

1. Introduction

1.1 Vision

RPS League envisions redefining casual and competitive gaming by integrating the simplicity of the classic Rock, Paper, Scissors game with blockchain technology. Our platform focuses on transparency, fairness, and rewarding user engagement, offering a unique, immersive gaming experience.

1.2 Market Opportunity

The global gaming market is forecast to exceed \$200 billion by 2024, with blockchain gaming experiencing exponential growth. This shift signifies a clear opportunity for games with seamless play-to-earn models and provable fairness. RPS League capitalizes on these trends by targeting:

- **Casual gamers:** Engaging players with simple yet rewarding gameplay.
- **Esports enthusiasts:** Providing a competitive platform with tournaments and leaderboards.
- **Blockchain adopters:** Catering to a growing audience of users seeking transparency and decentralized rewards.



2. Technology

2.1 Blockchain Infrastructure

- **Smart Contract Architecture:** Secure and immutable smart contracts ensure that each transaction, bet, and reward is transparent and verifiable.
- **Transaction Processing:** High-speed, low-fee blockchain infrastructure ensures a seamless gaming experience without bottlenecks.
- **Security Measures:** RPS League employs multi-layered security protocols, including regular contract audits and DDoS protection, ensuring a secure platform for users.

2.2 Game Engine

- **Fairness Mechanism:** A decentralized random number generator (RNG) guarantees unbiased outcomes, verified by the blockchain.
- **Matchmaking System:** The system intelligently pairs players based on skill and betting preferences, ensuring a fair and competitive environment.
- **Cross-Chain Compatibility:** Integration with multiple blockchain networks enhances accessibility for a broader audience.



3. Tokenomics

3.1 RPS Token

- **Total Supply:** 1,000,000,000 RPS tokens with no possibility of inflation, ensuring scarcity and value preservation.
- **Token Distribution:**
 - **70%:** Staking Rewards
 - **10%:** Marketing
 - **15%:** Team tokens locked for 2 years, aligning long-term incentives.
 - **5%:** Community rewards for referrals and engagement.
- **Initial Price:** \$0.000219 per RPS token, allowing affordable entry for early adopters.

3.2 eRPS Token

- **Utility Token:** eRPS tokens are the in-game currency for betting, and purchasing items.
- **Staking Rewards:** Users staking RPS coins earn competitive annual percentage rates (APRs).
- **Conversion Mechanism:** A robust bridge system enables seamless exchange between RPS and eRPS tokens.



4. Game Mechanics

4.1 Game Modes

- **PvP (Player vs Player):** Match up with players worldwide for a competitive Rock, Paper, Scissors experience.
- **PvB (Player vs Bot):** Casual gaming mode powered by an AI opponent for practice and leisure.
- **Weekly Tournaments:** Compete for the leaderboard with high-stakes rewards and community recognition.
- **Special Events:** Limited-time themed events that introduce new rules and rewards.

4.2 Betting System

- **Flexible Betting Ranges:** Players can bet any amount of eRPS within platform-defined limits.
- **Platform Fees:** A minimal percentage of each bet funds development and rewards.
- **Transparent Calculations:** Outcomes and rewards are publicly verifiable on the blockchain.

4.3 Staking System

- **Staking Periods:** Options for short-term and long-term staking with varied reward rates.
- **Competitive APR Rates:** Higher staking durations yield better rewards, fostering ecosystem loyalty.
- **Early Unstaking Penalties:** Discourage early withdrawals, maintaining system stability.



5. Rewards System

5.1 Daily Rewards

- **Staking Rewards:** Regular payouts for token holders who stake their assets.
- **Daily Quests:** Complete simple tasks (e.g., share twitter post) to earn bonuses.
- **Achievement System:** Unlock achievements based on performance for exclusive rewards.

5.2 Tournament Rewards

- **Weekly Tournaments:** Top performers win substantial eRPS and exclusive NFTs.
- **Seasonal Championships:** Grand tournaments offering top-tier prizes, including RPS tokens and collectible items.
- **Special Events:** Timed challenges with rare rewards to incentivize participation.

6. Security

6.1 Smart Contract Security

- **Audit Reports:** Regular audits from industry leaders (e.g., Certik) ensure robust smart contract security.
- **Emergency Procedures:** A governance-based system allows rapid responses to security threats.

6.2 Fair Play

- **Anti-Cheating Systems:** Advanced algorithms detect and prevent manipulative behavior.
- **Dispute Resolution:** A decentralized voting mechanism resolves disputes fairly.
- **Player Protection:** Strict adherence to data privacy and safety regulations.

7. Roadmap

Phase 1 (Q1 2025)

- Launch the platform with core features, including PvP mode and staking systems.
- Initial player acquisition campaigns and community-building initiatives.

Phase 2 (Q2 2025)

- Release an NFT marketplace for in-game assets and collectibles.
- Launch advanced tournaments and mobile apps for Android and iOS.

Phase 3 (Q4 2025)

- Integrate with the metaverse for immersive gameplay experiences.
- Expand cross-chain functionality to increase adoption across multiple networks.
- Introduce AI-powered matchmaking and analytics tools for competitive players.



Conclusion

RPS League is not just a game; it's a vision to bring blockchain transparency and play-to-earn innovation to casual and competitive gaming. With fair mechanics, meaningful rewards, and a thriving community, RPS League is poised to redefine the gaming landscape.

Legal Disclaimer

This whitepaper is for informational purposes only and does not constitute an offer to sell or a solicitation to buy RPS tokens. Blockchain investments carry inherent risks. Please consult with financial and legal advisors before participating.