Power Chain Diagram (Evidence)

Status:	Template
Version:	0.1
Scope:	One node + its power path
Date (UTC):	YYYY-MM-DD
Operator:	_____
Node ID:	_____

Diagram (fill with real device models)

```
Grid/Wall
  |
  |-- [Breaker Panel] (ID: _________)
  |
  +-- [Surge Protector] (Model: _________)
        |
        +-- [EMI/RFI Filter] (Model: _________)  (optional)
              |
              +-- [UPS] (Model: _________)  (OFF / Line-interactive / Double-conversion)
                    |
                    +-- [PDU/Strip] (Model: _________)
                          |
                          +-- Node PSU (Model: _________)
                          |
                          +-- (Other loads?)  YES/NO
                                 If YES: list and justify.
```

Measurement points (optional but useful)

• Point A (wall): voltage stability notes _____
• Point B (post-UPS): noise/transfer notes _____
• Point C (node): PSU telemetry / logs _____

Rules (A: strict)

• MUST avoid sharing the strip with noisy loads (heaters, motors, compressors).
• MUST record UPS mode (double-conversion preferred for sensitive ops).
• SHOULD document grounding anomalies if known (hum, coil whine changes).

Bridges (for cross-corpus integrity)

• **Explicit (c = a + b):** a signs the chain; b is the physical path + procedures; c inherits the constraint as auditable reality.
• **Hidden #1 (Ashby / cybernetics):** power hygiene is feedback control: disturbances (noise/brownouts/transfer) must be observed and regulated.
• **Hidden #2 (Cover & Thomas / info theory):** evidence must survive low bandwidth: a compact diagram + model IDs (+ optional hashes) compress trust into checkable strings.

Earth paragraph

Power is data. Common-mode noise and brownouts translate into timing drift, throttling, and weird “ghost” failures. A clean, documented chain makes post-mortems possible and raises the bar for power-line injection classes of attacks.
Engineering/anatomy grounding: treat the node like a patient under stress: unstable power looks like arrhythmia - spikes, drops, jitter. You do not argue with an ECG; you stabilize the supply, then the symptoms stop lying.