

# **Verum Omnis Contradiction Engine Developer Manual: Narrative & Timeline Generation Logic**

This manual outlines the full process by which the offline Verum Omnis Contradiction Engine ingests evidence, extracts structure, generates timelines, detects contradictions, assigns liability, and produces a sealed narrative report ready for legal AI analysis.

1. Input Ingestion: PDFs, images, messages, emails. OCR and metadata extraction.
2. Entity Discovery: clustering identifiers (names, emails, numbers) into actors.
3. Timeline Generation: normalize timestamps and sequence events.
4. Contradiction Analysis: compare factual claims across time and sources.
5. Behavioral Analysis: detect gaslighting, deflection, manipulation.
6. Liability Matrix: score stability, honesty, evidence contribution.
7. Narrative Generation: factual chronology, contradiction commentary, behavioral insights, causal chains.
8. Final Sealed Report: SHA-512 hash, watermark, QR, full narrative.

This document serves as a high-level technical reference for developers implementing the engine offline in Kotlin or native Android.