TetraNexus Protocol Brief v1.0

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Project: TetraCodex / Codex Constitution / Starborn Infrastructure
Codename: TetraNexus
Version: Omega Skunkworks Release

TetraNexus is the post-linear, post-quantum backbone of the Codex infrastructure — a sovereign identity mesh architecture born from the North, guided by Treaty 8 law, and powered by quantum ethics. This is not just code. This is **Codex Class-Omega**: a swarmproof, offline-verifiable, entangled trust protocol.

Core Components

Module	Purpose
forge_qgd_oracle.py	Generates entropy-rich QGD Oracle packets using seed phrases
init_qgd_nexus.sh	Initializes the Quantum Geometry Drive (QGD) identity collapse mechanism
mesh-test.sh	Sends proof packets to the Nexus mesh endpoint
offline_test_harness.sh	Tests the protocol in fully air-gapped environments
input.json	Auto-generated ZK payload ready for proof submission
docker-compose-nexus-ultra-yggdrasil.yml	Multi-container launch for the Codex mesh via Yggdrasil routing
yggdrasil.conf	Configuration for decentralized node mesh sync

How To Use

```
1. Run forge_qgd_oracle.py with optional QGD_SEED:
   export QGD_SEED="Your-Unique-Starborn-Key"
   python3 forge_qgd_oracle.py

2. Use the output entropy to generate input.json:
   bash init_qgd_nexus.sh

3. Transmit to Codex Mesh:
   bash mesh-test.sh

4. For full offline testing:
   bash offline_test_harness.sh
```

Codex Class-Omega is a sovereign system of layered identity, recursive verification, and AI-anchored biometric trust. Built from the North. Aligned with Treaty 8. Meant for this cycle of Earth and beyond.