Gracechain-Meritcoin

> *Merit-based blockchain economics for the New Age Cybernetics ecosystem — where contribution matters more than capital, and resonance replaces proof-of-work.*

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Overview

Meritcoin is the merit-accrual unit of the ERES economic architecture. **Gracechain** is the ledger that records resonant contribution across the PlayNAC Empirical Realtime Education System. Together they form the economic layer of the 1,000-Year Future Map, paired with **UBIMIA** (Universal Basic Income + Merit, Investment, Awards) and **SROC** (Smart-Resonant Offset Contracts).

Proof of Resonance

Meritcoin does **not** run on Proof-of-Work. It runs on **Proof-of-Resonance**: BERA indices (ARI, ERI, RHC, RCI) feed value accrual based on measurable harmonic contribution.

> **"It's not mining — it's tuning."**

BERA Index	Full Name	Role
ARI	Aura Resonance Index	Personal resonance measurement
ERI	Environmental Resonance Index	Ecological resonance measurement
RHC	Resonant Harmony Cycle	Temporal coherence of the system
RCI	Resonant Coherence Index	`RCI = P_Ω_norm × ARI_sys × VibConst`

The RCI formula was co-developed with **Jimmy D. Butzbach**'s Continuity Theory.

Architecture

```
Contribution (PlayNAC)
        |
        v
BERA measurement (ARI, ERI, RHC, RCI)
        |
        v
Gracechain ledger  <-- cryptographic record
        |
        v
Meritcoin accrual  --> UBIMIA distribution
        |
        v
SROC settlement    --> SSSC / SSHP / SSLA / SSPS / SSST tiers
```

Relationship to Other ERES Subsystems

- **PlayNAC KERNEL** — emits the contribution signals that BERA measures.
- **SCALULAR** — provides the certification pillars that Meritcoin rewards.
- **FAVORS / CBGMODD** — federated governance data that settles disputes.
- **GAIA SOMT** — Sociocratic Overlay Metadata Tapestry hosting the ledger semantics.
- **SPT Triad** — Security, Privacy, Trust spec (`ERES-SPT-2026-001`).

Contents

- Specifications for Gracechain ledger structure and Meritcoin accrual mechanics.
- UBIMIA distribution models and SROC settlement flows.

- Integration references for PlayNAC signal sources.
- White papers including the **ERES Equity Covenant** (`ERES-COVENANT-2026-001`) and **Patriot Dividend v4.0**.

Governing Formula

```
C = R × P / M              (Cybernetics = Resource × Purpose / Method)
```

Meritcoin is the scalar output of `R × P` — Resource committed toward Purpose — divided by the Method of proof-of-resonance.

Status

Active specification and economic-model development. Reference implementations live in `ZIP` (PlayNAC KERNEL codebase).

Citation

bibtex

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> **Three Governing Principles** — Don't hurt yourself. Don't hurt others. Build for generations to come.

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