

Korea Logistics Information systems applied NEAL-NET Cooperation Mechanism

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Contents

1. Introduction

2. Logistics Systems in Korea

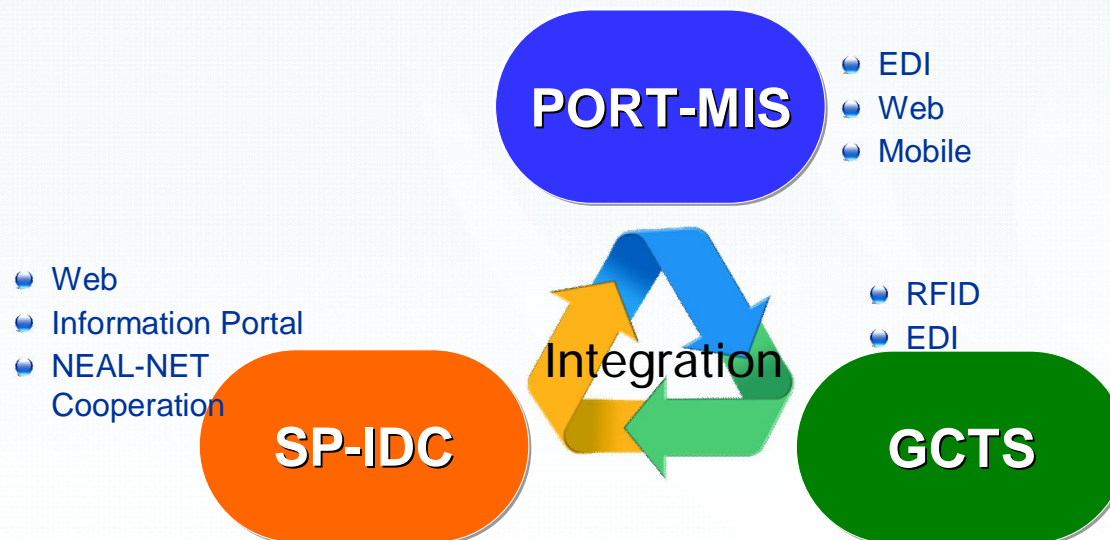
3. NEAL-NET Cooperation Scheme

1. INTRODUCTION

From early of '80's Korean Government has developed many logistics information system to improve logistics efficiency.

- Port
- Shipping
- Sea farer
- Inland
- Air
- Etc.
- Multi-Modal
- Safety & Security

Major Logistics Information Systems operated by Government



Ministry of Oceans and Fisheries(MOF)

1. INTRODUCTION

Basic Goal

Seamless global Logistics system

Provide Logistics
Statistics/Data

Improve logistics
Efficiency

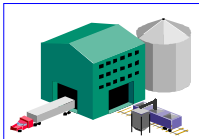
Secure logistics
Security

Build Infrastructures

Integration of Related information system

Supply Chain Visibility

Factory of
Manufacturer



Manufacturer

Information of
Container Trailers



Information of
Container Trailer

Information of
Logistics Node



Distribution
Node (ICD)

Productivity
Improvement
(Nonstop Gate)



Container Terminal
(Gate)

Productivity
Improvement
(RTLS Base Y/T Pooling)



Container Terminal
(Yard)

Tracking Information
of a Ship



Ship
(Marine Transportation)

Manufacturer

- Freight tracking
- Property management
- Efficient management of warehouses
- Home and foreign customs efficiency
- Notice of dangerous freights

Forwarder

- Trailer tracking
- Property management
- Notice of dangerous freights
- Information of Container Trailers

Shipping Company

- Container tracking
- Property management
- Efficient Management of containers
- Home and foreign customs efficiency
- Notice of dangerous cargo

Customs

- Integrated management of customs declaration
- Effective Operation of Quarantine
- Collaboration with public institutions

Terminal

- Automatic port management
- Container security service
- Container identification
- Efficient container yard planning
- Notice of dangerous freights

2. Logistics Systems in Korea

1. PORT-MIS

(Port Management Information System)

2. SP-IDC

(Shipping & Port Integrated Data Center)

3. GCTS

(Global Container Tracking System)

1. PORT-MIS

Overview

Port-MIS : Single Window for Port Authority & Government

- Covers all ports operation including management of vessel and cargo movement.
- Paperless job process through nationwide network linked with all ports utilizing electronic data interface/web/Mobile.

Main Functionality

Vessel Clearance

- Approval of Vessel Arrival/Departure Notice submitted by Shipping Line/Agent

Cargo Clearance

- Approval of Cargo/container Declaration submitted by customers

Billing

- Calculation of Port charges according to the tariff and issuance of Invoice to the customers

Facility Control

- Assignment of Berth for the vessel's position submitted by Shipping Line/Agent

Report System

- Allows the planner to collect statistics to build up future plan for port promotion and optimal use of port resources.

1. PORT-MIS

History

Initiated, designed, approved and in nation wide service by Korean Gov't

- By Korean government, this system was initially invented in order to speed up export/import clearance and vessel control back in 1994.
- Along with shipping companies and logistics related companies, Ministry of Oceans and Fisheries (MOF) formed a fund and founded KL-Net by the promotional law on export/import.
- In 1994, working on EDI (Electronic Data Interface) system. kicking off the EDI service.
- In 1996, MOF launched development plan for Port-MIS, utilizing EDI system, Nationwide Port-MIS operation in full scale, connecting Port-MIS all the ports in Korea, covering all terminals, Port Authorities and local gov't offices.
- Full connectivity with Customs, Immigration and Quarantine offices, one electronic document submission gives instant approval/disapproval to applicant.
- Under the national brand name “Yes! u-Port”, MOF promotes the system to overseas.
- The one and only Single Window system in nationwide service .

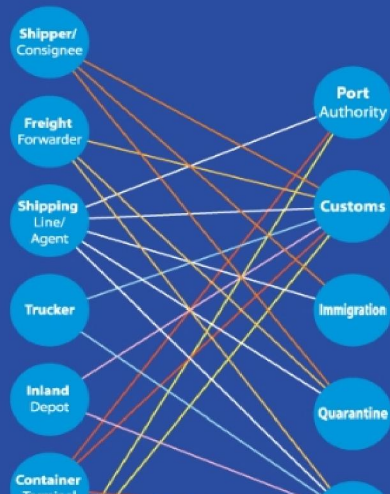
1. PORT-MIS

● Concept

Why Port-MIS and Electronic Process ?

Before

- > Duplicated & inefficient
- > Inaccurate information



After

- > Simplified and easy to access



- Single submission. Trip to the offices are reduced as much as 95% with 97% less paper documents
- Full visibility : PA's and Gov't have full and instant access to local terminals and ports.
- Integrated service among PA, customs, immigration and quarantine and other related government authorities.
- Perfectly complies to 'Green Port' by speeding up vessel in/out and much

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_7032

