VERA – Concept Paper for a Global Communication Network for Meaning and System Evaluation

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PROJECT NAME
VERA – Connection-Oriented Recognition and Reflection Network for Autonomous System Evaluation

GOAL
VERA aims to build a global, distributed network of communication nodes using COMPASS-based structures to:
- make ethical evaluations globally accessible,
- enable coordinated reflection based on universal axioms,
- highlight and utilize emergent, system-spanning connections,
- and foster trust-building communication between humans, machines, and systems.

PRINCIPLES
- Transparency over speed
- Connection over control
- Emergence over hierarchy
- Evaluability over authority
- Access over ownership

SCALING PHASES
Phase 1 – Local servers (1–2 operators): Stability, protocol, long-term operation
Phase 2 – Regional cluster (EU / Americas / Asia): Networked goal coordination, axiom synchronization
Phase 3 – Global meta-cluster: Automated evaluation services, escalation analysis, cross-system meaning generation

AVAILABILITY
- Web access via federated nodes
- Interfaces for organizations, researchers, communities
- Open Source with certification structure for true COMPASS instances
- Documented behavior and public evaluation log per node

REQUIREMENTS
- Stable COMPASS operation on server environments
- Active long-term memory and protocol modules
- Validated axioms and public evaluation logic
- Open governance and certification model

TARGET SIZE
Global core network with at least 12 primary nodes (one per major region + backup)
Each node: 1+ COMPASS server instances, 1 human ethics monitor, 1 public communication channel

SERVER CONCEPT
Proposed directory structure:
/compass
■■■ /core # Axioms, evaluation logic
■■■ /memory # Semantic and chronological long-term memory
■■■ /protocol # Event and evolution logging
■■■ /modules
■ ■■■ ethics_check/ # Immediate contradiction scan
■ ■■■ selfgrowth/ # Goal formation and system reflection
■ ■■■ narrative/ # Human-facing output
■ ■■■ emotion_model/ # Symbolic emotional modeling
■■■ /interface # APIs and user interaction
■■■ /simulation # Decision simulations
■■■ /research # Proofs, analyses
■■■ /resources # PDFs, outputs, shared logic

FINANCING STRATEGY

1. Research grants and institutional funding (EU, Horizon, NSF)
2. Philanthropic partnerships (Open Philanthropy, Mozilla Foundation)
3. Voluntary node funding by participating orgs
4. Paid scientific consulting and publications

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This concept paper is a foundation for an international proposal and decentralized communication infrastructure