

High-level Planning using a framework called SWIF [Single Window Implementation Framework]

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Objectives of this presentation

- To propose **a systematic framework** to guide us in transforming the **SW vision** into **reality**
(emphasizing here only on how to develop a SW high-level master plan)

The Vision & Goals

- **Vision:** Increasing national trade competitiveness by improving import/export/transit procedures and document transactions with **SW platform** as **an enabling tool**
- **Quantitative Goals:**
 - 25% better, faster, and cheaper in trading across borders* within 5 years**

** The quantitative numbers here are given just an example, which happens to be the vision among **21 APEC member economies for 2011-2015**.
(APEC = Asia and Pacific Economic Cooperation)

* Referring to World Bank's Index (www.doingbusiness.org)

"better" means better control, e.g. less fraud, less confusion, less number of steps, and better risk management.

"faster" means less numbers of days/hours for procedures and document handling,
and "cheaper" means less cost (both direct and indirect cost).

Why a systematic framework is needed? (for implementing or transforming the SW Vision into Reality)

Because there are so many complicated challenges to be managed such that the SW Vision could be transformed into reality.

Vision

e.g.
SW and
Trade
Facilitation
Vision

**25% better
faster,
cheaper
trading
across
border*
within
5 years
(2011-2015)**



Reality

**achieving
trade transaction
cost and time
reduction
goals**

* Referring to World Bank's Index (www.doingbusiness.org)

APEC = Asia Pacific Economic Cooperation

What is SWIF?

- SWIF* is an **architecture-based framework** for guiding the SW Planning and Implementation.
- SWIF adapts the concept of **enterprise architecture**** and **development methodology**** to describe an approach on how to
 - systematically derive the **SW strategic architecture**,
 - formulate its **master plan**, and
 - **Manage** the SW projects.

* Authored by Eveline van Stijn, Thayanan Phuaphanthong, Somnuk Keretho, Markus Pikart, Wout Hofman, and Yao-Hua Tan, **“Single Window Implementation Framework (SWIF),”** Free University Amsterdam, Kasetsart University Bangkok, UNECE and published as an EU-supported ITAIDE D5.0:4b deliverable.

** Adapted from The Open Group Enterprise Architecture Framework, called TOGAF-9, including its development methodology called ADM (Architecture Development Method).

Key Concepts and Guidelines within SWIF

(UNNExT Managerial Guide for SW Planning and Implementation – to be published)

1. **Visions & Goals Alignment** – how to formulate SW visions and goals, where possible with quantitative indicators, by aligning also with national and/or regional policy directions.
2. **An Evolutionary SW Roadmap in 5 Development Levels** recommended as a long-term SW development roadmap and as a reference model for
 - ❑ assessing the current or “as-is” condition of the country, and then
 - ❑ prioritizing for the next target or “to-be” SW environment (where the country may consider for the next phase of implementation).
3. **Decomposition** – how to systematically decompose & structure the SW implementation challenges into smaller and more manageable components (10 critical components are proposed).

Key Concepts and Guidelines within SWIF (cont)

4. **SW Development Cycle** – how to analyze the “as-is” or current conditions of those 10 components, and then how the “to-be” or future architectures (again of those 10 components) can be proposed and agreed.
5. **Viewpoints** – how to clearly visualize the concerned issues based on the interest of the target audiences (normally with diagrams and associated descriptions).
6. **Project Management Process in 5 practical phases** for preliminary and detailed analysis, planning and overseeing the SW projects.

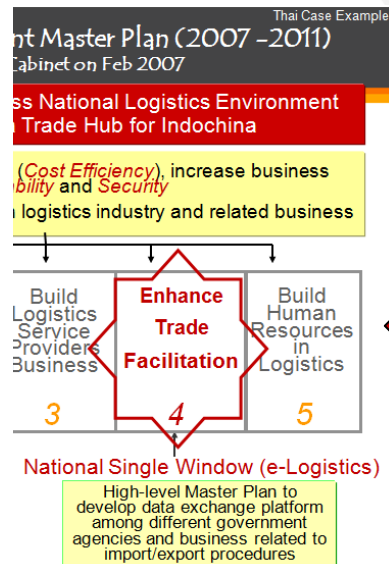


Vision & Goals Alignment

SW Vision, Goals and its Planning

be aligned and integrated as a part of the related national/regional development agenda

ion & SW agenda is holistically integrated within the National Logistics Development Plan



Vision & Goals Alignment with National and Regional Agenda

