

EMP

ENERGON MANAGEMENT PROTOCOL

ENERGON MANAGEMENT PROTOCOL (EMP)

Version 1.0

Document ID: EMP-v1.0

Status: Active Companion Specification

Network: Flare Mainnet

Applies To: Energon user interfaces, observer layers, and protocol interpretation

Last Updated: v1.0 (Initial Release)



0. Purpose & Scope

The Energon Management Protocol (EMP) is a companion specification to the Energon White Paper. Its purpose is to define how Energon is observed, presented, and interacted with at the interface level, without modifying or extending the protocol's on-chain behavior.

EMP governs:

- Interface responsibilities
- Language constraints
- Observer behavior
- Eligibility presentation
- Interpretive and visual layers

EMP does not modify contracts, scarcity, eligibility rules, or protocol mechanics.



1. Authority Hierarchy

The Energon system is governed by the following order of authority:

1. Energon White Paper

Foundational, immutable specification of protocol rules and guarantees.

2. Energon Management Protocol (EMP)

Additive operational and interpretive framework that must remain consistent with the White Paper and on-chain behavior.

3. User Interfaces & Observers

Implementations must comply with both the White Paper and EMP.

No interface may imply behavior, outcomes, or guarantees beyond what the protocol enforces.

If any conflict exists, on-chain behavior and the White Paper always prevail.



2. Non-Override & Non-Custodial Statement

EMP:

- Introduces no administrative authority
- Introduces no privileged control
- Introduces no custodial responsibility

All protocol behavior is enforced programmatically by immutable smart contracts.

EMP exists to describe, not to control.



3. Non-Incentive & Non-Promise Posture

Energon is not optimized for:

- Rewards
- Yield
- Profit
- Acceleration
- Amplification

No Energon interface may:

- Promise outcomes
- Imply guaranteed benefits
- Frame protocol interaction as compensation or earning
- Suggest optimal timing or strategy

Tick execution, observation, and interaction are protocol functions, not reward mechanisms.



4. Eligibility Canon (Global)

Eligibility to interact with Energon protocol mechanics is enforced entirely on-chain.

Eligibility Rule (Permanent):

- Exactly one (1) Energon Cube → Eligible
- Zero cubes → Ineligible

- Two or more cubes → Ineligible

This rule:

- Is deterministic
- Is auditable
- Has no exceptions
- Has no overrides

All interfaces must reflect this rule accurately and consistently.



5. EMP-MINT — Mint Interface Specification

5.1 Role of the Mint Interface

The Mint interface exists solely to:

- Facilitate minting of Energon Cube NFTs
- Enforce correct network selection
- Display neutral, verifiable on-chain information

The Mint interface must not:

- Frame minting as a reward pathway
- Imply future benefits
- Suggest profit, yield, or distribution

5.2 Required Language Constraints

Mint interfaces must describe:

- Eligibility as a protocol constraint
- Minting as access creation, not advantage creation

Mint interfaces must not include:

- “Rewards”
- “Earnings”
- “Payouts”
- “Returns”



6. EMP-DASH — Dashboard Specification

6.1 Dashboard Role

The Dashboard is an observer interface, not a control panel.

It may display:

- Energon Height (global state)
- Time until next eligible progression window
- Controller address
- Wallet cube balance
- Eligibility status
- EON balance (read-only)
- Visual or interpretive UI instruments

It must not:

- Suggest strategy or optimization
- Encourage participation
- Frame ticking as beneficial
- Promise outcomes



6.2 Tick Interaction (Observer-Bound)

Dashboard may expose a Manual Tick function subject to all protocol guardrails:

A tick may only be attempted when:

- Wallet is connected
- Network is Flare Mainnet
- Controller reports eligibility (`secondsUntilNextEnergonBlock == 0`)
- Cooldown is clear
- No cross-tab lock exists
- The current Energon Height has not already been ticked by the interface

Tick execution:

- Spends gas
- Does not guarantee success
- Does not guarantee state change
- Does not produce rewards

Language must describe ticking as an attempted protocol progression, not an achievement.



6.3 Auto-Tick (Observe + Attempt)

Auto-tick modes:

- Are optional
- Are default OFF
- May only attempt ticks during valid windows

- Must respect all guardrails (cooldown, backoff, one-per-height, cross-tab locks)

Auto-tick does not increase entitlement, priority, or outcome probability.



6.4 Plasma Clarification (UI-Only Instrument)

Plasma Accumulation is:

- Stored locally in the browser
- Derived from observable chain data
- Resettable
- Non-transferable
- Non-economic

Plasma:

- Is not on-chain state
- Is not a reward
- Conveys no rights or claims

Any “release” or completion message is visual feedback only.



7. EMP-OBS — Observer Specification

7.1 Observer Role

The Observer is a visualization layer designed to:

- Reflect protocol state
- Represent identity coherence
- Display cube metadata when ownership is verified

The Observer does not:

- Mutate protocol state
- Execute ticks
- Grant access or rewards



7.2 Guardian Modes (Derived)

Observer mode is derived entirely from wallet state:

- DISCONNECTED — no wallet connected
- SILENT — zero cubes held
- COHERENT — exactly one cube held

- FRACTURED — more than one cube held

Metadata display is:

- Enabled only in COHERENT mode
- Disabled in FRACTURED mode by design



7.3 Bound State & Metadata Integrity

A cube is considered bound only when:

- Ownership is verified on-chain
- The token ID is owned by the connected wallet

Manual token entry:

- Is verification-gated
- Never implies ownership



7.4 Visual Effects & Sparks

Visual effects (pulses, sparks, milestones):

- Are interpretive
- Are non-economic
- Represent observable chain state only

They must not be described as rewards, payouts, or distributions.



8. EMP-GUARD — Guardian Chronicle Specification

8.1 Role

The Guardian Chronicle provides narrative context and cultural framing.

It may:

- Reinforce the Rule of One
- Emphasize clarity, determinism, and restraint
- Use metaphor to explain eligibility

It must not:

- Promise outcomes
- Imply benefit beyond access and observation
- Suggest exclusivity beyond what contracts enforce

■ 8.2 Guardian Canon

The Rule of One:

- 1 Cube → Doors Open
- 0 Cubes → Doors Closed
- 2+ Cubes → Doors Closed

The Grid reads state.

It does not interpret intention.

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9. Versioning & Change Policy

- EMP versions are explicit and sequential (v1.0, v1.1, ...)
- Changes must be additive or clarifying
- Meaning may not change retroactively
- Deprecated sections must be clearly labeled

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10. Closing Statement

Energon is not optimized for speed or spectacle.

It is optimized for:

- Determinism
- Fairness
- Temporal integrity
- Observability
- Long-term coherence

The White Paper defines what Energon is.

The EMP defines how Energon is observed and presented, without ever changing what it does.