Global Interoperability Testing and ACE 2.0

Leading the world in the international exchange of data through modernized business processes. Securing our abilities to identify high risk imports, increase supply chain transparency, verify compliance, and ensure appropriate revenue collection.

2023 — First test of global verifiable credentials

Steel

Pipeline Oil

Testing Goals:
Supply chain visibility
Trace source through consumer
Origin compliance
Product ID and classification
Affirm free trade status
Real time tracking of in bond
Validation of USMCA claims
Reduce errors and fraud

ACE 2.0 Impacts:
Establish baseline standards
• Pre Arrival data collection
• Entity Identification
Integrate data
• Digital credentials
• Non traditional actors
• Near real time

2024 — Verify Credentials Transmit Data with PGAs

Natural Gas

Food Safety

E commerce

Testing Goals:
Green Trade
Traceability & tracking
Origin verification
Compliance with CBP and PGA
Expedite inspections
Digital shipping credentials
Reduce errors and fraud
Prevent illicit/counterfeit goods

ACE 2.0 Impacts:
Digital Twin Technology
Verify credentials
Establish architecture
• Single Window Exchange
Third Party Attestations
Gleif/GS 1
Pre Arrival Data

2025 — International Testing Limited Production
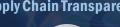
G2G

CTPAT

IMPORT
EXPORT

Global G2G Data Exchange Network:
Government to government
Mutual Recognition Arrangement
Platform integration
Worldwide communications hub

Global AEO/CTPAT Credentials:
Issue and exchange credentials

My Export is Your Import:
Confirm exports are imported
Verify drawback claims

Limited Production:
NCAP Tests of Steel and Pipeline

ACE 2.0 Impacts:
G2G communications hub
Exchange data G2G
Real time verification
Reduce duplicative data
Enhanced trade facilitation
Cryptographically verifiable global supply chain

Supply Chain Transparency →

Materials Sourced

Product Manufactured

Foreign Government Review

Goods Depart Point of Origin

Goods Arrive At U.S. Port

Entry Decision Rendered

Payment Finalized