



27 - 28 October 2020

## Single Window and Data Sharing in Western Balkans

Division on Technology and Logistics (DTL)



- 1 Regional Context**
- 2 Global Context – Partnerships**
- 3 Lessons learned – Way forward**
- 4 Digital corridors (Air & Sea)**  
Cross-border information exchange

### ASYCUDAWorld

#### ► Western Balkans

**3 Customs Administrations** in Western Balkans are using ASYCUDA as their National Customs Information System:

- Albanian Customs Authority
- Indirect Taxation Authority of Bosnia and Herzegovina
- Kosovo Customs Department

#### ► CEFTA - 4 Customs Administrations

(above 3 + Moldovan Customs Service)














- Standard & nationally developed modules
- Movement of goods & persons
- Streamlined formalities & procedures
- Optimisation of processes & controls
- End-to-End electronic

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# Global Context

## Partnerships with International organisations for development and deployment of tools to support implementation of International Conventions

AGENCY		SIGNED	SCOPE
	International Organization for Migration IOM	July 2019	Development of interface between ASYCUDA and MIDAS (Migration Information and Data Analysis System)
	Universal Postal Union UPU	December 2015	Development of interface between ASYCUDA and UPU's electronic system for real time data exchange
	International Trade Center ITC	November 2015	Co-operation in improving transparency of data on trade and market access
	World Trade Organization WTO	November 2014	Development of ASYCUDA toll for capturing and sending national data the WTO Integrated Trade Database
	Convention on Int Trade in Endangered Species CITES	July 2014	Development and piloting of ASYCUDA module for monitoring trade in endangered species (eCITES)
	Office for Coordination of Humanitarian Affairs OCHA	February 2014	Development and piloting of ASYCUDA module for humanitarian relief consignments (ASYREC)
	International Air Transport Association IATA	November 2013	Development of interface between ASYCUDA and IATA system for real time data exchange
	Euro-Asian Economic Commission EAEC	May 2013	Collaboration in the areas of trade facilitation, Customs IT technology and Single Window
	World Customs Organization WCO	March 2013	Development and piloting of ASYCUDA module for performance measurement (ASYPM)
	Ministry of Economic Affairs of the Kingdom of the Netherlands	April 2010	Development and piloting of electronic phytosanitary certification system (ASYCER)
	International Road Transport Union IRU	April 2010 Extension tbc.	Development and piloting of ASYCUDA-TIR module

# Global Context

## Partner-agency Modules / Components jointly developed



### **eCommerce** - Effective and efficient management of cross-border E-Commerce

e-Commerce development in LDCs by addressing the need for the exchange of electronic advance data between Posts (CDS system) and Customs (ASYCUDA system) to enable an efficient customs clearance process and the timely delivery of postal items. The UPU sets the global postal strategy, regulations and standards, and provides technical assistance to member countries where needed to ensure a truly single postal territory in all dimensions of the postal service.



### **Compliance and enforcement** - Prevent illegal cross-border trafficking of endangered species

Within the framework of the MOU signed between the CITES Secretariat and UNCTAD, and a project sponsored by the Government of Switzerland both organisations have jointly developed a cloud-based electronic permit system offering automated support for permit application, processing, issuance and reporting.





## Partner-agency Modules / Components jointly developed



***Business continuity*** - Facilitate Humanitarian aid flows through efficient and managed coordination

Provides for coordinated, efficient and facilitated imports of humanitarian relief. This is a tool of the utmost importance for the humanitarian aid coordination mechanism, the Global Logistics Cluster, to ensure that the humanitarian response to an emergency crisis proves logistically efficient and effective.



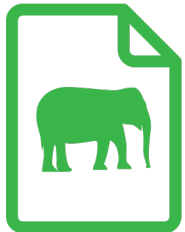
***Business intelligence*** - Performance Measurement for strategic decision

A BI (Business Intelligence) tool for promotion of efficiency and integrity within the Customs institution and its major stakeholders. It is composed of a statistical data warehouse and of 30 performance indicators. Performance measurement is a way to increase efficiency and identify gaps or areas with a need for a particular attention.

Other joint UNCTAD - International Organisations developed **Permits management solutions**



## Permits management solutions



Endangered species



Medicines, veterinary & medicinal products



Dual use items and technologies, arms & similar



Drugs precursors



Protection of environment & dangerous chemicals



Protection of environment ODS, POPs & WEEE



Protection of environment & transboundary movement of waste



Human health & medicines



National treasures & cultural goods



Veterinary, phytosanitary & food control



# Global Context

Customs-centric Single Window solutions deployed in several countries



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# Lessons learned – Way forward

## How to distinguish SW from SSP and TIP

### National Single Window (NSW)

**Transactions:** B2G, G2G, G2B

**Operation:** Public Domain

- ▶ Tariff and non-tariff regulatory compliance (including duty/fee calculations and their e-payment or remittance control);
- ▶ Application of sanitary, veterinary and sanitary-phytosanitary quarantine measures; Safety/security;
- ▶ Management of quota levels; intellectual property rights; submission of supporting documentation.



 **REC. 33**

### Single Submission Portals (SSP's)

**Transactions:** B2B, B2G, G2B

**Operation:** Private Domain

**Services:**

- Single entry & Single submission
- Transport
- Logistics
- Financial

**Types of SSP's:**

- Port Community Systems (PCS)
- Freight Forwarder Systems (FFS)
- Cargo Community Systems (CCS)



 **REC. 37**

### Trade Information Portal (TIP)

**Information:**

- ▶ Laws, regulations and other legal instruments relating to trade and compliance
- ▶ Electronic forms and messages for applications for LPCO's, Customs declarations etc.
- ▶ List of codes used in electronic forms, messages, applications, declarations etc.
- ▶ Information on how to connect to NSW, AW, etc.
- ▶ Tariff and Non-tariff measures, Advance rulings etc.



 **REC. 38**

..... Complementary & Interoperable Services .....

# Lessons learned – Way forward

## Single Window Environment – Main features

### The Trader Dashboard may contain:

- ▶ A section of **Notifications**, informing the Trader on a specific instance of a business process i.e. **Application registration** (assignment of unique application reference number and date), **Application accepted/rejected**, **Application Approved**, **License/ Permit issued** etc. These notifications have no impact on the flow of the business process;
- ▶ A section of **Tasks** for which the Trader must provide an answer (i.e. Provide **additional information/supporting documents**). The actions related to these tasks have to be fulfilled by the Trader, in order to continue the business process;
- ▶ A section of **Applications in progress**;
- ▶ A section of **Valid Licenses, Permits and Certificates**;
- ▶ A section of **Payments**;
- ▶ A section of **Delegations**;
- ▶ A section of **Customs declarations using Licenses, Permits and Certificates**;
- ▶ In **My Profile**, the user should be able to configure the dashboard sections, notifications, alerts etc.
- ▶ **Chatbot** - The chatbot is a **smart interactive feature** that can be used by any user to get additional information about anything related to LPCOs.





# Lessons learned – Way forward

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- ▶ **Create Applications** (24/7/365)
  - Capturing application data (Expert or Learning mode), or
  - Use permits as templates;
- ▶ **Save/Store** the information and complete the application over a number of sessions. Update and validate Application data before submission;
- ▶ **Attach** supporting documents;
- ▶ **Submit** Applications to the **Partner Competent Authority (PCA)**;
- ▶ Submit requests for **withdrawal**;
- ▶ **Receive Notifications** SMS/email (e.g. status of the Application, use of Permit, expiration of Permit, etc.);
- ▶ **View expected actions**;
- ▶ **Interact** with the **Partner Competent Authorities** (e.g. provide additional information)
- ▶ **Pay** License/Permit/Certificate issuance fees (e.g. using trader accounts)



# Lessons learned – Way forward

## Single Window Environment – Main features

### Partner Competent Authority Dashboard:

- ▶ **Receive** the Application and supporting documents. The system will automatically verify whether some of the conditions are validated, based on the type and content of the application;
- ▶ **Review** Application data, **conditions and criteria** associated, **supporting documents**;
- ▶ When the **PCA** assumes that the information provided by the Applicant is not sufficient to take a decision, he can **request the trader to update the information** in the Application or to **provide additional information/documents**;
  - The application status is changed to **PENDING\_INFO** and an automatic notification is sent to the Applicant;
  - The status suspends the permit process until the applicant provides the required information;
- ▶ **Take decision** i.e. **Accept** or **Reject** Application;
- ▶ **Take decision** to **Grant/Issue** license, permit or certificate





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## Air - IATA C-XML & EPIC in ASYCUDA

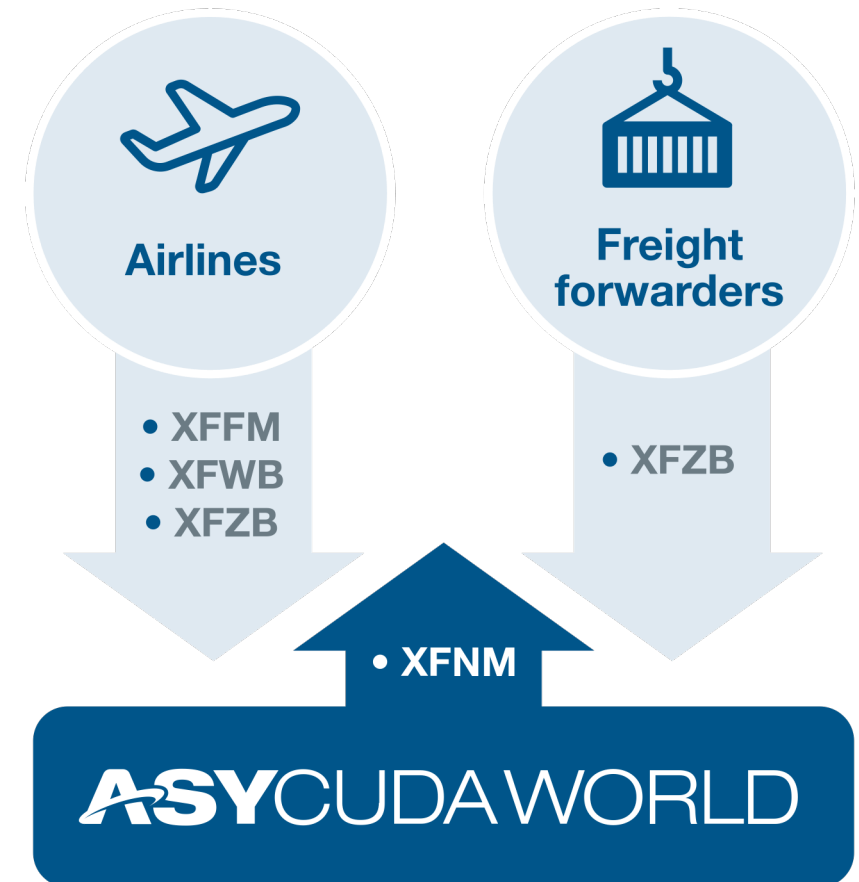
### 4 Fully Integrated Messages

- ▶ XFFM for Flight manifest
- ▶ XFWB, a complete set of data related to an Airwaybill to Customs
- ▶ XFZB will define the House waybills & specify
- ▶ XFNM Response message is an acknowledgement to the airlines that customs will send when receiving & processing XFFM, XFWB & XFZB or transmitting the errors if any

### Communication through

- ▶ Secure Email Exchanges (Asynchronous)
- ▶ Web services (Real-time responses)

### Two Main filers / legal authorized filers



## Air - IATA C-XML & EPIC in ASYCUDA

### Countries currently using C-XML

- ▶ **19 countries**, including Caribbean Community (CARICOM) Implementation Agency for Crime and Security (IMPACS)
- ▶ **5 more** going live soon, including **Albania (ACA)**, **Bosnia and Herzegovina (ITA)** & **Kosovo Customs Department (KCD)**

### Boosting Connection with EPIC

- ▶ **Easy connect with cargo partners** by using **Enhanced Partner Identification & Connectivity (EPIC)**
- ▶ **2 ASYCUDAWorld countries** running **EPIC**
- ▶ Quick Updates and follow up
- ▶ All new IATA Cargo XML Implementations in ASYCUDAWorld **may involve EPIC**



### Partnership with UPU

- ▶ Development of interface between ASYCUDA (ASYPED) & UPU's electronic system (CDS) for real time electronic advance data exchange (CUSITM/CUSRSP)
- ▶ IATA XFHL message will be the link between UPU CUSITM & Master airwaybills XFHB





## Maritime - Digitizing Global Maritime Trade



- ▶ Implementation of **ASYHUB** Data Exchange and Data Integration platform between **National Customs Information Systems** and ship data provider's ICT systems to facilitate the processing of electronic Sea Cargo Manifest pre-arrival (Entry) and pre-departure (Exit)
- ▶ Enhancement of **National Customs Information Systems** to facilitate risk-based PaP/PdP  
Provide Customs authorities with richer information to support a more informed risk assessment for a **better targeting** and **more effective decision** on which shipments to inspect  
Facilitate submission and processing of declarations, notifications, supporting documents **prior to the presentation of goods**



## Maritime – International Standards Entry & Exit formalities



### 1. UN/CEFACT

- ▶ Core Component Library 20A
- ▶ Standards on electronic documents e.g. Booking confirmation, Shipping instructions, Container list, Bill of Lading etc.
- ▶ Smart Containers (TBD)

### 2. WCO

- ▶ WCO DM 3.9.0 Derived Information Package( DIP) Advanced Electronic Information (based on SAFE Framework FoS),
- ▶ WCO DM 3.9.0 MSW Derived Information Package (Customs formalities)

### 3. IMO

- ▶ IMO Reference Data model, Compendium, Maritime Single Window

### 4. Digital Container Shipping Association (DCSA)

- ▶ DCSA Information Model, Interface Standard for Track and Trace, etc.

## Maritime - Advance Cargo Information



### Advance Cargo Information

- ▶ Prior to the arrival at the first port in the country of destination **vs**
- ▶ Prior to the loading at the port of departure



### Reporting of Container Status Messages

- ▶ Additional supply chain visibility provided by container status messages for real-time customs risk analysis



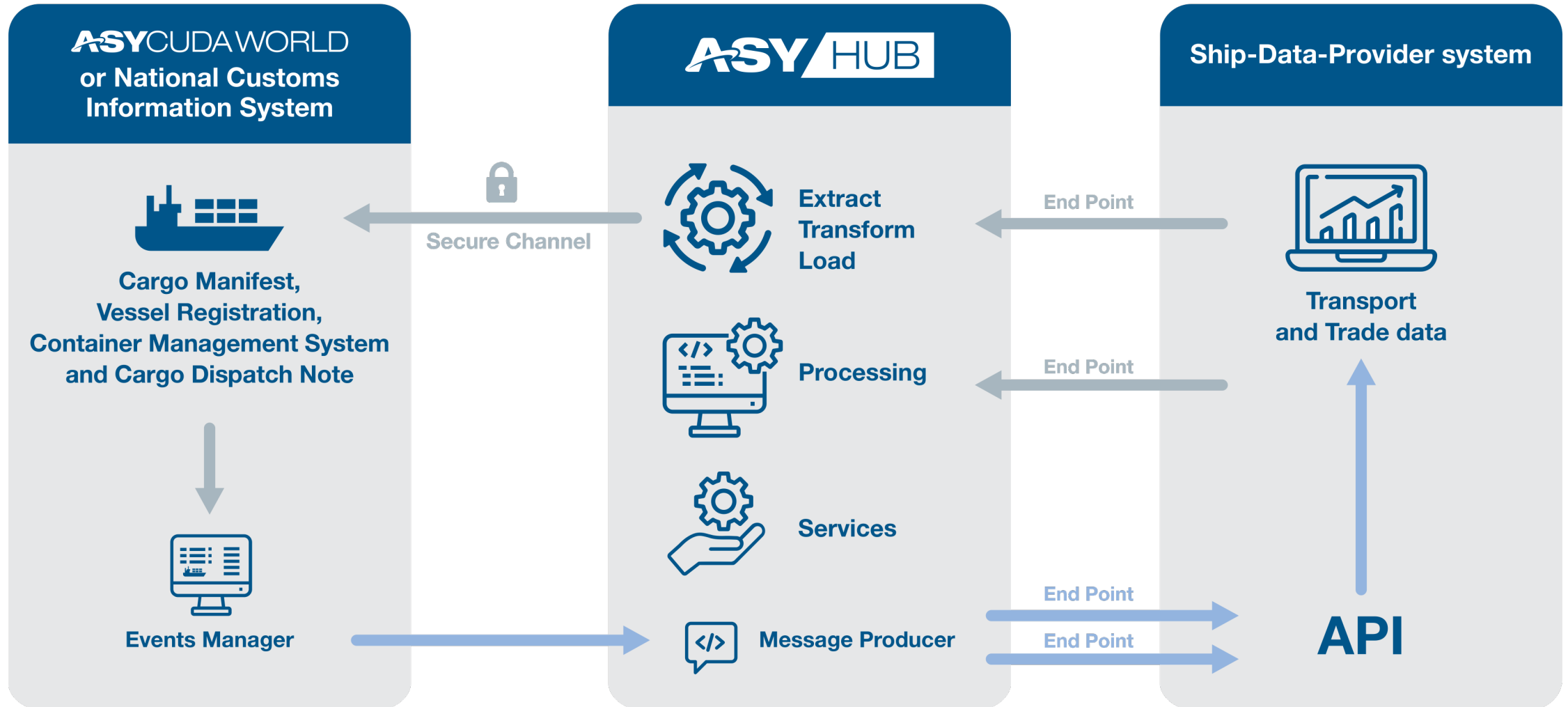
### System-to-system interface

- ▶ Complementary way of submission of Advance Cargo Information → to further simplify and automate the process of submission of Sea Cargo Manifest information

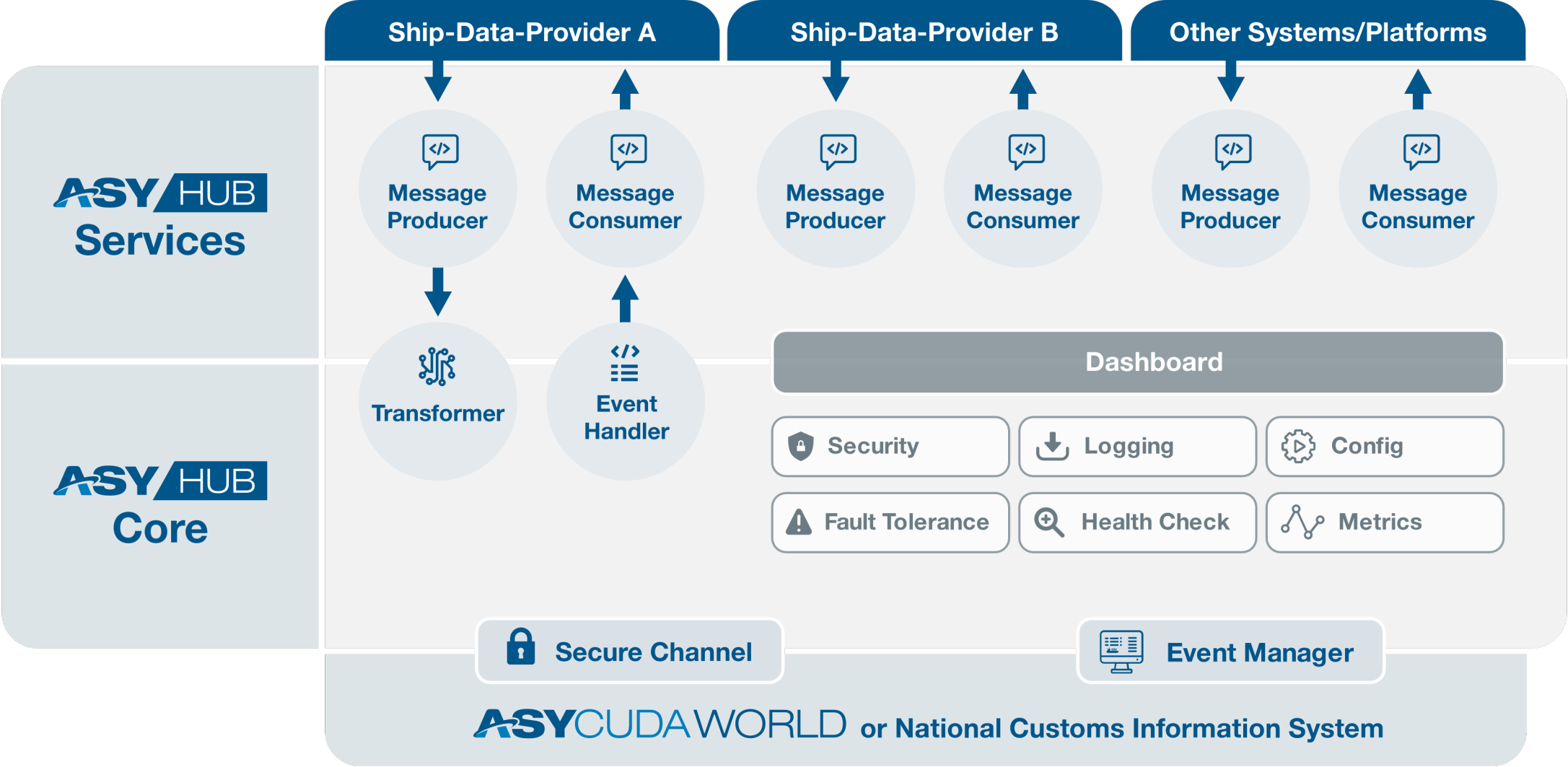


# Digital corridors (Air & Sea) Cross-border information exchange

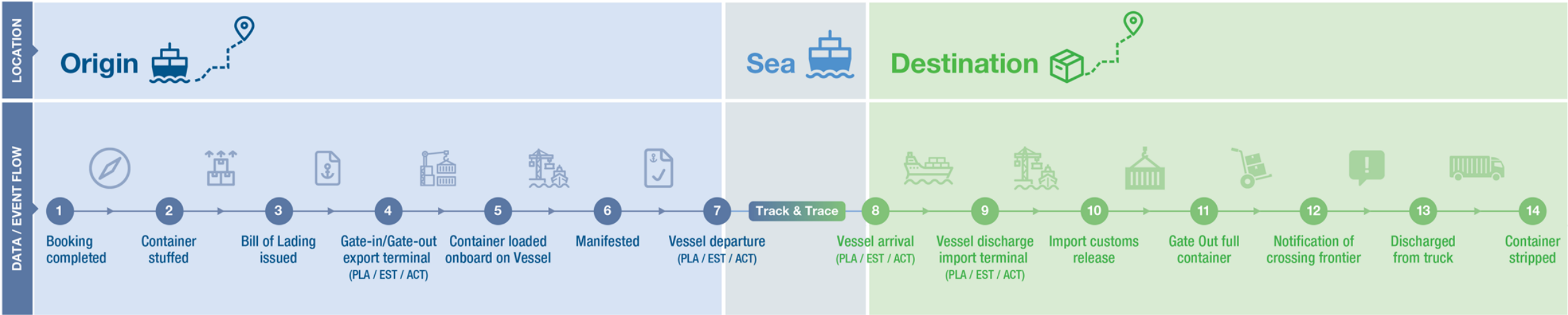
## ASYHUB Global Architecture



## ASYHUB Global Architecture



## END-2-END Supply Chain Visibility





## Cargo Risk Management

### ASYHUB Cargo Risk Management

#### Risk analysis

- Enable full risk analysis **pre-loading, pre-arrival** and **post-arrival** phase;
- Enable risk analysis **on all parties**;
- Enable **route-based** risk analysis on containers (locations, logistic events, means of transport etc.)



# ASYCUDA

CUSTOMS CLEARANCE TO SINGLE WINDOW

**Thank you for your attention!**  
**Q U E S T I O N S   &   A N S W E R S**



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