MiCA CRYPTO-ASSET WHITE PAPER

MEGA TOKEN

Issued by Superior Performance Limited

Date of Notification: 24/09/2025

Home Member State: Malta

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Regulatory Statements

02. Statement in accordance with Article 6(3) of Regulation (EU) 2023/1114

This crypto-asset white paper has not been approved by any competent authority in any Member State of the European Union. The offeror of the crypto-asset is solely responsible for the content of this crypto-asset white paper.

03. Compliance statement in accordance with Article 6(6) of Regulation (EU) 2023/1114

This crypto-asset white paper complies with Title II of Regulation (EU) 2023/1114 and, to the best of the knowledge of the management body, the information presented in the crypto-asset white paper is fair, clear and not misleading and the crypto-asset white paper makes no omission likely to affect its import.

04. Statement in accordance with Article 6(5), points (a), (b), (c) of Regulation (EU) 2023/1114

The crypto-asset referred to in this white paper may lose its value in part or in full, may not always be transferable and may not be liquid.

05. Statement in accordance with Article 6(5), point (d) of Regulation (EU) 2023/1114

FALSE (Not applicable — MEGA is not classified as a utility token)

06. Statement in accordance with Article 6(5), points (e) and (f) of Regulation (EU) 2023/1114

The crypto-asset referred to in this white paper is not covered by the investor compensation schemes under Directive 97/9/EC of the European Parliament and of the Council. The crypto-asset referred to in this white paper is not covered by the deposit guarantee schemes under Directive 2014/49/EU of the European Parliament and of the Council.

07. Warning in accordance with Article 6(7), second subparagraph of Regulation (EU) 2023/1114

Warning: This summary should be read as an introduction to the crypto-asset white paper. The prospective holder should base any decision to purchase this crypto-asset on the content of the crypto-asset white paper as a whole and not on the summary alone. The offer to the public of this crypto-asset does not constitute an offer or solicitation to purchase financial instruments and any such offer or solicitation can be made only by means of a prospectus or other offer documents pursuant to the applicable national law. This crypto-asset white paper does not constitute a prospectus as referred to in Regulation (EU) 2017/1129 of the European Parliament and of the Council (36) or any other offer document pursuant to Union or national law.

Summary

08. Characteristics of the Crypto-Asset

MEGA is the native token of MegaETH, a next-generation Ethereum Layer 2 blockchain that achieves 100,000 transactions per second with 10-millisecond block times. MEGA tokens serve multiple functions: gas fee payment for network transactions at significantly reduced costs compared to Ethereum mainnet, future staking mechanisms for network security, governance participation for protocol upgrades, and ecosystem incentives. The token operates as an ERC-20 token during the sale, with bridge functionality to the MegaETH network post-mainnet. The total supply is 10,000,000,000 MEGA tokens, with 500,000,000 (5%) offered in the public sale through an English Auction format. The token has no intrinsic value or asset backing; its worth is derived entirely from network utility and market dynamics.

09. Key Information about Utility Tokens

Not applicable — MEGA is not a utility token.

10. Key Information about the Offer to the Public or Admission to Trading

Superior Performance Limited is conducting a public token sale on October 27, 2025, offering 500 million MEGA tokens (5% of the total supply) through an English Auction format with a ceiling price to achieve market-driven price discovery. The sale accepts USDT, with a maximum allocation of $186,282 per KYC-verified individual and a minimum deposit requirement of $2,650. Purchasers can choose whether they want their tokens locked for 1 year in exchange for a 10% discount. Once the auction has settled and allocations are calculated, purchasers have a 14-day window to withdraw from the token purchase if they choose so, and receive a full refund. Forfeited tokens will flow to committed purchases. Following the sale and the launch of the MegaETH mainnet, a bonus token campaign allows purchasers to compete for additional tokens through their activeness on the network. Token distribution for the purchased portion from the sale occurs at the Token Generation Event (TGE), which takes place a minimum of 40 days post-sale, save for those purchasers who opt to lock in their tokens and benefit from a 10% discount. Superior Performance Limited serves as both the offeror and issuer of the MEGA tokens.

Part I – Information on Risks

I.1 Offer-Related Risks

(1) Semi-Auction Price Discovery Risk: The semi-auction mechanism allows bidding between $0.0001 and $0.0999 per token, creating a 1000x price range. Participants may face uncertainty about the final clearing price determined by Sonar. Conservative bidders may miss allocation if the clearing price settles below their bid, while aggressive bidders may overpay relative to post-launch market prices.

(2) Activity-Based Selection for Oversubscription: When demand exceeds supply at the clearing price, MegaETH screens bidders' past activity on the MegaETH testnet and social media engagement to select winning bidders. This selection process may disadvantage new participants without prior ecosystem involvement.

(3) KYC/AML Verification Requirements: All participants must complete mandatory KYC/AML verification before participating. Technical issues, documentation rejections, or processing delays could prevent eligible participants from joining the sale. Each KYC identity is permanently linked to one wallet address, with no ability to correct errors.

(4) Single Payment Method Risk: The sale accepts only USDT on Ethereum mainnet. Participants must acquire USDT in advance, bearing conversion costs and risks. If USDT experiences technical issues, depegging, or regulatory actions during the sale period, the entire offering could be affected.

(5) Bonus Campaign Competition Risk: The post-mainnet bonus campaign may create allocation variance. Only 5,000 participants can achieve leaderboard status based on network activity. Winners can receive up to 2x their original allocation (100% bonus tokens), while non-winners receive only their base allocation.

(6) Extended Timeline to Token Receipt: With token distribution occurring at TGE in January 2026, participants face approximately 3 months without access to their tokens. During this period, they cannot react to market conditions, competitive developments, or protocol issues.

(7) Fixed Duration and Clearing Price Risk: The 72-hour fixed duration means the auction cannot extend if there is high demand. Sonar's determination of the clearing price could introduce centralization risk. Participants cannot adjust their bids after submission except to add more funds (up to the cap) or change their maximum price.

I.2 Issuer-Related Risks

(1) Limited Operating History: Superior Performance Limited was established in June 2025, providing limited historical performance data and operational track record for assessment.

(2) Centralization Risks: The current architecture relies on a single sequencer model for performance optimization, creating potential single points of failure until decentralization measures are implemented.

(3) Governance Structure: The governance model and decision-making processes for protocol upgrades and parameter changes may undergo further developments as the protocol matures.

(4) Development Team Concentration: Currently there are 23 team members managing complex protocol development.

I.3 Crypto-Assets-Related Risks

(1) Market-Determined Value: MEGA derives value from protocol utility and market demand without underlying assets, revenue rights, or redemption guarantees.

(2) Token Model Complexity: The dual allocation mechanism (public sale and whitelist campaign) and various lockup periods may create complexity in understanding token distribution and unlock schedules.

(3) Supply Inflation: Following the initial 10 billion token supply, ongoing emissions and staking rewards may create inflationary pressure affecting token value.

(4) Ecosystem Dependency: MEGA's value correlates strongly with Ethereum mainnet adoption, Layer 2 ecosystem growth, and the success of applications built on MegaETH.

(5) Lock-up Considerations: Various lock-up periods apply: purchasers can opt for a 1-year lock-up in exchange for a 10% discount.

(6) Liquidity Fragmentation: Tokens may trade across multiple venues with varying liquidity.

(7) Correlation Risk: Token value may correlate with broader crypto market regardless of protocol performance.

(8) Utility Limitations: Token utility limited to network-specific functions.

(9) Vesting Complexity: Multiple vesting schedules for different participant categories.

I.4 Project Implementation-Related Risks

(1) Technical Execution: Achieving the promised 100,000 TPS and 10ms block times requires flawless execution of complex technical architecture that has limited precedent in blockchain.

(2) Developer Adoption: Success depends on attracting developers to build applications that leverage MegaETH's high-performance capabilities, competing against established Layer 2 ecosystems.

(3) Infrastructure Dependencies: Reliance on external components like EigenDA for data availability and Ethereum mainnet for security creates dependencies on third-party infrastructure.

(4) Mainnet Launch Delays: The targeted Q4 2025 mainnet launch could face delays due to technical challenges, security audits, or unforeseen complications.

(5) Bonus Campaign Execution: The post-sale campaign on mainnet for additional tokens adds complexity and execution risk to the token distribution process.

(6) Multi-sided Market Risk: Success requires simultaneous adoption by users, developers, and validators.

(7) Oracle Dependencies: DeFi applications will rely on external price feeds.

(8) Cross-chain Implementation: Bridging technology may introduce additional security considerations.

(9) User Experience Complexity: High-performance features may require technical sophistication.

(10) Partnership Dependencies: Ecosystem growth may depend on strategic partnerships.

I.5 Technology-Related Risks

(1) Smart Contract Vulnerabilities: Despite audits, undiscovered bugs in smart contracts could lead to loss of funds or protocol manipulation.

(2) Scalability Trade-offs: The heterogeneous architecture and single sequencer model, while enabling high performance, may compromise decentralization principles if not mitigated.

(3) State Management Complexity: Custom state tree designs and memory-optimized sequencers introduce novel technical components that may have unforeseen failure modes.

(4) Bridge Security: As a Layer 2, MegaETH depends on bridge security for asset transfers, with historical bridge exploits demonstrating this as a significant risk vector. Although such risk is mitigated by the fact that a trust-free canonical bridge is used, risks such as smart contract bugs could still exist.

(5) Network Stability: Operating at 100 blocks per second with 10ms mini-blocks pushes technical boundaries and may face stability challenges under real-world conditions.

(6) MEV Exposure: High-frequency block production may create new MEV attack vectors.

(7) Data Availability Risks: Dependency on EigenDA for data availability introduces external failure points.

(8) Upgrade Risks: Protocol upgrades require careful coordination to avoid disruptions.

(9) Private Key Management: Users are responsible for securing their own keys with no recovery possible if access to the keys is lost.

(10) Emerging Attack Vectors: Novel architecture may have undiscovered vulnerabilities.

I.6 Mitigation Measures

(1) Comprehensive Security Audits: Multiple security audits by leading firms before mainnet launch to identify and resolve vulnerabilities.

(2) Phased Rollout: Testnet deployment (March 2025) allows extensive testing and optimization before mainnet launch, reducing technical risks.

(3) Strong Backing: Support from Ethereum ecosystem leaders including Vitalik Buterin provides technical expertise and ecosystem credibility.

(4) KYC Requirements: Mandatory KYC/AML compliance for all sale participants reduces regulatory risks and ensures participant verification.

(5) Allocation Caps: $1,000,000 maximum allocation per individual prevents excessive concentration and promotes wider distribution.

(6) Progressive Decentralization: Roadmap includes transition from single sequencer to decentralized sequencer set, addressing centralization concerns.

(7) Emergency Procedures: Implementation of circuit breakers and emergency pause mechanisms to respond to critical incidents.

(8) Transparent Communication: Regular updates through official channels during development phases to maintain community trust.

(9) Professional Monitoring: Ongoing security monitoring and incident response capabilities. These measures reduce but cannot completely eliminate risks inherent to experimental blockchain protocols.

Part A – Information about the Offeror

A.1 Name	Superior Performance Limited
A.2 Legal Form	BVI Business Company
A.3 Registered Address	Rodus Building, P.O. Box 3093, Road Town, Tortola, VG1110, British Virgin Islands
A.4 Head Office	Rodus Building, P.O. Box 3093, Road Town, Tortola, VG1110, British Virgin Islands
A.5 Registration Date	26 June 2025
A.6 Legal Entity Identifier	Not Applicable
A.7 National Identifier	2180266
A.8 Contact Telephone	+1 284 394 4030
A.9 E-mail Address	legal@megaethfoundation.org
A.10 Response Time	Five (5) business days
A.11 Parent Company	MegaETH Foundation
A.13 Business Activity	Issuance, offering, and sale of the MEGA token
A.14 Parent Activity	Research, development, and use of the MegaETH protocol
A.15 Newly Established	TRUE

A.12 Members of the Management Body

MegaETH Foundation, with company number 420667 and its registered address at: Offices of Highvern Cayman Limited at PO Box 448, Elgin Court, Elgin Avenue, George Town, Grand Cayman, KY1-1106, Cayman Islands.

A.16 Financial Condition for the Past Three Years

Superior Performance Limited is a newly established entity incorporated on June 26, 2025, and therefore does not have three years of operating history. Superior Performance Limited is a wholly-owned subsidiary of MegaETH Foundation and will receive financial support from MegaETH Foundation.

Parent Entity Financial Position: MegaETH Foundation holds 4,966 ETH in assets, valued at approximately $20,831,319 USD (at the current ETH price of $4,194.45 as of September 23, 2025). These assets are available to support the Foundation's operations and its subsidiary's activities.

Related Ecosystem Development milestones: June 2024 — $20 million seed funding round led by Dragonfly Capital, with participation from Vitalik Buterin and Joseph Lubin; December 2024 — $10 million community funding round via the Echo platform; March 2025 — Launch of MegaETH testnet; June 2025 — Establishment of Superior Performance Limited as the token issuance entity.

Current Operations: The MegaETH development team consists of 23 team members focused on protocol development, infrastructure optimization, and ecosystem growth. Development and operational activities are funded through the Foundation's resources.

A.17 Financial Condition Since Registration

Since its registration on June 26, 2025, Superior Performance Limited has operated as a wholly-owned subsidiary of MegaETH Foundation with access to the Foundation's financial resources. MegaETH Foundation holds 4,966 ETH (valued at approximately $20,831,319 USD as of September 23, 2025). Superior Performance Limited will receive financial support from MegaETH Foundation sufficient to execute the October 2025 token offering, cover all associated legal, regulatory, and compliance costs, maintain operations through the token generation event and beyond, and support the continued development of the MegaETH protocol.

Operational Activities Since Registration: Engaged legal counsel for MiCA compliance and token offering preparation; established relationship with Coinbase for custody services as required under MiCA; engaged Spearbit and Sherlock for security audits of the protocol; prepared this whitepaper and associated offering documentation; coordinated with Sonar for KYC/AML services and auction mechanism implementation.

Financial Sustainability: The combination of MegaETH Foundation's ETH holdings and the expected proceeds from the token sale will provide Superior Performance Limited with sufficient operational runway to execute its business plan. Based on the Foundation's current assets of approximately $20.8 million and typical blockchain project operational costs, the entity has adequate resources to support operations for multiple years.

Part B – Information about the Issuer

Not applicable — Superior Performance Limited is both the offeror and the issuer.

Part C – Information about the Trading Platform Operator

Not applicable — This white paper is drawn up by the offeror, not the operator of the trading platform.

Part D – Information about the Crypto-Asset Project

D.1 Project Name	MegaETH
D.2 Crypto-asset Name	MEGA
D.3 Abbreviation	MEGA
D.6 Utility Token	FALSE

D.4 Crypto-Asset Project Description

MegaETH is a next-generation Ethereum Layer 2 blockchain achieving Web2-level performance with 100,000 transactions per second and 10-millisecond block times. It utilizes a heterogeneous blockchain architecture and hyper-optimized EVM execution environment to enable real-time applications including high-frequency trading, fully on-chain gaming, and mass NFT operations while maintaining Ethereum compatibility and security through its Optimistic Rollup design.

D.5 Details of Persons Involved

MegaETH Foundation fosters and supports the research, development, extension and use of the MegaETH protocol and creation of the MEGA token. Superior Performance Limited is the entity responsible for the issuance, offering, and sale of the MEGA token. MegaLabs is the development company responsible for day-to-day operations of the project, incorporated in the Cayman Islands with company number 408416, registered at Offices of CO Services Cayman Limited, P.O. Box 10008, Willow House, Cricket Square, Grand Cayman, KY1-1001.

D.8 Plans for the Token

MEGA will serve as the native token of the MegaETH network with multiple evolving functions: (1) Staking for rotational sequencer once mechanisms are implemented post-mainnet; (2) Staking for network security once proof-of-stake mechanisms are implemented post-mainnet; (3) Governance participation for protocol upgrades and parameter adjustments through future DAO structure; (4) Ecosystem incentives for developers, early adopters, and liquidity providers; (5) Staking for ultra-low-latency adjacency near the active sequencer for latency-sensitive builders. The token will follow a controlled emission schedule with careful management of inflation through staking rewards and potential fee burning mechanisms.

D.9 Resource Allocation

Total Supply: 10,000,000,000 MEGA. Allocation: Public Sale (Sonar) 500,000,000 (5%); Sonar Bonus Pool 250,000,000 (2.5%); Echo Round 500,000,000 (5%); Fluffle Round 250,000,000 (2.5%); Team and Advisors 950,000,000 (9.5%); Foundation/Ecosystem Reserve 750,000,000 (7.5%); VC Allocation 1,470,000,000 (14.7%); KPI Staking Rewards 5,330,000,000 (53.3%).

D.10 Planned Use of Collected Funds

Funds raised from the public sale (up to approximately $50 million if fully subscribed at ceiling price) will be allocated as follows: Protocol Development (40%): Core infrastructure development, performance optimization toward 100,000 TPS target, and feature implementation; Security and Audits (15%): Comprehensive security reviews, bug bounty

programs, and ongoing monitoring; Ecosystem Growth (25%): Developer grants, partnership development, adoption incentives, and community building; Operations (15%): Team expansion, legal compliance, administrative expenses, and infrastructure costs; Reserve Fund (5%): Emergency reserves for unforeseen expenses and market volatility protection.

Part E – Information about the Offer to the Public

E.1 Type	OFFR (Public Offering)
E.3 Fundraising Target	Approx. $50 million USD (at ceiling FDV of $999M)
E.4 Minimum Subscription	Not applicable
E.5 Maximum Subscription	500,000,000 MEGA tokens (5% of total supply)
E.8 Issue Price	Determined by English Auction; ceiling $0.0999
E.9 Currency	USDT on Ethereum mainnet
E.10 Subscription Fee	None
E.12 Total Offered	500,000,000 MEGA
E.20 Time-limited	TRUE
E.21 Period Beginning	October 27, 2025
E.22 Period End	October 30, 2025 (72 hours)
E.24 Payment Methods	USDT on Ethereum mainnet only
E.32 Placement Form	NTAV
E.36 Costs	Ethereum network gas fees
E.37 Offer Expenses	None charged to purchasers
E.39 Applicable Law	The laws of the British Virgin Islands
E.40 Competent Court	The courts of the British Virgin Islands

E.2 Reasons for Public Offer

The public offer aims to achieve market-driven price discovery through an innovative English Auction format, ensuring fair valuation. It will enable broad community participation in the MegaETH ecosystem beyond venture capital investors, provide liquidity for token holders while maintaining long-term alignment through optional lock-ups, fund continued protocol development and mainnet launch preparations, and establish MEGA as a widely-distributed token that supports decentralization goals.

E.11 Offer Price Determination Method

The English Auction mechanism operates as follows: once the auction starts, participants can bid at any price between $0.0001 (starting price, representing $1 million FDV) and $0.0999 (ceiling price, representing $999 million FDV). KYC'd users can deposit any amount between $2,650 and $186,282. Users can adjust their bid price and/or add more deposits if they haven't hit the cap. The auction ends when 72 hours have passed. Sonar runs a mechanism to determine the clearing price, which is the price at which bids higher than or equal to this value fully reserve the 500,000,000 tokens being sold.

E.14 Holder Restrictions

All participants must complete KYC/AML verification before participation. The maximum allocation is $186,282 per KYC-verified individual, and the minimum deposit requirement is $2,650. Each KYC identity can participate with only one wallet address. Jurisdictional restrictions may apply based on local regulations.

E.16–17 Refund Mechanism and Timeline

Refunds will be processed automatically through smart contracts to the originating wallet address used for bidding. For non-winning participants: full refunds within 2 days after allocation calculation completes on November 5th, 2025. For winning participants who wish to withdraw: refunds processed immediately following withdrawal between November 5th and November 19th. For committed winning participants eligible for refunds: processed after November 21, 2025. All refunds issued in USDT to original wallet address.

E.18 Offer Phases

a) Open Bidding Period (October 27–30, 2025): 72-hour auction period. b) Allocation Determination (October 30 – November 5, 2025): Sonar determines the clearing price and allocates tokens. c) Withdrawal Period (November 5–19, 2025): 14-day period mandated by MiCA during which allocation recipients may withdraw. d) Settlement and Distribution (Post-withdrawal): Forfeited tokens redistributed; MEGA tokens distributed to final allocation recipients. Pre-Offer: KYC/AML verification between October 13–27, 2025. Post-Offer: Bonus campaign approximately 30 days on mainnet (December 2025 – January 2026).

E.23 Safeguarding Arrangements

OKCoin Europe Limited (OKX), a MiCA-licensed crypto-asset service provider (CASP) authorized in Malta, will provide custody services for all USDT collected during the token offering. All funds received from participants will be held in custody by OKX from the start of the auction sale through the end of the 14-day withdrawal period, or until the token is admitted to trading, whichever is earlier.

E.26 Right of Withdrawal

Withdrawal requests will be processed from November 5 to November 19, 2025. During this period, allocation winners may exercise their right to cancel their purchase by submitting a withdrawal request through the designated process on the MegaETH sale platform. Upon exercising this right, purchasers will receive a full refund of their payment (in USDT). Purchasers who withdraw forfeit their right to receive MEGA tokens. The right of withdrawal ends on the earlier of: November 19, 2025 (14 days after allocation confirmation), or the date when MEGA tokens are admitted to trading on a crypto-asset trading platform.

Part F – Information about the Crypto-Assets

F.1 Crypto-Asset Type	Crypto-asset other than an asset-referenced token or e-money token
F.4 Type of White Paper	OTHR
F.5 Type of Submission	NEWT
F.7 Commercial Name	MEGA
F.8 Website	https://www.megaeth.com
F.9 Starting Date	27/10/2025
F.10 Publication Date	22/10/2025
F.13 Language	English
F.16 Voluntary Data Flag	FALSE
F.17 Personal Data Flag	FALSE
F.19 Home Member State	Malta

F.2 Crypto-Asset Functionality

MEGA serves as the native token of the MegaETH Layer 2 network with evolving core functionalities: 1) Gas fee payment for all network transactions at significantly lower costs than Ethereum mainnet; 2) Future staking mechanism for network security and validator participation; 3) Governance rights for protocol parameter adjustments, upgrade proposals, and treasury management through planned DAO structure; 4) Ecosystem incentives including developer grants, liquidity mining rewards, and early adopter programs. No intrinsic value, asset backing, or redemption rights — value derives entirely from network utility and market dynamics.

F.6 Crypto-Asset Characteristics

MEGA is implemented as an ERC-20-compliant token, initially deployed on Ethereum mainnet for the public sale phase and transitioning to native implementation on the MegaETH network following mainnet launch. The token features 18 decimal places of precision. Standard fungibility ensures that each MEGA token is identical and interchangeable. The smart contract includes no built-in transfer restrictions, blacklists, or pause mechanisms. The initial total supply is fixed at 10,000,000,000 MEGA tokens, with future emissions controlled through governance-approved mechanisms. A bridge mechanism will enable cross-chain transfers between Ethereum and MegaETH.

F.20 Host Member States

Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden.

Part G – Rights and Obligations

G.1 Purchaser Rights and Obligations

MEGA token holders possess comprehensive rights within the MegaETH ecosystem. These rights include the ability to freely transfer tokens as standard ERC-20 assets, subject only to any voluntary or mandatory lockup periods selected during purchase. After the gas payment feature is implemented, holders can utilize MEGA tokens for gas payments on the MegaETH network. Once governance mechanisms are implemented, token holders will participate in protocol decision-making. Holders are eligible for ecosystem rewards, airdrops, and incentive programs. When staking functionality launches, holders can stake tokens to earn rewards and contribute to network security.

Token holders bear corresponding obligations, including responsibility for all transaction costs, mandatory KYC/AML verification for public sale participants, compliance with applicable laws and regulations, security of private keys and wallet access, and understanding and acceptance of all risks outlined in this white paper.

G.2–G.3 Exercise and Modification of Rights

Token holders exercise their rights through direct interaction with smart contracts deployed on the respective blockchains. Modifications to MEGA token rights and obligations can only be implemented through formal governance proposals once governance mechanisms are fully activated. During the initial bootstrap phase, MegaLabs may adjust certain parameters through multi-signature transactions.

G.4 Future Public Offers	No additional public offers currently planned beyond October 2025
G.6 Utility Token	FALSE
G.9 Non-Trading Request	FALSE
G.14 Value Protection	FALSE
G.16 Compensation Schemes	FALSE
G.18 Applicable Law	The laws of the British Virgin Islands
G.19 Competent Court	The courts of the British Virgin Islands

G.5 Issuer Retained Crypto-Assets

The issuer does not directly retain crypto-assets from the public sale. However, the broader MegaETH ecosystem entities retain: a) Team and Advisors: 950,000,000 MEGA (9.5%) — subject to 1-year cliff and 3-year linear vesting; b) Foundation/Ecosystem Reserve: 750,000,000 MEGA (7.5%); c) KPI Staking Rewards: 5,330,000,000 MEGA (53.3%). Total Ecosystem-Retained: 7,030,000,000 MEGA (70.3% of total supply).

G.11 Transfer Restrictions

MEGA tokens have no protocol-level transfer restrictions and function as standard ERC-20 tokens with full transferability. However, practical restrictions may apply through centralized exchanges (KYC/AML, geographic restrictions, withdrawal limits) and through voluntary lockup periods based on discount selections. Post-mainnet bridge transfers may include security delays.

G.12–13 Supply Adjustment

The initial supply is fixed at 10,000,000,000 MEGA tokens, with no arbitrary minting functions available to any party. Future emission schedules will be determined through governance proposals. The smart contract will have no built-in option for emitting extra tokens. Any governance decision to emit extra tokens would require creating a new token contract and migrating existing tokens.

Part H – Underlying Technology

H.1 Distributed Ledger Technology

MegaETH utilizes distributed ledger technology, specifically blockchain, where all transactions are permanently recorded across multiple nodes in a cryptographically secured, tamper-proof manner.

H.2 Protocols and Technical Standards

MegaETH maintains compatibility with most Ethereum technical standards, including ERC-20 for fungible tokens, ERC-721 for non-fungible tokens, and ERC-1155 for multi-token standards. The protocol implements custom mini-blocks with 10-millisecond processing times alongside standard EVM blocks at 1-second intervals. MegaETH supports EIP-7702 for account abstraction and increases the smart contract size limit to 512KB (vs. Ethereum's 24KB). The network implements EIP-1559's fee market mechanism optimized for high-throughput operations.

H.3 Technology Used

MegaETH employs a heterogeneous node architecture where different node types specialize in specific functions: Sequencers (high-performance servers for ordering and executing transactions with in-memory state); Read replicas (maintain blockchain state and service user queries); Full nodes (independently re-execute all blocks to verify correctness); Provers (generate cryptographic proofs for transaction validity). The system uses EigenDA as a data availability layer and Ethereum mainnet as the ultimate security and finality layer.

H.4 Consensus Mechanism

MegaETH currently operates with a single high-performance sequencer to achieve maximum throughput, with a plan to transition to multiple sequencers operating in a decentralized rotation mechanism. The protocol inherits its security guarantees from Ethereum's Proof-of-Stake consensus mechanism. Transactions are ordered deterministically by the sequencer, and correctness is ensured through a fault proof system.

H.5 Incentive Mechanisms and Fees

Users pay transaction fees denominated in ETH tokens (or MEGA tokens, pending future upgrades), targeted to be 100 times lower than Ethereum mainnet fees. The fee structure consists of a dynamic base fee (EIP-1559) plus an optional priority fee. The protocol plans to implement staking rewards post-mainnet.

H.6 Use of DLT	TRUE
H.8 Audit	TRUE
H.9 Audit Outcome	Audits by Spearbit and Sherlock, results to be published prior to mainnet launch

H.7 DLT Functionality Description

The MegaETH distributed ledger operates through specialized components: (1) Users submit transactions to sequencer mempool via RPC endpoints; (2) Sequencer orders and executes transactions within 10ms mini-blocks; (3) State updates propagated to replica nodes; (4) Mini-blocks aggregated into 1-second EVM blocks; (5) Compressed transaction

data posted to EigenDA; (6) Block commitments submitted to Ethereum for finality; (7) Fault proofs enable anyone to challenge incorrect state transitions. This architecture achieves 100,000 TPS while maintaining verifiability and Ethereum security inheritance.

Part J – Sustainability Indicators

J.01 Name	Superior Performance Limited
J.02 Legal Entity Identifier	2180266
J.03 Crypto-asset Name	MEGA
J.06 Period Start	24/09/2025
J.07 Period End	24/09/2026
J.08 Energy Consumption	44,200 to 132,600 kWh/year (0.1%–0.3% of Ethereum mainnet)

J.04 Consensus Mechanism

MegaETH operates as an Optimistic Rollup Layer 2 solution that inherits the environmental benefits of Ethereum's Proof-of-Stake consensus mechanism. The protocol uses a sequencer-based model for transaction ordering that requires no energy-intensive mining operations. Since Ethereum's transition to Proof-of-Stake, the network has achieved a 99.95% reduction in energy consumption compared to the previous Proof-of-Work system.

J.09 Energy Consumption Sources and Methodologies

Energy consumption estimates are calculated using methodologies developed by the Cambridge Centre for Alternative Finance Blockchain Network Sustainability Index and the Crypto Carbon Ratings Institute. The calculation accounts for sequencer hardware requirements estimated at 200–600 watts, efficiency gains from transaction batching, computational requirements for data compression and state management, and MegaETH's proportional share of Ethereum's settlement layer energy consumption. The analysis uses a global average carbon intensity factor of 358 grams of CO2 equivalent per kilowatt-hour (IEA).

J.10 Environmental Impact

MegaETH's estimated annual carbon emissions range from 15.8 to 47.5 tonnes of CO2 equivalent. This represents a 99.9% efficiency improvement compared to processing the same transaction volume on a Layer 1 blockchain. As Ethereum's validator network continues its transition to renewable energy sources (48% currently using renewable/sustainable energy per Cambridge research), MegaETH's carbon footprint will decrease proportionally.