

Multi-year Expert Meeting
on Transport, Trade Logistics and Trade
Facilitation:

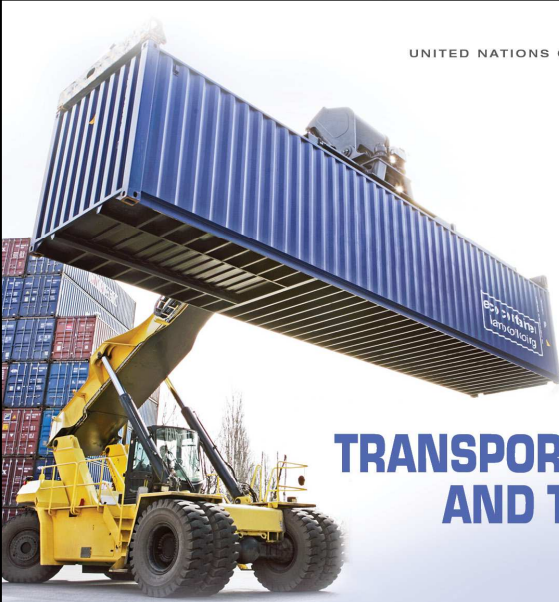
**Transport and logistics innovation
towards the review of the Almaty
Programme of Action in 2014**

22-24 October 2013

**ASYCUDA World Technology for Control and
Monitoring Transit Systems**

by

Mr. Dmitry Godunov
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ASYCUDA/UNCTAD




UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT
UNCTAD


Multi-year expert meeting

TRANSPORT, TRADE LOGISTICS AND TRADE FACILITATION

22-24 October 2013, Geneva, Palais des Nations



UNITED NATIONS



***ASYCUDA World Technology
for Control and Monitoring
Transit Systems***

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ASYCUDA Programme, Division on Technology and Logistics



Introduction

- «Sub-theme 3 – Addressing persistent and emerging development challenges as related to their implications for trade and development and interrelated issues in the areas of finance, technology, investment and sustainable development

B. The role of UNCTAD

56. In accordance with Paragraph 18 UNCTAD should:

- (i) continue its work in the field of trade facilitation, including the ASYCUDA Programme.»*

The Doha Mandate



Introduction - ASYCUDA in the world

- 30 years of customs modernization experience
- 100 implementations on 5 continents
- 70,000 trained users
- 15,000,000 Customs operations per year
- 50,000,000 database transactions per year
- 19 languages and 8 alphabets
- 8 Regional Support Center



Introduction - ASYCUDA in the world

A/63/165 "Implementation of the Almaty Programme of Action: Addressing the Special Needs of Landlocked Developing Countries within a New Global Framework for Transit Transport Cooperation for Landlocked and Transit Developing Countries"

Report of the Secretary-General of the UN

- ***65. Landlocked and transit developing countries continued to benefit from the UNCTAD Automated System for Customs Data (ASYCUDA) programme, which is designed to speed up customs procedures through the use of information technology. The new web-based ASYCUDA system, "ASYCUDAWorld", is being introduced in many landlocked and transit developing countries.***



Introduction - ASYCUDAWorld today

- **Integrated multifunctional platform**
- **International and European standards (WCO, ISO, UNECE, the EU)**
- **Customs-centric Single Window (e-portal, e-signature, e-licensing, multiagency risk-management)**
- **Enhanced technical features (web-services, SOA, XML, barcodes, portable devices)**
- **Regional transit and cross-border data exchange**



Introduction. ASYCUDA today

- **« The most recent Web-based version of ASYCUDA will allow Customs administrators and traders to handle most of their transactions via the Internet. The new e-Customs platform, dubbed ASYCUDAWorld, will be particularly useful to developing countries, where poor fixed-line telecommunications are a major problem for e-government applications. It is also powerful enough to accommodate the operational and managerial needs of Customs operations in any developed country as well.»**

Source UNECE/UN-CEFACT - Recommendation and Guidelines on establishing a Single Window

http://www.unece.org/fileadmin/DAM/cefact/recommendations/rec33/rec33_trd352e.pdf



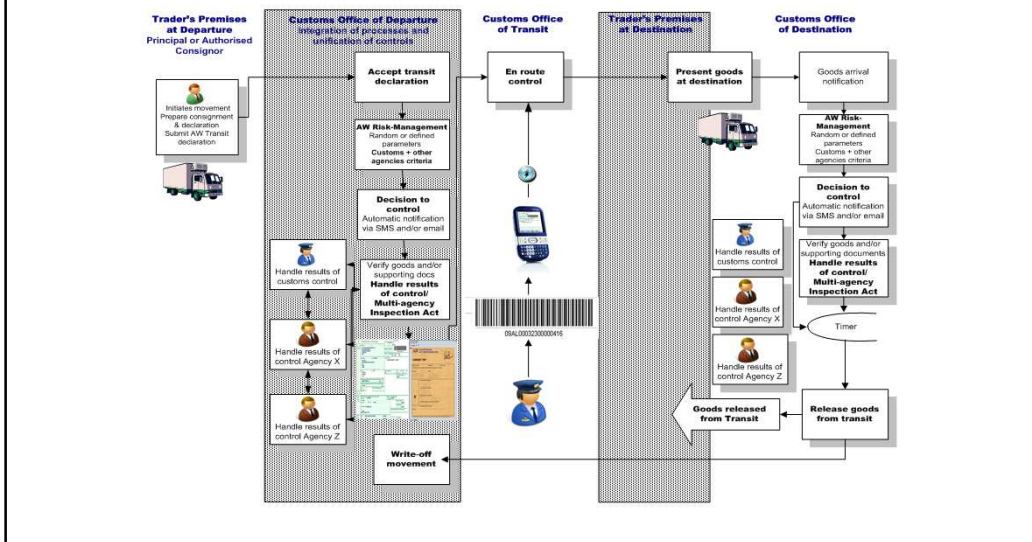
ASYCUDA Transit Control and Monitoring

Main Characteristics:

- (1) Fully computerised control and monitoring of transit
- (2) Integrated transit control system
- (3) Management of guarantees and warehouses
- (4) National and regional transit systems
- (5) Enhanced technical and functional capabilities



ASYCUDA Transit Control and Monitoring



ASYCUDA Transit e-Documents

The screenshot shows the ASYCUDA World e-Documents interface. The main window displays a transit declaration form with the following details:

- Header:** ASYCUDAWorld - Admin, Skedar, Paragraf, Editore, Nalqene.
- Document Type:** T1 at Departure - Shika (2009).
- Form Fields:**
 - 2. Injigues/Exportues: 09AL003230002699, PRESTIGE CENTER, SINGAPORE.
 - 3. Mandator/Importues: J021220908, SABAUDIN GABRIAN, TRANE NTM, TRANE.
 - 14. Deklarues/Portuesues: J021, Duesres.
 - 15. Vendi dhe qarkulluesues: Singapore.
 - 16. Kodi V. dergj...: 17. Kodi V. dest...: Albania.
 - 18. Identifikues kombetare dhe identifikues i kompanise: AL.
 - 21. Identifikues kombetare dhe identifikues i kompanise: SARINSAZINIA.
 - 22. Vendi i eksportit/Importimit: [Blank].
 - 23. Identifikues kombetare dhe identifikues i kompanise: J021220908.
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ASYCUDA Transit e-Documents



ASYCUDA Transit e-Documents

ASYCUDA World Customs Transit Document		1 DECLARATION T1		A OFFICE OF DISPATCH/EXPORT GIEPU ENTRY PROCESSING UNIT	
2 Consignor/Exporter No. UNIVERSAL MARINE MEDICAL SUPPLY		3 Forms 1 1		4 Load List 1300GIEPU0042033	
5 Consignee No. 000000 PRIVATE IMPORTER NAME:		6 Tot packages 4		7 Reference number 2013 #42	
14 Declarant/Representative No. 100031 FREIGHT AT LTD UNIT 21 HARBOUR'S YARD NEW HARBOURS		15 Country of dispatch/export Spain		16 C.E. Code a1 ES	
18 Identity and nationality of means of transport at departure FH12JFA MVACERYANTAREA ES		19 Ctr. ES		17 C.D. Code a1 ES	
21 Identity and nationality of active means of transport crossing the border FH12JFA MVACERYANTAREA ES		25 Mode of transport 3		27 Place of loading	
31 Packages and Marks and numbers - Containers No(s) - Number and kind 4 PA11 F15		32 Item 4		33 Commodity code 84810000 1	



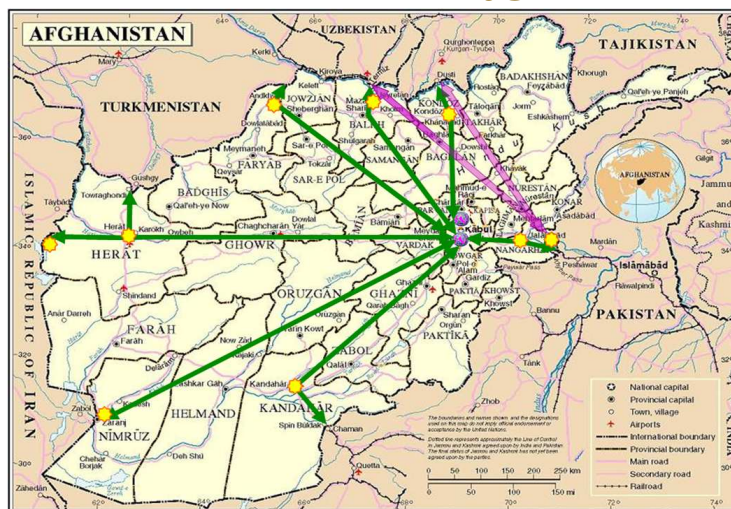
ASYCUDA Transit Control and Monitoring

Full integration of transit procedures in the customs clearance process:

- Transit documents generated from Waybills
- Transit documents discharging Waybills
- Transit documents generated from export declarations
- Manifests and Waybills generated from transit documents



ASYCUDA Transit (Afghanistan)





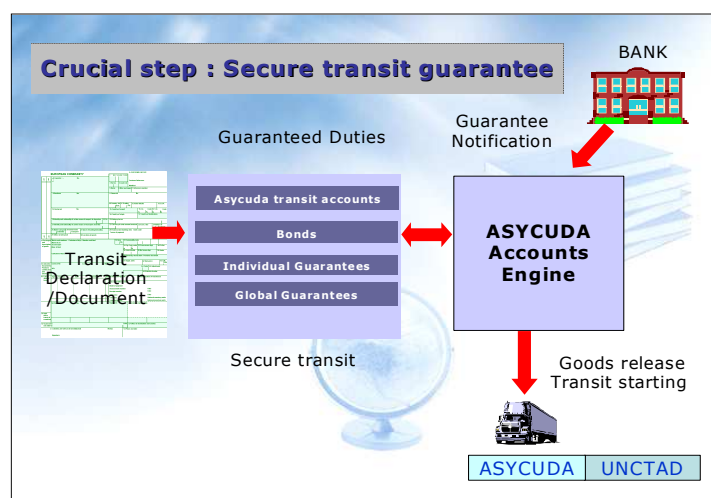
ASYCUDA Transit Control and Monitoring

Implementation of automated customs transit procedures at national level:

- All transit procedures are in line with international standards and best practices
- All transit declarations are submitted in electronic format
- All payments, made in branches of authorised banks, are automatically confirmed to customs in electronic format
- All transit data, generated in the customs offices, is automatically consolidated in the Customs HQ
- All reference data, updated by HQ, is automatically sent to customs sites
- All end-users (customs officers, brokers, carriers) are trained and fully capable to operate with the system



ASYCUDA Transit Guarantee Management





ASYCUDA Transit Guarantee Management

Transit - Account Summary [X23]

File Edit View Help

ASYCUDA

Transit Guarantee Account Management

Account Reference: X23 Type: A Transit

Principal: 06000040

Date Interval: From: To:

Owner Name and Address: Societe Air Suisse International Airport 4504 - Zurich Kloten

Maximum Overdraft: 2.000.000,00 Remaining Amount:

Op.	Description	Ser.	Nbr.	Ass. Date	Office	Debit	Credit	Date
8	T1 Accounted	5		03/09/2012	CU001		35.900,00	04/09/2012
9	T1 Registered Undo Close	2		31/08/2012	CU001	100.000,00		04/09/2012
10	T1 Accounted	2		31/08/2012	CU001		100.000,00	04/09/2012
11	T1 Registration	1		05/09/2012	CU000	37.114,74		05/09/2012
12	T1 Registration	2		05/09/2012	CU000	37.114,74		05/09/2012
13	T1 Registration	1		21/12/2012	CU007	15.000,00		21/12/2012
14	T1 Registration	3		21/12/2012	CU000	37.114,74		21/12/2012
15	T1 Registration	4		21/12/2012	CU000	37.114,74		21/12/2012
16	T1 Registration	1		29/01/2013	CU001	10.500,00		29/01/2013
17	T1 Registration	2		27/02/2013	CU001	500.000,00		27/02/2013
18	T1 Accounted	2		27/02/2013	CU001		500.000,00	27/02/2013
19	T1 Registration	1		27/02/2013	CU007	15.000,00		27/02/2013
20	T1 Accounted	1		27/02/2013	CU007		15.000,00	27/02/2013
21	T1 Registration	3		24/05/2013	CU000	37.114,74		24/05/2013



ASYCUDA Transit Warehouse Management

Previous Declaration - View [CU012]

File Edit View Help

ASYCUDA

Previous declaration - General segment

2 Exporter No. Fathi ben ayed rue de la fontaine st denis

1 DECLARATION CU012 Zurich Railways Office Customs Reference C. 12 02/09/2013 L. 12 02/09/2013

5 Items 6 Nbr packages 50 7 Reference number 2013 #12

8 Consignee No. A0000001 SA Commerciale de Suisse Romande Bureau 4587A Immeuble Le Mont-Blanc 1234, Boulevard de la Confederation Zone Industrielle Internationale 23 1245 - Grand et Petit Saconnex - GE

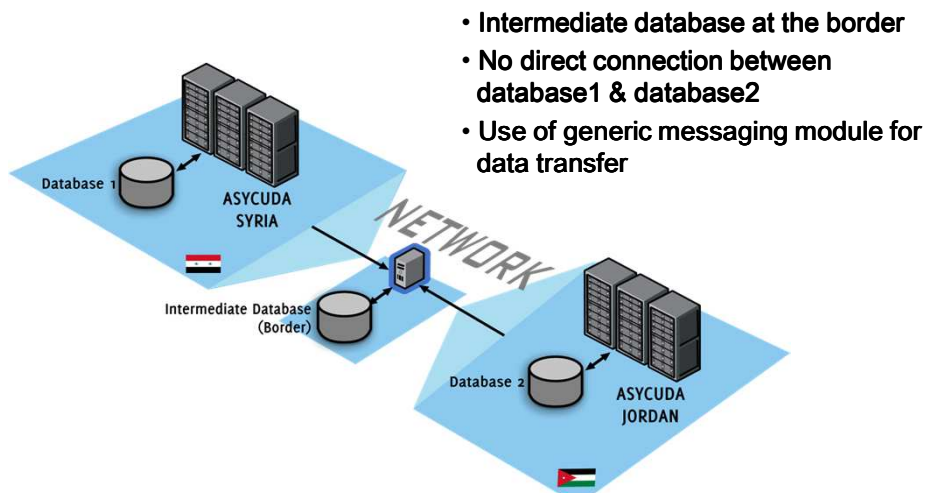
14 Declarant No. A-001 Acem brokerage limited rue des Alpes 14 1245 - Geneva

Identification of warehouse: WH010 Expiry date: 04/09/2013

Item	SH Code	Prec	Initial weight	Initial S.U.	Remaining weight	Remaining S.U.
1	22011000	00	5.000.00	1,000	5.000.00	1,000
2	22019000	00	100.00	1,000	100.00	1,000
3	22021000	00	100.00	1,000	100.00	1,000
4	22029000	00	100.00	1,000	100.00	1,000
5	22030000	00	100.00	1,000	100.00	1,000



ASYCUDA Cross-Border Data Exchange

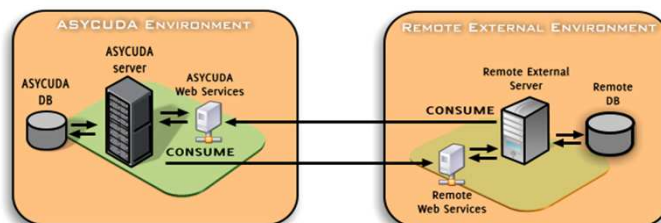


- Intermediate database at the border
- No direct connection between database1 & database2
- Use of generic messaging module for data transfer

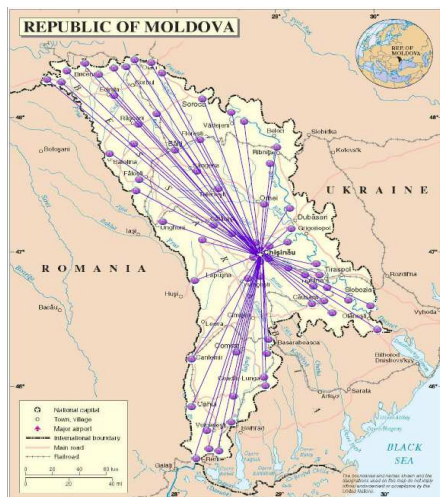


ASYCUDA Cross-System Data Exchange

- Web Services used as a Standard and Unique Interface of communication with external Systems
- Experiences: Ministry of Transport, IRU Transport associations (TIR), e-Tax system integration



ASYCUDA TIR



- TIR-EPD & SafeTIR functions fully integrated into the ASYCUDAWorld system
- ASYCUDA TIR piloted and fully operational in Republic of Moldova and Georgia



ASYCUDA TIR



- Submission of pre-arrival information through TIR-EPD
- Real time cross check of TIR Carnets validity
- Automatic generation and transfer of SafeTIR messages
- EPD administration, management of black lists, stolen carnets etc.
- Main NCTS formats and messages integrated in ASYCUDAWorld



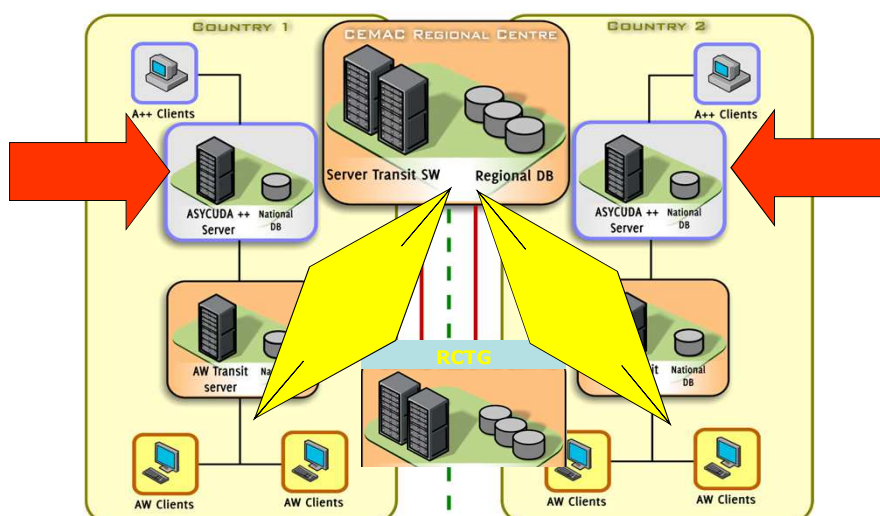
ASYCUDA Regional Transit

CEMAC:

- ❖ Exchange of transit data Cameroon, Chad and CAR
- ❖ National customs IT systems are ASYCUDA, they communicate through ASYCUDAWorld transit system
- ❖ Use of generic messaging module for data transfer

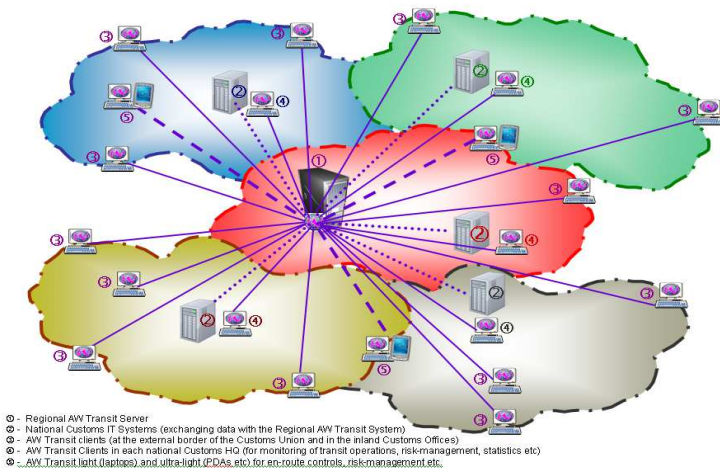


ASYCUDA Regional Transit (CEMAC)

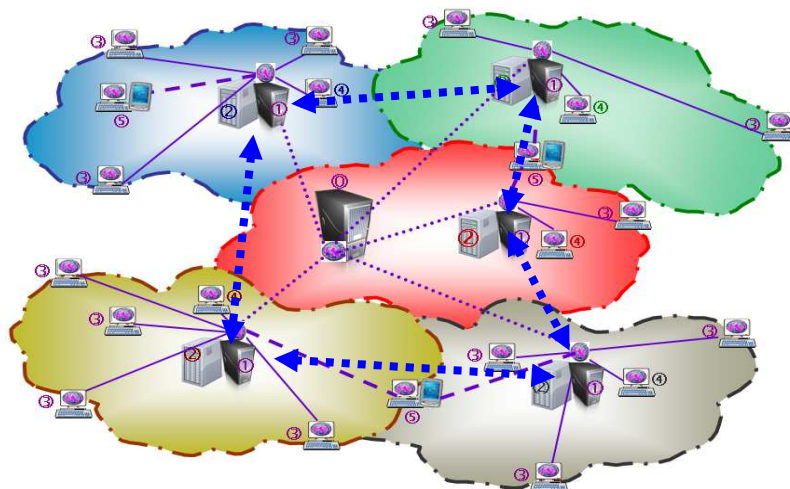




ASYCUDA Regional Transit (centralised)



ASYCUDA Regional Transit (decentralised)





ASYCUDA regional transit

South African Customs Union:

- Exchange of declaration data between Namibia and Botswana
- National customs IT systems are ASYCUDA
- Export/Import data exchanged via an outsourced cloud
- Exchange of declaration data between South Africa (own national IT system) and Swaziland (ASYCUDA++)



Enhanced Technical Capabilities

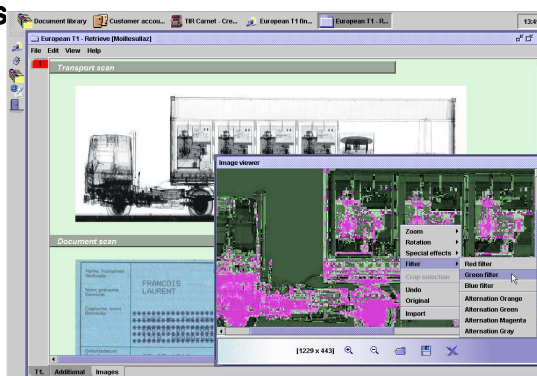
- Integration of images into ASYCUDA Transit document.
All types of media files

ASYCUDA Customs Transit	
Control en route	Conform
Identity of transport at departure	Date and time of control
5647TWF95	29/04/2005 10:55
Nationality of transport at departure	Place of control
FR	
Identity of transport at border	Comments
5647TWF95	
Nationality of transport at border	
CH	
Number of packages	
200	
Number of seals	T1 Registrat En route con
1	
Marks of seals	
jdhth	
te control Drivers & Seals	



Enhanced Technical Capabilities

- Integration of x-ray images into ASYCUDA Transit document.
- Opportunity to compare x-rays at the point of entry and point of departure.



Enhanced Technical Capabilities

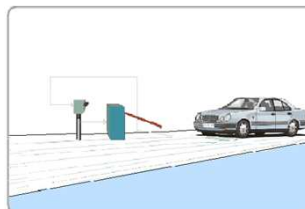
- Automatically generated e-mails and SMS when specific events take place (early warning system)





Enhanced Technical Capabilities

- **New functionalities provided by technology**
 - barcode readers
 - PDAs, portable devices
 - number plate recognition
 - automatic barriers



Conclusions

Key factors of efficient customs transit:

- **Legal framework**
- **Functions and procedures**
- **Secure guarantee system**
- **Efficient organizational structure**
- **Communication infrastructure**
- **Modern and efficient computerised system**