

ASYCUDA & Background

- Automated System for Customs Data: Technical Assistance Program of UNCTAD
- Created in the early 80's
- Four generations of ASYCUDA IT platforms
 - Ver1, Ver2, Ver3/A++, ASYCUDA World
- Operate over 90 Countries use 19 Languages
 - Bangladesh, Philippines, Cambodia, Vietnam, Sri Lanka, Nepal, Maldives, Fiji, Iran, Jordan, Syria, Lebanon, Albania, Malta, Romania, Latvia, Georgia, Barbados, Haiti, Cuba, Venezuela, Bolivia, Nicaragua, Panama, Honduras, Nigeria, Namibia, Cameroon, Tunisia, Zimbabwe etc.
- Process US\$500 billion worth of Import/Export per Year
- Process & Monitor 16 Million Transactions per Year

ASYCUDA in Bangladesh

- Live Operation Started in 1994 with Dhaka Customs House with ASYCUDA Version 2
- Chittagong Customs House in 1995
- Upgraded to y2k version [2.7] in 1999
- A++(v1.16f) implemented(ICD DCH CCH CEPZ BCH & Bond office) in 2002(UnixWare & Oracle 8)
 - Introduction of DTI which covers 60% - 70% of declarations
- A++(v1.18d) implemented in 2007(Linux & Oracle 10g)
 - Introduction of Electronic Data Interchange(EDI) – Interface with Datasoft B/E submission module in 2008

Customs Management Benefits

- Electronic processing of declarations
- Integrated tariff system
 - All taxes(CD,SD,VAT..) against Hscode
 - Implement tax benefits by Customs Procedure Code (CPC)
 - Implement historical multiple tax line
- Validation of Importer/Exporter, Agents,Exchange rates etc.
- Standard form(SAD) & ISO standard code
- Consolidation of all trade data for national fiscal policy
- Available of national trade data for other govt. & internal offices

Customs Benefits (cont...)

- Efficiency improvements on Import/Export clearance processing
- Transparency and better monitoring control
- Proper & accurate revenue collection
- Due to DTI introduction (Public-private partnership)
 - increased efficiencies, reduced costs and greatly improved service delivery
 - Scope for use of private resources(Operators,hardware etc.), by relieving Customs of necessary but unproductive work of data input
 - Facilitates trade and the achievement of organizational objectives, without compromising Customs controls

Traders Benefits

- Lodge export & bond import declarations using DTI
- Declarations can be viewed at any time and status(Assessed or paid) checked
- Lists of previous declarations can be prepared
- Declarations can be brought to screen and printed (or to become the basis of a new declaration).
- Quicker service for clients, with lower costs
- Freedom to work outside of Customs normal hours of business
- Reduced traveling, delays and queues at Customs
- Easy access to own declaration data held within the Customs computer

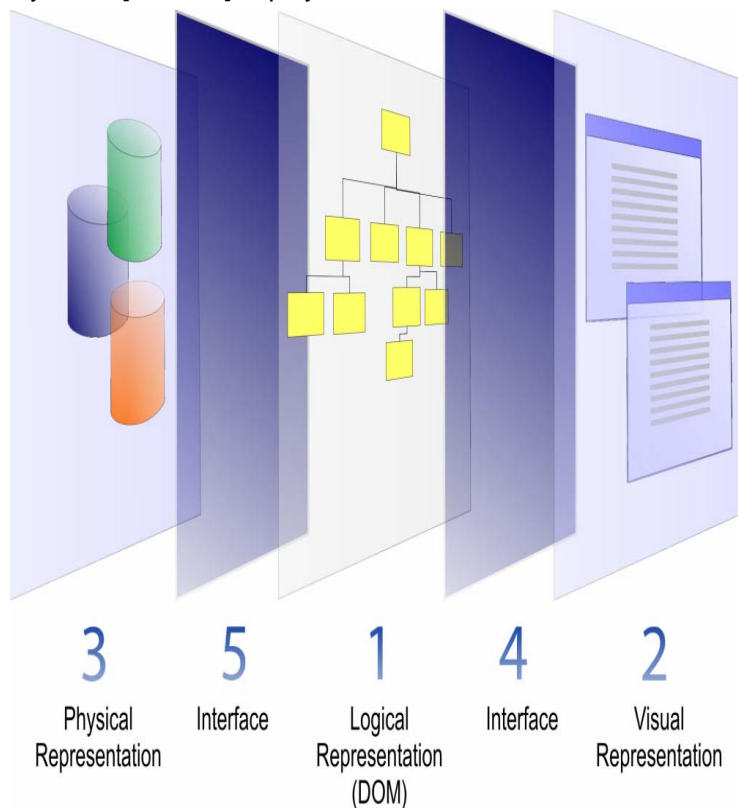
- Access to up-to-date trade related information
- The opportunity to integrate with own internal systems
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Rational for Implementing AW

- Bangladesh Customs has developed capability as using ASYCUDA since 1994
- To handle the huge volume of trade efficiently with latest technology of AW
- Controlled and maintained from a central setup resulting in less number of manpower and hardware requirements
- AsycudaWorld is a tested system as 23 countries are using presently for their Customs automation
- AsycudaWorld co-exists with and operates in the environment of ASYCUDA++, using the same databases and can be operated as a single IT system
- As trading community demanding Internet Based Custom System, so AW can fulfill the necessity

Technology of AW

- **JAVA** [OS independent: **LINUX, UNIX, Windows ...**]
- DB Independent [**Oracle, Informix, SQL Server ...**]
- State-of-the-art **security** model based on asymmetric cryptography, Public Key Infrastructure [PKI] and e-certificates
- **Internet** client-server *n*-tier model
- Support from high end to low end Internet clients
- Hierarchical Document Object Model [DOM, **XML ...**]
- Resilience to telecom breakdowns, mobile computing
- Dynamic [**no cost**] deployment



Advantage for Management

- ISO, UN, WCO and WTO standards based. Database designed in Compliance with the WCO Customs Data Model.
- Supports full e-Government
- Introduced biometric user authentication security and e-signature
- Controlled and maintained from a central setup resulting in less number of manpower requirements, while the peripheral offices (customs stations) are supported by a couple of technical professionals of relatively lower skill-level.

Advantage for Management (Contd...)

- Full risk-assessment and selectivity capability. New functions such as the integration of images or the use of barcodes are available, as well as the on line access to external databases.
- Accounting and statistical capabilities are increased. Development of Post-clearance audit capabilities.
- Valuation expert system compliant with GATT - Article 7. Includes an electronic customs value declaration.
- Undergoes a continual development which allows to have the latest updates at no cost
- Offer plug-in facility to third parties' systems developed under PPP

Technological Advantage of AW

- Supports data exchange through EDIFACT, XML
- 100% external to logic (included in the e-documents definition) Business rules oriented
- Electronic Goods Image Signature (EGIS) management
- Internet client-server n-tier, 100% Web-based
- Supports client platform with any devices (PCs, PDAs, Mobile Phones, Tablet PCs ...)

Components for Implementation

- Development of Communication Infrastructure.
- Capacity Building
- Customs Procedure Automation
- Link with other ministries, agencies, banks etc.
- Activate the proposed website
- Ports/Borders monitoring with web camera.
- Activate scanners (both container and baggage)

AW co-exists with and operates in the environment of A++, using the same databases; an operational Customs IT System based on A++ could integrate AW components, replacing partially/totally A++ module(s), or complementing an A++ function; A++ sites and AW sites could co-exist and co-operate within a single Customs IT System