UNECE/ UNESCAP Workshop on
Electronic Trade Documents

Ulaanbaatar, Mongolia,
October 2009
• Need for digital paper documents
• Developing Electronic documents for SW
• Using Digital Paper in Supply Chains
• Standards & tools to develop digital paper documents
Information technology in supply chains…

Information Technology/Logistics

process A

electronic documents

process B

paper documents
Moving from today’s paper documents

Information exchange in global trade is based on paper documents
Trade processes and practice are based on paper documents

To electronic documents:

Need the equivalent of a paper document in electronic format
Build on existing standards and int’ agreements
Complement the paper standards with electronic standard components
Documents with fallback option to paper
Trade Documents
Document Standards 3300 BC
### DDocs

1. Goods consigned from (Exporter’s business name, address, country)

2. Goods consigned to (Consignees name, address, country)

3. Means of transport and route(as far as known)
   - Departure date: 
   - Vessels Name/Aircraft ect: 
   - Port of Discharge: 

4. For Official Use
   - Preferential Treatment Given Under ASEAN Common Effective Preferential Tariff Scheme
   - Preferential Treatment Given Under ASEAN Industrial Cooperation Scheme
   - Preferential Treatment Not Given (Please state reasons/s)

5. Item number
6. Marks and numbers on packages
7. Number and type of packages, description of goods (including quantity where appropriate and HS number of the importing country)
8. Origin criterion (see Notes overleaf)
9. Gross weight or other quantity and value (FOB)
10. Number and date of invoices
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>DDocs</strong></td>
<td><strong>ASEAN CEPT FORM D</strong></td>
</tr>
<tr>
<td>1. Goods consigned from (Exporter's business name, address, country)</td>
<td>Reference No.</td>
</tr>
<tr>
<td>Bangbuatong Ladbualuang Rd., Nontaburi 11150 Thailand</td>
<td>ASEAN COMMON EFFECTIVE PREFERENTIAL TARIFF / ASEAN INDUSTRIAL COOPERATION SCHEME</td>
</tr>
<tr>
<td>Power Sirich Groupm, INC. 1211 RM, 411 Dagupan Street, TONDO Metro Manila Philippines</td>
<td>CERTIFICATE OF ORIGIN</td>
</tr>
<tr>
<td>2. Goods consigned to (Consignee's name, address, country)</td>
<td>(Combined Declaration and Certificate)</td>
</tr>
<tr>
<td></td>
<td>FORM D</td>
</tr>
<tr>
<td></td>
<td>Issued in Thailand [TH] (Country)</td>
</tr>
<tr>
<td></td>
<td>See Notes Overleaf</td>
</tr>
<tr>
<td>3. Means of transport and route (as far as known)</td>
<td>4. For Official Use</td>
</tr>
<tr>
<td>Departure date</td>
<td>□ Preferential Treatment Given Under ASEAN Common Effective Preferential Tariff Scheme</td>
</tr>
<tr>
<td>Vessels Name/Aircraft etc.</td>
<td>□ Preferential Treatment Given Under ASEAN Industrial Cooperation Scheme</td>
</tr>
<tr>
<td>North Manila</td>
<td>□ Preferential Treatment Not Given (Please state reasons/s)</td>
</tr>
<tr>
<td>Port of Discharge</td>
<td>Signature of Authorized Signatory of the Importing Country</td>
</tr>
<tr>
<td>5. Item number</td>
<td>6. Marks and numbers on packages</td>
</tr>
<tr>
<td>7. Number and type of packages, description of goods (including quantity where appropriate and HS number of the importing country)</td>
<td>8. Origin criterion (see Notes overleaf)</td>
</tr>
<tr>
<td>9. Gross weight or other quantity and value (FOB)</td>
<td>10. Number and date of invoices</td>
</tr>
</tbody>
</table>
DDocs

1. Goods consigned from (Exporter's business name, address, country)
   Bangbuatong Ladbualuang Rd.,
   Nontaburi 11150 Thailand

2. Goods consigned to (Consignees name, address, country)
   Power Sirich Groupm, INC.
   1211 RM, 411 Dagupan Street, TONDO
   Metro Manila Philippines

3. Means of transport and route (as far as known)
   Departure date: 29052006
   Vessels Name/Aircraft etc.: HYUNDAI CONCORD
   Port of Discharge: North Manila

4. For Official Use
   Preferential Trade
   Common Effect: Brunei Darussalam [BN]
   Preferential Trade
   Industrial Coop: Cambodia [KH]
   Lao People's Democratic
   Thailand [TH]
   Myanmar [MM]
   Philippines [PH]
   Singapore [SG]

5. Item number
6. Marke and
   numbers on packages
7. Number and type of packages, description of goods (including quantity where appropriate and HS number of the importing country)
8. Origin
   criterion (see Note
   overleaf)
9. Gross
   weight or other
   quantity and value (FOB)
10. Number and
date of invoices
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          <CityName languageID="">Nonthaburi 11150</CityName>
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          <CityName languageID="">Metro Manila</CityName>
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        </UsedTransportMeans>
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        </UnloadingLocation>
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      </MainCarriageTransportMovement>
    </TransportContractConsignement>
  </UNEDOCSrsr:CertificateOfOrigin>
Paper or electronic document?

EDIFACT/XML
Spreadsheet & proprietary formats
Internet forms
PDF
Fax
Scanned Document
Photocopy
Printed copy of original
Paper original
Classifying trade documents
Different levels of standardization & automation

Automation

Standardization

Paper documents aligned
Information based on semantic standards
Paper wrapped in electronic tools
Digital Paper
Single Electronic Window
DDocs Scenario I: Aligned Paper Documents; Documents travel with Goods..

Paper documents were aligned to int’ standards
Paper documents shipped with the goods (truck)

**Improvement**: Better documents, less documents less risk, efficient procedures,
DDocs Scenario II: Advance notice with paper original

Trader generates a PDF document which is emailed to Customs
A printout of the PDF document travels as original with the truck

Improvement: advance information, faster Customs processing.
Business process stays the same (paper based)
DDocs Scenario III
Electronic PDF Document with signature

Trader generates a PDF documents with digital signature

**Improvement:** PDF document has replaced paper; Documentary checks before truck arrives; reduced risk for authorities and trader
DDocs Scenario IV
Paperless trade

Trader generates a PDF document with XML component
Customs processes XML information

Improvement: Paper replaced by PDF/XML;
fully automated B2G eBusiness process
Digital Documents for Single Window: Steps

Digital Documents

Data Model

Documentation simplification

Business Process Analysis and Simplification

Internat’ Standards

EDIFACT Messages, CEFACT XML Messages

Core Component Library, WCO DM

UN Layout Key, Code Rec.

UMM, UML, Int’ agreements
Digital Documents for Single Window: Steps

Tools provided by the United Nations Network of Experts – UN NExt

- UN Toolkit II (Digital Document)
- Examples: in preparation
- Manual for aligned forms
- UN Toolkit I
- Forms Repository
- UN Business Process Analysis Handbook

Digital Documents

Data Model

Documentation simplification

Business Process Analysis and Simplification
Summary

- Standards and concepts for the migration from paper to electronic documents are now becoming available.
- Simplification of processes and documents is the first step towards automation.
- Trade Facilitation Solution = use of a standard + adaptation to the specific user requirements.
- UNECE and UNESCAP can provide tools to support the implementation of paperless trade.
Thank You

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