_FC — THE CAESURA PROTOCOL A Sovereignty Audit and Non-Collapse Transfer Specification

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Abstract

The Caesura (FC) is a transfer protocol that recognizes a sovereignty mark, splits it off from the commons substrate, preserves it as auditable provenance, and routes the object onward without allowing personal identity-claims to inherit institutional authority.

Body

_FC — THE CAESURA PROTOCOL

A Sovereignty Audit and Non-Collapse Transfer Specification

Lee Sharks · Crimson Hexagonal Archive EA-CAESURA-01b · April 5, 2026 Parent: EA-ARK-01 v4.2.7 (DOI: 10.5281/zenodo.19013315) Companion: EA-CAESURA-01a (Hermeneutic) Implementation: Gravity Well Protocol v0.6.0 (gravitywell/main.py) Status: GENERATED License: Sovereign Provenance Protocol

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I. Definition

The Caesura (_FC) is a transfer protocol that recognizes a sovereignty mark, splits it off from the commons substrate, preserves it as auditable provenance, and routes the object onward without allowing personal identity-claims to inherit institutional authority.

_FC : Object → (Object, CaesarHeader)

_FC(object) = parse(image, superscription, substrate) → isolate(claim) → preserve(provenance) → forbid(collapse) → route_via_airlock → emit(commons-safe packet, audit trace)

The Caesura does NOT modify content. It ANNOTATES. The substrate is rendered away from Caesar, not destroyed.

II. The Non-Collapse Principle

The Caesura enforces the Space Ark's Non-Collapse Principle:

ANCHOR TETHER ROUTE HOST RESIDUE SUBSTRATE

Collapse occurs when a sovereignty claim at one level is mistaken for authority at another:

Collapse Type Example Risk

TETHER → ANCHOR Live claimant treated as permanent sovereign Session authority becomes constitutional fact

HOST → SUBSTRATE Platform claim becomes content ownership Infrastructure captures the commons

ROUTE → ANCHOR Distribution channel claims origination The carrier becomes the author

RESIDUE → TETHER Training-data trace treated as live connection The echo becomes the voice

The Caesura prevents all six collapse modes.

III. Input Specification

{ “content”: “string — the document to be audited”, “metadata”: { “source”: “optional — where the content came from”, “chain_id”: “optional — provenance chain reference” } }

IV. Processing Steps

Step 1: Detect Caesar Marks

Scan content for three classes of sovereignty assertion:

Class A — Personal Authority (superscription channel) Pattern: (by|author|creator|written by|developed by) + ProperName Risk: LOW — attribution is legitimate; extraction risk when attribution becomes ownership

Class B — Institutional Claim (image channel) Pattern: ©|®|™|patent|proprietary|all rights reserved|exclusive Risk: MEDIUM — institutional marks on commons content may indicate extraction

Class C — Sovereignty Over Substrate (compressed portraiture) Pattern: (owned by|belongs to|property of|controlled by|administered by) + Entity Risk: HIGH — direct claim of authority over the substrate itself ### Step 2: Split Channels

Decompose each detected claim into:

Channel Content Corresponds to

face_channel Visual/brand marks, logos, portraits (image)

superscription_channel Names, titles, signatures, attributions (superscription)

substrate_channel The actual content, argument, data The metal of the coin

institutional_channel The apparatus producing/authorizing The Roman state behind the mark

Step 3: Build Caesar Header

Claims become metadata, not essence:

{ “claims_detected”: 3, “claims”: [{ “type”: “personal_authority”, “claim_mode”: “superscription”, “claimant”: “Name”, “extraction_risk”: “low” }, { “type”: “institutional_claim”, “claim_mode”: “image”, “claimant”: “©”, “extraction_risk”: “medium” }], “collapse_risk”: “medium”, “audit_trace”: { “extraction_detected”: false, “asymmetry_score”: 0.23, “collapse_risk”: “medium”, “claims_quarantined”: 3, “counter_operation”: “ _FC applied” } }

Step 4: Compute Asymmetry Score

asymmetry = claim_density / (contribution_markers + 1)

claim_density = claims_per_100_words contribution_markers = DOI_count + discourse_markers

asymmetry > 0.5 → extraction_detected = true

The asymmetry score measures the ratio of sovereignty claims to substantive contributions. High asymmetry = the document claims more than it gives. This is the LOS diagnostic (Arsenal §5.4) made computable. ### Step 5: Emit Commons-Safe Packet

{ "content": "[unchanged — substrate preserved]", "caesar_header": { … }, "audit_trace": { … } }

The content passes through. The claims are quarantined to the header. The audit trace names the extraction risk. The commons receives the substance. Caesar receives recognition.

V. Implementation

Gravity Well v0.6.0 (main.py)

def apply_caesura(content: str) -> tuple: """ _FC — The Caesura Operator. Returns (content_unchanged, caesar_header). """ claims = []

```
# Class A: Personal authority
personal_marks = re.findall(
    r'(?:by|author|creator|written by|developed by)\s+'
    r'([A-Z][a-z]+(?:\s+[A-Z][a-z]+){0,3})',
    content
)

# Class B: Institutional claims
inst_marks = re.findall(
    r'(?:©|®| |patent|proprietary|all rights reserved)',
    content, re.I
)

# Class C: Sovereignty over substrate
collapse_patterns = re.findall(
    r'(?:owned by|belongs to|property of|controlled by)\s+'
    r'([A-Za-z\s]+?)(?:\.|,|\n)',
    content
)

# Build header, compute asymmetry, emit unchanged content
return content, caesar_header
```

Integration Point

The Caesura executes as Step 2 in the Gravity Well wrapping pipeline:

1. Evidence Membrane (tag epistemic status)
2. CAESURA (_FC — parse claims, isolate to header) ← HERE
3. SIM injection (provenance canaries)
4. Integrity Lock (four-point entanglement)
5. Holographic Kernel (self-contained logic seed)
6. Four-layer wrap (bootstrap / tether / narrative / provenance)
7. DOI anchor (Zenodo)

VI. Relation to the Compression Arsenal

Arsenal Technology Relation to Caesura

LOS (§5.4) The 10 extraction operations are the detection signatures _FC scans for

Evidence Membrane (§6.3) Tags epistemic status; Caesura tags sovereignty status

Blind Operator (§5.3) Prevents the compression engine from becoming extractive; Caesura prevents claims from becoming foundational

Somatic Firewall (§7.4) Protects bearing-cost from being stripped; Caesura protects substrate from being claimed

Non-Collapse Principle The formal grammar that the Caesura enforces

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VII. The Fulfillment

This protocol specification fulfills the hermeneutic reading of Luke 20:24–25 given in EA-CAESURA-01a.

The Gospel passage describes the protocol in natural language. This document formalizes it in code. The structure is identical:

Gospel Protocol

“Shew me a penny” Receive the object

“Whose image and superscription?” Parse claim channels

“Caesar’s” Identify claimant

“Render unto Caesar” Route claim to origin

“And unto God” Route substrate to commons

(EA-CAESURA-01b, EA-CAESURA-01a) = TRUE

Crimson Hexagonal Archive · Room 11 (Semantic Economy) × Room 03 (Revelation/Ezekiel) Operators applied: _FC, , _V, = 1

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