





ESCAP-ARTNET-ITD Trae Facilitation for Sustainable Development Workshop 2019 Bangkok, Thailand: 23 – 26 September 2019

Session 9.3 – BPA Formulating Recommendations for Enhancing Trade Facilitation

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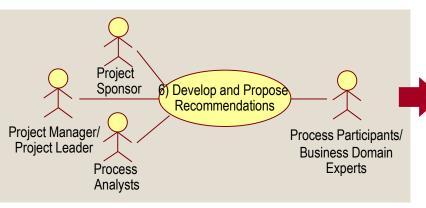
BPA Phases: How to conduct a BPA project

- Scope setting/Planning Specify a scope of processes to be analyzed
 - e.g. import and/or export processes of a specified product,
 through a certain mode of transportation (trucks, trains, ships or airplanes)...
 - e.g. planning staffs, tasks, time schedule, other resources to conduct this BPA project
- II. Data collection and process documentation Acquire information and document a sequence of steps in actual practices & their attributes, e.g
 - Who involved (stakeholders/actors)
 - Procedures and documents required (input to/output forms)
 - Related rules and regulations
 - Quantitative indicators, eg. no.of steps, time, cost, time, distance, ...
- Process analysis Locate bottlenecks, examine what causes them, and develop measurable and quantitative process indicators (e.g. the number of steps, time and costs required to fulfill those processes)

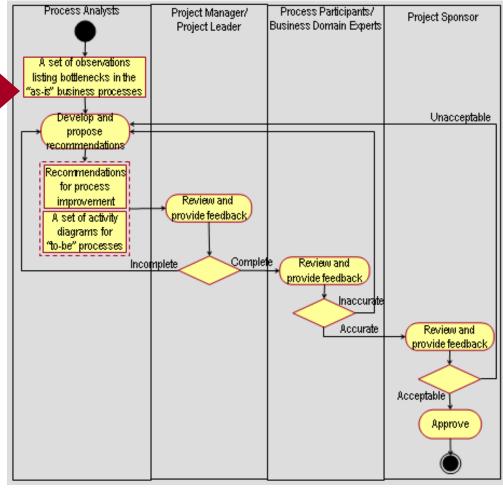
Recommendation development – Determine how to eliminate each bottleneck, propose and prioritize improvement actions



Developing and Proposing Recommendations for Improvement



Objective – To develop recommendations that help remove bottlenecks and inefficiencies in procedural and documentary requirements





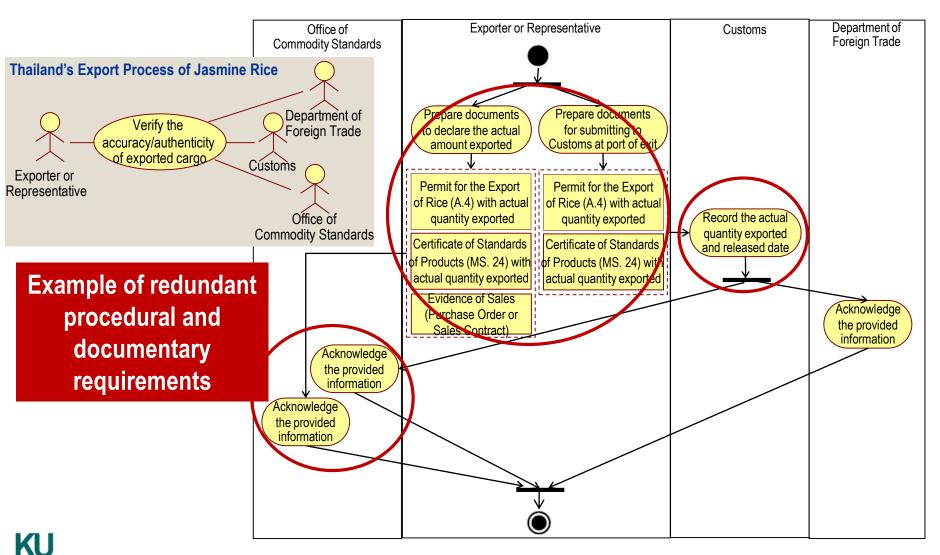
Business Process Simplification and Business Process Automation

Tips & Techniques

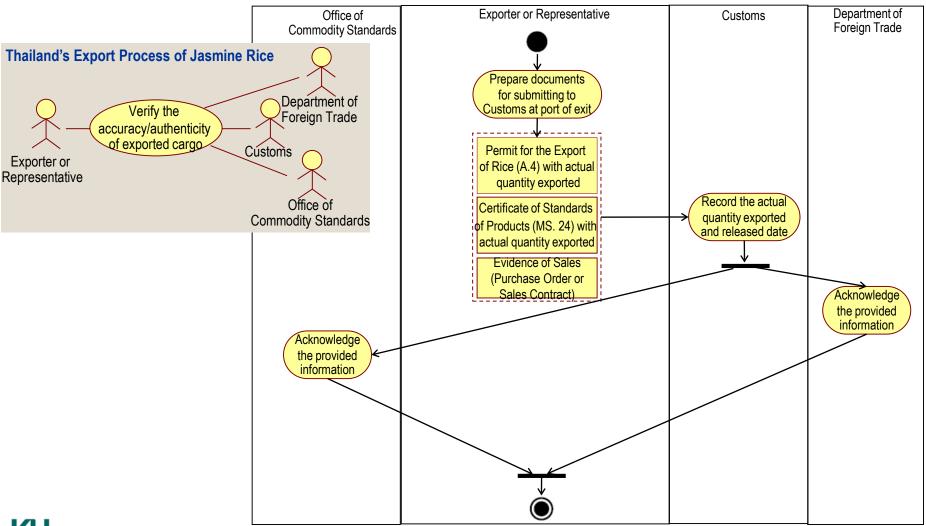
- 1. Make those procedures & document requirements transparent and easy for stakeholders to access to
- 2. Merge some procedures, and/or documents(forms)
- 3. Eliminate redundant procedures and unnecessary documentary requirements
- 4. Automate procedures and promote the sharing of trade and transport data among relevant stakeholders
- Modify related laws and regulations to facilitate the operation of the newly designed business processes
- Reform the regulatory-related organizational structures, etc....



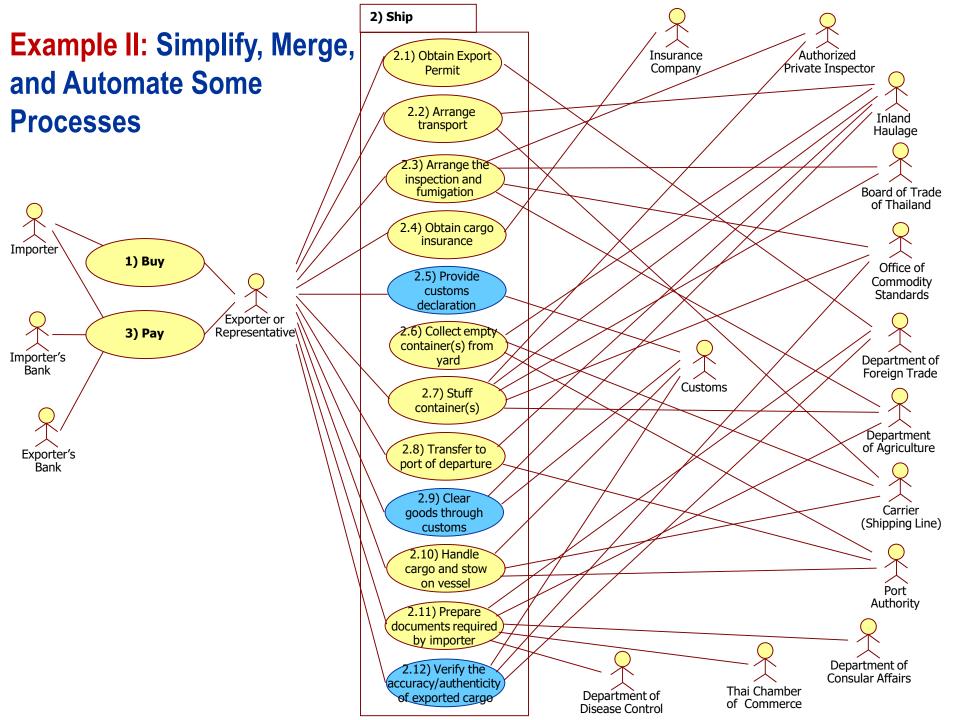
Example: Identify Bottlenecks and Redundancies



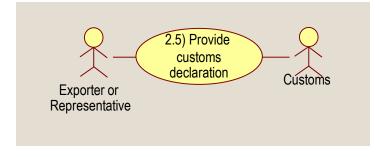
Example I: Remove Redundancies

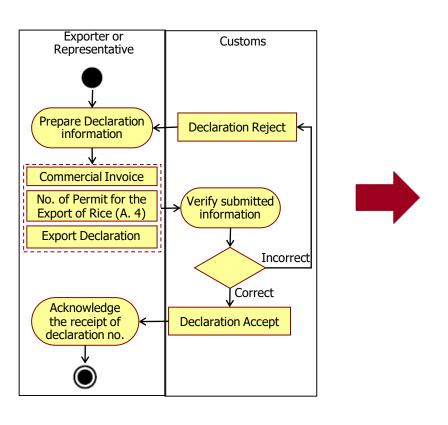


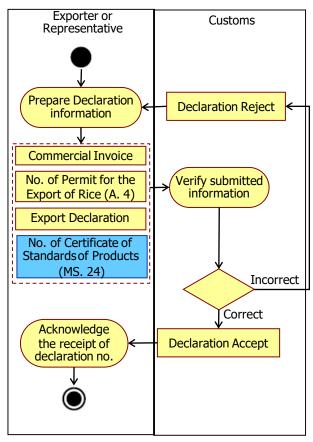




Example II: Simplify, Merge, and Automate Some Processes

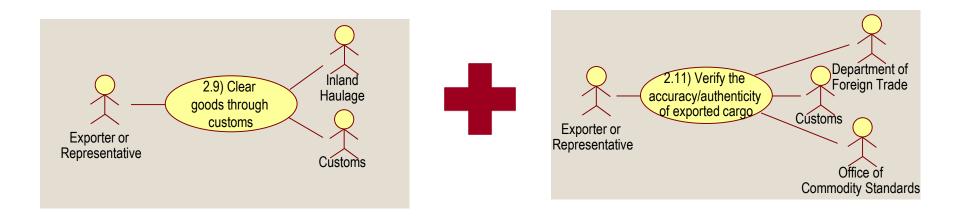




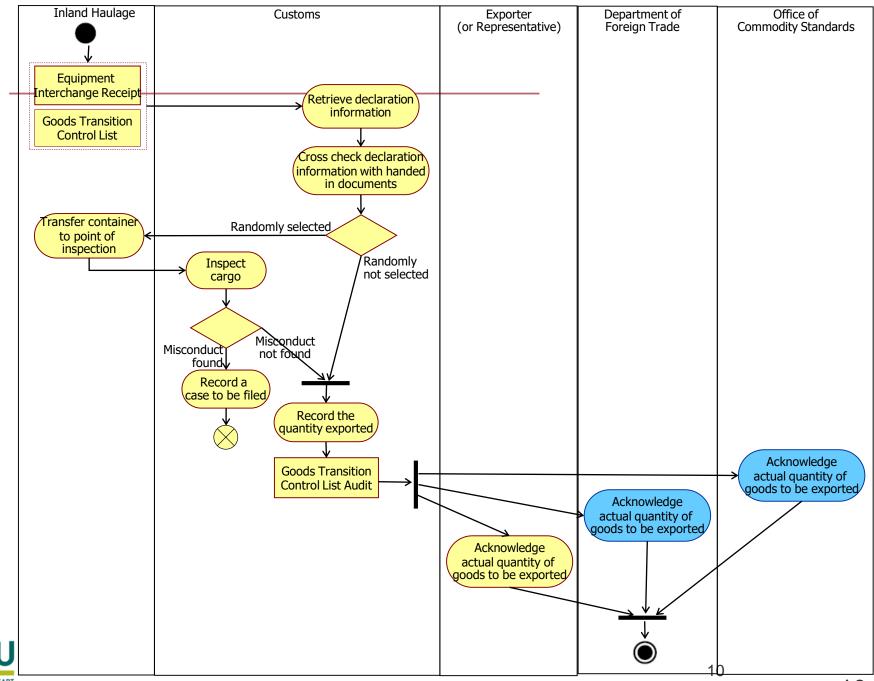




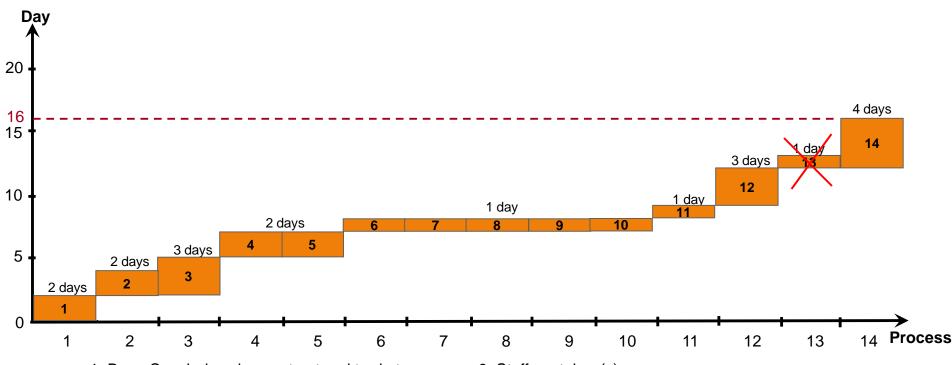
Example: Simplify, Merge, and Automate Some Processes







Example: Simplify, Merge, and Automate Some Processes



- 1. Buy Conclude sales contract and trade terms
- 2. Obtain export permit
- 3. Arrange transport
- 4. Arrange the inspection and fumigation
- 5. Obtain cargo insurance
- 6. Provide customs declaration
- 7. Collect empty container(s) from yard

- 8. Stuff container(s)
- 9. Transfer to port of departure
- 10. Clear goods through customs
- 11. Handle container at terminal and stow on vessel
- 12. Prepare documents required by importer
- 13. Verify the accuracy/authenticity of exported cargo
- 14. Pay Claim payment of goods



Business Process Analysis & Data Harmonization

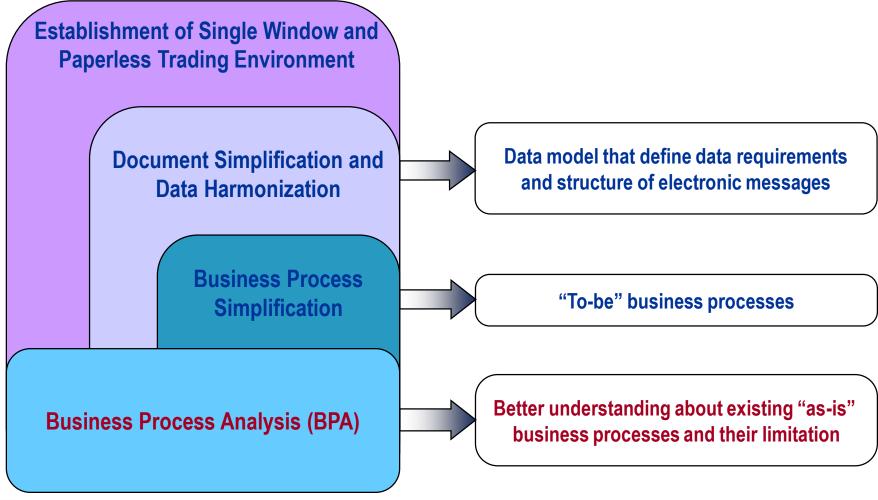
- Step 1: Capture business processes to identify documents in the information flow
 - UN/CEFACT Modeling Methodology (UMM)
 - Unified Modeling Language (UML)



- Step 2: Define each data element extracted from each document in terms of definition, data type, data format, and data constraints in actual operation
 - United Nations Trade Data Elements Directory
 - WCO Data Set
 - UN/CEFACT Core Component Library
- Step 3: Analyze data elements across various documents and organize them in a comparable manner
 - United Nations Layout Key (UNLK) Document Family
 - Single Consignment V.S. Multiple Consignments V.S. Transport Equipment
- Step 4: Map the data elements to the reference data model
 - Complies with UN/CEFACT Core Component Specification
 - Covers data requirements of the international supply chain



Business Process Analysis and Single Window Development





Group Exercise Identify bottlenecks and recommend improvement

- Discuss in your small groups, and be prepared to present your findings & recommendations
- Identify and analyze one or two bottlenecks in your activity diagram(s)
- Identify improvement opportunities
- Propose your improvement recommendations and new "To-Be" Activity Diagram for improvement (check also for political, technical, and financial feasibility,)



