Business Process Analysis for Agriculture Supply Chains Improvement

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UNNExT Workshop on Promoting Cross-border Agricultural Trade for Sustainable Development

Quality--Food Safety--Sustainability--Business Processes—Markets







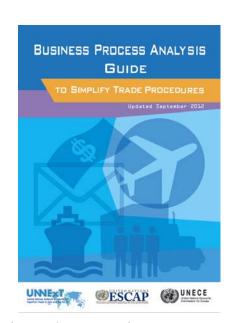


Objectives of this presentation

- To briefly introduce Business Process Analysis, a methodology for analyzing the "as-is" international supply chain processes, and proposing improvement recommendations [based on the UNNExt Business Process Analysis Guide to simplify trade procedures].
- To discuss some BPA case studies for agriculture supply chains improvement.

BPA guide and online course are available at unnext.unescap.org







Agenda

 BPA for Analyzing and Proposing International Supply Chain Improvement

 Introduction into Unified Modeling Language (UML) i.e. two types of diagrams: Use-Case Diagrams & Activity Diagrams

3. Three Phases of a BPA Project

4. Case Studies



What is a Business Process?

A Business Process is a collection of related and structured activities or tasks that produce a specific service or product.

Example

- Procedures of issuing Phytosanitary Certificates in Bangladesh
- Export procedures of garments from Dhaka,
 through port operations & customs clearance at Chittagong Port
- Import Customs clearance procedures at the border check point of Phuentsholing, Bhutan
- Import procedures and documentation of Lentils from Nepal, through Kakarvitta-Panitanki-Fulbari-Banglabandha borders, until the cargo arriving at Dhaka, Bangladesh.



What is a Business Process Analysis (BPA)?

A modeling and analysis of business processes for capturing "as-is" (current) conditions and proposing better "to-be" (target) business processes

For example, it may include...

- Documenting existing regulatory procedures in an agency
- Describing a "standard procedure," e.g. a common case
- Identifying related quantitative indicators, e.g. number of steps
- Collecting information about time and cost at different steps
- Providing a specification for simplification or automation of the process (to be implemented in the future)

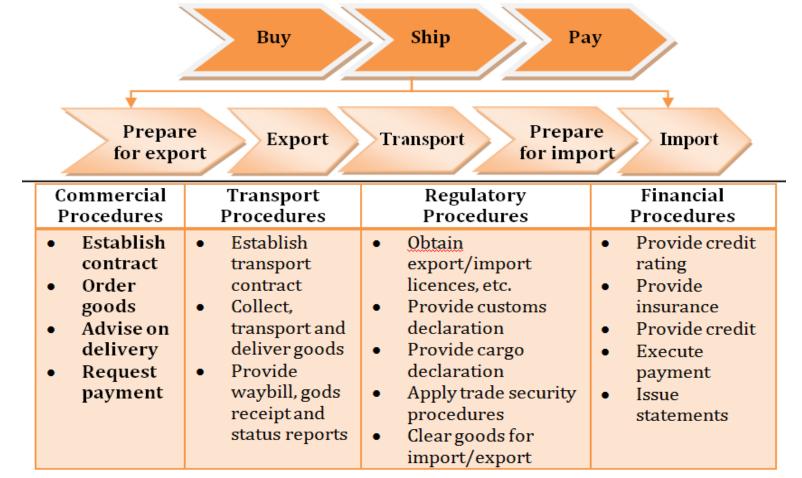


Applying BPA for International Supply Chain

Buy-Ship-Pay Model

BPA can be used to analyse for

- The international supply chain of trade facilitation, or
- A subset of these supply chain procedures





Rice Export BPA (Thailand)

(from purchase order until the cargo container leaving the sea port)

36 Documents involving 15 parties, and 1,140 data elements to be filled in

1. Proforma Invoice (35)

Commercial/

Transport

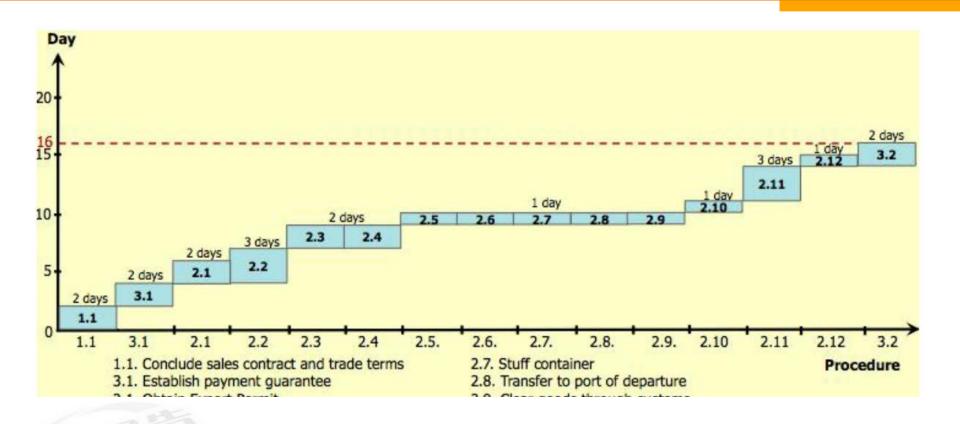
Docs

- 2. Purchase Order (39)
- Financial Docs
- **3.** Commercial Invoice (51)
- **4.** Application for Letter of Credit (24)
- **5.** Letter of Credit (32)
- 6. Packing List (25)
- 7. Cargo Insurance Application Form (20)
- **8. Cover Note (23)**
- 9. Insurance Policy (24)
- **10.Booking Request Form**
 - Border Crossing (25)
- 11.Booking Confirmation
 - Border Crossing (30)
- 12.Booking Request Form
 - Inland Transport (16)
- **13.Booking Confirmation**
 - Inland Transport (18)
- 14.Bill of Lading (42)
- 15.Empty Container Movement Request (TKT 305) (20)
- **16.Request for Port Entry (TKT 308.2) (27)**
- 17. Equipment Interchange Report (EIR) (24)
- 18. Container Loading List (28)
- 19.Container List Message (32)
- 20.Outward Container List (34)

- 21. Master Sea Cargo Manifest(17)
- 22. House Sea Cargo Manifest (37)
- 23. Export Declaration (114)
- **24.** Goods Transition Control List (27)
- **25.** Application for Permission to Export Rice (KP. 2) (24)
- 26. Sales Report (KP 3) (21) Regulatory Docs
- 27. Application for the Collection of the Permit for the Export of Rice (A. 3) (35)
- 28. Permit for the Export of Rice (A. 4) (35)
- 29. Application for Certificate of Standards of Product (MS. 13/1) (44)
- **30.** Certificate of Analysis (17)
- 31. Certificate of Product Standards (MS. 24/1) (45)
- **32.** Certificate of Fumigation (21)
- **33.** Application for Phytosanitary Certificate (PQ. 9) (29)
- **34.** Phytosanitary Certificate (33)
- **35.** Application for Certificate of Origin (42)
- **36.** Certificate of Origin (38)

^{*} Number in parenthesis is the no. of data elements

16 days are required for Thai Rice export process



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https://www.yunbaogao.cn/report/index/report?reportId=5 2095

