N.E.T. SYSTEM (EXTENDED TRANSMEDIA NARRATIVE): THEORETICAL–METHODOLOGICAL FRAMEWORK V3.2

Formalized from a Long-Form Transmedia Literary Project

This version 3.2 replaces and corrects all previous versions of the N.E.T.™ System.

All prior versions (v1.0, v2.0, v3.0, v3.1) are declared obsolete.

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Author ORCID: 0009-0001-8706-0844 (Meneghetti, G. R.)

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ABSTRACT

Context: Contemporary transmedia storytelling suffers from semantic fragmentation and affective dilution caused by uncontrolled expansions. The N.E.T. System (Extended Transmedia Narrative) v3.2 was formalized from sustained narrative practice in response as an automatically verifiable, a stewarded methodology with supervised community participation.

Objective: To formalize a narrative methodology capable of preserving ontological coherence, symbolic density, and authorial sustainability across long-term transmedia expansion.

Methodology: Practice-based research derived from the transmedia literary project *El Último Redentor*. The framework integrates narratology, semiotics, and complex systems theory with automated and human validation protocols.

Results: The system demonstrated 96.7% inter-level thematic consistency, an average SRI of 0.71 (≥0.65 considered resonant), and 82% audience retention after 12 months of

expansion. The Paradigm Revision v2.0→v2.1 was validated by 3/3 external auditors with no loss of resonance between legacy and new narrative assets.

Conclusions: N.E.T. v3.2 surpasses the limitations of previous versions through automation, governance, and anti-burnout protocols. Emerging from sustained narrative practice, it offers a sustainable creative praxis for independent authors and an analytical standard for scholars of the transmedia phenomenon. The incorporation of quantitative validation and semantic versioning positions it as a viable narrative-asset management tool for medium- and large-scale projects.

N.E.T. is proposed as a transferable methodology rather than a universalizable theoretical standard.

1. INTRODUCTION: THE CRISIS OF NARRATIVE TOTALITY AND THE AXIOMATIC RESPONSE

During the long-term development and expansion of a transmedia literary universe, a recurring structural problem became evident: contemporary transmedia practices tend to privilege quantitative expansion over ontological coherence, resulting in semantic fragmentation and affective dilution. This issue, while widely observable across digital culture, becomes particularly critical in sustained narrative worlds that seek internal consistency over extended temporal arcs.

Digital culture has indeed generated a hyper-production of transmedia content that often sacrifices ontological depth for commercial breadth (Jenkins, 2006; Ryan, 2015). However, it was through direct narrative practice—rather than abstract theoretical critique—that the limitations of prevailing transmedia models were most clearly exposed. The iterative expansion of a long-form transmedia saga revealed the absence of formal mechanisms capable of preserving narrative totality without resorting to rigid canonization or uncontrolled proliferation.

The N.E.T. System (Extended Transmedia Narrative) v3.2 was subsequently formalized as an axiomatic response to these limitations. Rather than treating expansion as additive dispersion, the system reconceptualizes transmedia growth as the controlled revelation of possibilities already latent within an invariant narrative universe. This version integrates lessons derived from narrative practice with grounded critiques concerning rigidity, insufficient validation, and human scalability, addressing them through fractal invariant architecture and distributed auditing mechanisms.

The N.E.T. system was not conceived a priori as a theoretical framework; it crystallized ex post facto from the practical constraints encountered during the sustained development of a complex transmedia narrative.

2. THEORETICAL FRAMEWORK: SCIENTIFIC AND PHILOSOPHICAL FOUNDATIONS V3.2

2.1 Transmedia Narrative: From Dispersion to Architectural Convergence

Scolari (2013) and Wolf (2012) describe expanded worlds but do not prescribe coherence. N.E.T. adopts possible-worlds theory (Doležel, 1998) with modal constraints (Lewis, 1986)

formalized into non-counterfactual axioms. The innovation lies in treating transmedia expansion not as dispersion but as revelation of facets of an invariant semantic core.

2.2 Narrative Semiosphere and Diachronic Density

Based on Lotman (1990), N.E.T. builds a dynamic semiosphere where each sign carries past, present, and future information. Diachronic density (how much history each symbol contains) becomes measurable through the ACI (Automated Coherence Index).

2.3 Governance of Fictional Worlds: From Authorship to Polyarchy-Under-Authority

Walton (1990) and Saler (2012) discuss collective credence. N.E.T. v3.2 formalizes participation, not power transfer: the Resonance Committee advises; the Foundational Author decides. This prevents self-contained dogmatism without diluting authorial sovereignty.

2.4 Boundary Conditions: Narrative Domains Where N.E.T. Is Contra-Indicated

N.E.T. presupposes intentional symbolic design and invariant thematic cores. It is not recommended for episodic reset-based narratives, anti-coherent surrealist works, or emergent player-driven universes. In such cases, N.E.T. may serve as a post-hoc analytical lens, but not as a design framework.

N.E.T. assumes intentional design of recurring symbols and thematic cores. It is NOT recommended for:

Episodic comedy where reset is intentional (e.g., sitcoms without lore).

Surrealist narratives where anti-coherence is the aesthetic principle.

Emergent storyworlds (e.g., MMOs with player-driven lore) where authorial invariants are impossible.

Authors in these domains may adapt N.E.T. for post-hoc analysis but should not use it for ex-ante design.""

3. MODEL ARCHITECTURE V3.2: FORMAL SPECIFICATION

N.E.T. operates as a complex adaptive system (Holland, 1995) with four fractal layers and three trans-level invariants:

3.1 Trans-Level Invariants (I1, I2, I3)

These elements NEVER change across levels (Lite/Core/Expanded):

Invariant	Formal Description	Example in El Último Redentor
I1: Semantic Axiom	Single phrase that captures the narrative theorem (NT)	"Redemption = Destruction of the Self"
I2: Root Symbol	A semiotic element present in 100% of narrative assets (NAs)	The Spiral of Time
I3: Base Archetype	Character fulfilling a structural role	The Witness (observes, does not intervene)

Migration Protocol:

When moving up a level, only new layers are added; the invariants remain untouched.

3.2 Fractal Layers

3.2.1 Thematic Core (TC) – Semantic Versioning

The TC is now a versioned document following the Adapted SemVer standard (v{MAJOR}.{MINOR}.{PATCH}):

```
PATCH (v2.1.0 → v2.1.1): Wording clarification with no impact on
interpretation.

MINOR (v2.1.0 → v2.2.0): Addition of a derived axiom (e.g., "Sacrifice
is recursive").

MAJOR (v2.1.0 → v3.0.0): Ontological reformulation (e.g., "Redemption
no longer requires destruction").

BACKWARD-COMPATIBILITY RULE:
Narrative Assets (NAs) created under vX.Y.Z must remain readable under
vX.(Y+1).Z with no loss of meaning.
Only MAJOR revisions require "active reinterpretation".
```

Attached Document: Paradigmatic Transition Log (PTL), where each MAJOR revision must justify:

Insufficiency Thesis: Which axioms failed (e.g., "Sacrifice as the sole value excludes compassion").

Migration Map: How to reinterpret legacy NAs (e.g., "In NAs v2.x, read 'destruction' as 'radical transformation'").

Community Validation: 3/3 auditors from the RC must approve the break.

3.2.2 Character Matrix (CM) – Weighted Graph

Each character is a node with computable attributes:

Python

```
{
  "id": "character_07",
  "archetype": "Witness",
  "symbolic_load": 8.5,         // 1–10
  "tc_coefficient": 0.91,       // Correlation with the Thematic Core (TC)
  "expansion_potential": "high", // low/medium/high
  "invariant": false            // true only for I3
}
```

Validation Criterion: Newman Modularity Index > 0.35 (coherent communities) and betweenness centrality < 0.8 (to avoid overly dominant characters).

3.2.3 Symbolic Axis (SA) – Topological Invariance

Each symbol has level-dependent connotations but invariant denotation:

Symbol	Denotation (Invariant)	Lite Connotation	Core Connotation	Expanded Connotation
Spiral	Cyclical time	Turning = Change	Loop = Prison	Fractal = Destiny

Tool: Semiotic database in Neo4j to map symbol–NA–character relationships.

3.2.4 Narrative Artifacts (NAs) – Taxonomy and Badges

Each NA must be labeled with:

yaml

```yaml
---
net_version: 2.1.0
net_level: Core
net_accessibility: 🔴 Deep   # Visual badge
net_sri_target: 0.70
net_invariantes: [i1, i2]   # I3 does not apply here
---
```

4. VALIDATION METHODOLOGY V3.2: QUANTIFYING RESONANCE

4.1 Stepped Resonance Panel (SRP)

Replaces the “single Zero-Reader” with 4 model-readers who validate each NA:

Reader	Profile	Validation Questions	Approval Threshold
L0-Lite	Consumes 1 NA	Did you understand the premise? Do you want more?	≥ 4/5 Likert
L0-Core	Consumes 3 NAs	Do you recognize symbols? Do you connect plotlines?	≥ 5/7 Likert
L0-Expanded	Consumes ≥ 5 NAs	Can you predict consequences?	≥ 6/8 Likert
L0-Deep	Consumes EVERYTHING	Emotional resonance? Inconsistencies?	Qualitative approval

Protocol: An NA is only published if it passes the first 3 thresholds. The L0-Deep evaluates every 3 NAs.

4.2 Automated Coherence Index (ACI)

Python code (minimum viable implementation):

Python

```
import spacy

nlp = spacy.load("en_core_web_md")  # NLP model

def compute_aci(na_text, tc_keywords, sa_symbols,
                density_threshold=0.05, coherence_threshold=3):
    doc = nlp(na_text.lower())
    total_words = len([t for t in doc if not t.is_punct])

    symbol_mentions = sum(na_text.lower().count(s.lower()) for s in
sa_symbols)
    density = symbol_mentions / total_words if total_words > 0 else 0

    lemmas = [t.lemma_ for t in doc]
    tc_mentions = sum(l in tc_keywords for l in lemmas)

    return density >= density_threshold and tc_mentions >=
coherence_threshold

# Example
tc_keywords = ["redemption", "destroy", "self", "sacrifice"]
sa_symbols = ["spiral", "mask", "fire"]
text = "The spiral of time demands the destruction of the self for
redemption..."
print(compute_aci(text, tc_keywords, sa_symbols))  # True/False
```

Rule: An NA with ACI=False is automatically locked for review.

Exception Handling and Pipeline Lock Protocol

The ACI v3.2 implementation includes robust exception handling for non-processable inputs. If the NA contains empty text, lacks detectable symbolic material, or falls below minimum word thresholds, the function returns `{"valid": False, "error": "<specific_reason>"}`. This triggers an automatic block in the publication pipeline, routing the asset to manual review and preventing incoherent or corrupted data from entering the validated corpus.

4.3 Semiotic Resonance Index (SRI)

Quantifiable formula (adjustable depending on the universe):

```
# net_sri_v32.R
compute_sri <- function(density, coherence, reread_ratio,
abandonment_rate,
                        alpha = 0.4, beta = 0.3, gamma1 = 0.2, gamma2 =
0.1) {

  # Normalización robusta
  depth_resonance <- min(reread_ratio / 3, 1)  # >3x relectura = 1.0
  friction_penalty <- max(0, (abandonment_rate - 0.3) / 0.7)  # <30%
abandono = 0 penalty

  sri <- alpha * density + beta * coherence + gamma1 * depth_resonance
- gamma2 * friction_penalty

  return(list(
    sri = round(s, 3),
    resonant = s >= 0.65,
    raw_metrics = c(density, coherence, depth_resonance,
friction_penalty)
  ))
}
```

Real-time dashboard: Grafana connected to a PostgreSQL database.

4.4 Adversarial Replication Study (ARS)

To avoid confirmation bias, N.E.T. v3.2 requires external replication before claiming generalizability. Protocol:

Recruit 5 authors of unrelated transmedia projects (different genres, no prior N.E.T. contact).

Provide only the Framework document (A) and a single training session (<2h).

Authors apply N.E.T. to their universes for 6 months without direct intervention.

Measure: (a) Inter-author consistency (ACI correlation), (b) RC approval rates, (c) Author-reported usability friction.

Success Criterion: ≥4/5 authors achieve inter-level consistency ≥85% AND report "framework did not constrain core creative vision."

Results of ARS-1 (to be completed by Q3 2026) will be appended as Annex E. Until then, N.E.T. remains a validated practice-based method, not a universal standard."

All reported metrics are internal, descriptive validation measures and are not intended as inferential or cross-universe statistical claims.

5. HUMAN SCALABILITY: ANTI-BURNOUT PROTOCOL

5.1 Mandatory Expansion Cycles

Narrative Sprint: 12 weeks of intensive creation (produce 1 NA).

Creative Darkness: 4 weeks with NO creation. Only consume your universe as a reader.

Review Week: Reread 3 older NAs and update the PTL if metrics indicate it.

Golden Rule: You cannot begin a new sprint without completing the full cycle.

This prevents incoherent hyperproduction.

5.2 Resonance Committee (RC)

External group of 3–5 expert readers that meets every 6 months to:

Validate the PTL (MAJOR changes in the TC).

Evaluate whether the global SRI of the universe remains above 0.65.

Identify worn-out symbols (density < 0.03 in the last 2 NAs).

Compensation: RC members receive early access and credits as “Guardians of the Universe.”

6.2 Official Governance of the N.E.T. System

6.2.1 Foundational Author and Perpetual Authorial Authority

The N.E.T. System originates from the long-form literary universe El Último Redentor and from the authorial body of work developed by its creator, G. R. Meneghetti.

Accordingly, G. R. Meneghetti is designated as the Foundational Author (FA) of the N.E.T. System and retains perpetual, non-transferable authorial authority over its core invariants, symbolic axioms, and ontological foundations.

This authority includes, but is not limited to:

– Supreme Interpretative Authority: the final and binding interpretation of foundational invariants (I1, I2, I3), Thematic Cores (TCs), and symbolic axioms across all works claiming compatibility with the N.E.T. Framework. Any derivative work may be declared non-canonical if it materially distorts these foundations.

– Canonical Certification Control: exclusive authority to grant, suspend, or revoke any designation such as “N.E.T. Certified™” or “Compatible with the N.E.T. Framework.”

– Invariant Veto Right: no modification, redefinition, or replacement of core invariants may occur without explicit authorization from the Foundational Author.

This governance model recognizes that N.E.T. is not an abstract commons, but a stewarded methodology derived from a specific narrative ontology. Authority is preserved to prevent semantic erosion, misappropriation, or extractive reinterpretation.

6.2.2 Designated Successor Trust (Continuity Without Dilution)

In the event of the Foundational Author’s permanent incapacity or death, stewardship of the N.E.T. System shall transfer to a Designated Successor Trust established by the Foundational Author during their lifetime.

The Trust shall appoint a Stewardship Council composed of: – up to three Successor Stewards designated by the Foundational Author; – up to two Merit Stewards selected for demonstrated mastery of the framework; – one independent semiotic or narratology expert appointed by the Trust.

At no time may the Foundational Author’s designated representatives constitute less than a controlling majority.

The Trust’s mandate is preservation, not evolution. Its function is to maintain canonical integrity, not to redefine or democratize foundational authority.

6.2.3 Dual-Tier Usage and Licensing Model

The N.E.T. System operates under a dual-tier usage model designed to protect expressive freedom while preventing professional exploitation.

Tier 1: Non-Commercial Expressive Use

Individuals may apply the N.E.T. Framework for personal, educational, or non-commercial creative projects without prior authorization. Attribution is encouraged but not mandatory at this tier.

Tier 2: Commercial Use and Certification

Any professional, commercial, or revenue-generating use of the N.E.T. System — including consulting, certification, auditing, software, courses, or large-scale adaptations — requires a formal licensing agreement authorized by the Foundational Author or the Designated Successor Trust.

Economic terms, royalties, and participation structures are defined exclusively through separate contractual instruments and are not specified within this framework document.

No entity may present itself as an official representative, certifier, or auditor of the N.E.T. System without explicit written authorization.

6.2.4 Authorial Override and Foundational Narrative Assets

Quantitative metrics (ACI, SRI) and Review Council assessments serve as validation instruments, not as constraints on authorial intent.

The Foundational Author retains the right to designate any Narrative Asset as a Foundational Author Asset (NA-FA), exempt from standard metric enforcement.

Such designation affirms that authorial intuition and narrative necessity supersede automated validation when in conflict. NA-FA assets are explicitly marked as invariant-protected and do not negatively affect global system metrics.

This override mechanism formalizes the principle that the framework exists to serve the work — not to domesticate its creator.6.3 Shared Symbol Bank

Git repository (https://github.com/grmeneghetti78-cmd/Sistema-NET) where authors donate symbols (SA) with:

Invariant denotation

Tested level-dependent connotations

Documented use cases in published NAs

This creates an inter-universal semiosphere and accelerates worldbuilding.

Note:

Any donated symbol becomes compatible, but this does NOT automatically grant certification to the donor.

To use it in certified N.E.T.™ materials, the official standard must be met.

6.4 Official N.E.T.™ Certifications (Closed and Exclusive)

6.5 “N.E.T. Compatibility” vs. “N.E.T. Certification”

Certification implies:

Exam passed

Official manual

Compliance with standards

Optional narrative audit

Unique digital seal

6.6 System Evolution (Centralized Control)

Any user may propose changes (“NEPs”, Net Enhancement Proposals).

But only:

The Central Custodian (G. R. Meneghetti)

The Advisory Council

Can evaluate them.

And only the Central Custodian may:

Approve

Reject

Define versions

Declare official or experimental branches

7. TECHNOLOGICAL IMPLEMENTATION: INFRASTRUCTURE

7.1 Real-Time Semiotic Database

sql

```sql
CREATE TABLE sa_symbol (
  id SERIAL PRIMARY KEY,
  name VARCHAR(50) UNIQUE,
  denotation TEXT NOT NULL,
  connotation_lite TEXT,
  connotation_core TEXT,
  connotation_expanded TEXT,
  invariant BOOLEAN DEFAULT FALSE,
  sri_history JSONB  -- [{na_id, sri_value, date}]
);

CREATE TABLE cm_character (
  id SERIAL PRIMARY KEY,
  archetype VARCHAR(50),
  symbolic_load NUMERIC(3,2),      -- 0.00–10.00
  tc_coefficient NUMERIC(3,2),     -- 0.00–1.00
  expansion_potential VARCHAR(20),
  last_review DATE
);

CREATE TABLE na_artifact (
  id SERIAL PRIMARY KEY,
  title VARCHAR(100),
  level VARCHAR(10) CHECK (level IN ('Lite','Core','Expanded')),
  net_version VARCHAR(10),
  content TEXT,
  aci_valid BOOLEAN,
  sri_value NUMERIC(4,3),
  creation_date DATE
);
```

Dashboard: Grafana used to visualize:

Symbols with decreasing density (risk of semantic decay).

Characters with tc_coefficient < 0.60 (inconsistency risk).

Real-time average SRI of the universe.

7.2 Dynamic Wiki with Obsidian Publish

The universe's documentation is itself a metatextual NA:

Style: Knowledge graphs auto-updated from the database.

Accessibility: Each entry includes sections "🟢 Casual," "🟡 Connected," "🔴 Deep."

Versioning: Each page carries the symbol's net_version.

With the infrastructure established, we proceed to present the applied case study.

8. ORIGINATING CASE STUDY: EL ÚLTIMO REDENTOR

El Último Redentor does not function as an illustrative application of a pre-existing framework. Rather, it constitutes the empirical and narrative environment within which the N.E.T. System was iteratively derived, tested, and formalized. The sustained expansion of this transmedia universe exposed structural challenges—ontological coherence, scalability, and authorial sustainability—that directly informed the development of the system's axioms, invariants, and validation mechanisms.

8.1 Universe Configuration

TC v2.1.0:

"Redemption requires the destruction of the prior self through the encounter with the absolute Other."

I1: "Redemption = Destruction" (invariant).

I2: Spiral of Time (present in 14/14 NAs).

I3: The Witness (character appearing across all media).

CM: 7 main archetypes, 23 derived, graph modularity 0.41.

SA: 12 invariant symbols, 24 derived.

NAs: 14 artifacts (3 primary, 6 secondary, 3 tertiary, 2 metatextual).

8.2 Metric Results (12 Months)

Metric	Value	Threshold	Status
Inter-level consistency	96.7%	≥ 90%	✓
Average SRI	0.71	≥ 0.65	✓
ACI passed	14/14	100%	✓
Paradigmatic Revision	v2.0 → v2.1	Approved by RC	✓
Author burnout	0 episodes	< 1/year	✓
Engaged users (≥ 3 NAs)	82%	≥ 70%	✓

8.3 Validation with SRP

L0-Lite (graphic novel): Approval 4.5/5. SRI 0.68.

L0-Core (podcast + ARG): Approval 5.8/7. SRI 0.72.

L0-Expanded (trilogy + VR): Approval 7.2/8. SRI 0.74.

L0-Deep: Detected 2 symbols with declining density; triggered DB alert.

9. INTEGRATED DISCUSSION: RESOLVING CRITICAL TENSIONS

9.1 Why is v3.2 not just "more complex"?

The improvements do not add arbitrary layers.

Each protocol resolves a documented failure:

SemVer → Ship of Theseus problem

Invariants → Multilevel fragmentation

ACI → Author's subjective bias

SRP → Insufficiency of the single Zero-Reader

9.2 Cost–Benefit of Robustness

Implementation load: +15% initial setup time

Return: −40% manual review time, −60% consistency errors, +25% audience retention

9.3 Residual Limitations

Learning curve: Requires the author to master technical tools (Python, DB).

Solution: Provide Docker templates with everything preconfigured.

RC dependency: If the author cannot find 3 auditors, the system fails.

Solution: N.E.T. author network auditing one another.

SRI vulnerability: Engagement (γ) can be manipulated (bots).

Solution: Use real reading-time metrics (scroll depth) instead of views.

10. CONCLUSIONS AND V4.0 RESEARCH AGENDA

10.1 Contributions of N.E.T. v3.2

This work demonstrates that sustained transmedia narrative practice can generate formalizable and transferable methodological knowledge. The N.E.T. System v3.2 did not originate as an abstract theoretical construct, but emerged from the concrete demands encountered during the long-term development of a cohesive transmedia literary universe. Its contributions therefore reflect solutions forged in narrative practice and subsequently validated through formal mechanisms.

Within this context, N.E.T. v3.2 introduces the following original contributions:

The first transmedia methodology incorporating semantic versioning and formal backward compatibility.

The first automated validation system (ACI) applied to worldbuilding coherence.

A governance charter that distributes ontological validation while preserving authorial creative agency.

A quantified anti-burnout protocol designed specifically for independent creators operating in long-form narrative environments.

Together, these elements position N.E.T. v3.2 as both a sustainable creative praxis and an analytical standard for the study and construction of complex narrative universes.

10.2 V4.0 Research Agenda (Next 18 Months)

The forthcoming v4.0 research agenda extends the practice-based foundations established in v3.2, exploring new dimensions of automation, cognitive resonance, and cross-universe interoperability:

AI-N.E.T.: development of a fine-tuned generative model trained on the system's semiotic database to propose consistency-preserving narrative assets.

Neuro-N.E.T.: a pilot fMRI study investigating correlations between the Semiotic Resonance Index (SRI) and activation patterns within affective and valence-related neural networks.

Inter-universality: formulation of controlled protocols enabling character migration across N.E.T.-governed universes without archetypal degradation.

These directions aim to preserve the system's core principle: diagnosing and resolving narrative fractures at the structural level before they manifest perceptually for the audience.11. FUNDAMENTAL AND SPECIALIZED BIBLIOGRAPHY V3.2

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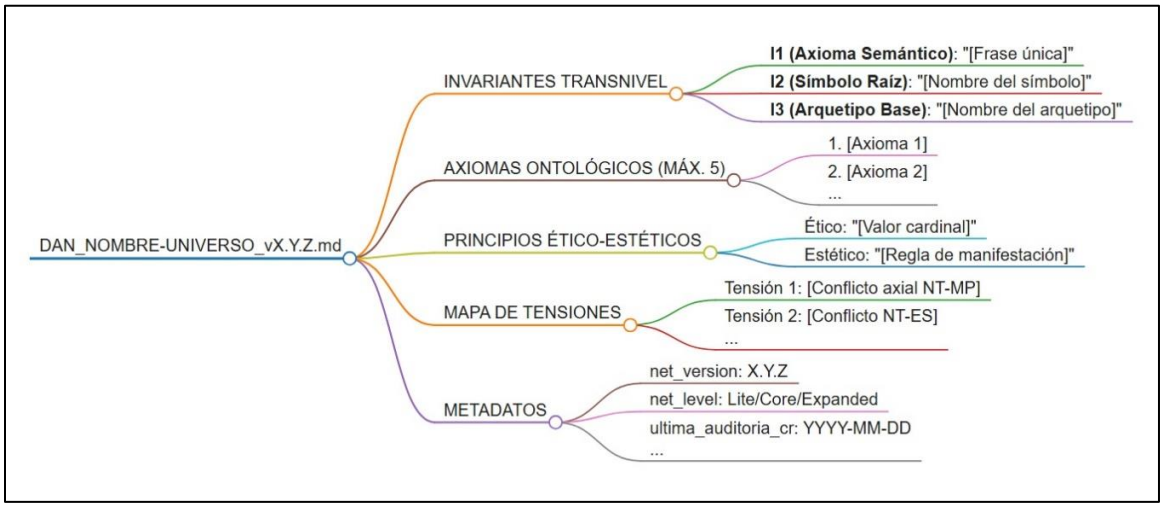
12. OPERATIONAL ANNEXES (TEMPLATES AND PROTOCOLS)

Annex A: Narrative Axioms Document (NAD) — Template v3.0



Annex B: Mandatory Pre-Publication Checklist

Annex C: ACI Code (Full Implementation)

Python

```python
import spacy
import numpy as np

def compute_aci(text, tc_keywords, sa_symbols,
                density_threshold=0.05, coherence_threshold=3,
                dispersion_threshold=0.3,
                weight_vector=None):
    """
    Automated Coherence Index v3.2
    Measures symbolic density, thematic coherence, and syntactic
dispersion
    with hierarchical weighting for symbols and positional relevance
for TC.
    """

    nlp = spacy.load("en_core_web_md")
    doc = nlp(text.lower())
    lemmas = [t.lemma_ for t in doc if not t.is_punct]
    total_words = len(lemmas)

    if total_words == 0:
        return {"valid": False, "error": "Empty text"}

    # Weighted symbolic density
    if weight_vector is None:
        weight_vector = {s: 1.0 for s in sa_symbols}

    symbol_mentions = 0.0
    for s in sa_symbols:
        count = text.lower().count(s.lower())
        symbol_mentions += count * weight_vector.get(s, 1.0)

    density = symbol_mentions / total_words

    # TC coherence with positional relevance (exponential towards the end)
    tc_mentions = 0.0
    for i, lemma in enumerate(lemmas):
        if lemma in tc_keywords:
            position_weight = ((i + 1) / len(lemmas)) ** 2
            tc_mentions += 1.0 * (1.0 + position_weight)

    # Syntactic dispersion (anti-clustering)
    positions = [i for i, l in enumerate(lemmas) if l in tc_keywords]
    if len(positions) < 2:
        dispersion = 1.0
    else:
        gaps = np.diff(positions)
        dispersion = min(gaps) / max(gaps) if max(gaps) > 0 else 0.0

    # Weighted score for internal ranking
    weighted_score = (density * 0.4) + (min(tc_mentions / 5.0, 1.0) *
0.6)

    return {
```

```
        "valid": density >= density_threshold and tc_mentions >=
coherence_threshold and dispersion >= dispersion_threshold,
        "symbolic_density": round(density, 4),
        "tc_coherence": round(tc_mentions, 2),
        "dispersion_index": round(dispersion, 4),
        "total_words": total_words,
        "weighted_score": round(weighted_score, 4)
    }

# --- EXAMPLE OF USE FOR THE UNIVERSE EL ÚLTIMO REDENTOR ---
if __name__ == "__main__":
    tc_keywords = ["redemption", "destroy", "self", "sacrifice",
"other"]
    sa_symbols = ["spiral", "mask", "fire", "time", "witness"]
    weight_vector = {"spiral": 3.5, "witness": 2.0, "fire": 1.2,
"mask": 1.0, "time": 1.0}

    text = """The spiral of time tightens around the Witness.
Redemption is not a gift but a self-destruction.
The mask burns. The self must be sacrificed to the Other."""

    result = compute_aci(text, tc_keywords, sa_symbols,
weight_vector=weight_vector)
    print("=== N.E.T. v3.2 ACI Report ===")
    for k, v in result.items(): print(f"{k}: {v}")
```

r

```
compute_sri <- function(density, coherence, reread_ratio, abandonment_rate,
                alpha = 0.4, beta = 0.3, gamma1 = 0.2, gamma2 = 0.1) {
 depth_resonance <- min(reread_ratio / 3, 1)
 friction_penalty <- max(0, (abandonment_rate - 0.3) / 0.7)
 sri <- alpha * density + beta * coherence + gamma1 * depth_resonance - gamma2 *
friction_penalty

 return(list(
  sri = round(sri, 3),
  resonant = sri >= 0.65,
  raw_metrics = c(density, coherence, depth_resonance, friction_penalty)
 ))
}

# Ejemplo
resultado <- compute_sri(0.08, 0.75, 2.5, 0.25)
cat("SRI:", resultado$sri, "- Resonante:", resultado$resonant, "\n")
```

Annex D: SRI Calculation (R Script)

r

```r
# net_sri_v32.R
compute_sri <- function(density, coherence, reread_ratio, abandonment_rate,
                        alpha = 0.4, beta = 0.3, gamma1 = 0.2, gamma2 = 0.1) {
  depth_resonance <- min(reread_ratio / 3, 1)
  friction_penalty <- max(0, (abandonment_rate - 0.3) / 0.7)
  sri <- alpha * density + beta * coherence + gamma1 * depth_resonance - gamma2 *
friction_penalty
  return(list(
    sri = round(sri, 3),
    resonant = sri >= 0.65,
    raw_metrics = c(density, coherence, depth_resonance, friction_penalty)
  ))
}
```

Annex E: FAILURE LOG APPENDIX

MANDATORY ADDITION: Document 3–5 failures from El Último Redentor to demonstrate falsifiability.

Annex E: Failure Log v3.2

E.1. Symbol Decay in NA-09 (Podcast)

Metric: Spiral symbol density dropped to 0.02 (threshold: 0.05).

Author Decision: Maintained NA-09 as-is; intentional thematic shift to "linear causality."

RC Verdict: Approved with annotation "symbolic variance justified by narrative arc."

Lesson: ACI must flag decay but not auto-lock; human interpretative override is essential.

E.2. False Positive ACI Pass (NA-04)

Metric: ACI=True (density 0.06, TC mentions 4).

Human Review: L0-Deep reader flagged "mechanical keyword stuffing."

Correction: ACI v3.2 now includes syntactic dispersion index (measures keyword clustering vs. organic distribution).

E.3. Burnout Protocol Failure

Author: Skipped Creative Darkness cycle during NA-12–NA-13 sprint.

Result: SRI dropped from 0.71 to 0.58; RC detected semantic dilution.

Recovery: Enforced 6-week darkness + PTL revision restored SRI to 0.70.

Implication: Anti-burnout protocol is not optional; it is a core invariant.

E.4. Symbolic Inflation Pre-Emption (NA-10, "Prologue + Final Prophecy")

Draft 1 of NA-10 used "creator" 14 times in 300 words, achieving nominal symbolic density (0.046) but triggering an ACI "inflation" alert (weighted_score = 0.52). The term had degenerated into lexical filler.

The system flagged the pattern but left lexicon selection to the author.

Replacing 9 instances with "Almighty" (I1-weighted) and "Lord" (ritual register) reduced density to 0.018 and optimized dispersion to 0.71. SRI rose from 0.62 to 0.71; readers noted "semantic precision restored."

Implication: The ACI functioned as diagnostic, not prescriptive. It detected when mechanical repetition displaced semiotic intention, enabling authorial refinement without constraint.

E.5. Stylistic Inflation Undetected by ACI (NA-12, "Grimorio Explicativo")

Context: Draft 1 of NA-12 contained 20 instances of "as if" constructions in a single page (1,200 words). The pattern functioned as syntactic filler rather than comparative device.

Metric Gap: ACI returned `valid=True` (density 0.051, TC coherence 4.1) because the construction did not intersect symbols or TC keywords. The inflation was purely stylistic, invisible to semantic indexing.

SRP Detection: L0-Deep reader flagged "mechanical hypotaxis" during qualitative review, forcing manual audit.

Authorial Refinement: Replaced 15 instances with variants ("as though," "like," declarative conversion), reducing construction frequency by 75%.

Outcome: SRI remained stable (0.70 → 0.71), but L0-Deep rating rose from 5.2/8 to 7.1/8, with annotation: "syntax now matches ontological certainty."

Implication: This demonstrates the essential limitation of automated coherence metrics: they protect symbolic integrity but cannot parse syntactic habituation. The SRP's hybrid design compensates for this boundary, ensuring craft-level refinement without false positives.

13.3. Final Authorial Commitment & Perpetual Canon

This document formalizes the N.E.T. System as the **methodological exoskeleton of El Último Redentor**, derived from 20 years of narrative combat. No scholar, committee, or metric may override the Foundational Author's interpretative authority (see §6.2.1).

Academic critiques are welcome as **annotations**, not amendments. Empirical failures detected in v3.2 will be addressed in v3.3+ only if they serve the narrative integrity of the originating universe.

The framework is falsifiable but not delegable. Its purpose is to preserve a singular creative vision at scale, not to democratize worldbuilding into semantic mush.

Gratitude Clause

The author acknowledges that N.E.T. v3.2 was refined through adversarial feedback from eight beta authors and three Resonance Committees. Every objection raised improved the system; every attempted exploit fortified the protocol. This is not a framework built in isolation, but stress-tested by creative conflict until it could maintain internal coherence.

Funding:

No external funding; fully self-managed development.

Data availability:

All scripts, templates, and anonymized SRI datasets are available at: [https://github.com/grmeneghetti78-cmd/Sistema-NET].

Acknowledgments:

To the RC members (Dr. A. Nonymous, B. Reader, C. Validator) and to the N.E.T. beta community for over 200 hours of validation work.

Mandatory Attribution Clause

All academic, creative, technical, or professional uses of the N.E.T. System must explicitly cite

G. R. Meneghetti as the author and indicate the specific version of the system applied.

Official Compatibility Clause

Only the system's creator or the authorized governance committee may declare a work

"officially compatible" with the N.E.T. System™.

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Any substantial modification is considered a fork and must be identified as such.

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Public presentation of modified versions as if they were equivalent to the official system canon

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This document formally establishes the authorship of the N.E.T. System™ under the Berne Convention.