

SEC Thailand Launches Framework for Tokenized Green Assets to Advance Carbon Trading Hub

Thailand's SEC Unveils Groundbreaking Framework for Tokenized Carbon Credits, RECs, and Carbon Allowances to Drive Green Economy and Establish Global Carbon Trading Hub



Bangkok, Thailand Sep 18, 2025 ([IssueWire.com](https://www.issuewire.com)) - In a landmark move to advance Thailand's environmental and economic goals, the Securities and Exchange Commission (SEC) has introduced a pioneering regulatory framework allowing digital asset exchanges, brokers, and traders to offer Tokenized Carbon Credits, Tokenized Renewable Energy Certificates (RECs), and Tokenized Carbon Allowances. Announced on September 1, 2025, and published in the Royal Gazette, this initiative marks Thailand's first foray into fully digital, tokenized green assets, reinforcing its commitment to carbon neutrality, net-zero greenhouse gas emissions, and establishing itself as a global hub for carbon credit trading.

Background and Strategic Importance

Thailand has set ambitious targets to achieve carbon neutrality by 2050 and net-zero emissions by 2065, aligning with global efforts to combat climate change. Carbon credits, RECs, and carbon allowances are critical tools in this journey, enabling businesses and organizations to offset emissions, invest in renewable energy, and comply with emissions regulations. By tokenizing these assets – converting them into digital tokens – the SEC aims to enhance transparency, accessibility, and efficiency in trading, making Thailand an attractive destination for green investments.

This initiative builds on Thailand's growing digital asset ecosystem, which has seen rapid development since the Digital Asset Business Act B.E. 2561 (2018). By integrating tokenized green assets into this framework, the SEC is fostering innovation while supporting sustainable development, positioning Thailand as a leader in the intersection of digital finance and environmental responsibility.

Regulatory Development and Public Support

The SEC Board approved the principles for this framework during its March 2025 meeting, following extensive consultations with industry stakeholders. A public hearing was conducted to gather feedback on the proposed regulations, with the majority of respondents endorsing the SEC's draft announcement. The finalized rules, detailed in the Draft Announcement of the Securities and Exchange Commission No. Kor Thor. 17/2568, were published on September 1, 2025, and took effect immediately.

The new regulations allow licensed digital asset operators to offer tokenized green assets as part of their "other businesses" activities, subject to SEC approval. These assets are classified as consumption-based utility tokens, meaning they are not considered financial products under the Digital Asset Business Act and are thus exempt from certain regulatory requirements. However, operators must meet stringent conditions to ensure market integrity and investor protection.

Key Requirements for Operators

To offer Tokenized Carbon Credits, RECs, and Carbon Allowances, digital asset exchanges, brokers, and traders must comply with the following SEC requirements:

- **Efficient Token Screening:** Operators must implement robust processes to evaluate the quality and legitimacy of digital tokens offered, ensuring compliance with environmental and regulatory standards.
- **Transparent Disclosure:** Comprehensive information about the tokens, including their origin, certification, and associated environmental benefits, must be provided to customers to facilitate informed decision-making.
- **Ongoing Compliance:** Operators must adhere to licensing conditions throughout their operations, maintaining high standards of governance and accountability.
- These measures aim to build trust in tokenized green assets, encouraging broader adoption while safeguarding market participants.

Understanding Tokenized Green Assets

- **Tokenized Carbon Credits:** These represent certified reductions in greenhouse gas emissions, validated and recorded in a registry system managed by recognized carbon credit certification bodies. They allow entities to offset their carbon footprint by supporting emission reduction projects.
- **Tokenized Renewable Energy Certificates (RECs):** These certificates verify the production of electricity from renewable sources, such as solar or wind. Tokenized RECs enable trading of

renewable energy attributes, supporting investment in clean energy.

- **Tokenized Carbon Allowances:** These are rights to emit a specific amount of greenhouse gases, allocated under regulatory frameworks to promote emissions reductions. Tokenization enhances their tradability and transparency.
- By digitizing these assets, the SEC enables faster, more secure, and cost-effective transactions, leveraging tokenize technology to ensure traceability and authenticity.

Impact and Vision

The introduction of tokenized green assets is expected to significantly expand trading channels for digital asset businesses, attracting both domestic and international investors. This aligns with Thailand's broader vision of fostering a green economy, where sustainable practices drive economic growth. By establishing itself as a hub for carbon credit trading, Thailand aims to capture a share of the growing global market for environmental assets, projected to reach billions of dollars in the coming years.

The SEC's initiative also supports Thailand's leadership in regional and global climate efforts, complementing international frameworks like the Paris Agreement. By integrating digital innovation with environmental goals, Thailand is setting a precedent for other nations to follow.

Industry Momentum Builds

In response to the new framework, early collaborations are emerging to operationalize tokenized green assets. For instance, **Blockedge**, an authorized token issuer under SEC guidelines, is partnering with **Tokenine**, a technology provider specializing in tokenize infrastructure, and **Trilumi Limited**, an international strategic partner focused on global carbon market linkages. Together, they are exploring compliant issuance and trading of Tokenized Carbon Credits to support Thailand's green economy transition, demonstrating how the regulations are enabling seamless integration of digital innovation with environmental goals.

Next Steps

Digital asset operators interested in offering tokenized green assets must apply for SEC approval under the "other businesses" category. The SEC will provide further guidance to ensure smooth implementation. Stakeholders can access the full regulatory details in the Draft Announcement No. Kor Thor. 17/2568 at <https://publish.sec.or.th/nrs/10831s.pdf>.

About the SEC Thailand

The Securities and Exchange Commission of Thailand regulates the securities and digital asset markets, promoting innovation, investor protection, and sustainable economic development. The SEC is committed to fostering a resilient and inclusive financial ecosystem that supports Thailand's long-term growth.

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