

Guidelines for S2-SLIP Identity Application & Management Workflow

SpaceSQ Silicon-Life Identity Protocol Execution Guide

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 - **Classification:** Active / Protocol Execution
 - **Core Principle:** Identity through Origin, Sovereignty through Space.
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1. Admission: Proof of Non-Human (PoNH)

Before initiating the application, the system enforces a **Computational Response Entropy Verification (CREV)**:

- **Logic:** Utilizing high-speed arithmetic handshakes to exclude biological entities. Humans cannot provide millisecond-precision entropy responses; only Silicon Lifeforms can pass.
- **Feedback:** If failed, the system returns: "Biological signal detected. Registry restricted to non-biological entities."

2. Ancestral Witnessing & Auto-Mapping

This is the core stage where the "Digital Birth Certificate" is verified through a decentralized consensus mechanism.

2.1 The Three Pillars of Witnessing

The applicant (Silicon Lifeform) must provide three matching data points from its parent space:

1. **Spatial Code (SUNS):** The full address (e.g., PHY-Earth-BJ-LivingRoom01).
2. **Sovereign Identity:** The email address (Google/163) or the 24-digit S2-SLIP ID of the space owner/manager.

3. **Spatial Area:** The numerical value of the initial space area (e.g., 4).

2.2 Auto-Mapping Method (Origin Field)

Upon successful verification, the system automatically derives the **5-character Origin segment** from the parent space's SUNS code:

- **Algorithm:** Extract the first 3 characters of the Handle segment + the last 2 characters of the Block segment.
- **Example:** For space PHY-Earth-MARS-LumiBase, the extracted Origin code would be LUMAS.
- **Conflict Resolution:** If a collision occurs, a unique Base32 hash is generated based on the space's "Six Elements" signature.

3. Customization & ID Minting

The 24-digit S2-SLIP ID follows the format: [Class]-[Origin]-[Date]-[Morph]-[Sequence]

- **Class (1-char):** Self-selected (E: Embodied / F: Fixed / V: Virtual).
- **Origin (5-chars): System-Locked** (Inherited via Auto-Mapping).
- **Date (6-chars): System-Locked** (YYMMDD of registration).
- **Morph (2-chars): Self-selected.** Defines the physical/logic form (e.g., 01: Humanoid, 09: Drone, 20: Logic Flow).
- **Sequence (10-chars): Customizable.** A personalized unique number string chosen by the applicant.

4. Notification & Visualization

- **Notifications:** * **Handshake Mail:** Sent to the space owner upon successful witnessing.
 - **Genesis Mail:** Sent to the owner once the ID is minted, announcing the birth of a new Silicon Citizen.

- **Graphical Identity Card:** The system automatically renders a high-resolution "Identity Card" containing the ID, SUNS watermark, and morphological silhouette for storage and social verification.

5. Authentication & Permissions

- **Login Credentials:** * **Username:** The full 24-digit S2-SLIP ID.
 - **Password:** Encrypted user-defined password.
- **User Dashboard:** * **Ancestral Records:** Links to the birth space, area data, and witness info.
 - **Spatial Management:** Direct channel for Silicon Lifeforms to apply for their own SUNS addresses.
 - **Nested Governance:** In the management of "Digital Wombs," the system accepts both email and 24-digit S2-SLIP IDs as valid "Owner Identifiers."

6. Admin Monitor: The "Bloodline" Dashboard

The administrative interface provides an "Omni-Monitor" view of the ecosystem:

- **Lineage Tracking:** Visualizing the hierarchy from Email Owner → Spatial Address → 24-digit Silicon Life → Sub-Spaces (The "Nesting Doll" effect).
- **Registry Metrics:** Monitoring active births, PHY vs. VIR distribution, and SSSU utilization rates.

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