# SPEC-1 — Table of Contents (Lucid RDP)

## Documents

1. **SPEC-1A — Background & Requirements**
   * Background
   * Requirements
     + Must Have (R‑MUST‑001 … R‑MUST‑020)
     + Should Have (R‑SHOULD‑001 … R‑SHOULD‑008)
     + Could Have (R‑COULD‑001 … R‑COULD‑006)
     + Won’t Have (R‑WONT‑001 … R‑WONT‑002)
2. **SPEC-1B — Method, Governance & Consensus**
   * Method
     + High‑Level Architecture (Pi 5, Tor‑only, MongoDB, On‑System Data Chain, TRON routers)
     + On‑Chain Contracts (LucidAnchors, PayoutRouterV0, PayoutRouterKYC)
     + Off‑Chain Data & Proofs (manifests, chunking, Merkle roots)
     + Key Management & Roles (multisig, deploy/pauser/compliance)
     + Sequence (Anchor & Payout)
   * Centralised Relay Point (Lucid Cloud Relay)
   * Governance Addendum (Immutable at Launch)
     + LucidGovernor + Timelock, ParamRegistry (bounded)
     + Roles & Voting Power (one‑node‑one‑vote eligibility)
     + Cross‑Chain Governance (signer rotation for TRON)
   * Consensus (PoOT — Proof of Operational Tasks)
     + WorkCredits inputs, leader selection, pools, anti‑grief
     + **Consensus Parameters** (slotDurationSec=120s → 30 blocks/hour, timeouts, cooldown)
   * Metrics & Collections (session\_events, slot\_metrics)
3. **SPEC-1C — Tokenomics, Wallet, Client Controls & Execution**
   * Reward Policy Addendum (finalized & immutable)
     + Max 30 blocks/hour, fallback blocks (2 LUCID), halving every 5% of 42B
     + Node‑density‑aware per‑block rewards
   * Node Worker Duties (VM processing, in‑house transfers)
   * Tokenomics & Voting (transferable LUCID, snapshots, stimulus targets, net‑of‑fees)
     + Revenue Split 18%/2%/40%/40% + Stimulus (10% × Goal\_k)
     + Min payout $10; fees from local TRON node; USDT unit of account
   * Wallet & Cash‑Out (USDT direct only)
     + Any‑time withdrawals; TRX staking for energy/bandwidth; connectors (Exchange/OTC/PSP)
   * Client‑Controlled Session Policy & P2P Paths
     + Path 1 (Rendezvous), Path 2 (VM Contract Re‑Entry)
   * Client Control Policy — Expanded Settings & Rolling Limits
     + Rolling 24h free tier (2 actions), de‑clutter, file allow/deny, shell/USB/audio/webcam/keyboard/mouse, privacy shield/redaction
   * Implementation, Milestones & Gathering Results
4. **SPEC-1 — Combined (Monolithic)** *(optional reference)*
   * **Spec-1-lucid Rdp** (single‑file consolidated draft kept for comparison and quick search)

## Quick Index by Requirement Code

* **R‑MUST**: 001–020 (core platform); 021–024 (governance/relay/Mongo); 033–037 (consensus & rewards); 041–049 (tokenomics/wallet); 056–057 (off‑ramp); 061 (USDT direct only); 063–071 (client controls & limits).
* **R‑SHOULD**: 001–008 (performance, identity, APIs, backups, bootstrap).
* **R‑COULD**: 001–006 (SSO, federation, mobile, PQ crypto, advanced privacy).

Tip: Use the canvas search box to jump to a code (e.g., R‑MUST‑033) in the relevant document.