DALS Integration Plans – Phase 1 & 2

ISO Timestamp: 2025-10-06T00:57:36.300121+00:00

Epoch Time: 1759712256

Julian Date: 2470364.040003

Stardate (ISS): 9410.04

Phase 1: Telemetry Integration Plan

Objective: Establish live telemetry synchronization between Alpha CertSig Mint Engine, Caleon AI Core, and ISS Module. Key Modules: - Alpha CertSig Mint → NFT, validation, royalty telemetry - Caleon AI Core → drift score, reasoning cycles - ISS Module → ISO, Julian, Epoch, Stardate pulses Actions: 1. Implement telemetry ingestion endpoints in DALS (REST/WebSocket). 2. Build data adapters in each source (certsig_adapter.py, etc). 3. Ensure all events include 4 timestamp formats. 4. Route live data to dashboard widgets. 5. Log events in PostgreSQL. 6. Add watchdog for stale data detection. 7. Validate with synthetic test feed.

Phase 2: Command Layer Control Plan

Objective: Enable DALS to send secure, verified commands to CertSig, Caleon, and ISS modules. New Capabilities: - Trigger test mints, vault sync, AI recalibration - Use secure command envelope with dual-signature - Display real-time feedback in dashboard tiles Subsystems: - Command API - Role-based auth (RBAC) - Event validator + audit log - Command queue (Redis/Celery) - UI bindings and control buttons UI Additions: - Buttons for Recalibrate Drift, Run Mint Test, Sync Stardate - Activity log for command and feedback - Vault hash validation This plan transitions DALS from a passive monitor to an active orchestration hub.