UNCTAD ASYCUDA Programme:

PROMOTING CONNECTIVITY OF SPECA REGION THROUGH ELECTRONIC CUSTOMS DATA EXCHANGE

Ashgabat, 19-21 November 2019
ASYCUDA ECOYSYTEM COMPONENTS

ASYCUDA IN THE SPECA COUNTRIES

ASYCUDA customised to national requirements
AFGHANISTAN

ASYCUDA customised to EEC & national requirements
KAZAKHSTAN (ASTANA-I)

ASYCUDA Nationally developed modules and interfaces

ASYCUDA customised to national requirements
TURKMENISTAN

ASYCUDA Trade Portal
AFGHANISTAN
KAZAKHSTAN
TURKMENISTAN

Single Window
KAZAKHSTAN
**Data Requirements** – Data harmonization, international standards (UNECE, UN/CEFACT UN/EDIFACT, WCO DM), best practices of electronic information exchange, national rules and conditions

**Business Process Overview** – Pre-arrival & Arrival processes, Information flow, Border events

**User Interface Layer** – Security and Safety Document (SSD) - System Presentation
Secure e-Borders - Large-scale business transformation

- Data pipeline to streamline border processes;
- Data transformation/Re-use of data and automatic reconciliation for seamless flow of information: Pre-arrival ⇒ Arrival ⇒ Transit ⇒ Temporary Storage;
- Integrations with specialised equipment to receive and process data regarding results of technical controls e.g. e-GATE/Automatic Number Plate Recognition (ANPR), Weighbridge, X-Ray/Radiation equipment, and surveillance cameras (Multimedia/Digital images of means of transport crossing the border Entry&Exit);
- Improved coordination with order border agencies in respect of controls and information exchange - Integrations with OGAs to facilitate interventions by other Border Agencies (e.g. SPS controls);
Peer to Peer messaging

Types of messages
1. Customs Automatic Messages (Open/close Transit, etc.)
2. Inquiry Messages based on User requests
3. Technical Messages (e.g. Results)

Message Envelope
1. Information on Application generating the message
2. Message Type
3. Routing Information (sender and receivers)
4. The Body contains the payload (document data)
Web Enabled System

Centralized System Environment Applied in 50 Customs Offices

Over 145000 Transit Documents since May 2019

Multilingual system (Turkmen, English, Russian)

One single Document via cross border procedures

Re-Engineered Business Processes

Powerful Statistical Reporting
ASYCUDA Transit

- Departure and Destination Office Procedures Proceed in One Single Document.
- Secure Barcode for each Transit Document
- Enchased Customs procedures by Selectivity on Transit Document
- Transit Document Declared all related information related with consignment (Attached document, Previous Document, Transport information)
- Finder Mechanism based by Transit Document Status
Customs Portal

ASYCUDA

In 1981 UNCTAD received a request from the secretariat of the Economic Community of West African States (ECOWAS) to assist in the compilation of foreign trade statistics in their member States. This involved Customs clearance offices, and the modernisation of Customs clearance procedures, to achieve quality results.

Find out more about the background and origins of the ASYCUDA programme.

ASYCUDA Programme Strategic Plan - 2011-2015

The ASYCUDA Programme provides technical assistance to Member States for managing international trade and transport operations in a modern automated environment. The strategic goals of the ASYCUDA Programme are to leverage innovative capacities to respond to demands from members and partners and to ensure long term sustainability of the Programme.

More information

Full Desktop

ASYCUDA client runs on the most popular Java-enabled desktops such as Windows, Linux, Macintosh, Solaris, AIX and others and can be started from any web browser.

We have detected the following in your system's settings:
- Java Virtual Machine (JVM) version: no version detected.
- Java (JRE 1.6.0_20) is required in order to run ASYCUDA, please proceed to download and install the following: Download Java JRE 1.6.0_20

Rich Internet Application Desktop

ASYCUDA Rich Internet Application (RIA) interface can be run within any browser.

Light Desktop

A light version of ASYCUDA is available for light tablets, PDAs or smartphones, bringing the power of e-Document applications to your fingertips.

Web Services

Web Services use Extensible Markup Language (XSL) messages that follow the SOAP standard and give ASYCUDA the possibility to interoperate with external systems and OS94 adhering to the standards.
<table>
<thead>
<tr>
<th><strong>Transit Declaration Document</strong></th>
<th><strong>Asycuda Transit Declaration</strong></th>
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<td><strong>2 Exporter /...</strong></td>
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<td>&quot;OOO &quot;JAMSHIDBEK MOXINABONU&quot;&quot;</td>
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<tr>
<td><strong>UZBEKISTAN KOREZMSKAYA OBL.</strong></td>
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<td>1: BA4417AG/AG4034TR</td>
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<td><strong>17 Country of destination</strong></td>
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<td><strong>20 Delivery terms</strong></td>
<td><strong>21 Identity and nationality of active means of transport crossing the border</strong></td>
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Facts and Statistics

Transit Document

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<td>UZ</td>
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Facts and Statistics

TOP 10

T2 Transit Exported From Turkmenistan

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Future opportunities

- Support of regional infrastructural projects through facilitated Customs procedures
- Digitalization of TIR operations
- Customs data exchange between ASYCUDA systems of Turkmenistan and Afghanistan
- Customs data exchange between ASYCUDA systems of Turkmenistan and Kazakhstan/ASTANA-1
- Regional transit corridors (SPECA, Silk Road, ECO, etc.)
Landlocked, but can become a land-linked country. Afghanistan has a special geographic location in the region, connecting the South and Central Asia and the West through transit corridors. Afghanistan shares 5,600 Km border with 6 countries.

- 12 border crossings (with BCPs) through which trade is allowed
- 18 ICDs for Customs clearance
- 04 Airport Customs
- 65 Customs Check posts

The fully automated data exchange mechanism was successfully piloted in 2018 by the Customs Service under the Government of Tajikistan and Afghan Customs Department (Nuzhny Pianj - SherKhan Bandar) with the support of UNCTAD and World Bank, based on UNECE recommendations.
Afghanistan to Customs to Customs Data Exchange with neighboring countries

- Technical C2C data exchange testing finalized between the Afghan Customs Department and Iranian Customs Administration (IRICA) in 2018-2019

- Fully automated data exchange mechanism was successfully tested in 2019 between the ACD and UAIS of State Customs Committee of Uzbekistan in (Export Data)

- The Afghan Customs Department and UNCTAD hope to extend this collaboration with Turkmenistan,

- Data exchange consultations between Afghanistan and Pakistan Customs administrations are in progress

- Customs cooperation agreements with Russian Federation, China, UAE in future plans
Streamlining Formalities and Procedures Implementation of ASYCUDA ecosystem components in Kazakhstan (ASTANA-1)

Secure e-Borders (1st October 2017):
- Pre-Arrival (e-GATE and Technical controls)
- Transit (e-TIR and EAEU Transit)
- Temporary Storage

Automated Export System (1st January 2018):
- Electronic Declarations
- Integrated Tariff Management System
- Risk Management and Controls

Automated Import System (1st April 2018):
- Integrated Customs Declarations
- Non-Tariff Measures
- Customs Valuation
- IPR, Customs Decisions
- Unique Trader Account
- Information exchange KTZH IRU, EAEU, National Bank, Taxpayers registry, Exchange rates etc.

ASTANA-1 Ecosystem
STREAMLINING FORMALITIES AND PROCEDURES IMPLEMENTATION OF ASTANA-1 AND SINGLE WINDOW

ASTANA - 1
Integrated Customs Information System
31 Sub-systems
Goods and Persons

Information exchange
(EAEU, OGAs, IRU, 3rd CTYs)

Single Window Portal
Single Electronic Access Point

Trader Dashboard
OGA Dashboard

ASYCER
Single Window

End-2-End electronic processes/Optimisation of processes and controls/Direct release

eBorders
Entry of goods incl. Pre-arrival

Transit
eTIR and EAEU Transit

AIS - Release for free circulation

AIS - Special procedures

AES - Export and Exit

E-Inventory
Temporary Storage, Customs Warehousing, Free zones

Passenger declaration

Post Clearance Audit

Multi-Agency Risk Management

Customs Valuation Management

Integrated Tariff Management System

Workload Management/Anticorruption

Customs Decisions

ePayment and Guarantee Management

Intellectual Property Rights

EORI, eRegisters and Common Reference Database Management

Electronic declarations

Automatic application of Non-Tariff Measures (NTMs)

Electronic and digital supporting documents

Automatic validation and FLC

Automatic calculation of duties and taxes

LPCO Quantity Management/Write-off

Integrated multi-agency business processes

Tracking and tracing
Kazakhstan ASTANA-1 Data Exchange Environment

- TIR EPD, TIR EGIS, TIR+, Safe TIR are fully operational
- Integration of ASTANA-1 with KTZH (Kazakh railways system)
- Integration of ASTANA-1 with E-freight/IATA in progress
- Export data exchange with UAIS of Uzbekistan Customs
- Transit data exchange with EAEU members
- Export confirmation and WTO goods with EAEU
- Temporary admission of transport means
- Goods marking/tracking within EAEU (fur coats pilot, shoes)
- Export data exchange with China (in progress)
- C2C data exchange with Turkey, Azerbaijan, Georgia, Vietnam in future plans
ASYCUDA-based Single Windows

- Based on UNECE Single Window recommendations
- Applying ASYCUDA experience in simplifying, automating and modernising customs procedures to broader trade
- Business process re-engineering of trade-related agencies procedures in particular their interaction with customs
- Applying trade regulations through trade facilitation and automation of e-government agencies with Customs being the lead agency
Manage and oversee cross border trade operations

- Trade operators
- Customs brokers
- Insurances
- Carriers, freight handlers
- Banks, financial institutions

Customs centric Single Window

- Agriculture, food and drugs
- Chemicals, precursors
- Control of origin labels
- Endangered species (CITES)
- Port, airport authorities
- Statistical department
- Public treasury
- Health, medicines
- Technical norms, electric, etc.
- Waste, (Basel convention)
- Nuclear
- Quality control, precious metal
- Defense, weapons
- Technical control of vehicles
Publication and Availability of Information (Article 1 WTO TFA)

Single Window Portal
Quick access to relevant Customs & CBRA information
ASYCUDA-based Single Windows

- Implementation of Single Window of the Republic of Kazakhstan for Export and Import Operations 2017-2019
- Interoperability of Kazakhstan Single Window with the EAEU regional platform is in progress (single registers of AEO, carriers, warehouses, supporting documents)
- ASYCUDA forms the solid basis for Single Window in Turkmenistan and Afghanistan in line with UNECE standards
- First SW components are in progress in Afghanistan (E-payment, Exemptions Module)
- Single Windows interoperability and data harmonization in SPECA region can be considered in a future
New ASYCUDA Tools to Support Cross-Border data exchange

- Facilitation and simplification – use of electronic advance data (EAD) for postal consignments Electronic version of CN22/23 to replace the paper documents. Interoperability and data exchange between UPU-CDS and UNCTAD - ASYPDC (CUSITM, CUSRSP messages)

- ASYCUDA PAP Module – pre-arrival processing for express operators (DHL, etc.)

- ASYREC – joint UNCTAD-OCHA solution for Customs processing of humanitarian relief consignments (pre-arrival information, data exchange with OCHA database of humanitarian organisations and goods)

- ACITES – joint UNCTAD – UNEP CITES solution for monitoring cross-border legal trade

- ASYCUDA interface with IOM MODAS (under discussion)
Thank you!

ASYCUDA Programme
Division on Technology and Logistics (DTL), UNCTAD