

MillPont Environmental Trust Infrastructure (METI)TM Originate

VERSION 1.0



MillPont

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About MillPont

Mission

At MillPont — derived from *Mill* (Latin for "a thousand") and *Pont* (French for "bridge"), collectively meaning "a thousand bridges" — we are dedicated to unlocking value through digital coordination of critical front- and back-office activities of environmental market participants. Leveraging common data exchange protocols paired with modern digital certification standards, the MillPont Environmental Trust Infrastructure (METI) interacts with stakeholders in a variety of ways:

- Assigning Spatiotemporal Claim Identifiers (SCIDs) certificates to eligible environmental claim issuances - enabling comparison of previously siloed data and supporting the interoperability of new data.
- Creating secure universal databases and populating with cryptographically-linked claim issuer and issuance information.
- Distributing, updating, and maintaining unified database services to market participants, institutions, and authorized verification partners.
- Promoting automation of underwriting and verification workflows via common data exchange protocols for processing, QA/QC, security, aggregation and reporting.
- Expanding and evolving as regulations develop, markets mature, and new types of environmental claims are progressed.
- Facilitating harmonization at home and abroad by pursuing new initiatives, partnerships, and alliances.

The common theme that links these activities is interoperability - or simply put, creating a common thread to enhance coordination and integration of both collective and competing climate efforts with more comprehensive, granular and timely data to support operations and multilateral accounting of claims tied to environmental benefits.

Vision

We envision a world where environmental markets are unified by a common language distributed via an ecosystem of foundational market services. By harmonizing the fragmented programs, projects and data across agriculture, forestry, energy, waste and natural system sectors, we will unlock transformative sustainability impact on a global scale.

We invite all stakeholders who share this vision to join us in building a collaborative ecosystem that fosters robust economic signals for environmental outcomes, enhances coordination, optimizes resources, mitigates systemic risks, and fortifies the integrity of environmental assets. Together, we can create enduring market conditions which catalyze, scale and reward the drivers of effective and credible climate action.



Values

The values outlined here articulate the principles needed to maximize the utility, benefit, and trust of METI, its services, and those derived from them. These include:

- **Steward-First:** We prioritize the economic and environmental well-being of land stewards by ensuring our systems and services support the creation and commercialization of clear, direct, and robust economic incentives for their contributions to environmental outcomes.
- **Data-based:** We ensure that our data services are consistent with FAIRER (Findable, Accessible, Interoperable, Reusable, Equitable, and Responsible) principles and aligned with broader efforts to advance, distribute, and expand accessibility to data services that promote social and ecological benefits - particularly in communities that have not traditionally had access.
- **Reliable:** Operating on a sustained basis requires putting in place affordable, secure, sustainable processes and mechanisms for providing consistent, trustworthy, timely, and robust data services over time.
- **Collaborative:** Our systems help establish and nurture close collaborations between public, private, Tribal, academic, NGOs, and international institutions in support of a shared vision that integrates and values environmental outcomes consistently and at scale.
- **Evolving:** By design, we work to ensure our systems are deployable across a variety of environmental accounting frameworks and initiatives to support implementation, experimentation, and commercialization of various governance frameworks for environmental accounting and conservation. Our approach will evolve to reflect advances in data, market practices, governance structures, regulations, and new partners.
- **Confidential Transparency:** We uphold the principle of confidential transparency, providing visibility and traceability into processes, data lineage, chain of custody, methodologies, while maintaining individuals' data sovereignty, anonymity, identifiable data, and competitive trade secrets. This balanced approach enables accountability via transparency without compromising legitimate confidentiality requirements.

Contact

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Introduction to METI™ Originate

METI Originate streamlines the creation, management, and distribution of environmental benefits. It provides unique Spatiotemporal Claim ID (SCIDs) embedded in digital certificates for sustainable projects and allows the creation of Environmental Attribute Certificates (EACs) that assign the benefits of one or more SCID-backed claims.

By consolidating decentralized data and fostering trust in environmental market mechanisms, METI Originate tackles core industry challenges. The centralized Database-as-a-Service (DBaaS) approach ensures data security by design and data reliability across connected platforms through an annual certification and review process. The platform's modern geospatial-centric data architecture and EAC distribution models are adaptable to various environmental services market programs. This data security, reliability and adaptability enhances efficiency and lays the groundwork for future automations and integrations.

METI Originate offers a two-pronged service. The **Spatiotemporal Claim ID (SCID) Certification** service generates unique identifiers embedded in digital certificates for projects like carbon sequestration on agricultural fields or other environmental assets such as biodiversity scores and water trading credits. These certificates ensure unique attribution and robust data security via:

- **Authentication** - verifying user identities, while preserving privacy between systems.
- **Encryption** - protecting data in transit and at rest.
- **Integrity** - ensuring data has not been tampered with. And,
- **Non-repudiation** - providing proof of origin and chain of custody.

Second, the **Environmental Attribute Certificate (EAC) Distribution** service allows for the seamless creation and distribution of EACs. This service assigns the benefits of one or more SCID-backed claims to an EAC, and offers a secure, traceable, and standardized means of transporting environmental assets across platforms and between parties. The EAC Distribution Service includes three distribution models, providing flexibility in managing allocation of benefits.

Powered by an advanced technology platform, METI Originate ensures quick review and assignment of SCIDs, and issuance and allocation of EACs.

Overall, METI Originate is a comprehensive solution used by a growing group of leading environmental market participants for standardizing, managing, and distributing environmental benefits. With METI Originate, stakeholders can confidently navigate the complexities of environmental asset management, ensuring that claims affiliated with their sustainability efforts are high-quality, unique, and aligned with the best interests of land stewards.

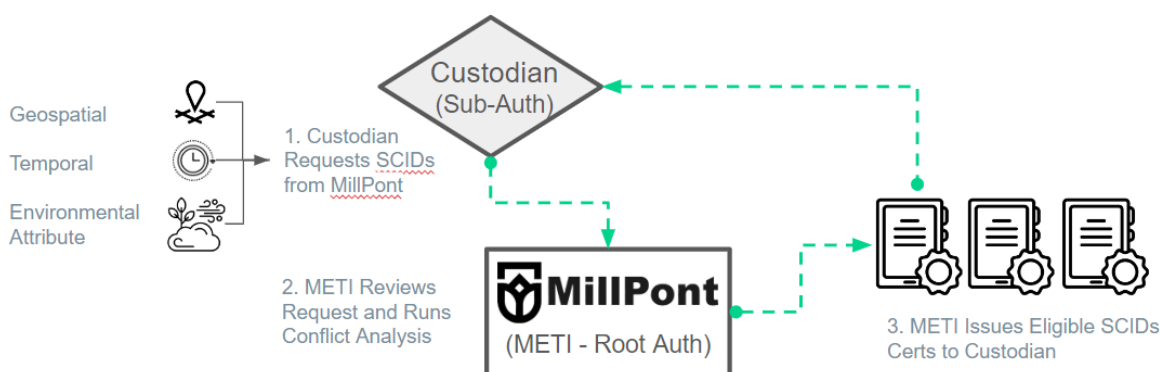
Spatiotemporal Claim ID (SCID) Certification

The Service

Designed to tackle some of the industry's most pressing challenges, the service supports the growth of environmental service markets globally by consolidating and organizing decentralized data for projects and their environmental assets at a vintage level (carbon credits, CI scores, Scope 3 claims, biodiversity scores, and water trading credits) providing unique spatiotemporal claims identifiers (SCIDs – belonging to both space and time) embedded in digital certificates based on a combination of geospatial, temporal, and environmental attribute data (type & quantity).

SCIDs are available for all eligible projects that are requested for certification via METI Originate's online user portal, including mapping to issuer/requestor (i.e. claims custodian) identifiers. The interoperability enabled by SCIDs ensures that essential front- and back-office functions run smoothly and reliably, enabling custodians and sub-custodians to easily communicate, manage, and examine the details of a transaction for accurate and efficient clearance and settlement.

MillPont's online application portal is used to submit requests for the assignment of SCIDs. The SCID request system uses METI's advanced technology platform to expedite the review and assignment process permitting the timely return and management of SCIDs. SCID's can be requested and issued individually or grouped in aggregate, with bulk requests and rapid issuance available via API.



As part of our responsibility to collect, accurately maintain, represent and certify information, MillPont administers an annual certification/review process in which existing METI Originate users must review, update and or correct any information that appears to be missing or incorrect. Once the issuer provides any revisions or updates, MillPont registers their SCID certificates as "Cleared" indicating the issuer has participated in the update process, has reviewed the information and has certified the data as correct.

The annual METI Originate membership fee covers the SCID certification service request, review, issuance, modification, maintenance and clearing process.

Features & Benefits

Unique Spatiotemporal Claim Identification (SCID) Certificate: 24-digit identifiers embedded in digital certificate uniquely identify specific environmental claims and their issuers to support efficient and reliable underwriting, verify, trading, settlement, and clearing.

SCID Issuance and Management: Simple online application request process; SCID certificates created and distributed in real-time.

Global Standardization: Creating a common language for underwriting, verifying, trading, tracing, and tracking environmental claims.

Extensibility and Flexibility: Adapts to various and evolving ecosystem services market programs, projects, initiatives and standards.

Data Accessibility: Detailed issuer and SCID data, regularly updated and easily accessible.

Efficiency in Critical Process: Crucial for error-free operations related to environmental asset underwriting, trading and settlement.

Increasingly utilized by leading Environmental Market Asset Managers, Carbon Mgmt Platforms, Data Custodians, Climate-Smart Projects, Scope 3 Programs, and Biofuel Certification Programs.

Data

General (*required*)

- 24-character SCID Identifier
- Geospatial coordinates
- Attribute Type(s)
- Quantity of Attribute(s)
- Unit of Attribute(s)
- Contract Start Date
- Contract End Date
- Issuer/Custodian ID
- Issuer/Custodian Name

For Carbon & Environmental Crediting

- Project Name
- Activities or Intervention Type
- Registry
- GHG Type(s)
- Removal Flag
- Reduction Flag
- Registry Link
- Sector
- Sector Group
- Project Type
- Sub Sector Classification
- Developer Name
- First Credit Issuance Date
- Country
- Rating
- Verification Status
- Third-Party Verification Flag
- Third-Party Verifier Name
- Vintage
- *Other Self-defined & Extensible*



For Scope 3, including VCI, GHGP, SBTi, and ISO

- GHG emission or removal activity type
- GHG emissions or removal activity quantity
- Affected GHG source, sink or reservoir
- Proof of Causality
- Certificate Holder Name
- Claimant Company Name
- Controlled GHG source, sink, or reservoir
- Emissions Factor
- Good (*raw material or commodity*)
- Impact Layer (*e.g., production, processing, packaging, etc.*)
- Impacted Good
- Intervention
- Intervention Activity
- Intervention Baseline
- Life Cycle Approach (*i.e., cradle-to-grave*)
- Life Cycle Assessment
- Market (*e.g., sourcing area, landscape, country, etc.*)
- Market Segment
- Operation (*impacted by activity*)
- Managing Entity (*if different than custodian*)
- Purchased Goods & Services
- Quantification Approach (*top-down or bottoms-up*)
- Scope 3 Boundary
- Supply Shed Name
- Verification Body
- Verification Status
- Validation Body
- Validation Status

For SAF & Affiliated CI-Scores

- Certificate ID Number (*required*)
- Certificate URL
- Commodity Type
- Quantity of Bushels
- Invoice or Delivery Ticket Number
- Total Number of Certificates Issued for Invoice or Delivery Ticket Number
- No-Till confirmation
- Cover-Crop confirmation
- Enhance Efficiency Fertilizer
- Farmer Ownership & Control Flag
- Unrelated Certification Party Name
- USDA TSP Name
- CARB Verifier Name
- CARB Executive Order Number
- Quantity of SAF gallons
- CI Score
- SAF Producer Registration Number
- GREET Model Version
- CSA ID Number
- Reseller Name

Delivery

- Available via METI Originate Online Portal & via API
- Excel Add-in (*coming soon*)



SCID Certification Subscription - Custodian

The Annual SCID Certification Fee Schedule is based on the quantity of an organization's annual acres, and or, environmental assets (whichever is greater) under management, and is structured as follows:

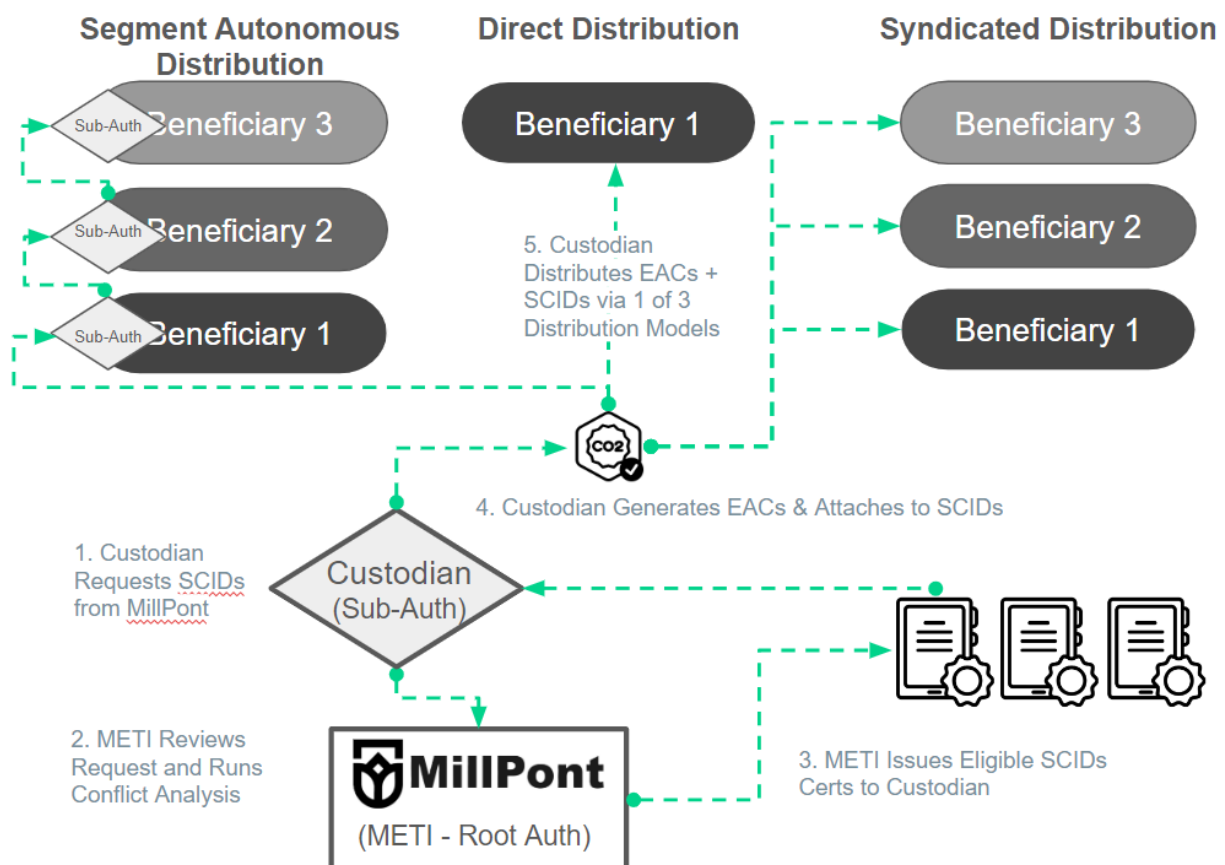
Plan	Annual Subscription	Includes
Enterprise (> 1 million)	\$10,000	Unlimited SCID Certificate Requests/Issuances
Premium (500,000 – 999,999)	\$7,500	SCID Certificate Request/Issuances up to 999,999
Standard (100,000 – 499,000)	\$2,000	SCID Certificate Requests/Issuances up to 499,000
Basic (< 100,000)	FREE	SCID Certificate Requests/Issuances up to 99,999



Environmental Attribute Certificate (EAC) Distribution

The Service

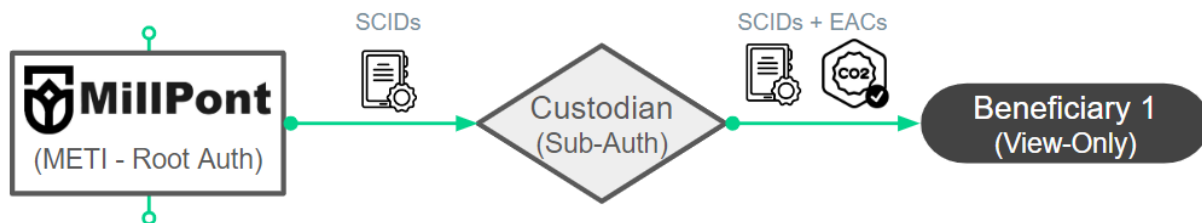
The EAC Distribution Service provides three currently supported distribution models for settling transactions - and or exchanging data - affiliated with the quantified environmental benefits connected to SCID certificates. To administer these services, custodians request SCIDs via METI Originate's online portal and, once issued, generate and distribute Environmental Attribute Certificates (EACs). An EAC represents the quantified (verified or unverified, registered or unregistered) environmental benefits generated by sustainable practices and interventions. Akin to intermodal shipping containers, EACs provide secure, traceable, and standardized means of transporting environmental assets across platforms and between parties. These EACs can be distributed using one of three models: *Direct Distribution*, *Segment Autonomous Distribution*, or *Syndicated Distribution*.





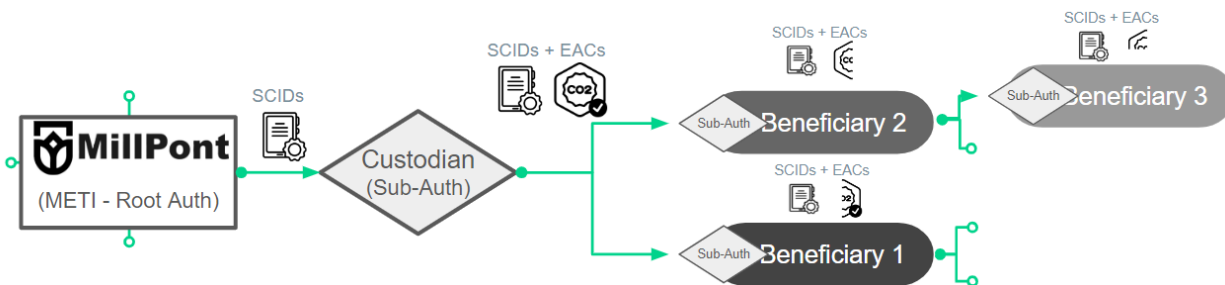
Direct Distribution

In the Direct Distribution, the Custodian directly transfers the EACs to a single beneficiary, generally in the equivalent quantities agreed to in an affiliated transaction. Akin to a title transfer, this approach ensures a swift and straightforward transaction, providing immediate access to the EACs, affiliated SCID certificates, and minimizes complications associated with additional layers of distribution.



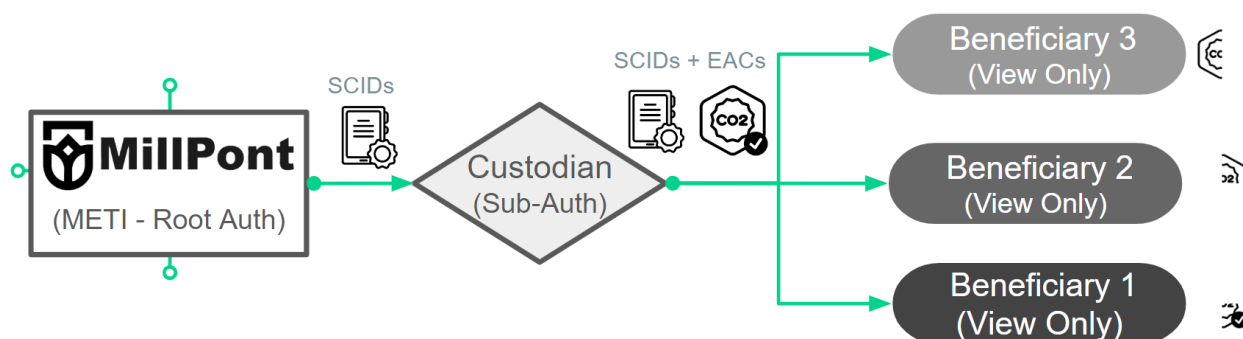
Segmented Autonomous Distribution (Self-Service)

In Segmented Autonomous Distribution, the Custodian distributes SCIDs to Sub-Custodians (Beneficiaries) in a segmented manner. Each Sub-Custodian, acting with a sub-certificated authority from the primary Custodian, has the autonomy to transfer or trade the EACs at their discretion. This structure ensures secure and controlled chain of custody while granting each Sub-Custodian flexibility and discretion in managing their received benefits.



Syndicated Distribution (Managed by Syndicate Lead)

In the Syndicated Distribution model, a lead custodian, known as the Syndicate Lead, manages and administers the distribution of EACs to beneficiaries in accordance with a predetermined facility or contract between the syndicate members. This model centralizes the distribution process under a single authority, streamlining administration and ensuring coordinated delivery of EACs.



Features & Benefits

SCIDs are assigned to EACs and their underlying facilities, and conversely all underlying facilities and EACs are mapped to SCIDs – providing traceable and continuous chain of custody of environmental benefits across custodian platforms and systems.

A common system of reference for transaction facilitation and settlement used by a growing group of leading market participants - supporting a more orderly exchange of information in an automated, standardized, and secure environment.

Reduces frictional barriers, lowers systemic risk, and empowers stakeholders with greater control and clarity over their environmental benefit claims.

Direct Distribution: Immediate delivery of and access to BCs with minimal delays and complications.

Segment Autonomous Distribution: Secure multi-party distribution with flexibility for Sub-Custodians to manage EACs independently.

Syndicated Distribution: Streamlined administration and coordinated delivery of EACs.

Data

- | | |
|--|---|
| • EAC Identifier (EAC ID) | • Verification Status |
| • SCID(s) Certificate IDs | • Verification Body/Certifier Name |
| • Issuance Date | • Certification Standard |
| • Custodian Name | • Affiliated Contract, Invoice, or Delivery Ticket ID |
| • Custodian Identifier | • Vintage |
| • Environmental Attribute Type(s) | • Beneficiary Name(s) |
| • Quantity of Environmental Attributes | • Beneficiary Identifier(s) |
| • Unit(s) of Measurement | • <i>Other Self-Defined & Extensible</i> |
| • Project or Program Name | |
| • Project Type | |

Delivery

- Available via METI Originate Online Portal & via API
- Excel Add-in (*coming soon*)

EAC Distribution Fee Schedule – Custodian

The Annual EAC Distribution Subscription for the Custodian is calculated per Plan, based on the greater of the Custodian's annual acres or environmental assets associated with the EACs that have been or are expected to be transferred by them to one or more Beneficiaries. The fee structure is as follows:

Plan	Annual Fee	Issuance Fee	Transfer Fee*	Includes
Enterprise (> 1 million)	\$5,000	No	\$0.10 per EAC	Monthly EAC Issuance/Transfer Report
Premium (500,000 – 999,999)	\$3,250	No	\$0.20 per EAC	Monthly EAC Issuance/Transfer Report
Standard (100,000 – 499,000)	\$1,000	No	\$0.35 per EAC	Monthly EAC Issuance/Transfer Report
Basic (< 100,000)	FREE	No	\$0.50 per EAC	Monthly EAC Issuance/Transfer Report

**Transfer fee discounts available based on volumes*

Example of a Pricing Breakdown:

Premium Plan User with 15% Discount:

- **Monthly Subscription:** \$270.83 (pro-rated annual fee)
- **Transactions:** 30,000 EAC Transfers (equivalent to 30,000 metric tons CO₂e)
- **Distribution Fees:** 30,000 x \$0.20 = \$6,000
- **Volume Discount:** 15% of \$6,000 = \$900
- **Net Transaction Fees:** \$6,000 - \$900 = \$5,100
- **EAC Issuance Fee:** Included in the annual fee
- **Total Monthly Cost:** \$270.83 (Subscription) + \$5,100 (Transactions) = \$5,370.83

Summary:

- **Monthly Subscription:** \$270.83
- **Net Transaction Fees:** \$5,100
- **Total Monthly Cost:** \$5,370.83

EAC Distribution Fee Schedule – Beneficiary

Annual EAC Distribution Fees for the Beneficiary are calculated per Plan, based on the greater of the Beneficiary's annual acres or environmental assets associated with the EACs that have been or are expected to be transferred to them by one or more Custodians. The fee structure is as follows:

Plan	Annual Fee	Transfer Fee* (Inbound)	Retirement Fee	Includes
Enterprise (> 1 million)	\$5,000	\$0.10 per EAC	\$0.05 per EAC	Monthly EAC Issuance/Transfer Report
Standard (< 1 million)	\$3,250	\$0.15 per EAC	\$0.05 per EAC	Monthly EAC Issuance/Transfer Report

**Transfer and retirement fee discounts available based on volumes*

Frequently Asked Questions (FAQ)

1. What is METI™ Originate?

METI™ Originate is a product provided by MillPont that streamlines the creation, management, and distribution of environmental benefits. It uses unique Spatiotemporal Claim IDs (SCIDs), Environmental Attribute Certificates (EACs) and [Public Key Infrastructure](#) (PKI) to consolidate decentralized data and foster trust in environmental market mechanisms.

2. What are Spatiotemporal Claim IDs (SCIDs)?

SCIDs are unique 24-character identifiers embedded in digital certificates for sustainable projects. SCIDs and their affiliated meta-data are securely stored via cryptographic hash functions, which creates unique but comparable cryptographic fingerprints of claims for easy machine reading and comparison. This supports efficient and reliable underwriting, verification, trading, settlement, and clearing by combining geospatial, temporal, and environmental attribute data.

3. What are Environmental Attribute Certificates (EACs)?

EACs are certificates representing the quantified environmental benefits generated by sustainable practices and interventions. They are the “child” of Custodian, and can only be issued based on one or more SCID certificates. They provide a secure, traceable, and standardized means of transporting environmental assets across platforms and between parties.

4. How does METI Originate ensure data security?

METI Originate ensures data security by design through the deployment of PKI – a technology that represents the backbone of trust and security for the entire modern digital world. Our robust data security measures include authentication (verifying user identities), encryption (protecting data in transit and at rest), integrity (ensuring data has not been tampered with), and non-repudiation (providing proof of origin and chain of custody) for all data coming in and out of the system.

5. What are the benefits of using SCIDs and EACs?

SCIDs and EACs enhance data accessibility and ensure efficient, reliable operations related to environmental asset management. They support global standardization and adapt to various and evolving ecosystem services market programs, projects, and standards. Together, SCIDs and EACs serve as the certificate of record for the specific type of project work being measured, detailing the quantity of the impact, project specifics, evidence sources, and co-benefits. They also support singular or multiple VBB verification and automation workflows, which can be incorporated through verification process agreements.



6. What is the SCID Certification process?

The SCID Certification process involves submitting a request via METI Originate's online portal. The request is reviewed and, if approved, a SCID is assigned, and certificate issued. An annual certification/review process ensures data accuracy and updates SCIDs as needed.

7. What are the different models for EAC distribution?

EAC distribution can occur through three models:

- a. Direct Distribution: Immediate transfer of EACs to a single beneficiary.
- b. Segmented Autonomous Distribution: Custodian distributes SCIDs to sub-custodians who manage their received benefits independently.
- c. Syndicated Distribution: A lead custodian manages the distribution of EACs to beneficiaries according to a predetermined facility or contract.

8. What data is required for SCID and EAC certification?

General required data includes the 24-character SCID Identifier, geospatial coordinates, attribute type(s), quantity and unit of attribute(s), contract start and end dates, issuer/custodian ID and name, among others specific to the type of certification.

9. Who is a Custodian?

A custodian is an organization responsible for the ownership and/or administrative authority of one or more Spatiotemporal Claim IDs (SCIDs) and Environmental Attribute Certificates (EACs). The custodian ensures the proper management, issuance, and distribution of these identifiers and certificates. In environmental markets, a custodian is typically a project developer, project proponent, program administrator, and or carbon management platform that has the legal rights to administer this data.

10. Who is a Beneficiary?

A beneficiary is the recipient of environmental benefits represented by Environmental Attribute Certificates (EACs). Beneficiaries can include individuals, organizations, or entities that receive the quantified environmental benefits generated by sustainable practices and interventions, as documented and verified through the METI Originate system.

11. What are the benefits of being an early adopter of METI Originate?

Joining METI Originate offers a range of competitive advantages that position your organization at the forefront of environmental stewardship and innovation. These benefits include:

- a. **Competitive Advantage:** Join a growing group of leading environmental market participants who are committed to setting and demonstrating a higher standard of integrity for environmental claims that are accurate, verifiable, and tamper-proof.
- b. **Reduce Risk:** Remove custodial ambiguity of claims, mitigate double-counting, and eliminate cross-market data gaps.
- c. **Increase Efficiency:** Boost transaction speed, streamline critical processes, and future-proof your operations as the platform evolves to ensure compatibility with leading market and regulatory frameworks such as the U.S.'s Integrated GHG MRV and Information System Framework, GHGP – LSRG, SBTi – FLAG, VCI, and ISO.

12. If I am already using blockchain, do I need to use METI Originate?

While blockchain tokenization is a powerful tool, it alone does not prevent double-counting. Only tokens with corresponding, cryptographically-linked MRV (Monitoring, Reporting, and Verification) audit trails can ensure the integrity of your environmental claims. METI Originate offers a cryptographic bridge between the wide variety of on- and off-chain solutions, enhancing your blockchain implementation by providing a unified point of reference/data check point across other protocols, platforms, and systems.

13. How can I contact MillPont for more information?

You can contact MillPont at info@millpont.com or visit their website at millpont.com for more information.