W55 | D-U-N-S: 14-873-9839)

1. Scope of Synthetic Operational Evaluation

Representatives of the undersigned organization conducted a non-procurement, zero-PII operational benchmark review of the **ASCE GovBen CaaS Pre-Commit Statutory Interlock & Backlog Elimination Engine (v10.0.0)** operating in an isolated Red Hat Universal Base Image 9 (UBI 9) cloud environment using synthetic public-benefit and compliance casework packets. No live citizen Personally Identifiable Information (PII) was transmitted, and no agency production systems were modified during this evaluation.

2. Verified Operational & Compliance Capabilities

During the synthetic benchmark demonstration and technical review, the evaluating reviewer(s) observed and verified the following functional capabilities:

[X] 100% Deterministic Pre-Commit Statutory Rule Enforcement: The engine deterministically evaluated synthetic benefit/compliance packets against codified federal and state regulatory criteria (sub-millisecond per-check deterministic evaluation; 5,000-packet synthetic batch audit; statutory whitelist validation) and accurately intercepted incomplete verifications, missing wet-ink signatures, deadline breaches, and duplication-of-benefits conflicts prior to final record commit.

[X] Non-Invasive Legacy System & Mainframe Compatibility: The middleware demonstrated non-invasive pre-commit operation alongside legacy casework portals and 80-column EBCDIC COBOL flat-file / REST data structures without requiring rip-and-replace modification of underlying databases or systems of record.

[X] Human-in-the-Loop Governance & Cryptographic Auditability: In alignment with federal AI and automation governance standards (OMB M-24-10), every flagged statutory exception enforced mandatory human reviewer disposition and generated a tamper-evident **SHA-256 cryptographic audit receipt** documenting the rule citation, timestamp, and remediation action.

3. Operational Assessment & Non-Endorsement Disclaimer

Based on the synthetic benchmark results observed, the undersigned confirms that the ASCE GovBen Pre-Commit Statutory Interlock demonstrates practical operational suitability for accelerating casework pre-screening, eliminating manual compliance backlogs, and strengthening pre-disbursement audit readiness in public-sector benefit and grant administration.
Note: This document records factual observations from a zero-cost synthetic technology evaluation only and does not constitute a financial commitment, sole-source procurement award, or exclusive commercial endorsement.

Authorized Reviewer Signature: _____ **Date:** _____
Printed Name & Official Title: _____
Agency / Authority / Institute: _____
Official Email & Phone: _____