

Cross-border information exchange in transport corridors

CTTIC LOGINK, P.R. China
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OUTLINE

About NEAL-NET - LOGINK

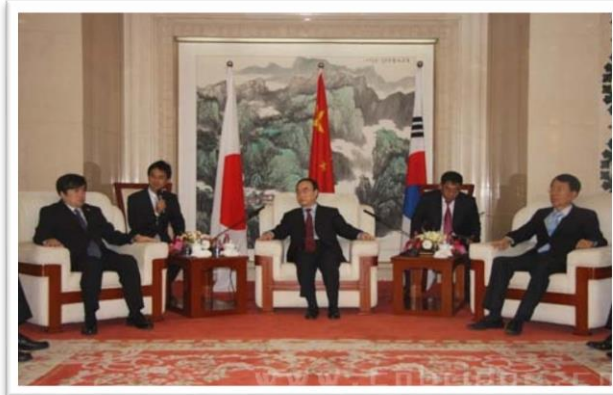
Services

International Cooperation

Proposals on the NEAL-NET-GTI Cooperation



International Cooperation : NEAL-NET



- **Northeast Asia Logistics Information Service Network (NEAL-NET)** was established in 2010, which is a regional cooperative mechanism promoted by China-Japan-Korea Ministerial Conference on Transport and Logistics.
- NEAL-NET is the first international, non-profit cooperative mechanism specialized in promoting logistics information cooperation, aiming at facilitating regional economy, transportation and trade.



International Cooperation

Officially assigned by the government of three countries, NEAL-NET is jointly constructed and operated by :



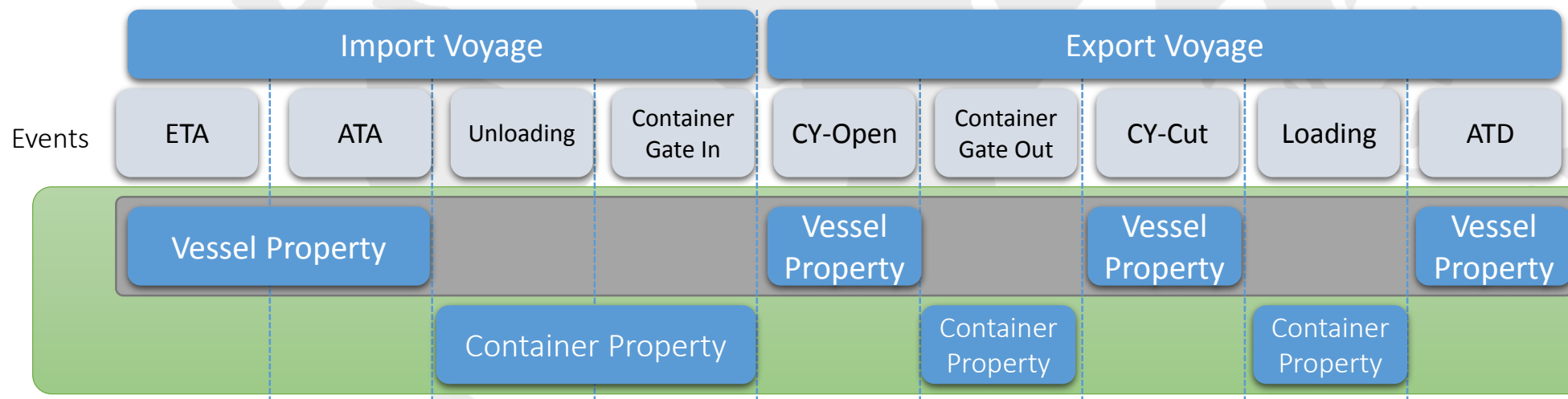
Objectives of NEAL-NET:

- To perform researches on logistics information sharing standards and define standards.
- To promote implementation of logistics information sharing standards.
- To facilitate cooperative development of transportation and trade.



Container Vessel Status and Container Status Sharing Standard

- Define Container Vessel Status and Container Status Sharing Information Sharing Standards
- Following events are enclosed:
 - Vessel Standard: ETA, ATA, CY-Open, CY-Cut, ETD, ATD
 - Container Standard: Loading, Unloading, Container Gate Out, Container Gate In, Clearance Status



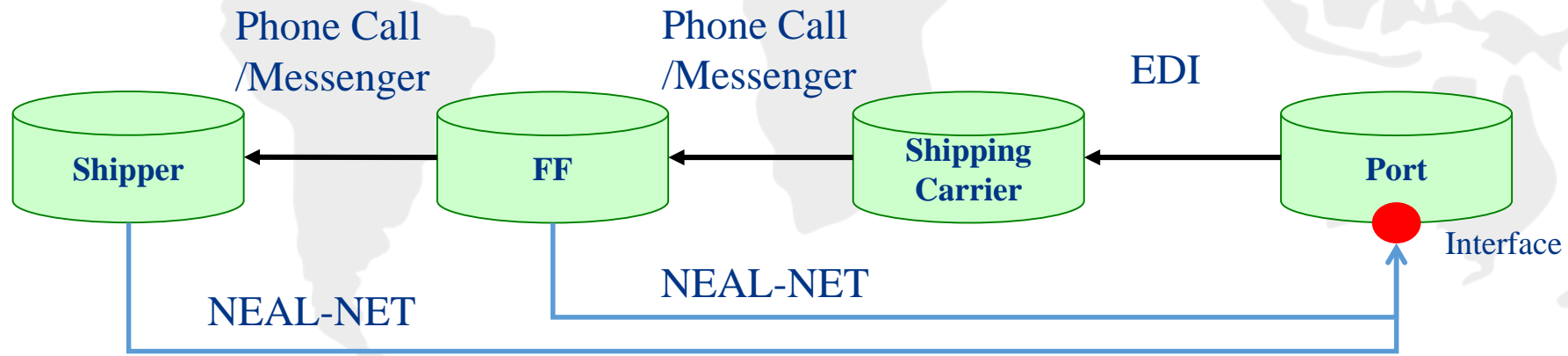
International Cooperation : NEAL-NET

- By August 2019, information interconnection of vessels at 26 ports and that of containers at 16 ports of the three countries has been achieved. User Queries are more than 170 thousands times per day.
- “*The Containers and Vessels Information Interconnection & Sharing Standard*” and “*Container Status Information Sharing Standard*” jointly developed by C-J-K have been globally released.



International Cooperation : NEAL-NET

- NEAL-NET changed the layer to layer logistics status information sharing mode into direct sharing, improved transparency and efficiency of information transfer.
- NEAL-NET enables efficient status information collecting from different transport modal and different players.
- Logistics enterprise information system could use NEAL-NET interface to import logistics data automatically, which greatly reduce information transcription cost, helps enterprise to improve business analysis and operation control ability.





International Cooperation: Europe

- Cooperated with **International Port Community System Association (IPCSA)** , LOGINK is working with international ports and logistics information service providers in **Europe** .
- Completed interface connection (dynamic vessel status & container status) with Abu Dhabi port, Barcelona port.
- Cooperation with the following ports are in progress: Antwerp (Belgium), Haifa (Israel), Rotterdam (Netherlands), Hamburg and Bremen (Germany).



International Cooperation : Developing ISO Logistics Visibility Information Sharing Standard



- In 2018, **LOGINK**, **IPCSA** and **Alibaba Group** established the **Logistics Visibility Task Force** to address the current problems in cross-border logistics information sharing and end-to-end visualization of logistics information.
- Integrating LOGINK's experiences gained from NEAL-NET, logistics information visibility network applied for 13 European ports and the actual needs of customers (such as Alibaba) , a standard architecture of information visualization exchange system among logistics information service providers was established and the *“Visual Information Exchange Standard between Logistics Information Service Providers”* was developed and will be submitted to **ISO** for consideration.



International Cooperation : Logistics Visibility Task Force-Pilot Project



LOGINK
国家交通运输物流公共信息平台

Pilot Project is ongoing, expected achievements are:

- Establishment of a LISS (Logistics Information Service System) network using API method.
- Evaluation results on the quality and business value of data services to Alibaba Cainiao network(User).
- Output of Task Force LISS network specifications based on the technical solution of the pilot project.

Basic services provided
by LISS Network

Event
Status Data
Service

Query &
Subscription
Service

App, Web
Access and
API

Index
Service to
Provider



Proposals on the LOGINK-GTI Cooperation

To carry out **logistics information sharing cooperation**, explore the demands for trans-modal transportation information sharing in North Asian, improve efficiency of cross-border transportation trade.

To **cooperate in standards setting for transport and logistics industry**, share the relevant experiences, such as NEAL-NET, aiming at the development of a standard cross-border information interchange system for supply chain.

To broadly **expand the application of logistics information exchange service**, promote interconnection between regional/national information systems, improve service quality.



Proposals on the NEAL-NET-GTI Cooperation



Proposal launch Pilot Project:
Logistics information
interchange Project between
NEAL-NET and Great Tumen
region Port (Vladivostok、
Vostochny)

- Vladivostok and Vostochny container management system interface modification using NEAL-NET standards.
- Interchange and share dynamic container vessel status & dynamic container status with NEAL-NET



THANK YOU !

