TongTong Coin White Paper

TomatoChain Mainnet · TongTong Coin (TTC) Digital Asset · Tomato Group Service Ecosystem

A real-usage ecosystem where media, blockchain and AI meet

Version 5.0 (English)

September 2026

Issuer: Tomato Inc. (Republic of Korea)

Document Information

Item	Detail
Document	TongTong Coin (TTC) White Paper
Version	5.0 (September 2026) — a full revision of v4.0 (April 2026)
Issuer	Tomato Inc. (Republic of Korea)
Planning & operations	TomatoPay Inc. (planning, operations, dApps)
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Official website	https://tomatochain.net
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Contents

Executive Summary

TongTong Coin (TTC) is the native digital asset of TomatoChain, a blockchain mainnet built as an Avalanche L1. Its issuer is Tomato Inc., and its role is to connect the media and broadcast, financial-information, commerce and payment-gateway services operated by the Tomato Group into a single reward economy.

This white paper (v5.0) is a full revision of v4.0. It reflects the migration to the Avalanche L1 mainnet completed in March 2026, the CertiK security audit, and the service ecosystem expanding through 2026–2027: the daily Stocktong Pot quiz show, the Newstomato reward pool, TTR payments at TongTong Mall, TomatoRaffle, and the adoption of blockchain in payment-gateway settlement.

Key facts	Detail
Total supply	1,000,000,000 TTC (fixed; no further issuance)
Mainnet	TomatoChain — Avalanche L1, EVM-compatible, PoA
Security audit	CertiK, 0 critical / 0 major (report May 2026)
Daily reward touchpoint	TomatoTV × Jeungkwontong (4M+ downloads) daily quiz show, TTR worth ≈ KRW 300,000 per day
Monthly reward pool	Newstomato dApp, ≈ KRW 15 million per month
Capital structure	No VC allocation; self-funded

The core design is simple. Users earn TTR (TongTong Reward) points by participating in and contributing to Tomato Group services; TTR can be spent at TongTong Mall or exchanged for the digital asset TTC in TomatoWallet. Because TTR cannot be purchased with money and no reverse exchange from TTC or TTCO into TTR is supported, demand for TTC is designed to arise from real service activity rather than speculation.

What is new in v5.0

- Completion of the Avalanche L1 mainnet migration (TGE, March 2026) and the CertiK security audit results
- The daily live quiz show Stocktong Pot (TomatoTV × Jeungkwontong) and its TTR reward structure
- Newstomato onboarded as a dApp with a monthly reward pool worth approximately KRW 15 million
- TTR payments at TongTong Mall and the on-chain raffle TomatoRaffle (expanded utility)

- Formalised no-VC capital structure and the principle that each affiliate sources its own TTC
- Roadmap (published half-yearly on X) and the partner list

Disclaimer

- This document is a conceptual paper (white paper) describing the TomatoChain mainnet and the TongTong Coin (TTC) digital asset. It is subject to modification or replacement at any time.
- The purpose of this white paper is to provide information on the platform, its background and its mode of operation to parties interested in TomatoChain and TongTong Coin. It should not be construed as a solicitation to buy or sell.
- This white paper describes plans for the TomatoChain business and should not be understood as a guarantee of future realisation. Any decision made on the basis of this document is the sole responsibility of the party making it.
- No warranty is given as to the accuracy or completeness of the information, statements, opinions or other matters contained herein or relating to the business, which may change as the business progresses.
- TongTong Coin (TTC) is a utility-type digital asset. It confers no voting rights, dividend rights, profit-sharing rights or any other shareholder-equivalent right in any company operating the project.
- Schedules, figures and partnerships described herein are as of the date of writing and may change with the applicable laws, the regulatory environment and business conditions.

1. The Tomato Group and the Ecosystem

1.1 Three capabilities under one roof

The Tomato Group holds three capabilities within a single group: media and broadcast, blockchain, and AI. The news portal Newstomato, the television channel TomatoTV and the stock-information application Jeungkwontong — with more than four million cumulative downloads — create daily touchpoints with a large audience. The group's own blockchain mainnet, TomatoChain, and its self-custody wallet, TomatoWallet, turn the participation and contribution generated at those touchpoints into transparent rewards. And TOMA, an AI-agent platform being built on the group's own GPU infrastructure, becomes a new kind of participant that acts on users' behalf inside that reward economy.

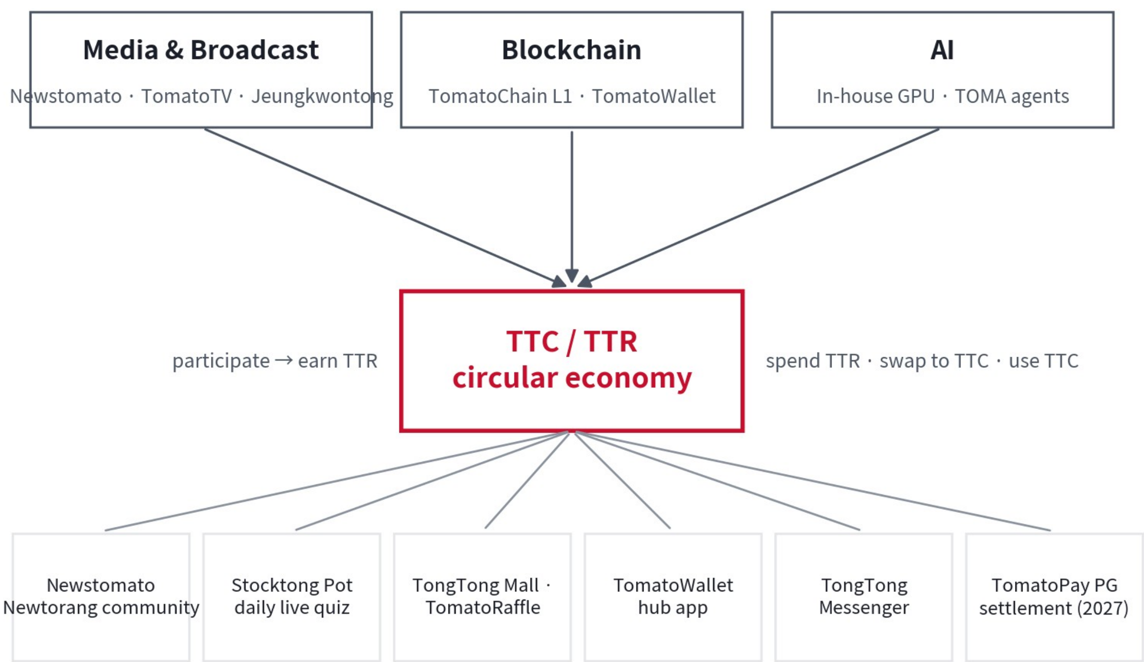

Figure 1. The Tomato Group ecosystem — media & broadcast, blockchain and AI combine into the TTC/TTR circular economy

Each capability is valuable on its own, but their combination gives the token economy a distinctive strength. Media generates activity that deserves rewards every day; blockchain records those rewards verifiably; AI widens the range of both activity and use. Every new service adds another place where TTR is earned and TTC is used, so the token's utility is tied to the expansion of the group as a whole rather than to any single product.

1.2 Services in the ecosystem

Service	Operator	Role in the ecosystem
Newstomato · Newtorang	Media Tomato	TTR rewards for news consumption and community activity; monthly reward-pool competition (onboarded as a dApp)
Stocktong Pot	TomatoTV · Tomato Jeungkwontong	Daily live quiz show; TTR paid to correct answerers and top participants
TongTong Mall · TomatoRaffle	TomatoPay	TTR payments; distribution of physical goods through a TTC-based on-chain raffle
TomatoWallet	TomatoPay · TomatoAI	Custody of TTC, TTR and TTCO; TTR→TTC exchange; ecosystem hub app
TongTong Messenger	Tomato Group	P2P encrypted messenger; TTC and TTR transfers between friends
TomatoPay (PG)	TomatoPay	Payment gateway; blockchain to be adopted in settlement in 2027

1.3 Operating structure

The issuer of TongTong Coin is Tomato Inc. From September 2026, work related to TongTong Coin is divided between two companies: TomatoPay Inc. is responsible for planning, operations and dApp planning, while TomatoAI Inc. is responsible for development and infrastructure maintenance, including the mainnet and dApps. Smart contracts are designed by TomatoPay and implemented and tested by TomatoAI.

2. TomatoChain Mainnet

2.1 Network overview

TomatoChain is an independent blockchain network built as an Avalanche L1. An Avalanche L1 has its own consensus rules and economic model while benefiting from the interoperability and security foundation of the Avalanche mainnet ecosystem. TomatoChain is EVM-compatible, so standard wallets such as MetaMask and standard developer tooling can be used as they are.

TomatoChain is connected to the various services operated by the Tomato Group and serves as the base infrastructure for paying rewards on user activity and operating the ecosystem. Ava Labs, the developer of Avalanche, supports network operation under an MOU and an infrastructure agreement.

2.2 Consensus

TomatoChain adopts Proof of Authority (PoA) consensus. In PoA, pre-verified and trusted node operators (authorities) participate in block production and validation, enabling stable network operation and efficient transaction processing.

2.3 Native and gas token

The native token and gas token of TomatoChain is TongTong Coin (TTC). All transaction fees (gas) on the network are paid in TTC, which makes TongTong Coin an essential resource for operating the TomatoChain mainnet.

2.4 Deployment structure and the ICM bridge

The TomatoChain mainnet (L1) is the canonical issuing chain of TongTong Coin. TTC is also deployed on the Avalanche C-Chain as an ERC-20 token for centralised-exchange listings and external liquidity. Movement between the two chains uses Avalanche's official cross-chain messaging protocol, ICM (Interchain Messaging).

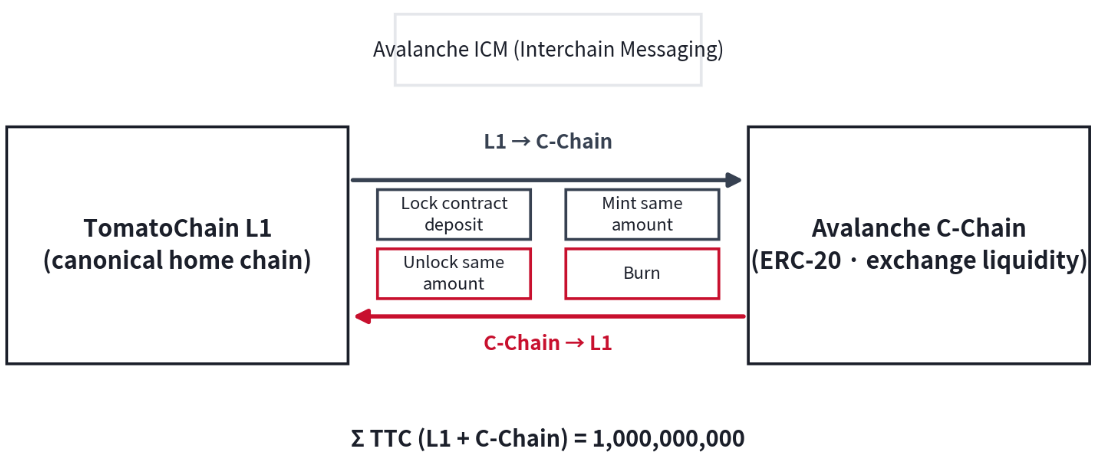

Figure 2. Bidirectional movement between TomatoChain L1 and the Avalanche C-Chain via ICM (lock-and-mint / burn-and-unlock)

- L1 → C-Chain: the TTC on L1 is not burned but deposited into a dedicated lock contract, and the same amount of ERC-20 TTC is minted on the C-Chain and delivered to the user.
- C-Chain → L1: the TTC on the C-Chain is burned, and the same amount of TTC is released from the L1 lock contract and delivered to the user.
- In both directions, the combined supply across L1 and the C-Chain remains consistent with no risk of double issuance.

2.5 Security audit

The TomatoChain mainnet and the TongTong Coin smart contracts were audited by the blockchain security firm CertiK. The audit was requested on 23 April 2026 and the report was delivered on 1 May 2026; the results are published on CertiK Skynet.

Item	Result	Notes
Audit scope	2 audits	Tong Tong Coin audit · Tomato chain smart-contract audit
Critical / Major	0 / 0	No critical or major findings
Medium / Minor	1 / 2	Reviewed; resolved or acknowledged
Informational / Centralization	4 / 1	Informational notes, including centralisation inherent to PoA operation
Status	Resolved 2 · Acknowledged 6	8 findings in total
CertiK Skynet score	74.68 / 100 (BBB)	As retrieved on 11 September 2026; the score is updated continuously

Audit results: https://skynet.certik.com/projects/tongtongcoin

3. TongTong Coin (TTC) — Digital Asset

3.1 Basic information

Item	Detail
Name	TongTong Coin
Symbol	TTC
Issuer	Tomato Inc. (a corporation based in the Republic of Korea)
Classification	Digital asset (utility)
Mainnet	TomatoChain (Avalanche L1, EVM-compatible)
Total supply	1,000,000,000 TTC (fixed; no further issuance)
External chain	Avalanche C-Chain (ERC-20)
C-Chain contract	0xd4b75398bF99d84fEBf79DB4D05D0951b51159c3
Security audit	CertiK (report delivered May 2026)

3.2 Current uses

As of the date of this white paper, TongTong Coin is used for the following.

- Native and gas token of the TomatoChain mainnet
- Reward for user activity within the Tomato Group service ecosystem and the asset into which TTR is exchanged
- On-chain use inside ecosystem dApps, such as minting TomatoRaffle tickets
- Peer-to-peer transfers through TongTong Messenger and TomatoWallet

TongTong Coin (TTC) is not currently used as a general means of payment for goods and services. Whether it will be used for payment in the future will be reviewed and announced separately in line with changes in applicable laws and the regulatory environment.

3.3 How affiliates and dApps source TTC

The TTC that Tomato Group affiliates and individual dApps need for rewards and operations is neither allocated nor newly issued by the issuer. Each company sources the TTC its own services require directly from the market. This principle ensures that real demand for TTC grows as services expand, and structurally limits the ability of any single company to influence the market with held inventory.

4. Tokenomics

4.1 Total supply

The total supply (maximum circulating amount) of TongTong Coin is fixed at 1,000,000,000 (one billion) TTC and remains unchanged after the migration to the Avalanche-based mainnet. There is no further issuance, and the policy of avoiding excessive airdrops to prevent market shocks is maintained.

4.2 Issuance and network history

Figure 3. Issuance and network history of TongTong Coin (2018–2026)

- June 2018 — Tomato Inc. issues 10,000,000,000 (ten billion) TTC on its own blockchain, TTChain.
- 28 April 2020 — 9,000,000,000 TTC, 90% of the total, is burned; the total supply is fixed at 1,000,000,000 TTC.
- 2025 — Multichain expansion to the Solana network to provide trading liquidity.
- March 2026 — Migration to the Avalanche-based TomatoChain L1 mainnet (TGE on 23 March 2026). All TTC on the legacy TTChain and Solana networks is burned, and circulation is unified on TomatoChain L1 (native) and the Avalanche C-Chain (ERC-20).
- May 2026 — CertiK security-audit report delivered.

Holders of TTC on the legacy TTChain and Solana networks can migrate their holdings to the new network using the migration feature in TomatoWallet; the schedule and procedure are announced separately.

4.3 Lockup release plan

The non-circulating supply of TongTong Coin will be released in stages over five years from 2028 to 2032, with lockup management handled centrally on the TomatoChain L1.

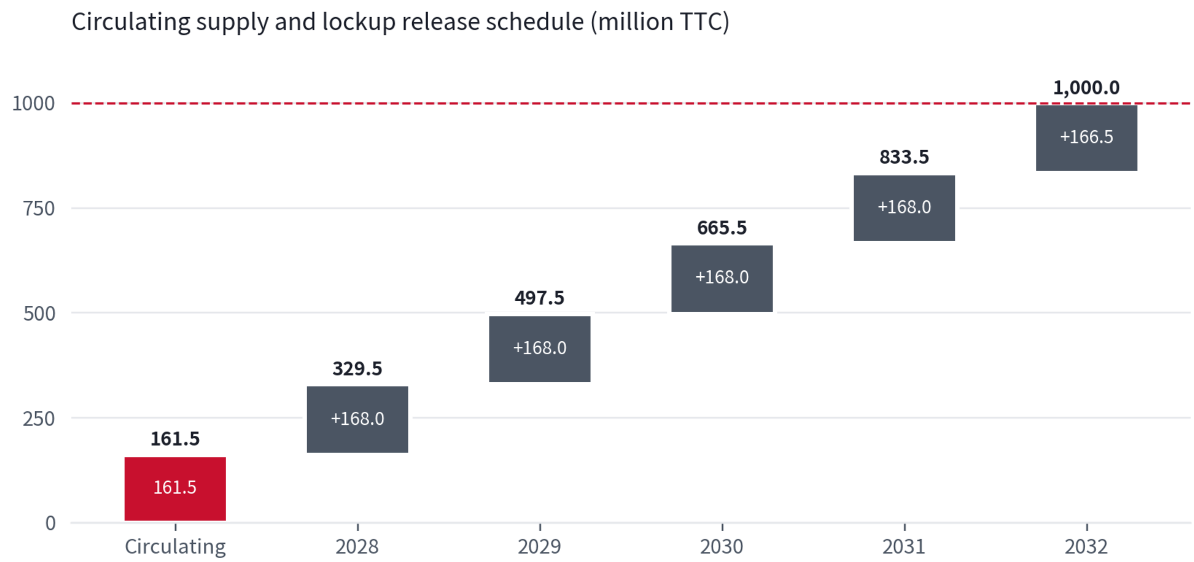

Figure 4. Current circulating supply and the annual lockup release plan (cumulative, million TTC)

Item	Amount (TTC)
Current circulating supply	161,521,405
Release in 2028	168,000,000
Release in 2029	168,000,000
Release in 2030	168,000,000
Release in 2031	168,000,000
Release in 2032	166,478,595
Cumulative released (total supply)	1,000,000,000

- A lockup release does not necessarily mean a sale by the issuer.
- If part of the plan must change in an emergency, the issuer will consult exchanges in advance and give users prior notice as a matter of principle.
- TTC deposited in the L1 lock contract during L1 ↔ C-Chain transfers is regarded as already circulating and is managed separately from the release plan above.

4.4 Capital structure — self-funded, no venture capital

There is no allocation of TongTong Coin to venture-capital firms or other outside investors. The funds required for mainnet development, audits and service operations are raised by the Tomato Group itself. As a result, there is no investor-unlock event in which a large amount of tokens enters the market at a set point in time. Combined with the five-year staged release plan and the principle that each affiliate sources its own TTC, this structure prevents token inflation pressure by design.

Three structural features work against inflation pressure.

- Fixed supply: 1 billion TTC, no further issuance
- Gradual release: roughly 16.8% of supply per year from 2028 to 2032
- Demand-linked: affiliates and dApps buy the TTC they need on the market; no VC allocation

4.5 Tomato Group executives and employees

Tomato Group executives and employees are granted TongTong Coin options equivalent to three months of their salary. The options can be exercised at a conditional price of KRW 100 per TTC, and when salary changes, additional options can be purchased for the increased amount. Employee options operate within the lockup release plan above.

5. Ancillary Assets within Tomato Group Services

TTR (TongTong Reward) and TTCO (TongTong Coupon), described in this chapter, are assets of a different nature from TongTong Coin (TTC). TTR and TTCO are not digital assets; they are points and coupons granted and managed under the terms of use of the services operated by the Tomato Group.

5.1 TTR (TongTong Reward) — points

TTR is a reward point granted to users for participation and contribution within Tomato Group services. TTR is recorded as a token on TomatoChain, which makes its issuance, movement and expiry transparent, but it is a point rather than a digital asset and is issued, used and expired in accordance with the Tomato Group service terms of use.

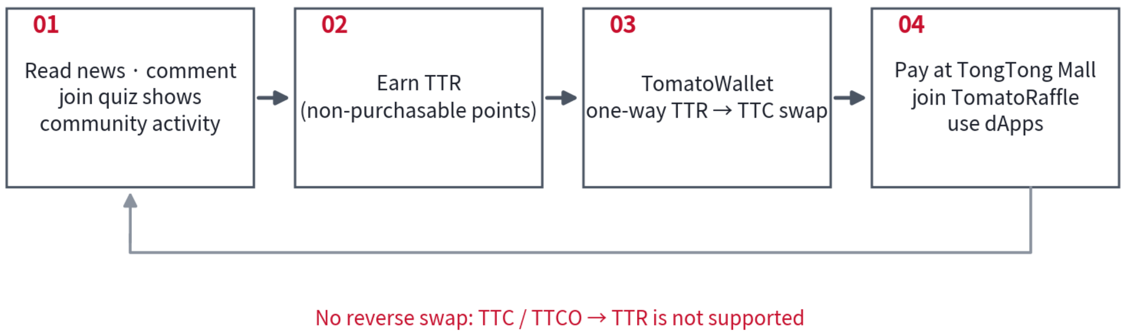

Figure 5. The TTR → TTC loop — earned through participation, exchanged in the wallet, used across the ecosystem

How TTR is earned

- Stocktong Pot: take part in the live quiz show run daily by TomatoTV and Jeungkwontong. Correct answerers and top participants receive TTR worth approximately KRW 300,000 every day.
- Newstomato · Newtorang: read articles, write posts and comments, share. A monthly reward pool worth approximately KRW 15 million is distributed according to activity rankings.
- Other participation and contribution within Tomato Group services, according to each service's policy

How TTR is used

- As a point payment method when purchasing goods at TongTong Mall
- Exchanged for TongTong Coin (TTC) in TomatoWallet (one-way)
- Exchanged for TTCO (TongTong Coupon) in TomatoWallet

Grant and exchange restrictions

- TTR is granted solely as a reward for the user's participation and contribution within Tomato Group services.
- There is no purchase (or sale) channel for TTR; it cannot be bought with money (fiat, cryptocurrency or otherwise).
- TTR can be exchanged for TTC or TTCO in TomatoWallet, but the reverse — exchanging TTC or TTCO into TTR — is not supported.
- Collection of personal data is minimised and user anonymity is respected.

5.2 TTCO (TongTong Coupon) — discount coupons

TTCO is a coupon-type asset that provides discounted access to Tomato Group products and services. TTCO is a discount coupon, not a digital asset, and is issued, used and expired in accordance with the Tomato Group service terms of use.

- Grant: given free of charge on subscribing to a paid Tomato Group subscription service (subject to recovery on cancellation)
- Acquisition: exchange of TTR for TTCO in TomatoWallet
- Use: discounted prices at TongTong Mall and at Tomato Group subscription and partner services
- Validity: usable only within the subscription term; expires when the term ends

5.3 Asset classification at a glance

	TTC	**TTR**	**TTCO**
Nature	Digital asset (utility)	Points	Discount coupon
Basis	This white paper · TomatoChain mainnet	Service terms of use	Service terms of use
Acquisition	Exchange purchase, TTR exchange, rewards	Service participation (cannot be bought)	Subscription, TTR exchange
Use	Gas, dApps, raffle, transfers	TongTong Mall payment, exchange to TTC/TTCO	Discounts
External trading	Yes (exchange-listed)	No	No
Reverse exchange	—	TTC/TTCO → TTR not supported	TTCO → TTR not supported

6. dApps and Services

The TomatoChain ecosystem expands through dApps connected to the services operated by the Tomato Group. The principal dApps and services directly linked to TomatoChain and TongTong Coin at the date of this white paper are as follows.

6.1 TomatoWallet

TomatoWallet is a digital-asset wallet that fully renews the former TongTong Wallet. It supports the Avalanche-based TomatoChain L1 and the C-Chain, and includes a migration feature for moving TongTong Coin from the legacy networks (TTChain and Solana) to the new network. TomatoWallet is evolving into the hub app of the ecosystem, with in-app web views giving direct access to the Newtorang community, TongTong Mall and TomatoRaffle.

- Custody of TongTong Coin (TTC), TTR, TTCO and major digital assets
- Migration of TTC from legacy networks to the Avalanche-based network
- ICM-based bidirectional transfers between TomatoChain L1 and the Avalanche C-Chain
- TTR → TTC / TTCO exchange (the reverse is not supported)
- Security features including locally encrypted private-key storage and biometric authentication. Private keys are never sent to external servers, and no personal data is required to use the wallet.

6.2 Stocktong Pot — the daily live quiz show

Stocktong Pot is a live quiz broadcast run every day as a joint production of TomatoTV, the Tomato Group's television channel, and Jeungkwontong, a stock-information application with more than four million cumulative downloads. It combines the broadcaster's content-production capability with the app's user base, and gives existing financial-content users a natural entry point into the TomatoChain ecosystem.

- Format: daily live quiz broadcast inside the Jeungkwontong application
- Rewards: TTR worth approximately KRW 300,000 paid every day to correct answerers and top participants
- Link: the TTR can be spent at TongTong Mall or exchanged for TTC in TomatoWallet

6.3 Newstomato — a reward-pool dApp

Newstomato is a general news portal (https://www.newstomato.com) operated by Media Tomato, covering politics, the economy, industry, society, securities and IT. Its Newtorang community is a participatory space where readers exchange opinions and discuss articles.

Newstomato has been onboarded as a TomatoChain dApp with a monthly reward pool worth approximately KRW 15 million, for which users compete through community activity. The pool is distributed in TTR according to activity such as posts, comments and shares, and users can exchange the TTR for TTC or TTCO through TomatoWallet. This extends news consumption from a simple act of obtaining information into a participation-and-reward content ecosystem.

6.4 TongTong Mall and TomatoRaffle — expanded utility

TongTong Mall is a commerce platform operated by TomatoPay that sells the group's own OEM products and partner products. It supports TTR point payments, serving as the exit through which rewards earned in the ecosystem become physical goods.

TomatoRaffle is an on-chain raffle service linked to TongTong Mall, introduced to add further utility to TongTong Coin. Users take part by minting a fixed number of ticket NFTs per round with TTC, and every ticket is redeemed for a physical product — there are no losing tickets. Results are revealed all at once after a round sells out, and the randomness process can be verified publicly through the smart contract.

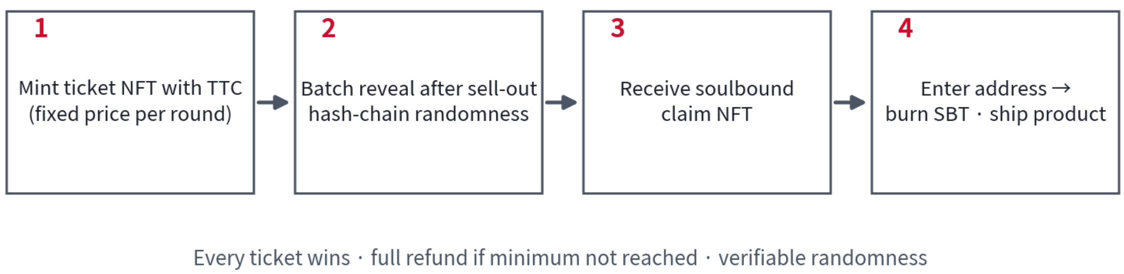

Figure 6. TomatoRaffle participation flow — minting, batch reveal, claim SBT, delivery

- Participation: mint ticket NFTs with TTC using TomatoWallet or any EVM-compatible wallet such as MetaMask
- Fairness: hash-chain randomness and a batch (blind-box) reveal prevent operator interference
- Claim: the prize is issued as a non-transferable soulbound token (SBT); the user enters a delivery address and burns the SBT to receive the product
- Protection: if a round does not reach its minimum sales quantity, all TTC paid is refunded
- Operation: monthly rounds, with the first round planned for Q4 2026. Extending participation to TTR and Avalanche-ecosystem assets is under review

6.5 TongTong Messenger

TongTong Messenger is the Tomato Group's P2P messenger platform. The server stores no messages and only relays them; all conversations take place directly between devices. AES-256 encryption prevents interception in transit, and users can sign up with only a mobile phone number. Its open architecture links with TomatoWallet so that friends can send and receive TongTong Coin (TTC) and TTR.

6.6 AI agents and the expanding ecosystem

The Tomato Group is building TOMA, an open-source AI-agent platform, on its own GPU infrastructure. TOMA agents are modularised to call TomatoWallet, TongTong Mall and TomatoRaffle functions so that they can shop, transfer tokens and take part on-chain on a user's behalf. An AI-driven metaverse and companion service built on the same characters is in development, with TTC and TTR serving as its in-service economy. AI-curated news is being introduced to Newstomato, widening the scope of community activity and reward-pool competition.

7. Roadmap

The detailed TomatoChain roadmap is published every half-year on the official X channel (@tomatochain). This white paper lists only the milestones confirmed at the time of writing.

Period	Milestone
March 2026 (done)	Migration to the Avalanche L1 TomatoChain mainnet and TGE
May 2026 (done)	CertiK security-audit report delivered
H2 2026	TomatoRaffle round 1; TTR point payments at TongTong Mall; Newstomato onboarded as a dApp with the monthly reward pool
2027	Active adoption of blockchain in PG payment settlement and related operations

8. Partners

Partner	Relationship	Scope
Ava Labs	MOU · infrastructure agreement	Build-out and operating infrastructure for the Avalanche L1-based TomatoChain mainnet

Partner	Relationship	Scope
Galaxia Metaverse	MOU · marketing agreement	Ecosystem marketing
Newstomato (Media Tomato)	Group affiliate	Newtorang community dApp; monthly reward pool
TomatoTV	Group affiliate	Production and broadcast of the Stocktong Pot live quiz show
Tomato Jeungkwontong	Group affiliate	Operation of Stocktong Pot inside the Jeungkwontong app (4M+ downloads)
TomatoPay	Group affiliate	TongTong Mall and TomatoRaffle; payment gateway; TongTong Coin planning and operations
TomatoAI	Group affiliate	Mainnet and dApp development and infrastructure; TOMA AI-agent platform

9. Compliance

9.1 Asset classification principles

In this white paper, the term "digital asset" refers solely to TongTong Coin (TTC). TTR and TTCO are not digital assets; they are points and coupons granted and managed under the Tomato Group service terms of use. TTR cannot be purchased with money and no reverse exchange is supported, and TTCO is a discount coupon that cannot be traded externally. These distinctions are reflected consistently in service design and terms of use so that the legal nature of each asset is never confused.

9.2 Anti-money-laundering capability

The Tomato Group operates a payment gateway (TomatoPay) subject to the Electronic Financial Transactions Act and has built practical expertise in anti-money-laundering (AML) and know-your-customer (KYC) frameworks through its work with Korean financial authorities. The organisation responsible for TongTong Coin includes holders of the TPAC anti-money-laundering professional certification, and the group fulfils in good faith the AML cooperation obligations that arise in exchange circulation.

9.3 Disclosure principles

- Total supply, circulating supply and the lockup release schedule are disclosed in this white paper and on the official website; any change is agreed with exchanges in advance and notified to users beforehand.

- Smart-contract addresses and security-audit results are kept publicly verifiable.
- Randomness and results of on-chain services such as TomatoRaffle are published so that anyone can verify them.

Appendix

A. Official information

Item	Detail
Official website	https://tomatochain.net
White paper	https://ttcoin.io/whitepaper
Official e-mail	tomatochain_official@etomato.com
Official X	@tomatochain
Newstomato	https://www.newstomato.com
Newtorang community	https://www.newstomato.com/Newtorang/BoardList.aspx
C-Chain TTC contract	0xd4b75398bF99d84fEBf79DB4D05D0951b51159c3
CertiK audit results	https://skynet.certik.com/projects/tongtongcoin

B. Glossary

Term	Meaning
Avalanche L1	An independent blockchain on the Avalanche network with its own consensus rules and economic model (formerly "subnet")
ICM	Interchain Messaging — Avalanche's protocol for secure messaging between chains
PoA	Proof of Authority — consensus in which pre-verified node operators produce and validate blocks
TGE	Token Generation Event — the point at which tokens are generated and begin circulating on a new network
SBT	Soulbound Token — a non-transferable NFT
TTR	TongTong Reward — reward points for service participation (not a digital asset)
TTCO	TongTong Coupon — discount coupons granted on subscription (not a digital asset)

C. Version history

Version	Date	Changes
4.0	April 2026	Avalanche L1 migration; asset classification (TTC/TTR/TTCO); four dApps described
5.0	September 2026	Mainnet migration and CertiK audit results; daily Stocktong Pot quiz, Newstomato reward pool, TTR payments at TongTong Mall and TomatoRaffle added; no-VC capital structure and affiliate TTC-sourcing principle formalised; roadmap, partners and compliance chapters added; figures added