

ESCAP-ADB Capacity Building Workshop on Single Window  
Implementation

# Logistics Automation for Global Supply Chain Management

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# Global Logistics SCM

- ❑ Ensure International Logistics Visibility
- ❑ Construct an effective and flexible system through new technology
- ❑ Maximize work efficiency as defining with standard business process



**Supports logistics activity against increasing global logistics traffic**

**Export/Import Cargo Information Linking for seamless logistics flow**

# Background

## International/Domestic Standard for Korean Logistics Information

### Logistics Information Linking and Standardization

Reflects international/domestic logistics changing environment  
Constructs a Standard Plan for Logistics Information`

#### Environment Changing

- Increase a Association Needs between business entities
- Needs High-Quality Logistics Service
- Request to integrate with u-Business service

#### Technical Changing

- Logistics Systemized Project under government leading in Korea
- Needs National Logistics Standard because of Heterogeneous system or data



# Logistics Environment Changing

- Diversification on Strategic goal
  - Simply inventory control → flexibility, green, customer orientation etc.
- Flexibility : establishment of risk supply chain management (NOKIA)
  - Fire in New Mexico → prompt product supply from overseas factories
  - > Increase Worldwide market share 27% to 30%
- Green : Reverse SCM (HP)
  - recall & re-producing center
  - Generate additional profit from resale a reproduced products
- Customer orientation : Need (McDonald)
  - moving toward to customer oriented from product
  - Mc café is not only low price policy but also quality for customer's preference

# BARRIER FACTORS TO IMPLEMENTATION

## ○ Structured problems

- Complicated network structure : coexist with existing system, EDI, telephone, email and etc.
- Difficulty on interconnection among systems

## ○ Severance & Security problems

- Severance and information gap on cargo movement and tracking
- Unpredictable delay and recovery on supply chain
- Insufficient on visibility and security

## ○ Resource management problems

- Resource waste : unpredictable activities such as additional charge and request on express delivering order



# Critical Issue

## ○ Working process

- overuse on paper and overtime from manual working process
- Human intervention on information sharing during interoperation among public sector

## ○ Technology

- different types of data and data transfer protocol (enable to interconnect)
- Coexist with difference data information system
- Lack of verification of meaning on biz process and data contents

## ○ Standardization

- unable to correspondence with global standard

od

n DATA

id utilizing by using common use forms

& Code, global mutual-application

tics Flow

integration based on u-IT

cost from capturing data with seamless logistics flow

Security

e cargo movement to meet with the standard

ment

预览已结束，完整报告链接和二维码如下：

[https://www.yunbaogao.cn/report/index/report?reportId=5\\_7646](https://www.yunbaogao.cn/report/index/report?reportId=5_7646)

