

**Use of international standards for business to customs information exchange**



# ➤ ASYCUDA for Digitalization. Interconnectivity & Interoperability

- ▶ **Facilitate collecting information from different actors & Re-use of supply chain data:** Providing Customs authorities will a 360-degree overview of the movements of goods and their supply chains. Streamlined submission and information sharing via System-to-System Information Exchange
- ▶ **Advance cargo information on all goods brought into the customs territory:** Facilitate the process of entry of goods, presentation of goods to customs only where the customs authorities so request or where other legislation applied by the customs authorities so requires
- ▶ **Pre-arrival/Pre-departure processing:** Facilitate submission and processing of declarations, notifications, supporting documents prior to the presentation of goods
- ▶ **Enhanced cooperation between customs and non-customs authorities:** Interoperability/information exchange, operational coordination, improved enforcement of prohibitions and restrictions
- ▶ **Digital corridors:** Cross-border information exchange Road, Rail, Air, Maritime, Multi-Modal Transport. eCommerce and Transit corridors



# ➤ Transit connectivity in the region

- ▶ **Afghanistan, Tajikistan & Turkmenistan**
- ▶ ASYCUDA standard Transit, national transit solution (aligned with national requirements), combined with
- ▶ ASYCUDA TIR, international transit solution (aligned with TIR-EPD/SafeTIR requirements)
- ▶ **Kazakhstan**
- ▶ ASTANA-1 Transit between Kazakhstan and EAEU member states (aligned with EAEU legislation & requirements/regional transit + TIR-EPD)
- ▶ **Georgia**
- ▶ CTC/NCTS NTA P5 between Georgia and member states of Common Transit Convention (aligned with CTC/EU requirements)



# ➤ Kazakhstan – Transit & Digital connectivity



BLR



KAZ



RUS



ARM



KGZ

## Cross-Border IE & Connectivity

### Automatic Exchange of Information (National, Customs Union and International level)

- ▶ Information Exchange messages with KTZ (National Railway Company)
- ▶ Information Exchange messages with IRU (TIR EPD, SAFETIR etc.)
- ▶ Information Exchange messages with Customs Union countries (EAEU, incoming and outgoing)

### Automatic Exchange of Information (neighboring countries, bilateral agreements)

- ▶ Customs data exchange between Kazakhstan and China
- ▶ Customs data exchange between Kazakhstan and Uzbekistan

### Integrations with specialized equipment to receive and process data

- ▶ E-GATE, Automatic License Plate Recognition (ALPR), Weighbridges, X-Ray/Radiation equipment, Surveillance cameras

### Streamlined Submission and Information sharing

- ▶ Data pipeline to streamline border processes (multi-agency)



# ➤ Georgia – NCTS P5 & Digital connectivity

## Core components

- ▶ Transit Declaration Management
- ▶ Guarantee Management
- ▶ Authorisations Management
- ▶ Reference Data
- ▶ Risk Management
- ▶ System Administration
- ▶ Data Exchange



Georgia Revenue Service Testing

Home

Transit Applications

DEPARTURE ARRIVAL RECORD TRANSIT RECORDS EXIST RECORDS

Outgoing transits

Customs Office	MRN	LRN	Update Date	Status
GEBCP005	24GEBCP00500067J6	43	01/02/2024 14:23:25	Recovery Recommended
GEBCP005	24GEBCP00500066J7	42	01/02/2024 13:03:07	Recovery Recommended
GEBCP005	24GEBCP00500065J8	41	31/01/2024 15:16:28	Movement Written Off
GEBCP005	24GEBCP00500064J9	40	30/01/2024 18:09:36	Movement Released
GEBCP005	24GEBCP00500063J0	39	30/01/2024 17:59:37	Movement Released

Your Guarantees

Guarantees Applications in process

GRN	Balance	End Date	Status
23GEBCP001000026G0	0	26/10/2023	Active
23GEBCP001000025G1	23	28/11/2023	Active
23GEDEP001000024G10	938,000	31/10/2023	Active
	1,000,000	24/01/2024	Rejected
23GEDEP001000022G1	20,000	03/10/2023	Approved

Your Authorisations

CONSIGNEE CONSIGNOR TIR CONSIGNEE GUARANTEE

New Authorised Consignee for Community Transit Application

Customs Office	Registration Reference	Decision Reference	Update Date	Status
GEBCP001	GE2023R-CN000004		08/11/2023 12:45:53	Accepted

User Accounts

Pending Approval

Login Identifier	User Type	First Name	Last Name	Document Status
test1333	trader	test	test	Registered

Rejected Accounts

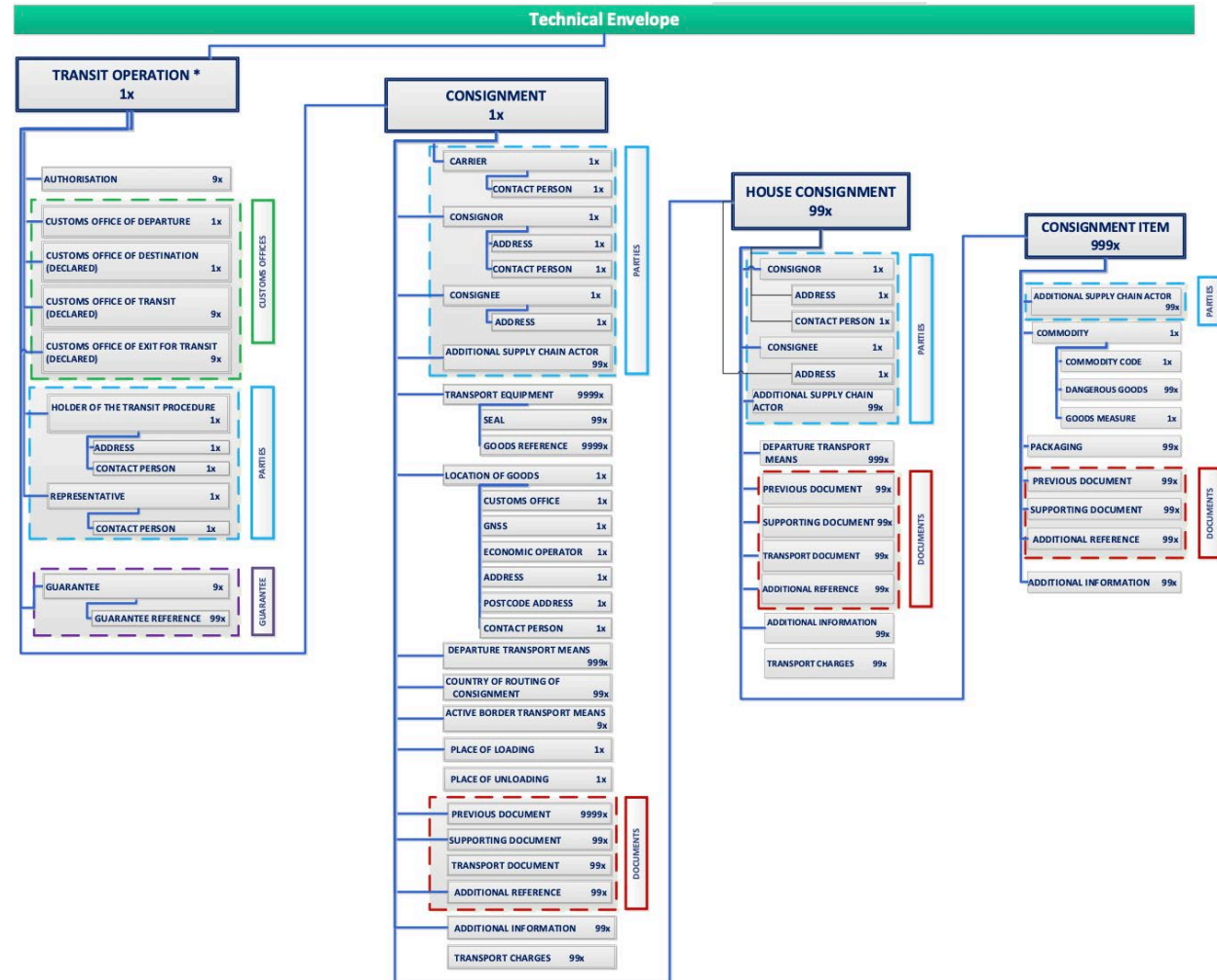
Login Identifier	User Type	First Name	Last Name	Document Status
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# ➤ Georgia – NCTS P5 & Digital connectivity

## Data grouping

- ▶ Transit operation level
- ▶ Consignment (Master consignment) level
- ▶ House consignment level
- ▶ Consignment item level



# Georgia – Cross-border Data Exchange



## System Messages

NOTS Messages / System Messages

Reload | |

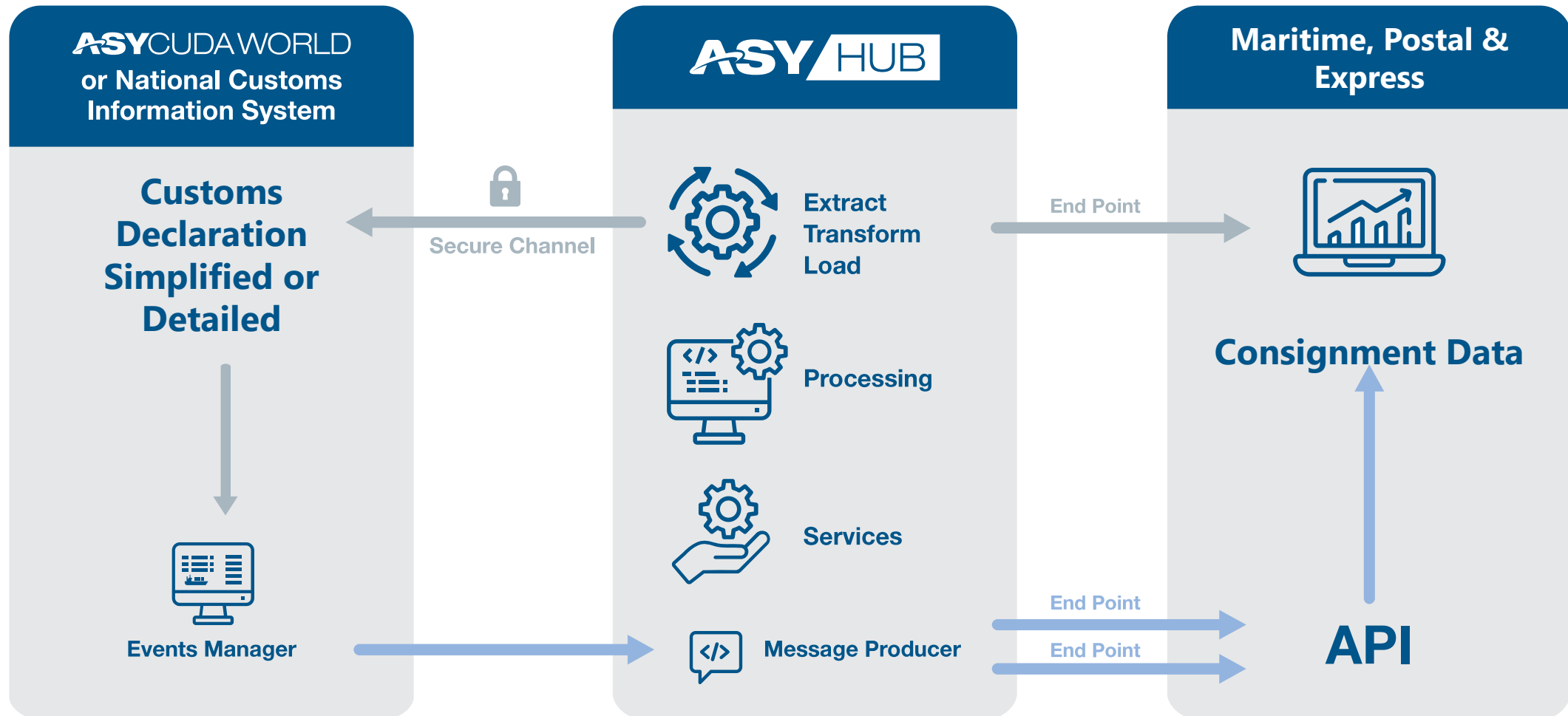
ID	MRN	Sender	Recipient	Box Date	Message Type	Correlation ID	Event Date	Content Type	Queue Name	Event Type	Response Type	
1870FA45	24DEA36321A100AEL2	NTA.GE	NTA.DE	05/06/2024 11:00:27	CD006C		05/06/2024 10:50:05	XML	TRANSITS_OUT	▶ OUT	✓ SUCCESS	📄
13E40548	24DE9FAF0DC33243L2	NTA.GE	NTA.DE	05/06/2024 10:37:31	CD006C		05/06/2024 10:37:29	XML	TRANSITS_OUT	▶ OUT	✓ SUCCESS	📄
15BEB94E	24GEBBCP002000758J5	NTA.GE	NTA.GE	05/06/2024 10:30:51	CD006C		05/06/2024 10:30:42	XML	TRANSITS_IN	↕ NM	✓ SUCCESS	📄
5B27E147	24GEBBCP002000758J5	NTA.GE	NTA.GE	05/06/2024 10:16:31	CD001C		05/06/2024 10:16:24	XML	TRANSITS_IN	↕ NM	✓ SUCCESS	📄
E63EBA4F	24GEBBCP002000757J6	NTA.GE	NTA.GE	04/06/2024 14:50:11	CD018C		04/06/2024 14:50:04	XML	TRANSITS_IN	↕ NM	✓ SUCCESS	📄
BF280542	24GEBBCP002000757J6	NTA.GE	NTA.GE	04/06/2024 14:41:51	CD006C		04/06/2024 14:41:34	XML	TRANSITS_IN	↕ NM	✓ SUCCESS	📄
0BA9E849	24GEBBCP002000757J6	NTA.GE	NTA.GE	04/06/2024 14:33:11	CD001C		04/06/2024 14:33:08	XML	TRANSITS_IN	↕ NM	✓ SUCCESS	📄
9C944949	24GEBBCP002000756J7	NTA.GE	NTA.GE	04/06/2024 14:23:31	CD006C		04/06/2024 14:23:20	XML	TRANSITS_IN	↕ NM	✓ SUCCESS	📄
31C11B40	24GEBBCP002000756J7	NTA.GE	NTA.GE	04/06/2024 14:22:11	CD001C		04/06/2024 14:21:52	XML	TRANSITS_IN	↕ NM	✓ SUCCESS	📄
4BFE4840	24GEBBCP009000755J6	NTA.GE	NTA.FR	03/06/2024 17:27:11	CD003C	15ARZ4YL	03/06/2024 17:26:26	XML	TRANSITS_OUT	▶ OUT	✓ SUCCESS	📄
15ARZ4YL	24GEBBCP009000755J6	NTA.FR	NTA.GE	03/06/2024 17:26:55	CD002C		03/06/2024 13:24:46	XML	TRANSITS_IN	✉ IN	✓ SUCCESS	📄
6K643ACC	24GEBBCP009000755J6	NTA.BE	NTA.GE	03/06/2024 17:26:25	CD118C		03/06/2024 13:24:42	XML	TRANSITS_IN	✉ IN	✓ SUCCESS	📄
04HDB9SU	24GEBBCP009000755J6	NTA.TR	NTA.GE	03/06/2024	CD118C		03/06/2024	XML	TRANSITS_IN	✉ IN	✓ SUCCESS	📄

Rows per page: 15 1-15 of 6363 |< < 1 > >|



# ASYCUDA Data Ecosystem

Tools and standards for interoperability between multimodal transport data exchange and regulatory systems



ASYHUB – New Data Exchange and Data Integration platform with 3<sup>rd</sup> party platforms



# ➤ ASYCUDA Data Ecosystem

## ASYHUB

- ▶ **ASYHUB** is an open **standardized platform** that facilitates the Data processing and Data Integration between Customs Information System and Other external systems/platforms
- ▶ It is designed to be **cloud-native** using **microservices** centered principles
- ▶ It is **fully Integrated** with **ASYCUDAWorld System**
- ▶ It is **Integrated** with **Ship Data Providers (DCSA/IMO/WCO), Postal Data Providers (UPU/WCO), Express Consignment Data Providers (GEA/WCO)**
- ▶ It is a **multi-connectors extendable** platform that receives data from different sources
- ▶ It works fully with **Open-Source Technologies**
- ▶ Enables **Pre-Arrival** and **Pre-Departure Processing** for Maritime, Postal & Express Consignments
- ▶ Enhances UX and facilitates Users' access to information using **modern web browsers** and **mobile devices**
- ▶ Provides Customs authorities with **richer information** to support a more informed risk assessment for a better targeting and more effective decision on which consignment to inspect

# ➤ Data Exchange and Data Integration platform



## Advance Cargo Information

- Enabling access to Advanced Cargo Information facility to re-use data as to complete formalities in relation with entry into Customs territory



## Container Status Messages

- Additional supply chain visibility provided by container status messages capability to track and trace movement of containers – End-to-End visibility



## 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



## Pre-Arrival Processing

- Submission and processing of declarations, notifications, supporting documents, prior to the presentation of goods

- ▶ Implementation of ASYHUB Data Exchange and Data Integration platform between ASYCUDA System and ship data provider's ICT systems to facilitate the processing of electronic Sea Cargo Manifest pre-arrival (Entry) and pre-departure (Exit).

Enabling the re-use of supply chain data and further automate the processes of **Arrival, Presentation and Temporary storage (Entry), Exit**

- ▶ Facilitate submission and processing of declarations, notifications, supporting documents prior to the presentation of goods.

**Introducing Pre-arrival Processing (PaP) and Pre-departure Processing (PdP)**

# Data Exchange and Data Integration platform

## Cargo declaration



ASyHUB Platform UI

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- [Home](#)
- [Dashboards](#)
- [Maritime Cargo](#)
- ▲ Port Calls
  - [New Port Calls](#)
  - [Search Port Calls](#)
  - [Ship Stores](#)
  - [Search Passengers Document](#)
  - [Search Last Ten Ports Document](#)
- ▲ Cargo Declarations
  - [New Cargo Declaration](#)
  - [Cargo Declarations](#)
- ▲ Consignments
  - [New Consignment](#)
  - [Consignments](#)
- ▲ Containers
  - [New Container](#)
  - [Containers](#)
- [Postal Cargo](#)

Consignments / Consignments

 🔍 Filter
 [🔄 Reload](#)
[📄 Export CSV](#)
[+ New](#)

Reference	Carrier	Loading Place	Discharge Place	Office Code	Departure Port	Voyage Number	Departure Date	Transport Status	Transport Means	Document Status	Updated At
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MAEU	MYTPP	KHKOS	SHV11	MYTPP	401N	2024-01-03	In Transit	HANSA BREITENBURG	B/L Issued	11/01/2023:00:37	
MAEU	MYTPP	KHKOS	SHV11	MYTPP	401N	2024-01-03	In Transit	HANSA BREITENBURG	B/L Issued	11/01/2023:00:36	
MAEU	MYTPP	KHKOS	SHV11	MYTPP	401N	2024-01-03	In Transit	HANSA BREITENBURG	B/L Issued	11/01/2023:00:35	
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Implemented By UNCTAD/DTL/ASYCUDA

# Data Exchange and Data Integration platform

## Transport equipment/Containers



Containers												
Maritime Cargo / Containers / Containers												
Equipment Number	Container Type	Carrier	Office	Departure Port	Voyage Number	Departure Date	Container Status	Transport Means	Document Status	Updated At ↓ 1		
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⋮	<a href="#">TIU2090728</a>	22G1	TXZJ	SHV11	CNSHK	24001S	2024-06-06	In Transit	TS TOKYO	Created	08/06/2024.08:59:32	⋮
⋮	<a href="#">TLLU3079833</a>	22G1	TXZJ	SHV11	CNSHK	24001S	2024-06-06	In Transit	TS TOKYO	Created	08/06/2024.08:59:32	⋮
⋮	<a href="#">DFSU1937838</a>	22G1	TXZJ	SHV11	CNSHK	24001S	2024-06-06	In Transit	TS TOKYO	Created	08/06/2024.08:59:32	⋮
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⋮	<a href="#">BEAU2965083</a>	22G1	MAEU	SHV11	MYTPP	423N	2024-06-05	Arrived	HANSA BREITENBURG	Created	08/06/2024.08:32:29	⋮
⋮	<a href="#">TEMU1475937</a>	22G1	MAEU	SHV11	MYTPP	423N	2024-06-05	Arrived	HANSA BREITENBURG	Created	08/06/2024.08:32:29	⋮
⋮	<a href="#">MSDU2691200</a>	22G1	MAEU	SHV11	MYTPP	423N	2024-06-05	Arrived	HANSA BREITENBURG	Created	08/06/2024.08:32:29	⋮
⋮	<a href="#">CAAU6505067</a>	45G1	MAEU	SHV11	MYTPP	423N	2024-06-05	Arrived	HANSA BREITENBURG	Created	08/06/2024.08:32:29	⋮
⋮	<a href="#">TEMU3423790</a>	22G1	MAEU	SHV11	MYTPP	423N	2024-06-05	Arrived	HANSA BREITENBURG	Created	08/06/2024.08:32:29	⋮
⋮	<a href="#">SUDU1911470</a>	22G1	MAEU	SHV11	MYTPP	423N	2024-06-05	Arrived	HANSA BREITENBURG	Created	08/06/2024.08:32:29	⋮
⋮	<a href="#">MSKU7308536</a>	22G1	MAEU	SHV11	MYTPP	423N	2024-06-05	Arrived	HANSA BREITENBURG	Created	08/06/2024.08:32:29	⋮

Rows per page: 500 1501-2000 of 133356 |< < 4 > >|

# Data Exchange and Data Integration platform

## Consignments



Consignments Maritime Cargo / Consignments / Consignments Filter Reload Export CSV + New

Reference	Parent Reference	Carrier	Loading Place	Discharge Place	Office Code	Departure Port	Voyage Number	Departure Date	Orphan	Transport Status	Transport Means	Document Status
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<a href="#">24SG10004679</a>	238646517	MAEU	SGSIN	KHKOS	SHV11	MYTPP	423N	2024-06-05		In Transit	HANSA BREITENBURG	B/L Issued
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Rows per page: 15 1-15 of 71269

# Data Exchange and Data Integration platform

End-2-End visibility



## ASY HUB





# THANK YOU!

## QUESTIONS & ANSWERS

