



## VERIFIABLE CREDENTIALS, GBI, AND SUPPLY CHAIN MAPPING



# NEW COUNTRY-SPECIFIC RATES ON TARIFFS

Here are the tariff rates we currently expect to be in place on August 1 for any country that doesn't reach an acceptable trade agreement with the Trump Administration:



COUNTRY	RATE
Algeria	30%
Angola	32%
Bangladesh	35%
Bosnia & Herzegovina	30%
Botswana	38%
Brazil	50%
Brunei	25%
Cambodia	36%
Cameroon	12%
Canada	35%
Chad	13%
China	34%
Côte d` Ivoire	21%
Democratic Republic of the Congo	11%
Equatorial Guinea	13%
European Union	30%
Falkland Islands	42%
Fiji	32%
Guyana	38%

COUNTRY	RATE
India	27%
Indonesia	19%
Iraq	30%
Israel	17%
Japan	15%
Jordan	20%
Kazakhstan	25%
Laos	40%
Lesotho	50%
Libya	30%
Liechtenstein	37%
Madagascar	47%
Malawi	18%
Malaysia	25%
Mauritius	40%
Mexico	30%
Moldova	25%
Mozambique	16%
Myanmar	40%
Namibia	21%

COUNTRY	RATE
Nauru	30%
Nicaragua	19%
Nigeria	14%
North Macedonia	33%
Norway	16%
Pakistan	30%
Philippines	19%
Serbia	35%
South Africa	30%
South Korea	25%
Sri Lanka	30%
Switzerland	32%
Syria	41%
Taiwan	32%
Thailand	36%
Tunisia	25%
Vanuatu	23%
Venezuela	15%
Vietnam	20%
Zambia	17%
Zimbabwe	18%

Countries listed in red have received letters from President Trump. Countries not listed are expected to remain subject to the existing 10% across-the-board tariff.



# JAPAN-U.S. TRADE DEAL, ANNOUNCED ON JULY 22, 2025



## Key Highlights:

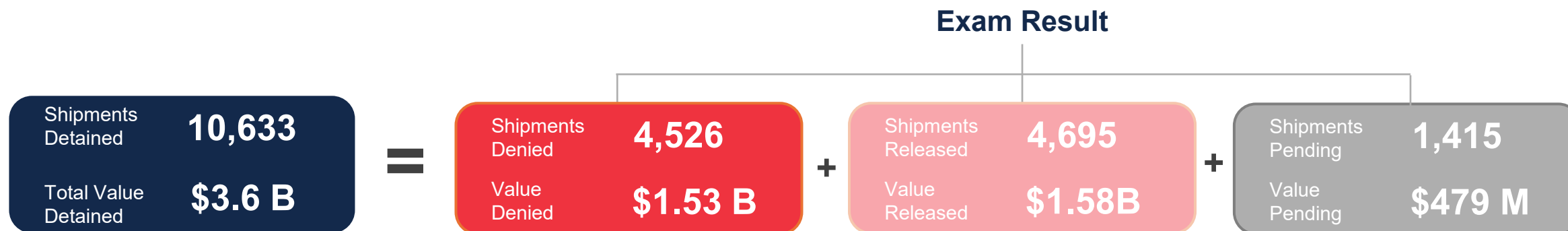
- **15% Tariffs:** The U.S. will impose a 15% tariff on Japanese imports, including autos, rice, and other agricultural products. This is lower than the previously threatened 25%.
- **\$550 Billion Investment:** Japan has agreed to invest \$550 billion into the U.S. economy. President Trump stated the U.S. would receive 90% of the profits from this investment.
- **Market Access:** Japan will open its markets more broadly to U.S. exports, including cars, trucks, and agricultural goods.
- **Auto Industry Concerns:** U.S. automakers, especially the Detroit 3, have raised concerns that Japan is receiving more favorable tariff terms than American companies exporting to Japan.

## Economic Impact:

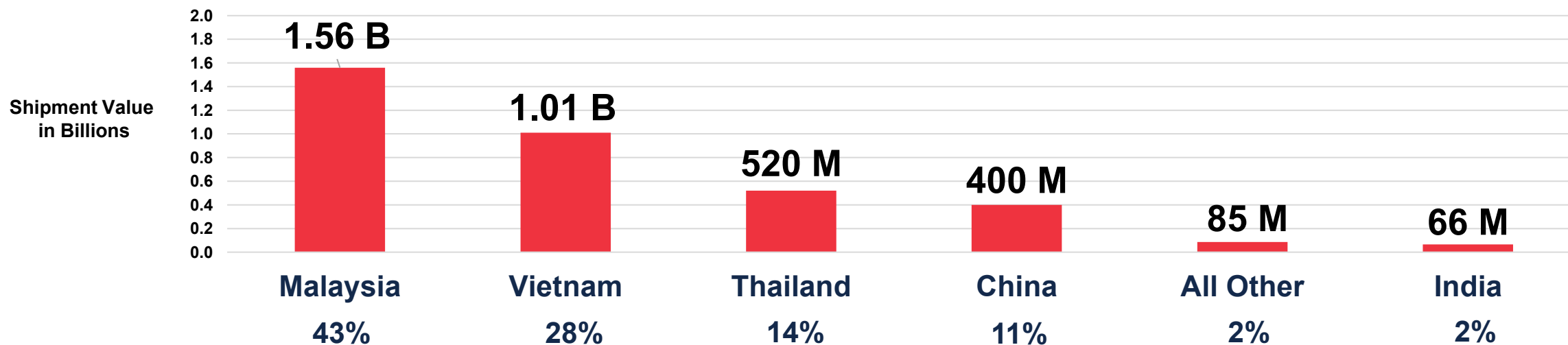
- **Stock Market Reaction:** U.S. stocks surged following the announcement, with investors optimistic about further trade deals by August 1.
- **Trade Negotiator Response:** Japan's top trade negotiator, Ryosei Akazawa, posted "#Mission Accomplished" on social media, signaling satisfaction with the deal.



# ~~UYGHUR~~ FORCED LABOR PREVENTION – NOW A GLOBAL TOPIC...



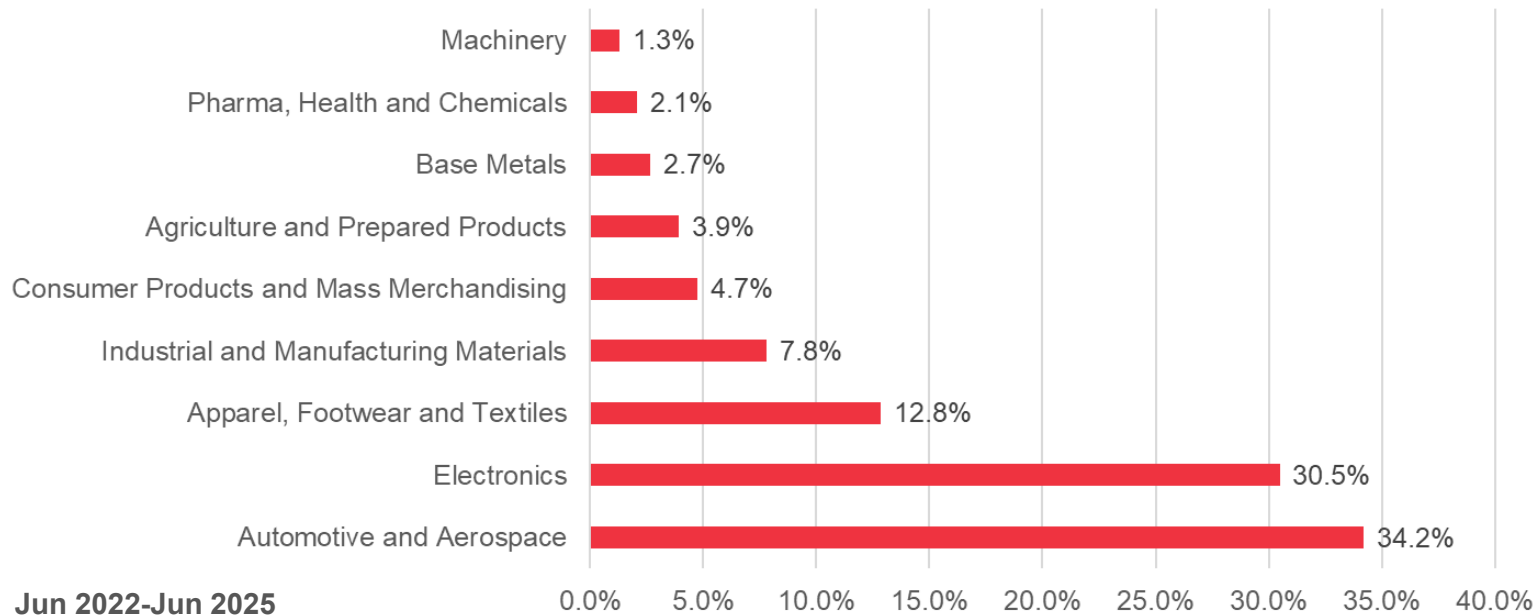
## Shipment Value (USD) by Country of Origin



## ...ACROSS EVERY INDUSTRY



Industry Categories of Inspected Shipments



**Shipments  
Pending  
13%**

**Shipments  
Released  
44%**

**Shipments  
Denied  
43%**

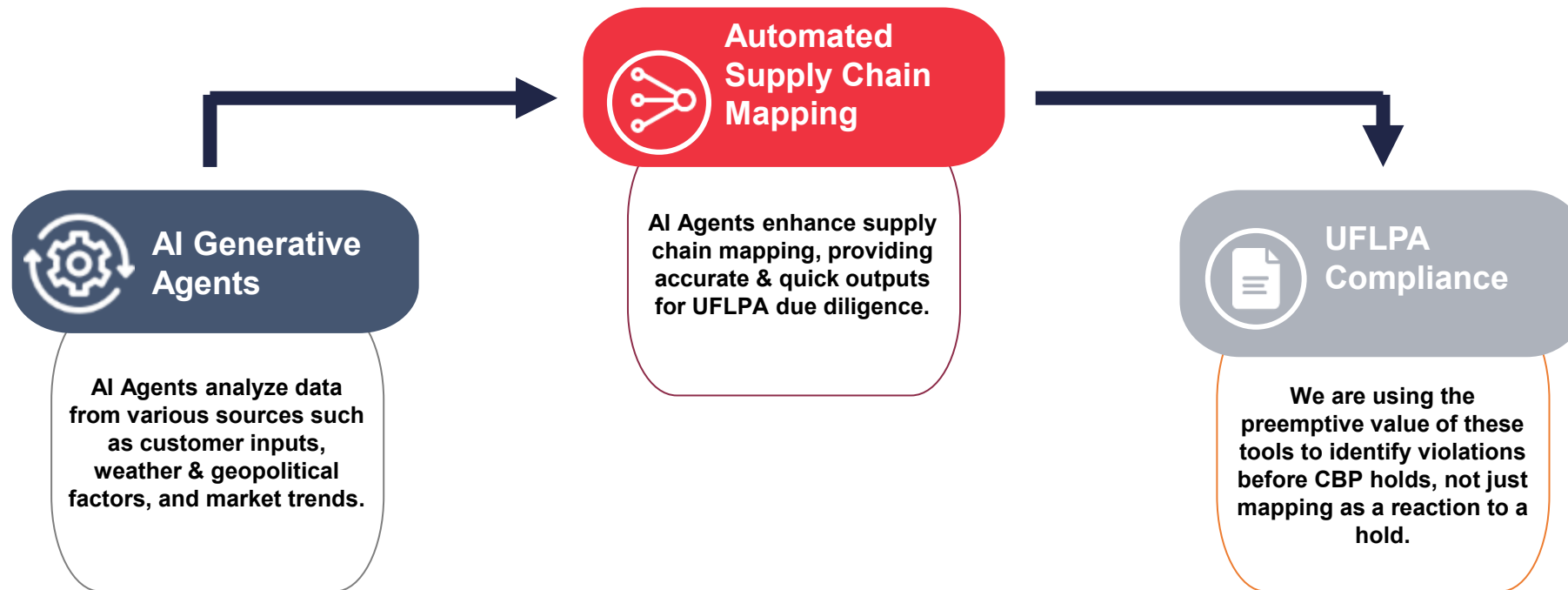
# THE ROLE OF AI GENERATIVE AGENTS IN UFLPA COMPLIANCE



CBP requires a detailed mapping of the supply chain, down to all Tiers, not just Tier 1

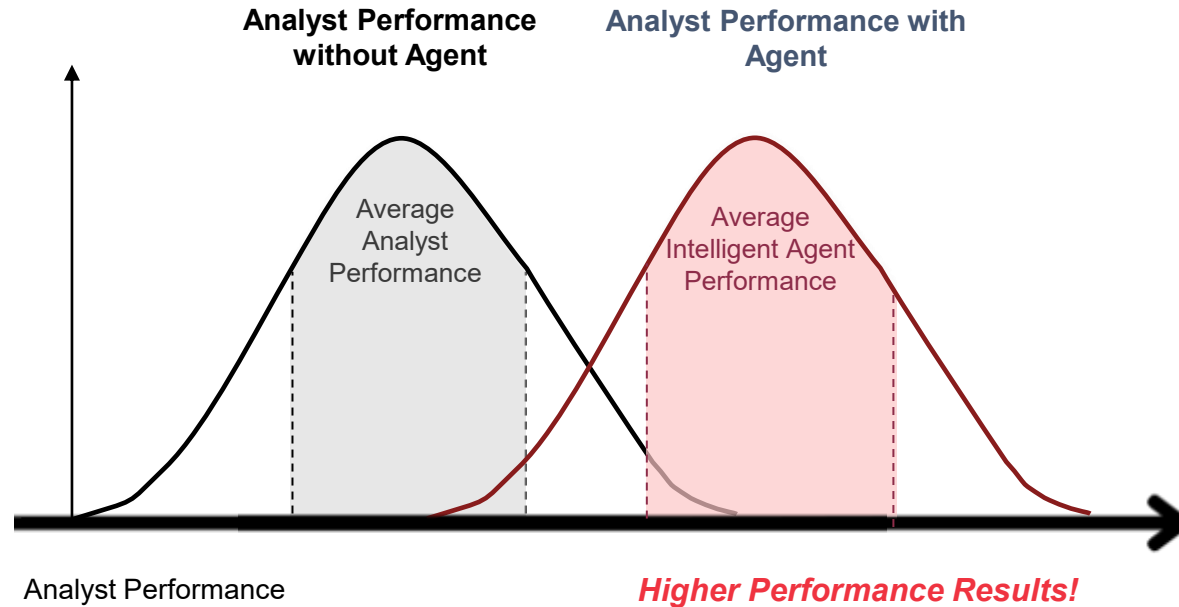
- Must include all relevant parties involved
- In many cases down to bill of materials

Even after all that investment, the results of these manual processes may be questionable in their use of rebutting the presumption.



**AI generative agents are helping companies proactively identify and respond to potential disruptions.**

# INTELLIGENT AGENT PERFORMANCE



**Intelligent Agent Average Performance is Above Average Analyst Performance**

*Our agent automates the researcher/ analyst process, enabling quicker decision making on more accurate data.*



**Always On**

Agent operates constantly.



**Autonomous**

Self Evaluates & Adjusts.



**Scalable Across:**

Data types, Languages, etc.

# WHAT ARE VERIFIABLE CREDENTIALS?

Verified credentials are digital representations of information that have been authenticated and confirmed by a trusted authority. They are used to verify the identity, qualifications, or other attributes of an individual or entity. Here are some key points:

## Authentication:

Verified credentials are issued by trusted organizations, ensuring the information is accurate and reliable.

## Digital Format:

These credentials are often stored and shared digitally, making them easily accessible and secure.

## Benefits

They provide a secure and efficient way to verify information, reducing fraud and enhancing trust in various transactions.





# HOW DO VERIFIABLE CREDENTIALS BENEFIT U.S. IMPORTERS?



US importers use verified credentials in several ways to ensure compliance, streamline processes, and enhance security in their operations:



## **Regulatory Compliance:**

Supports CBP compliance by verifying import/export licenses, certificates of origin, and other required docs.



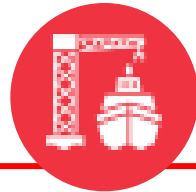
## **Identity Verification:**

Confirms importer identity with brokers and authorities using authenticated documents like business licenses and IRS numbers.



## **Building Trust:**

Shows commitment to compliance and transparency with customs brokers, regulatory authorities, and all stakeholders.



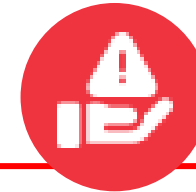
## **Faster Clearance**

Efficient customs clearance processes. This reduces delays and ensures that shipments are processed smoothly



## **Verification of Value and Country of Origin**

Strengthens documentation related to these two core areas of CBP enforcement.



## **Risk Management:**

Reduces fraud by ensuring all parties and goods meet regulatory standards.

# WHAT IS THE GLOBAL BUSINESS IDENTIFIER (GBI)?



The Global Business Identifier (GBI) is a program developed by CBP to create a more effective and accurate system for identifying businesses involved in international trade. This initiative addresses the limitations of the existing Manufacturer/Shipper Identification Number (MID), which has been criticized for its lack of uniqueness and data quality. It uses three main types of identifiers:

- **Global Location Number (GLN):**  
Provided by GS1, it identifies locations and supply chain parties.
- **Data Universal Numbering System (DUNS):**  
Provided by Dun & Bradstreet, it identifies business entities globally.
- **Legal Entity Identifier (LEI):**  
Provided by the Global Legal Entity Identifier Foundation (GLEIF), it identifies legal entities involved in financial transactions



**CBP will consider whether and how these three identifiers, alone or together, are capable of addressing CBP's supply chain visibility and traceability goals. Moreover, CBP will examine whether the identifiers submitted can be verified, reducing uncertainties that may be associated with the information related to shipments of imported merchandise.**

# VALUE AND BENEFITS OF USING GBI



## **Enhanced Supply Chain Visibility:**

GBI improves the U.S. government's ability to track and trace imports, providing better visibility into the supply chain.



## **Improved Compliance:**

It helps businesses comply with regulatory requirements by ensuring that all entities in the supply chain are accurately identified and verified.



## **Risk Management:**

By using unique identifiers, the GBI helps in authenticating and verifying supply chain actors, reducing the risk of fraud and ensuring the integrity of the supply chain.



## **Streamlined Customs Procedures:**

The use of GBIs can lead to more efficient customs processing, reducing delays and improving the overall efficiency of trade operations.



## **Support for Trade Transformation:**

The GBI supports the transition to a more modern, digital trade environment, facilitating better data management and integration across various platforms and agencies.

# CBP TRADE ENFORCEMENT ACTIVITY OVERVIEW



**CBP enforcement activities on origin, value, and related areas impacted by the reciprocal tariff's application, with a sharp rise in revenue recovered through Entry Summary Review.**

Trade Enforcement Activities	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025 <sup>1</sup>
Number of Audits Completed	466	442	430	435	417	233
Total Collected as a result of Importer Audits	\$44.6 million	\$132.2 million	\$77.7 million	\$114.5 million	\$117.67 million	\$152.62 million
Net Revenue Recovered due to Entry Summary Reviews (ESF)	\$371 million	\$473.6 million	\$267.3 million	\$256.3 million	\$667.55 million	\$22.68 billion
Total Trade Penalties Issued	2,035	2,394	2,121	2,592	2,204	1,248
Total Trade Liquidated Damages	18,932	19,834	18,667	19,832	22,399	21,120
Total Collected from Trade Penalties and Liquidated Damages	\$26.2 million	\$21.7 million	\$19.3 million	\$33.3 million	\$26.29 million	\$16.26 million
<b>Seizures</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
Total Number of Trade Seizures <sup>2</sup>	73,708	83,402	46,111	44,558	48,444	29,153
Total Number of IPR Seizures	26,490	27,115	20,813	19,522	20,516	13,131
Total MSRP Value of IPR Seizures	\$1.3 billion	\$3.3 billion	\$2.98 billion	\$2.4 billion	\$5.5 billion	\$3.26 billion
Total Number of Import Safety Seizures	8,208	9,145	4,484	6,183	6,888	4,958
Total Value of Import Safety Seizures	\$12.68 million	\$105.5 million	\$62.4 million	\$44 million	\$60.6 million	\$43.79 million

# RELIABLE DATA DRIVES BETTER SUPPLY CHAIN DECISIONS



Today, enterprises try and tackle the data around supply chain visibility with more people and with federated data...

In the end, they miss information and wind up with more regulatory challenges or make costly errors by making decisions based on someone else's supply chain data.

Our Tradeverifyd® risk score is the gold standard for enterprises to measure risk and resilience in their supply chains and enables action at every level of the organization.

We do this in a secure, privacy-preserving method trusted by governments around the world.



# WHERE DOES SUPPLY CHAIN DATA COME FROM



There are two pools of data required to look at a supply chain:

1. OSINT data covers everything from the geospatial signals to individual trade movements and news / research
2. 1<sup>st</sup> Party data is the data that is unique to a business involved in trade - their BOMs, what they are ordering, how much, where it is going, and what it means to their business

Without the ability to selectively disclose only relevant information, parties in the supply chain will not share information



# SYSTEM-TO-SYSTEM INTEGRATION



## **“Effortless”**

Nothing additional required when Alba is the broker.

+

When Alba is not the broker, integration is made with API or CSV

## **“Hands-Free”**

Data transferred automatically from Alba to Tradeverifyd

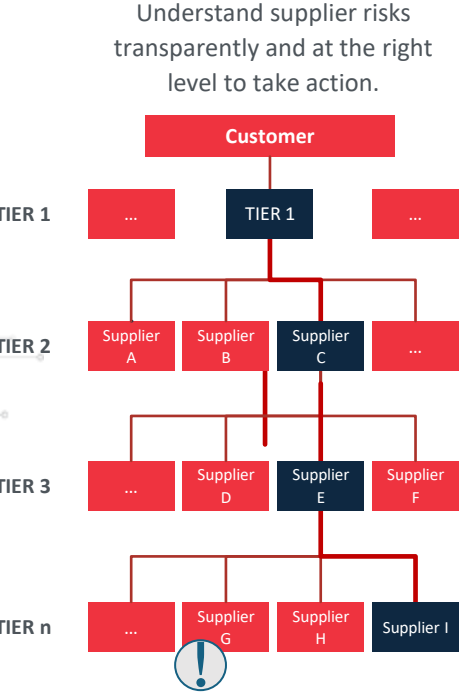
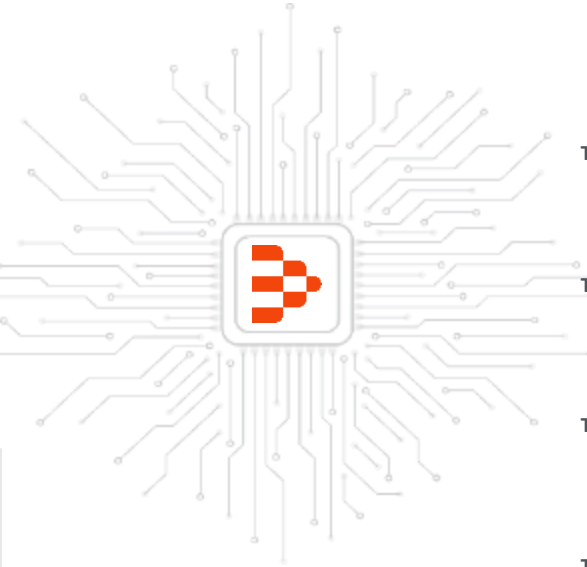
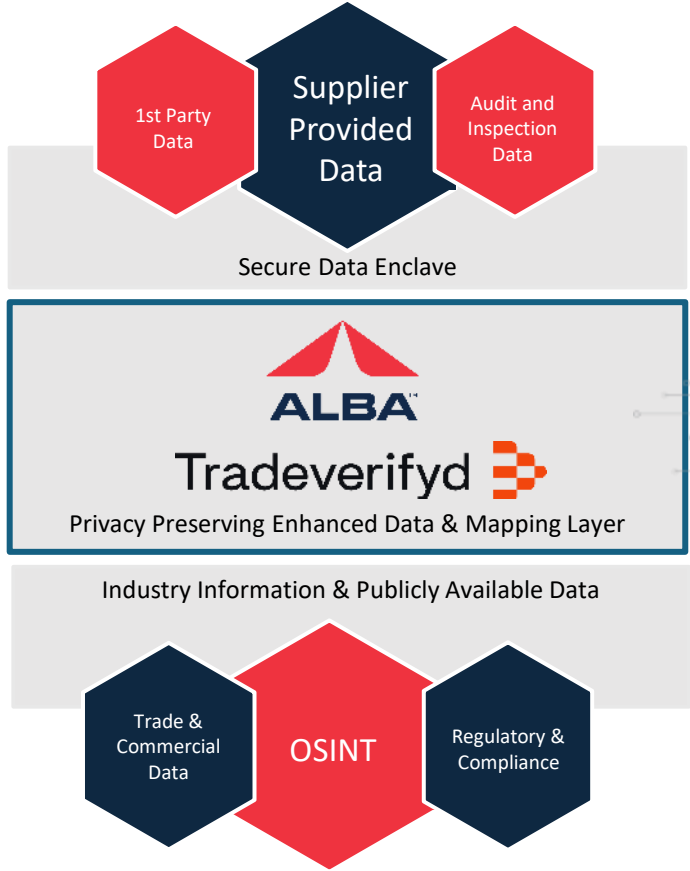
Alba + Tradeverifyd deliver results

## **“World Class Trade Compliance”**

“AI-driven” Supply Chain Risk Management

e.g. Forced Labor Screening

# TRANSPARENCY IS POSSIBLE



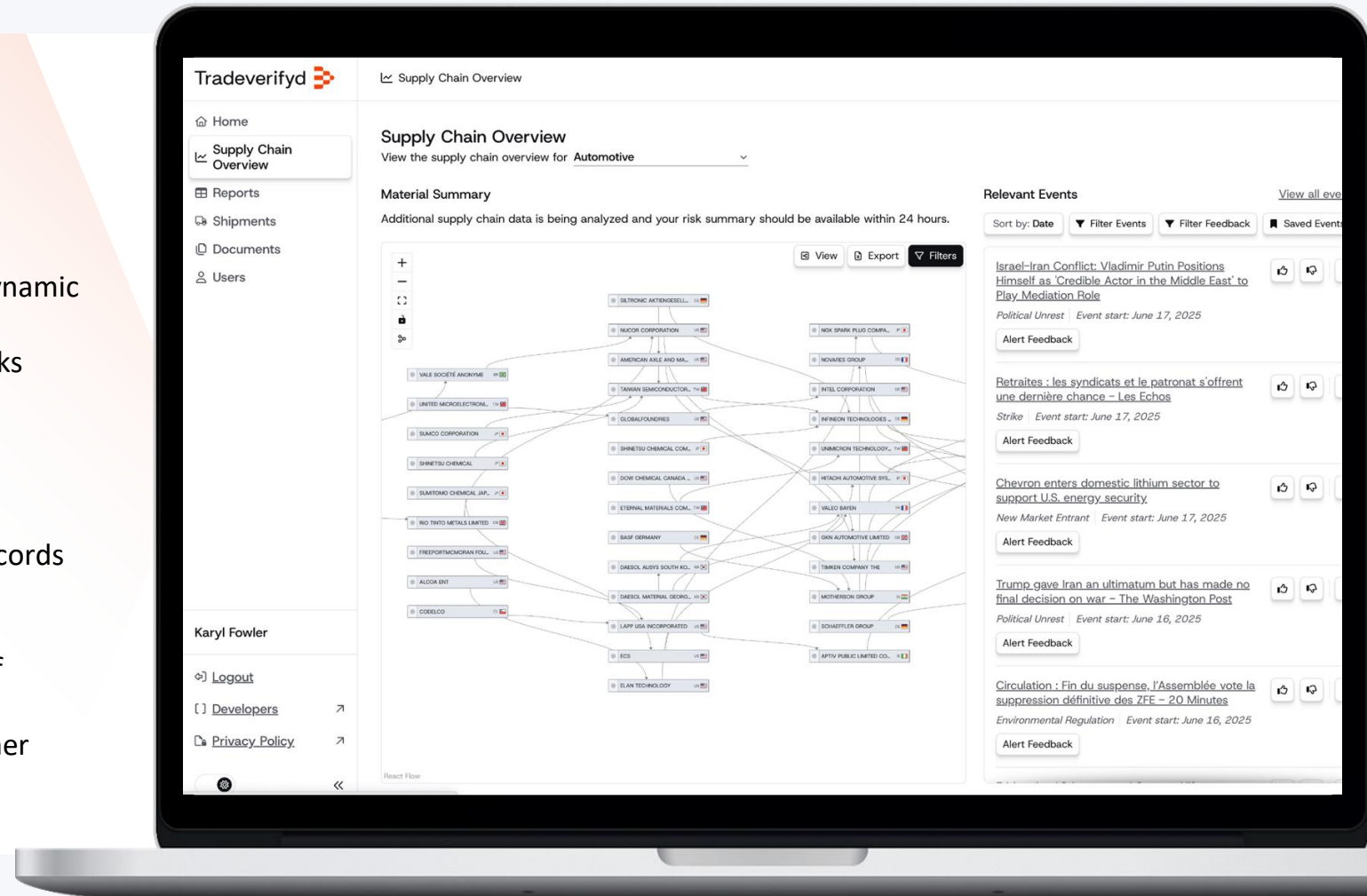
# Tradeverifyd re-harmonizes enforcement and facilitation

## Near-real time monitoring & predictive intelligence enables both trade & regulators:

- Automate compliance, adjusting dynamically to emerging regulation
- Precisely enforce tariffs, including dynamic shifts in rates
- Identify and address supply chain risks before they escalate

## AI-powered N-Tier mapping combines:

- Product origins and HTS detail
- Beneficial ownership & corporate records
- Sanctions & screening lists
- PGA-related data (e.g. USDA, etc.)
- Shipping & transport data, change of control
- Geospatial satellite imagery & weather data
- Current events data



# Tradeverifyd® Reports: Trade data that's organized for *action*

## Supplier Assessment(s)

- Verify suppliers' trade compliance status
- Gain confidence about suppliers' delivery reputation

## Compliance Report(s)

- Rapidly respond to immediate problems like detentions
- Proactively plan, adapt to evolving regulations like UFLPA

## FTAs & Tariffs

- Rules of Origin evidence packaged for preferential claims under Free Trade Agreements (FTAs) like USMCA and CAFTA

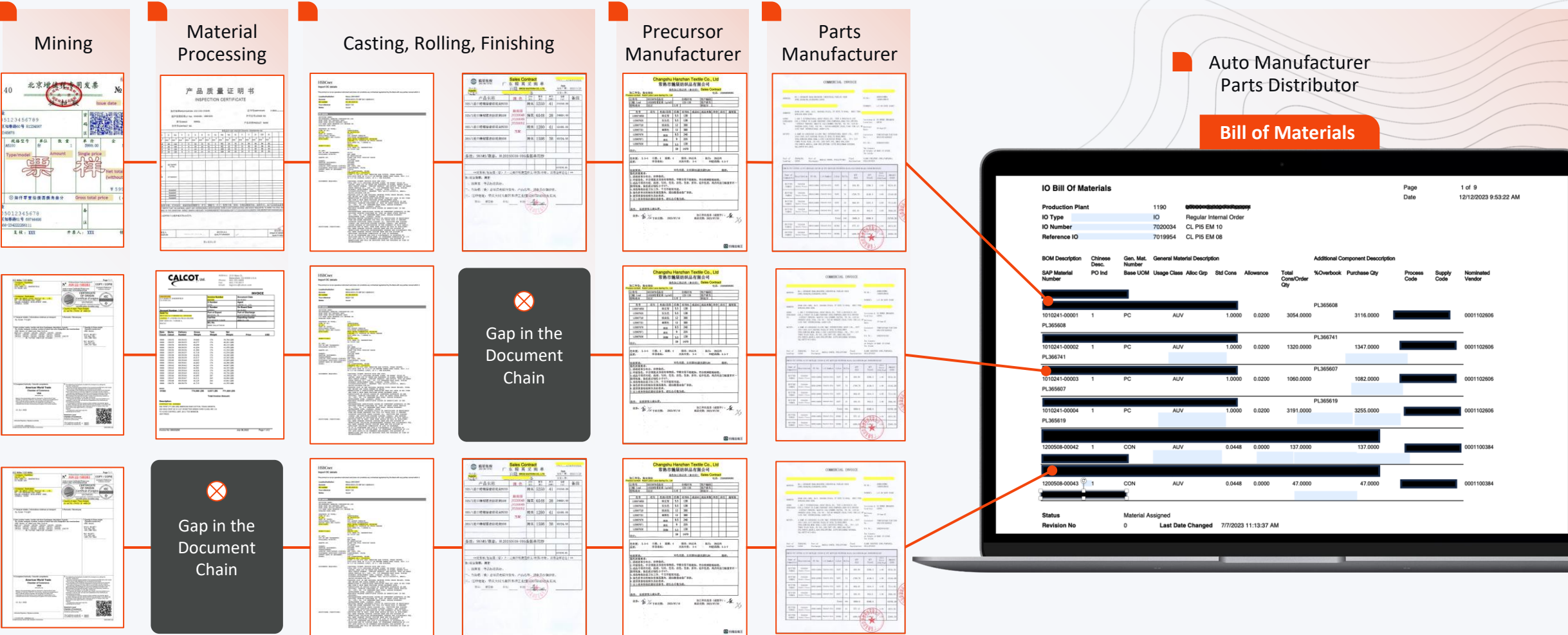
## Custom

- Choose your own adventure
- Tailored reports tailored to your business' needs and priorities, including executive reporting



# Supply chain transparency is possible

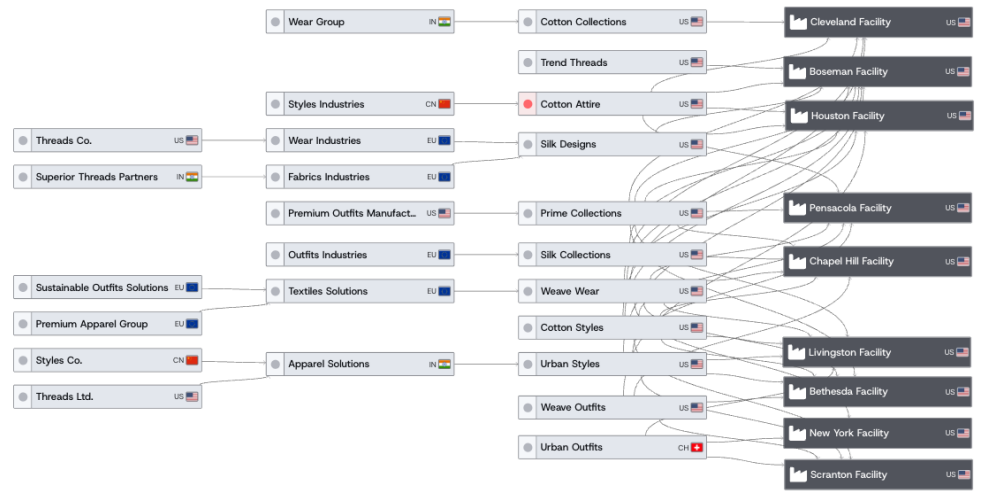
Step 1: document management and data reconciliation using interoperability standards & verifiable credentials



# Monitor risk and resilience at every step


## Step 2: data enrichment and analysis

### Continuous monitoring of actual suppliers



Forced Labor Risk  
<https://www.shforcedlabour.org/drivingf...>  
<https://selectcommitteeontheccp.house.go...>  
<https://www.shu.ac.uk/helena-kennedy-cen...>

The gold standard for assessing supply chain partners



Compliance check # : EST61920018

SHIPMENT DOCUMENTS SUBMITTED

Date

June 29, 2023

Importer of Record

Importer

Bill of Lading (BOL)

06141411234567890

Trade compliance check: Completed on June 30, 2023

TRADEVERIFYD Score : 650

Forced Labor (UFLPA)

Supplier parent company appears to be HANSAE CO. Ltd. out of SK; Multiple business interests beyond textiles being handled under corporate registrations. Some prior allegations and issues, particularly with supplies via business partnerships.

XYZ (pty) LTD.

HANSAE Co. Ltd

ABC Corporation

Your shipment with BOL 06141411234567890 has been screened. The screening is based on best available data at the time of screening.

TRADEVERIFYD performed checks against government databases, media reports, NGO resources and academic analysis, and more than 2.4m business records were checked along with over 28 pieces of content from the web.

The TRADEVERIFYD score produced by Earthstream is out of 1000, with a score of 1000 indicating a completely force labor free shipment. A score of 0 represents a 100% probability of some use of forced labor.

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# Supply chain health and risk indicators

*Tradeverifyd Score factors to date*

## Regulatory

### Geopolitical & Regulatory Risk Indicators

- Trade policy changes, tariff & quota shifts, embargoes
- Sanctions exposure and compliance violations
- Geographical indicators of forced labor or illicit trade
- Enhanced compliance & quality certifications (e.g. CTPAT, USMCA, etc.)

## Behavioral

### Behavioral & Anomalous Trade Patterns

- Erratic volume shifts outside expected seasonality
- Suspicious transshipment patterns indicating fraud or dumping
- Sudden sourcing shifts to jurisdictions with weaker trade enforcement

## Reputation

### Trust & Reputation Signals

- Timeliness & consistency of order quality & fulfillment
- Historical reliability of suppliers and manufacturers
- Deviation from expected partner behavior (e.g., unusual contract renegotiations)

## Resiliency

### Resiliency & Environmental Adaptability

- Exposure to climate-related disruptions (storms, droughts, fires) or adverse events that impact physical operations (covid)
- Carbon and sustainability metrics in supplier selection
- Redundancy & diversification in sourcing strategies

## Financial

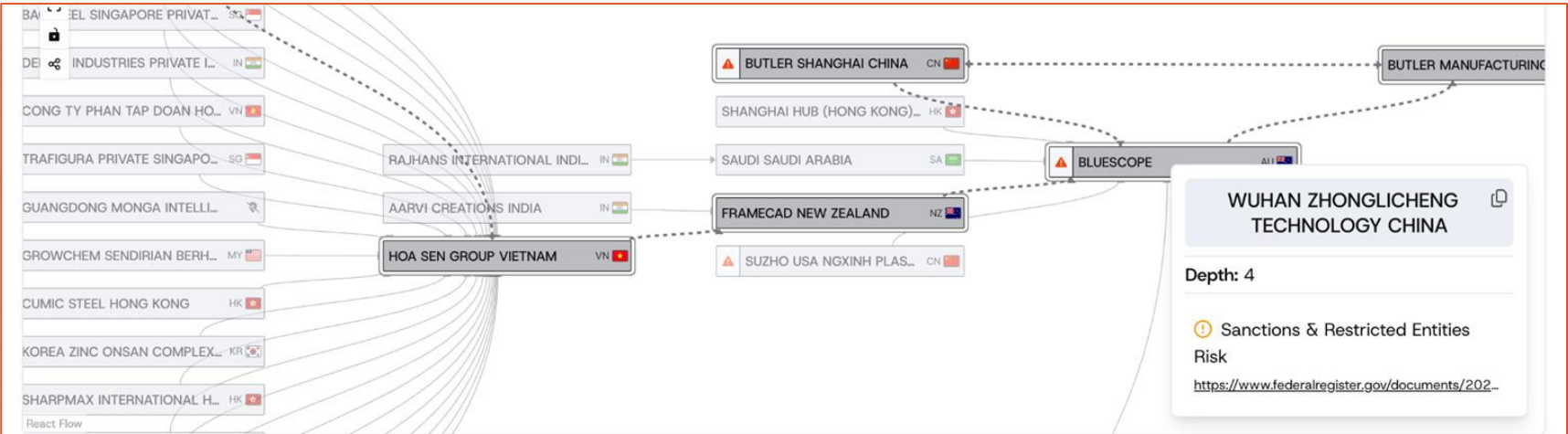
### Operational & Financial Indicators

- Lead time stability vs. volatility
- Supplier financial health & insolvency risk
- Just-in-time (JIT) vs. buffer stock strategies
- Beneficial ownership changes

**Key:** *1st party data provided by the client* - *3rd party data sources and outside forces* - *a combination of both*

# Eliminating Forced Labor: Indicators of Risk

Automated Due Diligence with Vendor Risk & Compliance Assessments



Report – Tradeverifyd® Advanced Supplier Assessment

BUTLER MANUFACTURING

Share

Download Report

Suppliers

BUTLER MANUFACTURING

Date

6/26/2025

TRADEVERIFYD™ Score

389

High Risk

Average Risk

Excellent

0 – 399

400 – 699

700 – 1000

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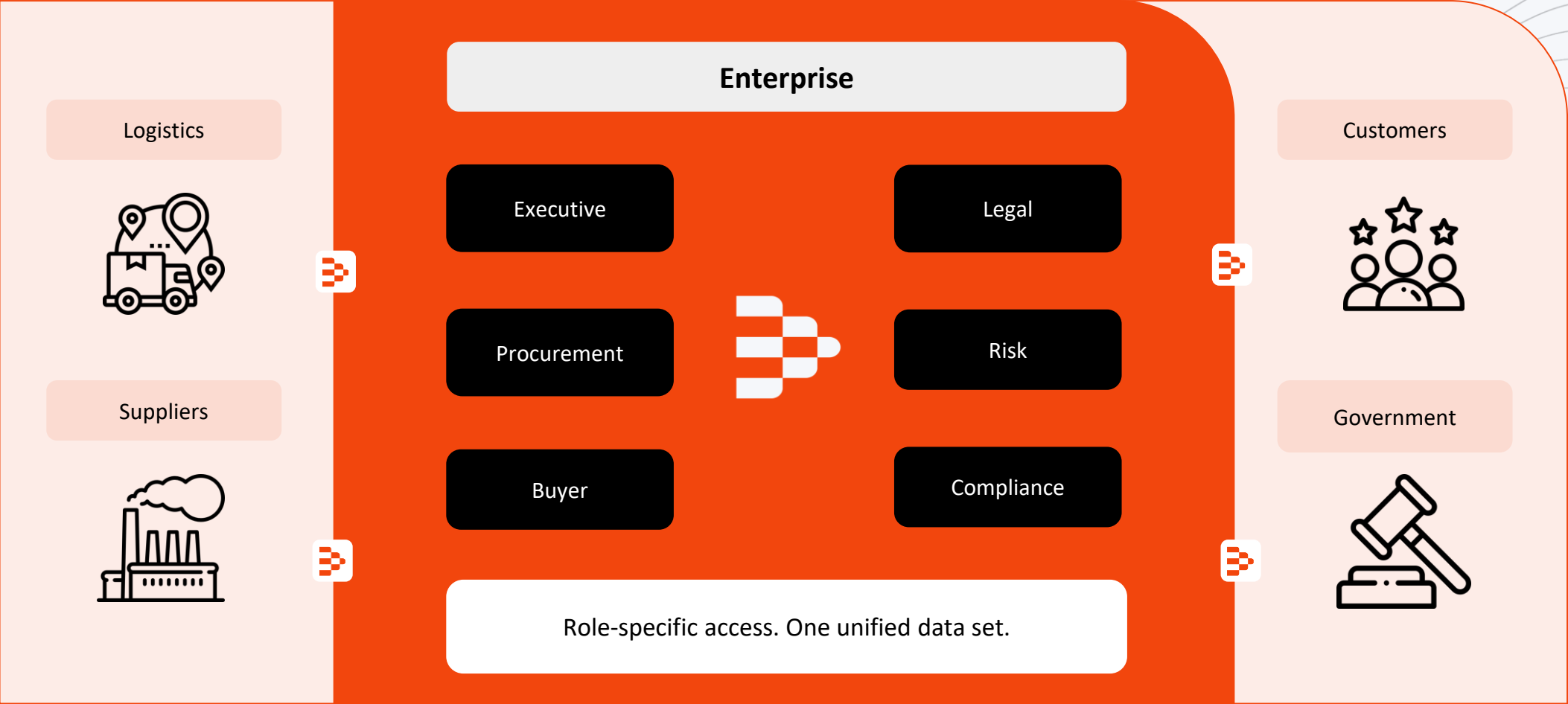
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# Connected Across the Enterprise...and Beyond









 Direct API connectivity, standards based privacy, digital signatures, and business identification provide Verifiable Traceability across all parties



# Accelerating the post-paper world with verifiable credentials

## DHS SVIP + US CBP: *Trade Modernization timeline*

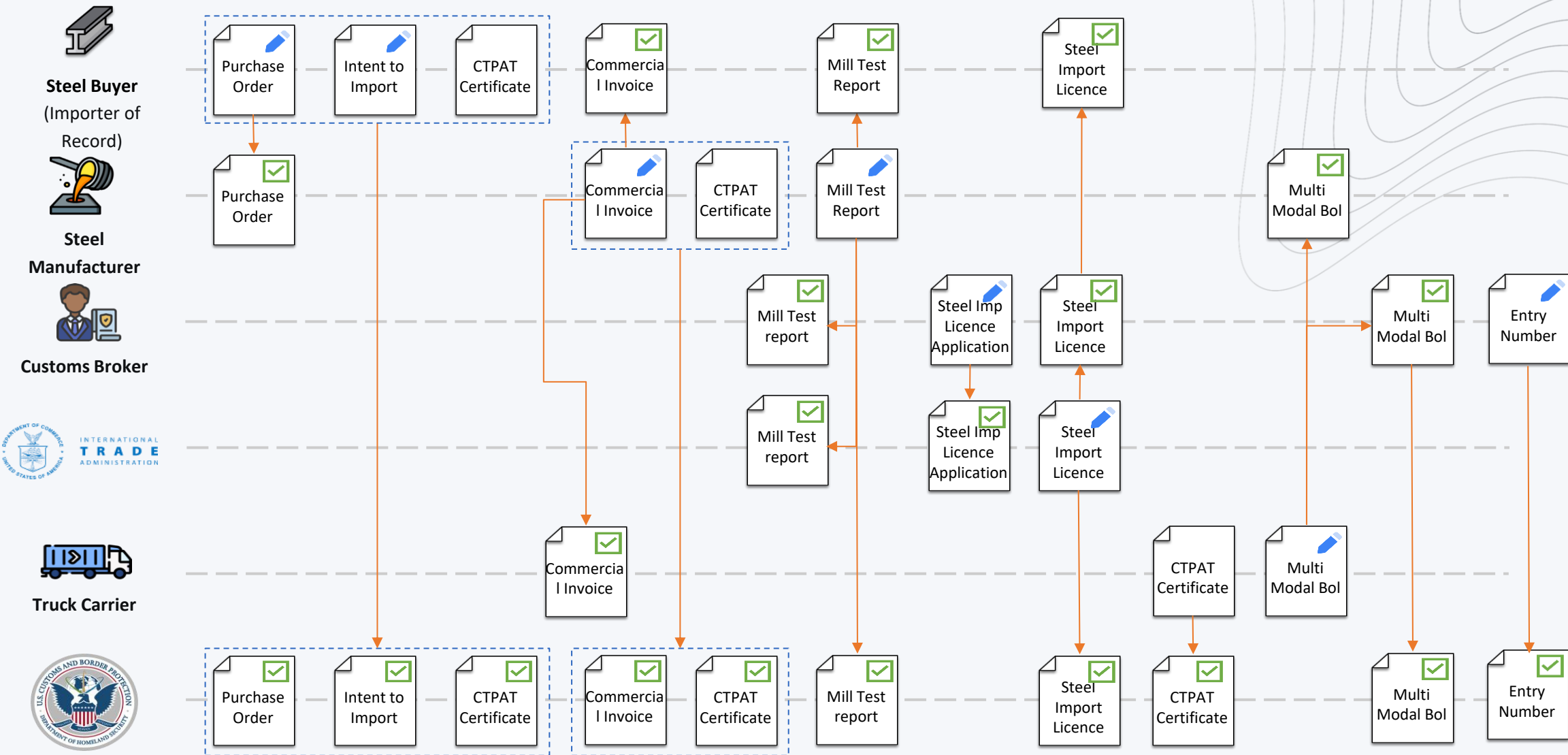


											
2019-2021		2022		2023		2024		2025		2026+	
<b>Steel &amp; Pipeline Tracing Development</b>		<b>eCommerce + Agriculture Development</b>		<b>Steel &amp; Pipeline Tech Demos</b>		<b>Agriculture &amp; eCommerce Tech Demos</b>		<b>Steel &amp; Pipeline Oil NCAP Go Live</b>		<b>Production Use Across All Imports</b>	
CBP pivots from blockchain to <b>verifiable data using open interoperability standards</b> - first for industrials.		Tradeverifyd is <b>awarded 2 more contracts</b> to refine the interoperability standards tech for Agriculture and eCommerce.		Tradeverifyd successfully <b>clears DHS Red Teams</b> + powers synthetic data tests in steel sector.		Tradeverifyd powers synthetic data testing, confirming <b>interoperability standards are mature for launch.</b>		Tradeverifyd supports US CBP's limited production launch for steel imports.		Tradeverifyd supports launch for agriculture and eCommerce imports.	

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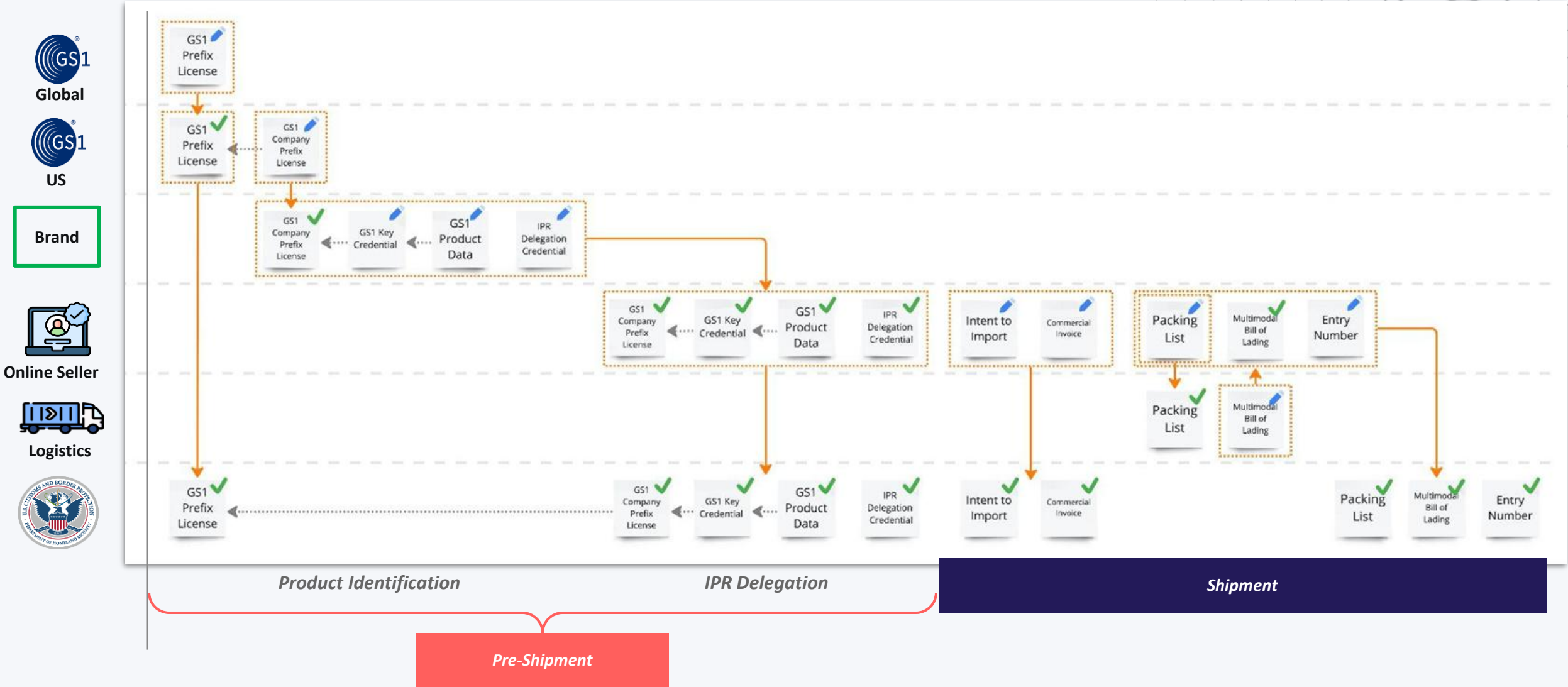
# Verifiable Traceability: Steel Example Scenario

Push verifiable data to regulators earlier in the importation process for progressive, pre-arrival clearance and ironclad confidence about rules of origin



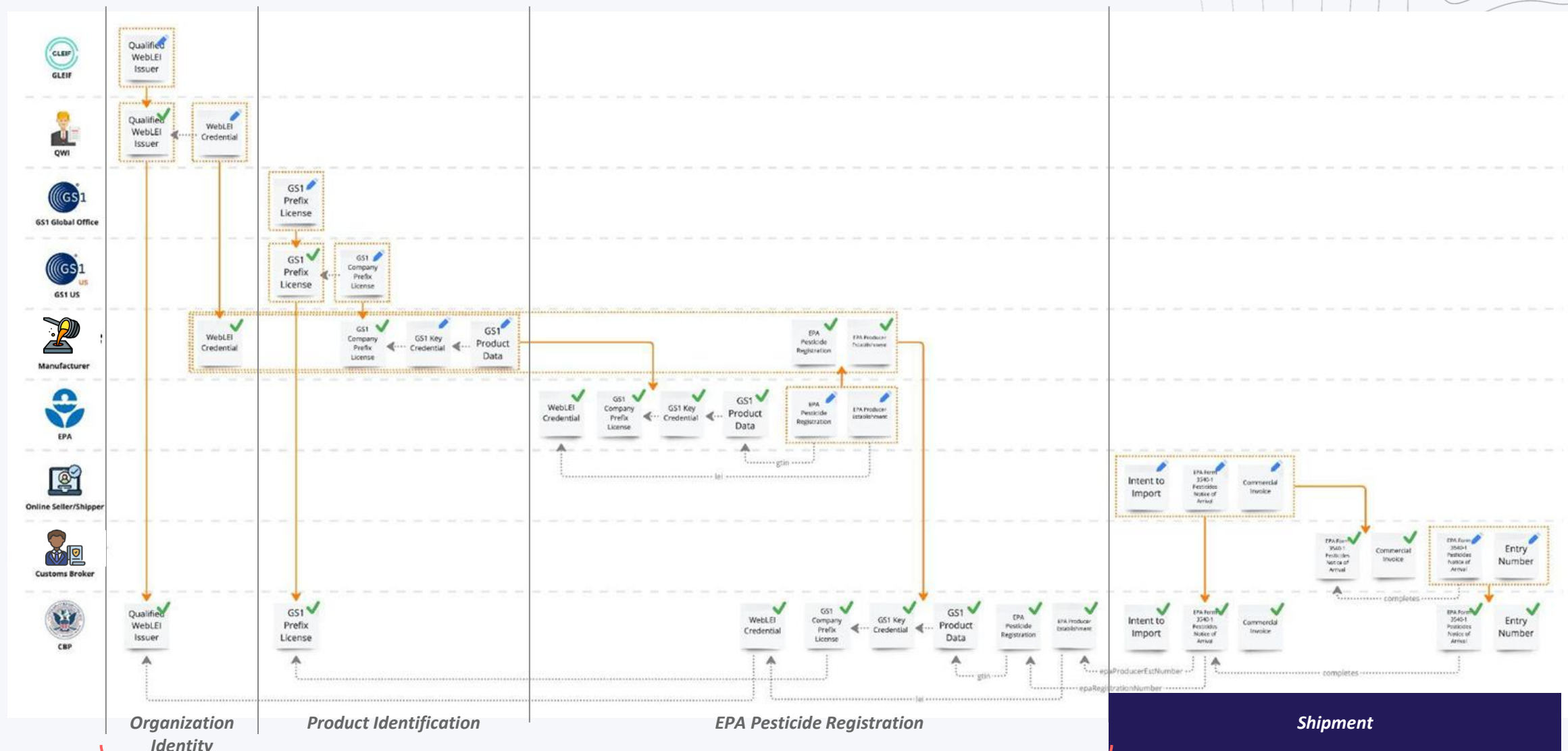
# Verifiable Traceability: E-Commerce Apparel Example Scenario

Use verifiable GBI credentials to enhance Intellectual Property Rights like licensing, asserting upstream registrations with downstream import filings



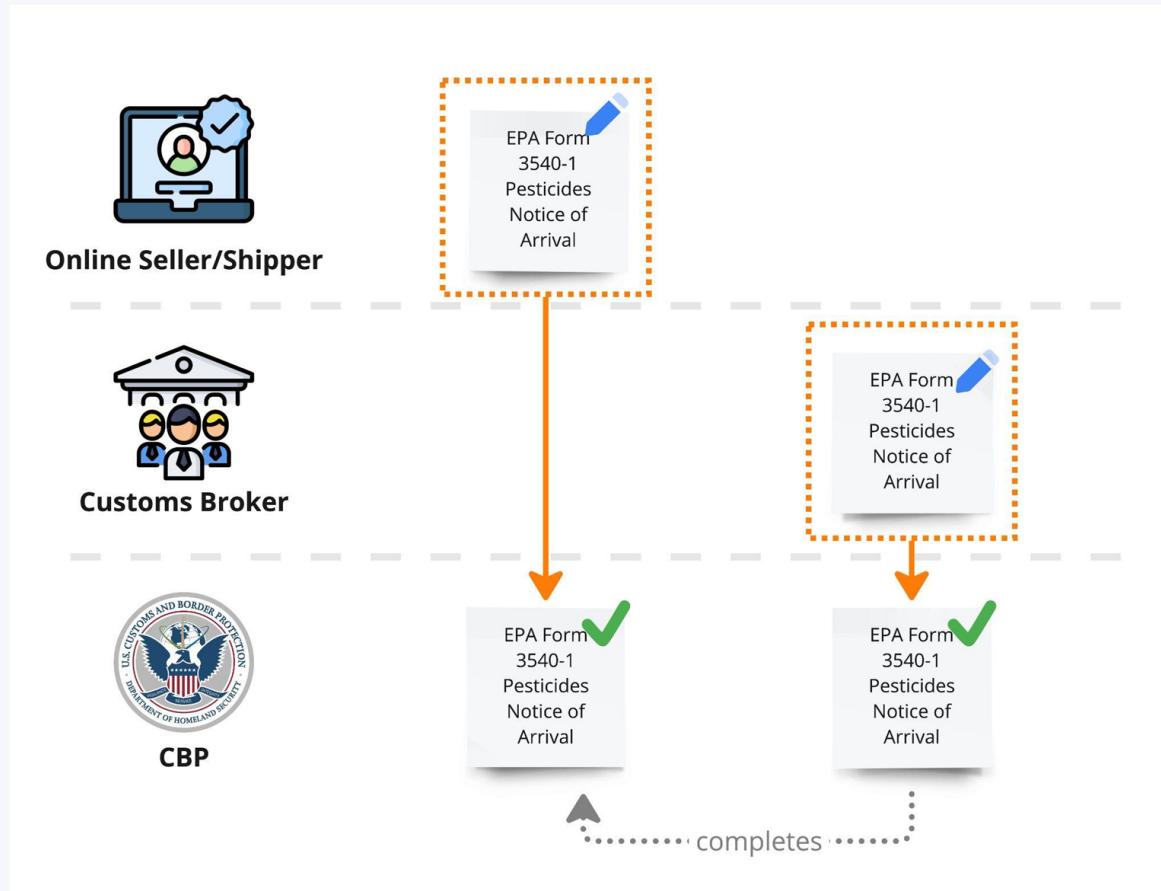
# Verifiable Traceability: Pesticide Example Scenario

Use verifiable credentials reconcile partial or redundant data on importation documentation and streamline interactions with PGAs



# Verifiable Traceability: E-Commerce Apparel Example Scenario

Use verifiable credentials reconcile partial or redundant data on importation documentation and streamline interactions with PGAs



Demonstration of incrementally filed data, submitted by multiple trade actors.

## Two partial 3540-1 Notice of Arrival credentials were filed:

- Initial filing by the Shipper, with initial data elements,
- Subsequent filing by the Broker, with the remaining data elements.





**TALK WITH US ABOUT YOUR CUSTOMS AND LOGISTICS NEEDS**

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