# SlimeChain? Musk-mode Parameter Proposal

## **Summary**

Musk-mode preset introduces a minimum posting price (C\_min), verified tiers with discounts and risk attenuation, DM/follow-request escrow microfees, strengthened Proof-of-Relay/Settlement diversity bonuses, and a more responsive basefare controller.

### **Key Objectives**

- Make Sybil spam uneconomic.
- Reward actual serving and diversity.
- Keep hubs capped via diminishing returns and load-priced posting.
- Preserve transparency with on-chain parameters and proposals.

#### **Preset Tables**

```
quality: q_min=0.6, weights=(A:0.2,R:0.2,T:0.2,D:0.15,H:0.25,S:0.25) cost: a=1.4, b=0.6, alpha=0.8, beta=0.5, lambda_actor=0.8, lambda_content=0.6, cmin_usd=0.005 propagation: ttl_base=5, fanout_base=6, k1=k2=3.0 rewards: r0=1.0, mu=0.5, diversity_bonus_pct=0.05 congestion: eta=0.12, target_tps=600, base_min=0.15, base_max=120.0 tiers: discounts {T0:1.0,T1:0.95,T2:0.85,T3:0.70}, risk_factor {T0:1.0,T1:0.95,T2:0.9,T3:0.8}, dm_escrow_usd=0.003, subscription_usd {T2:$1,T3:$4}, deposit_usd {T2:$25,T3:$100}, slash_pct_range [1,5]
```

# **YAML Proposal**

```
quality:
 q min: 0.6
 weights: { A: 0.2, R: 0.2, T: 0.2, D: 0.15, H: 0.25, S: 0.25 }
cost:
 a: 1.4
 b: 0.6
 alpha: 0.8
 beta: 0.5
 lambda actor: 0.8
 lambda_content: 0.6
 cmin_usd: 0.005
propagation:
 ttl base: 5
 fanout base: 6
 k1: 3.0
 k2: 3.0
rewards:
 r0: 1.0
 mu: 0.5
 diversity bonus pct: 0.05
congestion:
 eta: 0.12
 target tps: 600
 base min: 0.15
 base max: 120.0
 discounts: { T0: 1.00, T1: 0.95, T2: 0.85, T3: 0.70 }
 risk factor: { T0: 1.00, T1: 0.95, T2: 0.90, T3: 0.80 }
 dm escrow usd: 0.003
 subscription_usd: { T2: 1.0, T3: 4.0 }
```

```
deposit_usd: { T2: 25.0, T3: 100.0 } slash_pct_range: [1, 5]
```

# **JSON Proposal**

```
"quality": {
 "q_min": 0.6,
 "weights": {
  "A": 0.2,
  "R": 0.2,
  "T": 0.2,
  "D": 0.15,
  "H": 0.25,
  "S": 0.25
 }
},
"cost": {
 "a": 1.4,
 "b": 0.6,
 "alpha": 0.8,
 "beta": 0.5,
 "lambda_actor": 0.8,
 "lambda content": 0.6,
 "cmin_usd": 0.005
"propagation": {
 "ttl_base": 5,
 "fanout_base": 6,
 "k1": 3.0,
 "k2": 3.0
},
"rewards": {
 "r0": 1.0,
 "mu": 0.5,
 "diversity_bonus_pct": 0.05
},
"congestion": {
 "eta": 0.12,
 "target_tps": 600,
 "base_min": 0.15,
 "base_max": 120.0
},
"tiers": {
 "discounts": {
  "T0": 1.0,
  "T1": 0.95,
  "T2": 0.85,
  "T3": 0.7
 "risk_factor": {
  "T0": 1.0,
  "T1": 0.95,
  "T2": 0.9,
  "T3": 0.8
 "dm escrow usd": 0.003,
 "subscription_usd": {
```

```
"T2": 1.0,
    "T3": 4.0
},
"deposit_usd": {
    "T2": 25.0,
    "T3": 100.0
},
"slash_pct_range": [
    1,
    5
  ]
}
```

### **Governance Flow**

- 1) Upload proposal with the bundle as content.
- 2) Discussion: 7d. 3) Voting: 7d. 4) If passed, apply after 72h timelock. Any component can be tuned later by parameter-change proposals.