UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT
UNCTAD

UNCTAD

Session IV: Partnerships for Trade Facilitation and Sustainable Development in the Subregion

UNCTAD ASYCUDA Implementation Experience in the SPECA countries

Geneva, 04 July 2019

UNITED NATIONS

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

IMPLEMENTATION OF ASYCUDA ECOSYSTEM COMPONENTS

ASYCUDA IN THE SPECA COUNTRIES

ASYCUDA customised to national requirements
AFGHANISTAN

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

ASYCUDA
Nationally developed modules and interfaces

ASYCUDA customised to national requirements
TURKMENISTAN

ASYCUDA Trade Portal
AFGHANISTAN
KAZAKHSTAN
TURKMENISTAN

Single Window
KAZAKHSTAN

Streamlining Formalities and Procedures Implementation of ASYCUDA ecosystem components in Kazakhstan (ASTANA-1)

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.

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

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

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 SECURE E-BORDERS STREAMLINED SUBMISSION AND INFORMATION SHARING

Secure e-Borders *- Movement of goods and persons*

- ***End-to-End 100% electronic processing***
- ***Automatic Exchange of Information***
- ***Improved balance between trade facilitation and control***
- ***Better monitoring and supervision of customs procedures to minimise fraud and protect financial and economic interests***

Kazakhstan Secure e-Borders
Streamlined Submission and Information sharing

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);*

KAZAKHSTAN SINGLE WINDOW
STREAMLINING FORMALITIES AND PROCEDURES
INTER-AGENCY BUSINESS PROCESSES - OPTIMAL FLOW OF INFORMATION

Streamlining Formalities and Procedures Non-Tariff Measures (NTMs) in Kazakhstan

KAZAKHSTAN ASTANA-1
MAPPING WITH INTERNATIONAL CLASSIFICATION OF NON-TARIFF MEASURES (NTMs)

Import measures	Technical measures	A. SANITARY AND PHYTOSANITARY MEASURES
		B. TECHNICAL BARRIERS TO TRADE
		C. PRE-SHIPMENT INSPECTION AND OTHER FORMALITIES
	Non-technical measures	D. CONTINGENT TRADE-PROTECTIVE MEASURES
		E. NON-AUTOMATIC LICENSING, QUOTAS, PROHIBITIONS AND QUANTITY-CONTROL MEASURES OTHER THAN FOR SPS OR TBT REASONS
		F. PRICE-CONTROL MEASURES, INCLUDING ADDITIONAL TAXES AND CHARGES
		G. FINANCE MEASURES
		H. MEASURES AFFECTING COMPETITION
		I. TRADE-RELATED INVESTMENT MEASURES
		J. DISTRIBUTION RESTRICTIONS
		K. RESTRICTIONS ON POST-SALES SERVICES
		L. SUBSIDIES (EXCLUDING EXPORT SUBSIDIES UNDER P7)
		M. GOVERNMENT PROCUREMENT RESTRICTIONS
		N. INTELLECTUAL PROPERTY
		O. RULES OF ORIGIN
Export measures		P. EXPORT-RELATED MEASURES

Implementation of ASYCUDA ecosystem components
Case Studies – Kazakhstan

Menu

EN

SECURE E-BORDERS

The State Revenue Committee of the Ministry of Finance of Kazakhstan is facilitating and securing international trade through the implementation of best commercial practices in accordance with WTO TFA and WCO standards framework.

SITUATION

The UN Economic and Social Commission for Asia and the Pacific (UNESCAP) reports that more than 50% of transit time is wasted at border crossing points in road transports between Kazakhstan and Europe, potentially harming the export-led economic growth in landlocked countries like Kazakhstan.

SOLUTION

ASTANA-1 Secure e-Borders project started in December 2015 in order to fulfill the Head of State N. Nazarbayev's 100 concrete steps for the implementation of the nation's five institutional reforms. The introduction of a paperless and fully electronic and interoperable environment improved the efficiency and effectiveness of transit procedures.

RESULT

The "ASTANA-1 Secure e-Borders" system component is operational nationwide since 1st October 2017, reducing the time of documentary and border compliance. Some of the immediate acknowledged benefits of the "ASTANA-1 Secure e-Borders" project include the following:

- End-to-End electronic processing of information: prearrival information and processing;
- Improved balance, coordination and effectiveness between trade facilitation and control;
- Automatic exchange of information at national, regional and international level;
- Assisting traders to comply with legal requirements;
- Allowing a better monitoring of customs procedures to minimise fraud and protect financial and economic interests.

KAZAKHSTAN

50
minutes average time for transit customs clearance at border

"Comparing to last year, imports have increased by 14% and exports have grown by 30%. This is all due to the introduction of the ASTANA-1 System based on the ASYCUDAWorld."

Alikhan Smailov,
First Deputy Prime Minister - Minister of Finance

SECURE E-BORDERS

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SIZE OF PROJECT

Paper-based customs office: 0

Total number of customs offices: 97

Computerized customs office: 97

Amount of Imports: 29,300 in million USD

Amount of Exports: 48,300 in million USD

2017 VOLUME OF ACTIVITY

229,648 Import Declarations processed

58240 Export Declarations processed

282,000 Transit Procedures processed

PERSONS TRAINED

Number of females trained: 900

Number of males trained: 2100

ASYCUDA

ASYCUDA Programme
United Nations Conference on Trade and Development
Palais des Nations, CH-1211 Geneva 10, Switzerland
asycuda@unctad.org @AsycudaProgram

UNCTAD ASYCUDA for Afghanistan

PHASE 3 (2019-2021) ENHANCEMENT OF ASYCUDA SYSTEM OF THE AFGHAN CUSTOMS DEPARTMENT

UNCTAD ASYCUDA for Afghanistan

Travellers/Cash declaration

UNCTAD ASYCUDA for Afghanistan

Biometric access to the system

The main advantages of using Biometric access in ACD:

Advantage #1: Capture unique biological traits. It uses technology to detect customs officers and licensed customs brokers based on their individual makeup.

Advantage #2: Trust the accuracy. Biometric physiological attributes cannot be duplicated or forged.

Advantage #3: Prevent buddy punching practices which are possible in the ACD AW system using the username and password access. Buddy punching is illegal in Afghanistan. It is easily prevented with biometric access. Because it captures each Customs officer and Customs brokers' unique traits, a co-worker cannot access in or out for another customs officer/licensed customs brokers.

Advantage #4: Biometric fingerprinting access also monitors remote customs officers working the borders. The use of biometrics enables ACD Management to monitor employees working in remote ICDs BCPs.

Advantage #5: Preventing unlicensed customs brokers to access the system.

Advantage #6: Improve employee accountability with audit trail in customs.

Advantage #7: Integrate with current AW systems. The flexibility of fingerprint access allows it to work well alone or all ACD AW Modules.

Advantage # 8: Preventing the misusing of username and password which was the issue for ACD Management.

UNCTAD ASYCUDA for Afghanistan

Biometric access to the system

UNCTAD ASYCUDA for Afghanistan
E-PAYMENT

AW E-PAYMENT ENHANCEMENT FOR INTER-OPERATING WITH DA AFGHANISTAN BANK

- Elaboration of ACD AW e-Payment Technical Specifications is done.
- Design and development of ACD AW e-Payment solution is Completed.
- Successful Piloting of ACD AW e-Payment solution.
- Roll out of ACD AW full e-Payment solution in all Customs sites.

AFGHANISTAN
PAYMENTS SYSTEMS

Total Payable 208,571.00

The entire ammount of cash should be transferred to the Customs account No.: 340383

No payment should be accepted without this information

2	Issued by مرتضی کاکر Signature	Stamp		Received by Signature	Stamp 3
4	☐ Cash ☐ Transfer ☐ Che ☐ Other			Confirmed by	
5	Accepted by	Stamp		Bank Cashier Date Place Stamp	

Afghanistan Customs Department

Ammount

2 0 8 5 7 1 . 0 0 0

Please use blue or black ink to fill in this form

From Bank Account

Signature

UNCTAD ASYCUDA for Afghanistan

Customs to Customs Data Exchange

The fully automated ASYCUDA data exchange mechanism was successfully piloted in 2018 by the Customs Service under the Government of Tajikistan in live operation at the border with Afghanistan (Sher-Khan Bandar). The technical tests are being finalized between the ACD and the with Iranian Customs Administration (IRICA) and State Customs Committee of Uzbekistan.

Also the fully automated data exchange mechanism was successfully piloted in 2019 between the ACD and State Customs Committee of Uzbekistan in (Export Data).

The Afghan Customs Department and UNCTAD hope to extend this collaboration in near future with Turkmenistan, Pakistan and China. And UNCTAD is waiting for the government protocol between mention countries to start the technical phases of data exchange.

Business and Functional Requirements

Data Requirements – Data elements, code lists (International/National), information exchanges, Rules and Conditions

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

User Interface Layer – Security and Safety Document (SSD) - System Presentation

Customs-2-Customs
AFGANISTAN – TAJIKISTAN Data Exchange

Customs-2-Customs
AFGANISTAN – TAJIKISTAN Data Exchange

Safety&Security Document Interface

ASYCUDAWorld - belicov

File View Window Help

Security and Safety Declaration - View [XTJ]

File Edit View Help

EUROPEAN COMMUNITY

Carrier No

DECLARATION TYPE Other SCI XTJ

MRN 15C2CXTJ000000028

Issuing date 28/11/2015

Forms 2 Items 1 Pkg. 3

Customs office C2C Customs To Customs

Reference number 762124/171114/0000559

Identity and nationality of active means of transport crossing the border S8108AI/718SE.

Ctn.

Country(ies) of routing codes

#	Code	Name
1	AF	افغانستان

Mode of tpt. 30

Conveyance reference number

Date/time arr. 1st place cust. terr.

Office of exit

Location of goods

First place arr. cde AF331

Shipping marks

Offices of subsequent entry

#	Code	Name

Consignee (security) No 000000004

Notify party No

Consignor (security) No

Place of loading

Place of unloading

Uniques consignment / Transport reference no 927117

Currency USD

Value 5,110.00

Container numbers

Seal numbers

Gross mass (kg) 690.000

T.C.M.paym.cde

Person lodging the exit/entry sum. Dec. No 125277638

Place and date at Customs Office 28/11/2015

Security and Safety Declaration | List of Items Information

Document library | Security and S... | Security and Safet...

23:57

Reference number	MRN	Issuing Date	Officer Name
24/171114/0000559	15C2CXTJ000000028	28/11/2015	System Generated
15/061114/0005624	15C2CXTJ000000037	28/11/2015	System Generated
15/071114/0005700	15C2CXTJ000000019	28/11/2015	System Generated

State Customs Service of Turkmenistan

ASYCUDA Transit Piloting

- ✓ Web Enabled System
- ✓ Centralized System Environment Applied in 50 Customs Offices
- ✓ 25000 Transit Documents since May
- ✓ Support international printing languages (English,Russian,Turkman) .
- ✓ One single Document via cross border procedures
- ✓ Re-Engineered Business Processes
- ✓ Powerful and Statistical Reporting

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State Customs Service of Turkmenistan

ASYCUDA Transit Piloting

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

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State Customs Service of Turkmenistan

Customs Portal

ASYCUDA
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HOME | ABOUT ASYCUDA |

ASYCUDA - Automated SYstem for CUstoms DAta

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

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

01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12

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 endeavour to leverage innovative capacities to respond to demands from members and partners and to ensure long term sustainability of the Programme.

More information

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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 tablet PCs, PDAs or Smartphones, bringing the power of e-Document applications to your fingertips.

Web Services

Web Services use Extensible Markup Language (XML) messages that follow the SOAP standard and give ASYCUDA the possibility to interoperate with external systems and OGAs adhering to the standards.

State Customs Service of Turkmenistan

ASYCUDA Transit Declaration

TÜRKMENISTAN

Transit Declaration Document

A CUSTOMS OFFICE
Discharge status
TIR Carnet
TIR EPD
TIR Holder ID
Open Page
Close Page

1 DECLARATION
T2

3 Forms: 1 | 1
4 Load List

5 Items: 1
6 Nbr packages: 506
7 Reference number: 07311 2019 #142

4 Copy for the office of destination
5 Copy for return

2 Exporter /... No.
"YANKI TRANZIT TICARET LOJISTIK TEHNOLOJI ITH.IHR.LTD.STI"
IRAN

8 Consignee No.
OOO "JAMSHIDBEK MOXINABONU"
UZBEKISTAN XOREZMSKAYA OBL

Transit Numbering
07311/300619/0000843
09930073112019 0D00008430

14 Declarant / Representative No. 101211004820
"Aziýa ulaglary" hususy kärhanasy
Aşgabat ş., Köpetdag etraby, Garaşsyzlyk şaýolynyň 25-nji jaýy.
1-26-39-108/15.09.2017-15.09.2020

15 Country of export
Eýran

15 C.E. Code
a IR b

17 C.D. Code
a UZ b

17 Country of destination
Özbegistan

18 Identity and nationality of active means of transport at departure
1: BA4417AG/AG4034TR TM

19 Ctr.

20 Delivery terms
CIP UZ SHABAT

21 Identity and nationality of active means of transport crossing the border

22 Currency & total amount invoice...

sit T1 | Additional | N.I. Inspection | En route control | M.o.T | Att. Doc. | Preview Documents

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Thank you!

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