

CCT V-Value Preliminary Quantification Standard

Version: 1.1 (Phase 1 Internal Draft)

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Status: Confidential / Pending Technical Review

Role: Chief Legal & Operations Officer

1. Objective of V-Value

The **V-Value (Value Quantifier)** is the core algorithm of the CCT Protocol . It serves as a decentralized "Scoreboard" that translates professional contributions into measurable data, ensuring that platform governance and rewards are distributed based on verified value rather than passive capital.

2. The Core Formula (Beta)

The initial quantification logic is defined by the following formula:

$$V = (U \times Q \times S) + A$$

Component Definitions:

- **U (Utility Factor):** Based on **Download Volume** and **User Ratings**. This measures the immediate market demand and satisfaction level for a specific asset.
- **Q (Quality Factor):** Based on the **Manual Review Accuracy Rate**. This is verified by Level 3 Auditors who perform quality assurance on 3D models (e.g., printability, structural integrity).
- **S (Scarcity Factor):** Based on **Secondary Citation Volume** and asset rarity. This rewards the creation of complex, industrial-grade designs or scripts that serve as foundations for other projects.
- **A (Active Contribution):** A fixed weight assigned to non-asset contributions such as code commits (GitHub), documentation, and community moderation.

3. Ecosystem Tiers & V-Value Thresholds

V-Value determines the "Citizen Status" and permissions within the DAO:



- **Level 2 (Contributor):** Users who submit content and pass initial automated verification receive base V-Value and corresponding CCT rewards.
- **Level 3 (Advanced Contributor/Auditor):** Requires a sustained V-Value above a specific threshold and a Quality Factor (\$Q\$) of $>95\%$. These members gain the right to validate other members' work.
- **Level 4 (Guardian/Governor):** Reserved for members with high cumulative V-Value who also stake their CCT. Only Level 4 members can vote on core protocol adjustments.

4. Strategic Applications

1. **Token Minting & Distribution:** CCT rewards are minted and distributed monthly based on the proportion of total V-Value generated within the ecosystem during that period.
2. **Liquidation Preference:** In the event of project dissolution during Phase 1, the "Genesis Node" priority status will be determined by the V-Value leaderboard, ensuring technical architects are compensated first.
3. **Governance Weight:** While basic voting is 1 Token = 1 Vote, V-Value may be used as a multiplier to increase the influence of long-term expert contributors.
4. **Anti-Sybil Mechanism:** By requiring high Quality (\$Q\$) and Scarcity (\$S\$) scores for significant rewards, the protocol prevents "wash-trading" or the flooding of the network with low-quality AI-generated spam.

5. Implementation Roadmap

- **Phase 1 (Current):** V-Value is tracked off-chain via the Notion Registry and manual verification.
- **Phase 2:** Integration of a "Points-to-Testnet" migration where V-Value begins to interact with smart contract logic.
- **Phase 3:** Full on-chain deployment where V-Value is calculated by decentralized Oracle networks or validated through Zero-Knowledge (ZK) proofs of work.

Legal Disclaimer: V-Value is a "Work-Credit" system designed to measure utility within the CCT Network. It does not represent a financial dividend or an investment contract. The acquisition of V-Value requires active, professional labor and does not guarantee passive profit.

