

**CERTISYN**

VERIFICATION INFRASTRUCTURE

Responsible AI Statement

Certisyn's approach to artificial intelligence in verification infrastructure

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Author: Dr Joel Hillier, PhD MBA — Founder and CEO

Approved By: Dr Joel Hillier

Position

Certisyn uses artificial intelligence for evidence extraction and classification. Certisyn does not use artificial intelligence for verification computation. This distinction is fundamental to our architecture and is maintained by design.

GOVERNING LOGIC

AI assists in reading documents. Mathematics determines verification outcomes. The boundary between these functions is architectural, enforced, and auditable.

1. Where AI Is Used

Evidence Extraction: AI models assist in extracting structured data from unstructured evidence documents (financial statements, regulatory filings, corporate records). The extracted data is recorded as Normalised Evidence Records (NERs) with full provenance tracking.

Evidence Classification: AI assists in classifying evidence sources into the four-tier credibility hierarchy (Primary Verified, Secondary Verified, Secondary Unverified, Contextual).

Document Processing: AI assists in the evidence intake pipeline for text extraction, entity recognition, and schema field population.

2. Where AI Is Not Used

Confidence Computation: The Certisyn RC Engine is a deterministic mathematical function using fixed-point decimal arithmetic. No AI model, no neural network, no probabilistic inference.

State Assignment: Verification states (VERIFIED, PARTIALLY_VERIFIED, etc.) are assigned by threshold comparison against computed confidence values. No AI judgment.

Contradiction Detection: The Certisyn CD module performs algorithmic comparison of evidence values across three dimensions. No AI interpretation.

Derivation Chain: SHA-256 cryptographic hashing. No AI involvement.

3. Why This Matters

Institutional reliance requires reproducibility. If two institutions process the same evidence through the same policy version, they must get the same result. AI inference models do not guarantee this. Mathematical functions do. By confining AI to the extraction layer and keeping the computation

layer deterministic, Certisyn produces outputs that are auditable, reproducible, and suitable for institutional reliance in regulated environments.

4. EU AI Act Alignment

The AI components used by Certisyn operate in the evidence extraction layer and do not make autonomous decisions affecting individuals or organisations. The verification computation that produces institutional outputs is performed by deterministic algorithms, not by AI systems. This architecture is designed to be compatible with the risk-based framework of the EU AI Act.

5. Continuous Review

Certisyn reviews its AI usage practices quarterly. Any expansion of AI into new functions within the platform is subject to architectural review to ensure that the deterministic computation guarantee is maintained. Contact: legal@certisyn.com.