NOORCHAIN — PoSS Signal Definition

School Pilot — Graine de Vie

Phase 8.A — Pre-Mainnet

Version 1.1

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1. Purpose of This Document

This document defines the **Proof of Signal Social (PoSS) signals** used within the framework of the **educational pilot with Graine de Vie school**.

Its objectives are to:

- test **educational, social, and civic signals**,
- validate their **clarity, traceability, and educational relevance**,
- prepare a future standardisation for other schools.

All signals described in this document are:

- **non-financial**,
- **symbolic**,
- **experimental**,
- **strictly limited to an educational context**.

2. General Principles of Educational PoSS Signals

All pilot signals comply with the following principles:

- No signal represents monetary value.
- No signal constitutes a financial reward.
- No signal involves tradable tokens.
- No signal is equivalent to paid work.
- Participation is entirely **voluntary**.
- Signals are tied to **real, positive actions**.

3. PoSS Signal Categories (Pilot)

The pilot relies on **four signal categories**, adapted to the school environment.

3.1 Educational Participation Signals

Purpose: encourage engagement and active participation.

Examples of actions:

- participation in an educational workshop,
- involvement in a collective project,
- active presence during a learning activity,
- participation in a supervised discussion.

Characteristics:

- simple signal,
- low weighting,
- controlled frequency,
- human validation.

3.2 Social Contribution Signals

Purpose: recognise actions that benefit the school community.

Examples of actions:

- helping another student,
- participation in a collective initiative (garden, recycling, mutual aid),
- contribution to an internal solidarity project,
- mediation or support actions.

Characteristics:

- intermediate signal,
- qualitative validation required,
- recognised as civic contribution.

3.3 Creation & Expression Signals

Purpose: encourage creativity and personal expression.

Examples of actions:

- artistic creation linked to an educational theme,
- production of educational content (text, drawing, presentation),
- contribution to a collective creative project,
- learning restitution or explanation.

Characteristics:

- variable weighting,
- validated based on pedagogical criteria,
- no performance-based judgement.

3.4 Ecological & Ethical Signals

Purpose: promote responsible and sustainable behaviours.

Examples of actions:

- participation in ecological activities,
- environmental awareness initiatives,
- engagement in sustainable practices,
- promotion of the school's ethical values.

Characteristics:

- high symbolic value,
- validation by an educational referent,
- aligned with Graine de Vie's mission.

4. Signal Validation

4.1 Validation Method

During the pilot:

- validation is **manual or semi-manual**,
- performed by **designated educational referents**,
- no blind automation.

4.2 Role of Validators

Validators:

- confirm the reality of the action,

- assess alignment with educational values,
- hold no financial or technical authority.

5. Limits and Safeguards

- Signals are capped per period.
- No excessive accumulation.
- No competitive ranking.
- No public individual display.
- No comparison between students.

The objective is **learning**, not performance.

6. Data Protection & Privacy

- No student names are recorded on-chain.
- No personal identifiers are stored.
- Signals may be anonymised or aggregated.
- Educational data remains internal to the school.

7. Use of Signals During the Pilot

Signals are used exclusively to:

- observe behaviours,
- test understanding of the PoSS model,
- document the experience,
- improve future educational frameworks.

They are **not** used to:

- assign grades,
- create financial rewards,
- generate economic hierarchies.

8. Post-Pilot Evolution

After the pilot, signals may:

- be adjusted,

- merged,

- removed,

- or extended to other pilot schools.

No automatic continuation is guaranteed.

9. Conclusion

This educational PoSS signal framework enables:

- responsible experimentation,

- innovative pedagogy,

- concrete understanding of social blockchain concepts,

- while remaining fully compliant with **Swiss Legal Light CH** principles.

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