Cyber Port Overview

April 2024

Cyber Port (Port Logistics) Administrator

Ver.2.2.8

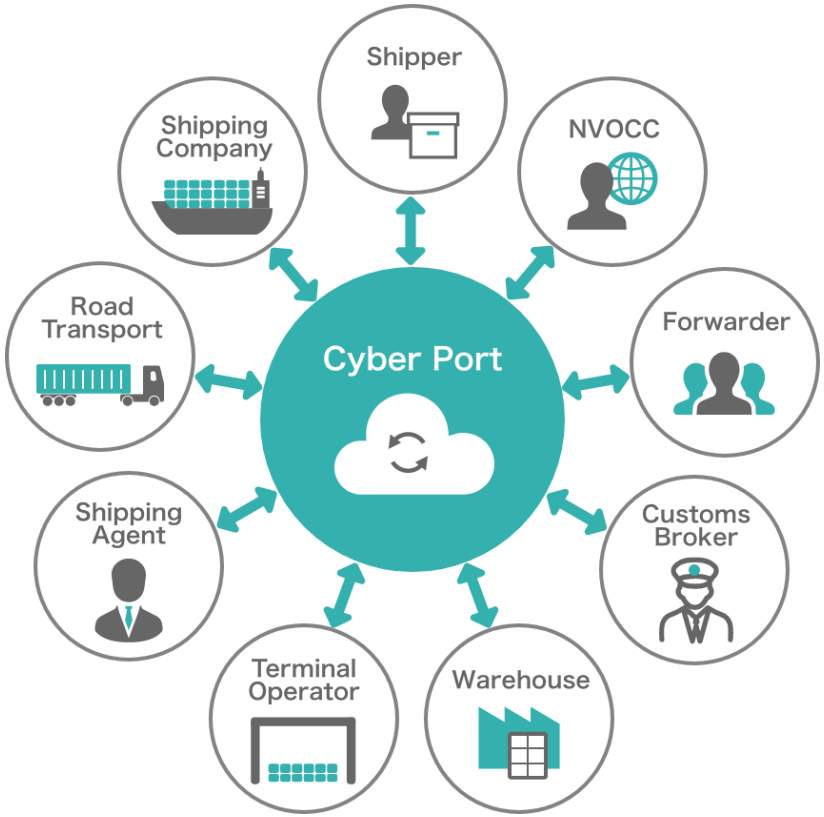
What is Cyber Port?

Overviwe Explanation

Subject procedure	Container distribution procedures between private companies
Target operator	Shipper/Consignee, Ocean Shipping Company, Coastal Feeder Transport Company, NVOCC/International Freight Forwarder, Forwarder, Customs Broker, Terminal Operator, Road Transport Operator, Warehouse Operator, Shipping Agent, Vgm Notification Member, Vgm Registration Member
Key Features	✓ Creating forms, sharing information with business partners, and requesting procedures ✓ Automatic linkage of common data items between documents ✓ Message function, notification function (mail), history check function ✓ NACCS linkage function (registration, inquiry, and calling of NACCS can be performed from CP)
Usage method	➢ Using the Browser (GUI) ➢ API cooperation with in-house systems
Operation	Began operation in April 2021
Usage fee	Until March 2026: Free From April 2026: 6,600 yen/(month/company)

Concept

Overall optimization by connecting all parties involved in port logistics



Japan's Logistics Industry
Current Situation and Vision

Japan's Logistics Industry Social Issues

Low labor productivity compared to other countries

・Labor productivity level in transport and postal services is 43.1. (In 2017. With U.S. level as 100)*1
・Labor productivity in major countries fell from 8th to 14th in 20 years. (1997→2017) *1

Digitization delay

・About 50% of container logistics procedures are paper, telephone, e-mail etc. *2
・Telework implementation rate of 3.5% for shipping, warehouse management and logistics.*3

Labor shortage

・Transport and postal services labor shortage 53% (Total Industry Survey: 41%) *4
・Ratio of job offers to applicants: 4.23 for ports : 3.08 for automobile drivers (1.47 for all industries) *5

Carbon neutral SDG compliance

・68% of shippers responded that they would consider social issues (SDGs) when selecting logistics companies*6

Others, Increased logistics costs, problems in 2024, etc.

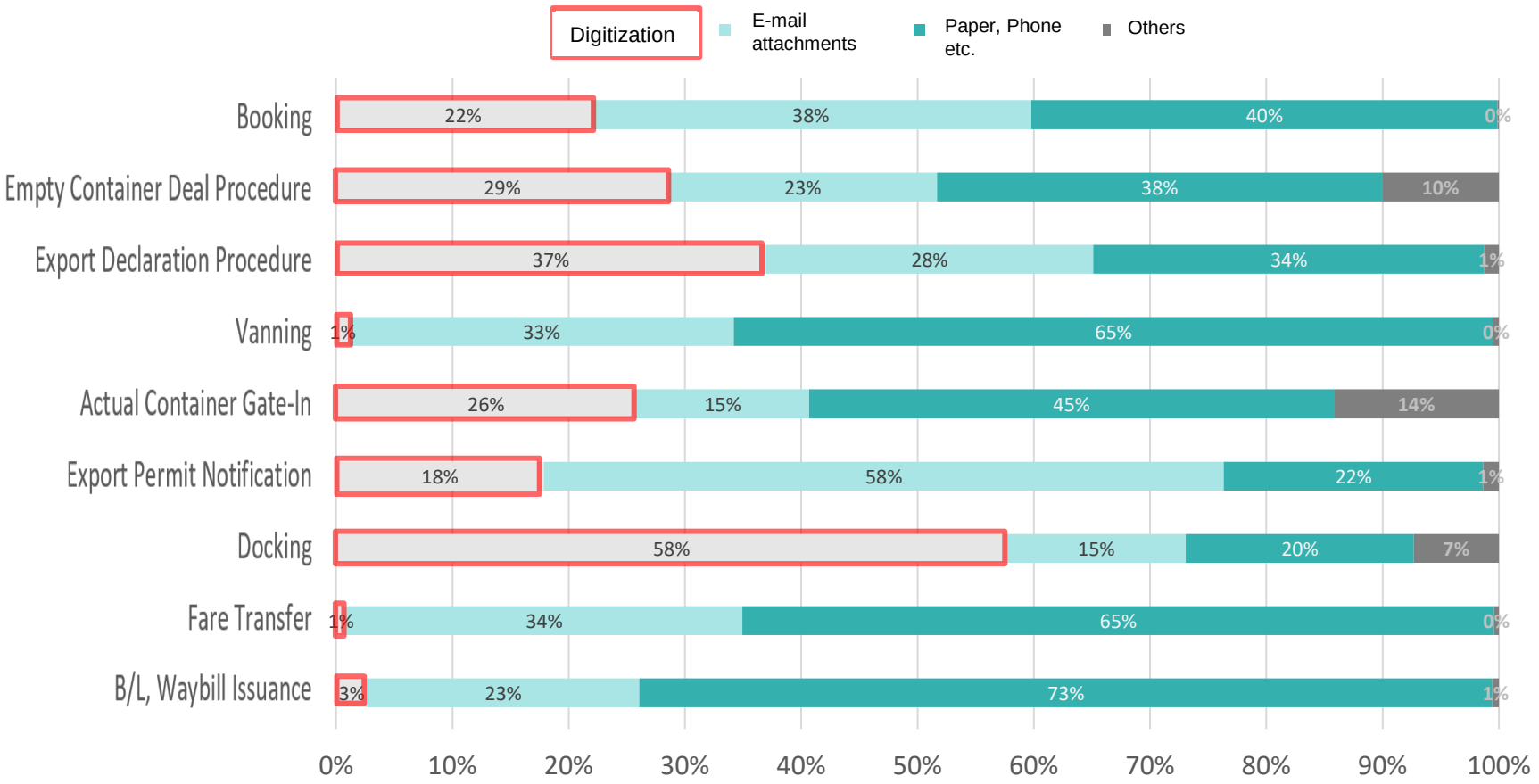
・Soaring ocean freight costs
・From April 2024, the overtime work limit for automobile drivers was introduced

(Source)
*1 Miho Takizawa (Japan Productivity Center), "International Comparison of Labor Productivity Levels by Industry: Comparison with the United States and European Countries“ (April 2020)
*2 Business questionnaire survey conducted by the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) (2018)
*3 Persol Research and Consulting “Seventh Survey on the Impact of COVID-19 Countermeasures on Telework” (August 2022)
*4 Ministry of Health, Labour and Welfare, "Labor Force Economic Trends Survey," Regular employees and other workers (August 2022)
*5 Ministry of Land, Infrastructure, Transport and Tourism (MLIT) "Port Worker Shortage Survey“ (July 2022)
*6 Japan Institute of Logistics Systems “FY2021 Logistics Cost Survey Report” (April 2022)

Challenges in Container Logistics Procedure①

Although some operations are being digitized, the percentage of E-mail attachments, paper, phone calls, etc. is high. Overall, digitization is not in progress

✓ Information transmission method by business (Export: From booking to B/L issuance)



(Source)
Created based on the questionnaire survey results for business operators (N = 239 companies) (2018)

Challenges in Container Logistics Procedure②

Even with similar procedures, documents forms and necessary information items differ from company to company. So it is time-consuming that it is necessary to respond to individual clients

- ✓ Example: Differences in empty container pick up order formats

空コンテナ　ピックアップオーダー

□東京　□横浜
□新規　□訂正　□キャンセル　（ピックアップ地にチェックを入れてください）□大阪　□神戸

BOOKING No.	
VESSEL NAME	VOY No.
SHIPPER	
オーダー申込者連絡先	会社名 / ご担当者
積地	
陸揚港(T/S港)	
最終仕向け地	

コンテナタイプ	コンテナサイズ	本
DRY	20 (D2)	
	40(8'6") (D4)	
	40HC (D5)	
REEFER	20 (R2)	
	40HC (R5)	
設定温度	□ プラス / □ マイナス	
ベンチレーション	CLOSE /	
CA REEFER	O₂ : ％	
品名		
荷姿		
搬出日		
バンニング場所	名称：	
運送会社		

○○
（FAX : XXXX or XXXXX）
PICK UP ORDER

申込種別	新規		訂正		キャンセル
本船名			V一No.		CY OPEN / CUT /
BOOKING NO.					
荷主					
乙仲業者				TEL	
担当者				FAX	
DRAY会社					
積地	東京 / 横浜				
陸揚港			仕向地		
品名			荷姿		
VAN詰場所					
A.搬出場所	・その他（ ）		B.実入搬入場所		・○○ ・○○ ・○○ ・その他（ ）
搬出日	サイズ	タイプ	本数	搬入日	REMARKS
/				/	

- ✓ Example: Differences in the information items in bookings

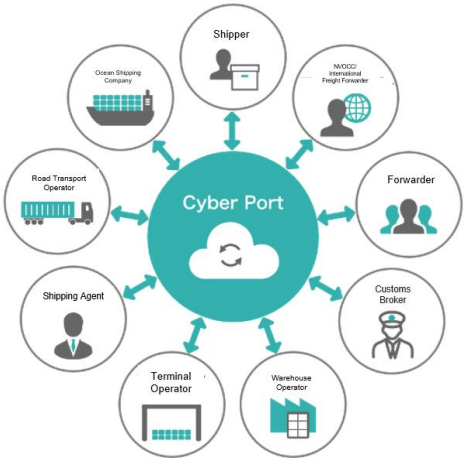
No.	BOOKING FORMAT			Sample1	Sample2	Sample3
1	Booking Party (Initiator)	Conpany Name	荷主	●	●	
2		In Charge	担当	●	●	
3		TEL/FAX	電話／FAX	●	●	
4		E-Mail	メールアドレス	●	●	
5		BL Shipper	B/L記載にShipper	●		●
6		Actual Shipper/NAC	実際の荷送人	●		
7		Forwader	フォワーダー	●	●	
8		Consigne(FOB)	運賃契約者	●		●
9		NOTIFY PARTY				●
10		Commodity	商品	●	●	●
11		Carrier	運搬者			●
12		CNTR Pick Place	空コンピック地名	●		
13		Place of Receipt	荷受地	●	●	●
14		DOC/CY CUT				●
15		Service Type	CY/CFSS/Door	●	●	
16		Loading Port	荷積港	●	●	●
17		ETD	本船出発見込日			●
18		Tranship as (via)				●
19		ETAD				●
20		Discharging Port	荷卸港	●	●	●
21		ETA	本船到着見込日			●
22		Place of Delivery	荷渡し地	●	●	●
23		ETA				●
24		Booking No.				●
25		Service Mode	Port/Port , Port/Rail Ramp , Port/Door	●		
26		Payment Terms	Prepaid / Collect		●	
27		Freight psyment	貨物支払	●		
28		Contact No	支払番号	●	●	
29		US Filer	支払済／未	●		
30		CA Filer				
31		Vessel	船名	●	●	●
32		Voyage Number	航路	●	●	●
33		2nd Vessel				●
34		2nd Voyage Number				●
35		ETA-D	本船入港予定日	●	●	
36	FCL DRY/Reefer AS DRY(RAD)	20' DRY	コンテナサイズ／種類	●	●	●
37		20' RAD		●	●	●
38		20' TK		●	●	●
39		40' DRY		●	●	●
40		40' HC		●	●	●
41		40' RAD		●	●	●
42		40' TK		●	●	●
43	LCL	M3	容量	●		
44		Total Gross Weight	重量		●	
45		Reefer Container				
46		Out Gauge				
47		Special Handling			●	
48		Previous Booking No.	事前ブッキング番号	●	●	
49		Booking No	ブッキング番号	●		●
50		MBL No.				●
51		Reamrks	備考	●	●	

We regard container logistics procedures as a cooperative area and aim to improve productivity through "optimization and sophistication of the entire container logistics process" instead of "partial optimization" of each entity.

Initiative

- ✓ Commonize different information linkage methods and procedures among private businesses
- ✓ Collecting various types of big data surrounding ports and harbors and utilize them for port policy and for operation of private businesses

→In order to achieve the above, a data platform "Cyber Port" has been established that can be utilized by all port-related businesses, while ensuring the necessary security and confidentiality of information



Effects

Contributes to solving social issues in addition to improving productivity in container logistics

- ✓ Reducing labor shortages by reducing working hours
- ✓ Reduction of CO2 emissions and contribution to the SDGs through paperless logistics, elimination of congestion in front of container terminal, gates, etc.

Cyber Port Overview

Cyber Port Overview

A data platform that improves operational efficiency and productivity by digitizing and sharing container logistics procedures among private businesses. The first operation started in April 2021

Current image of information transmission among businesses

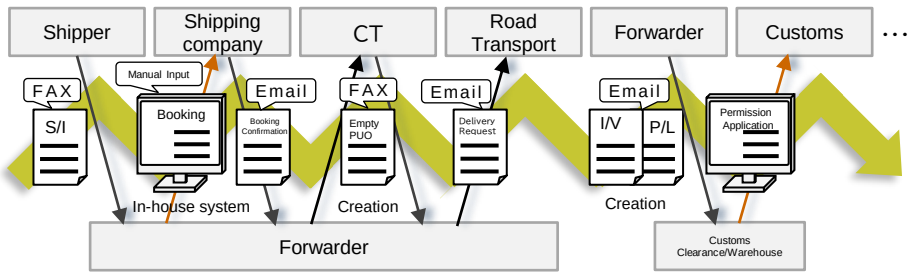
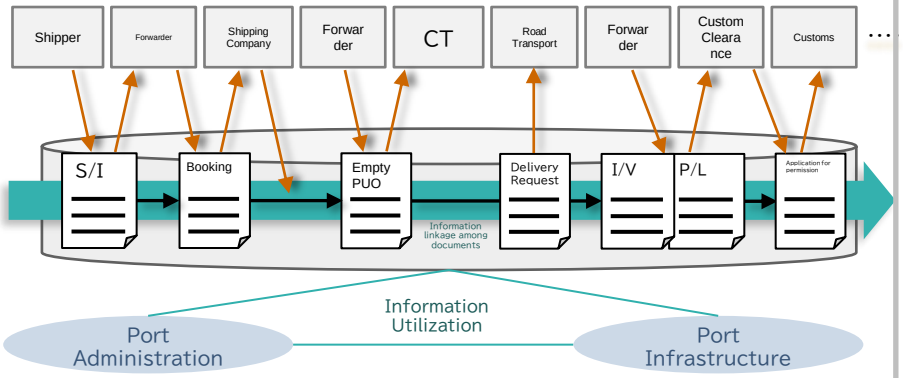


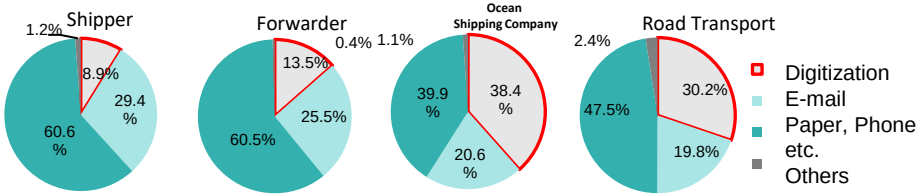
Image of information transmission among businesses using Cyber Port



【 Current Challenges of Information Transmission 】

- Re-entry/verification task due to transmission of paper information
- Inquiries due to imperfections in traceability
  ⇒ Causes increase in potential cost
- Incomplete document descriptions, etc.
  ⇒ Causes delay

Information transmission by industry



【Short-term Effectiveness of Data Linkage】

- **Reduce re-input/verification task through data linkage**
- **Smooth status confirmation** by ensuring traceability

【Long-term Effectiveness of Information Utilization】

- Strategic port policy planning based on data analysis (state, etc.) (Efficient asset management for planning, maintenance and management of port facilities, etc.)
- Creation of new services by utilizing accumulated information and AI, etc. (private businesses, etc.)

▶▶ **Improving the productivity of the entire container logistics process and strengthening international competitiveness.**

Time Reduction Effectiveness by Using Cyber Port

Demonstration project confirms up to 60% reduction in logistics procedure time

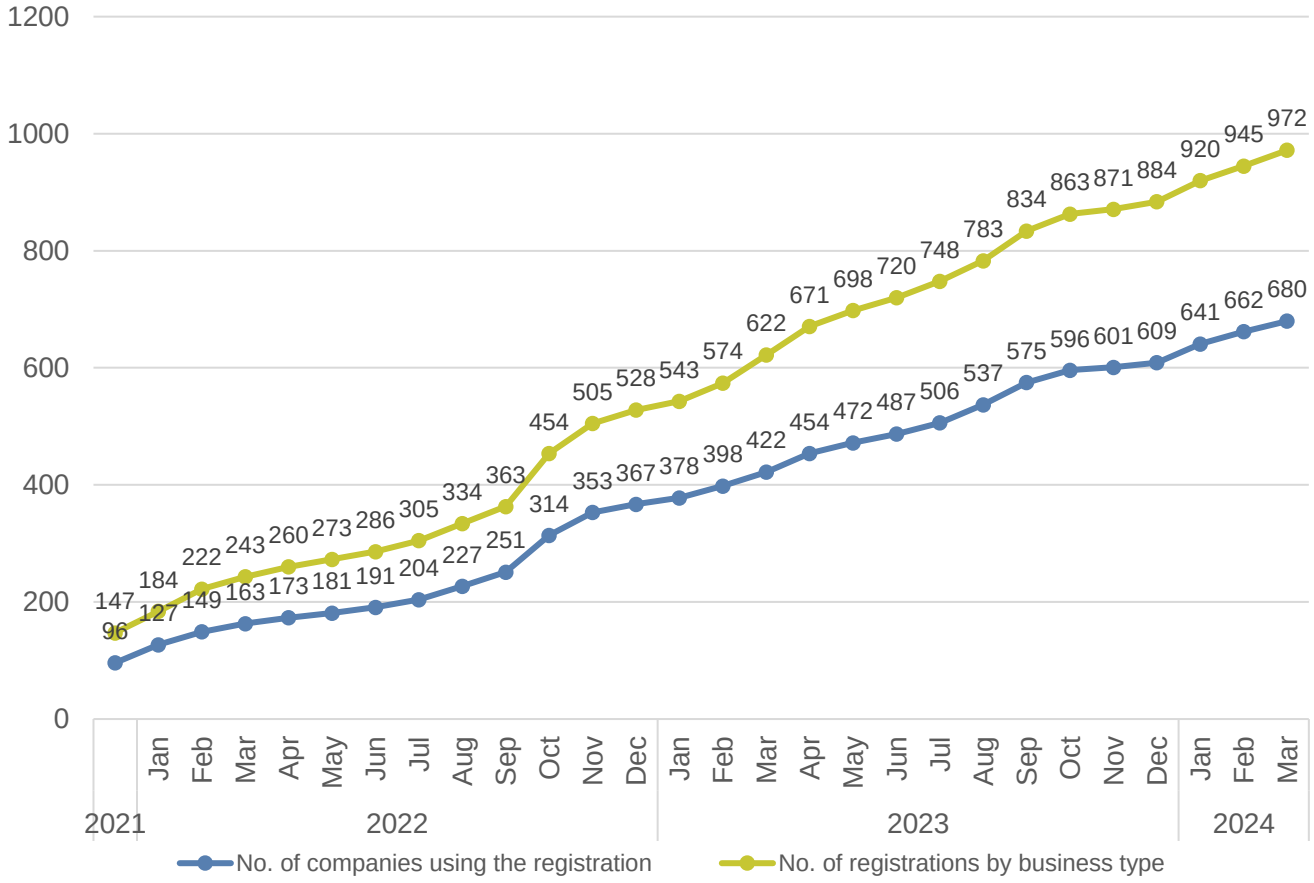
Time Reduction Effects of Port Logistics Procedures* for businesses with API Linkage

	A company	B company	C company	D company	E company	F company	G company
Industry	Forwarder	Terminal	NVOCC	Forwarder/ Terminal	Terminal	NVOCC	Terminal
Main Verification Target Reports	Shipping Instructions Import Instructions	Empty Container PickUp Orders Delivery Instructions Delivery Notes	Arrival Notices	Booking Requests Booking Confirmations Empty Container PickUp Orders Container Gate-in Slips	Empty Container PickUp Orders Container Lists Cy Dispatch Orders	Shipping Instructions Bill of Ladings	Empty Container PickUp Orders Delivery Instructions

*Creation and transmission of documents, data retrieval and re-entry, inquiries, etc.

Cyber Port Usage Registration Status

Cyber Port is widely used by many businesses
It is currently installed in 680 companies as of April 1, 2024



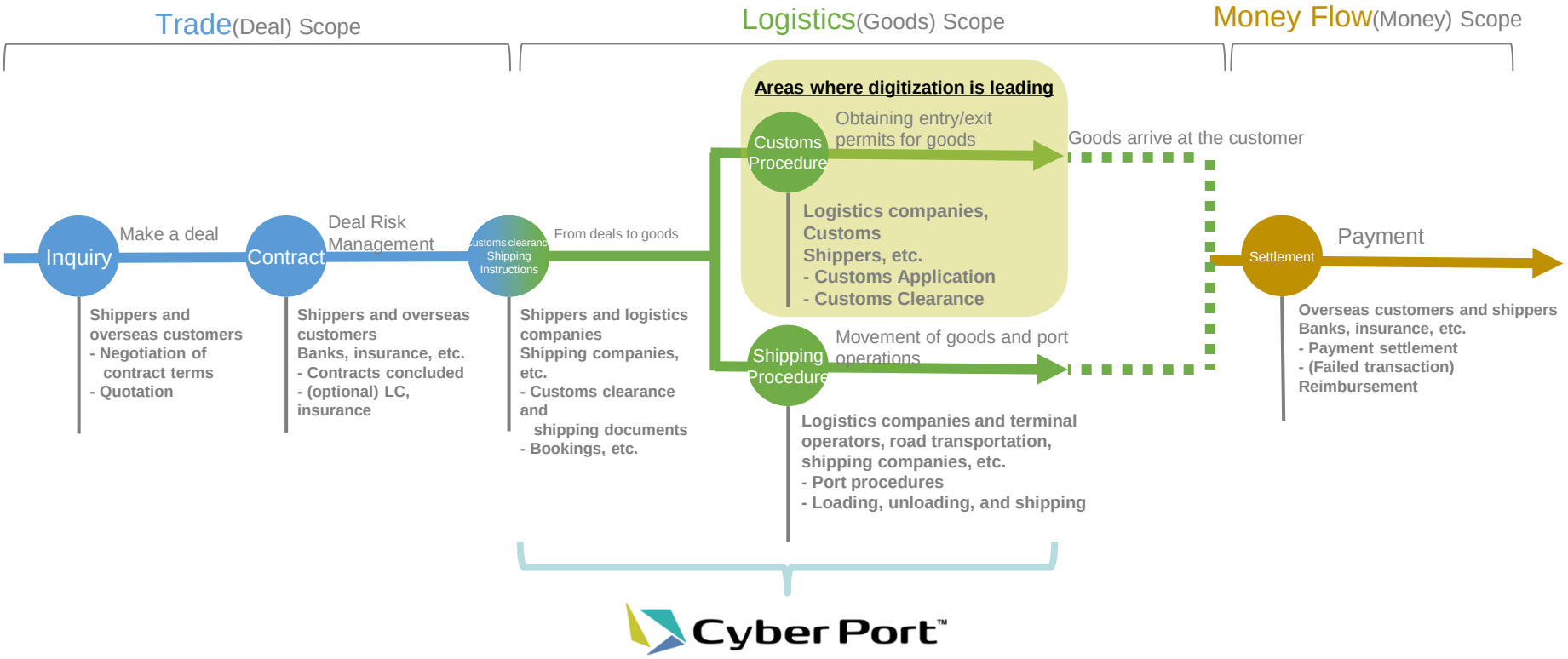
Business Type	No. of applications
Shipper	64
Ocean Shipping Company and Coastal Feeder Transport Company	7
NVOCC/Forwarder	107
Forwarder	78
Customs Broker	288
Terminal Operator	26
Road Transport Operator	303
Warehouse Operator	51
Shipping Agent	14
VGM Notification Member	5
VGM Registration Member	29
Total	972

Cyber Port Target Scope

Cyber Port covers container logistics procedures between private businesses in Japan, excluding the commercial and financial fields of trade procedures

✓ Cyber Port Target Scope Image Diagram

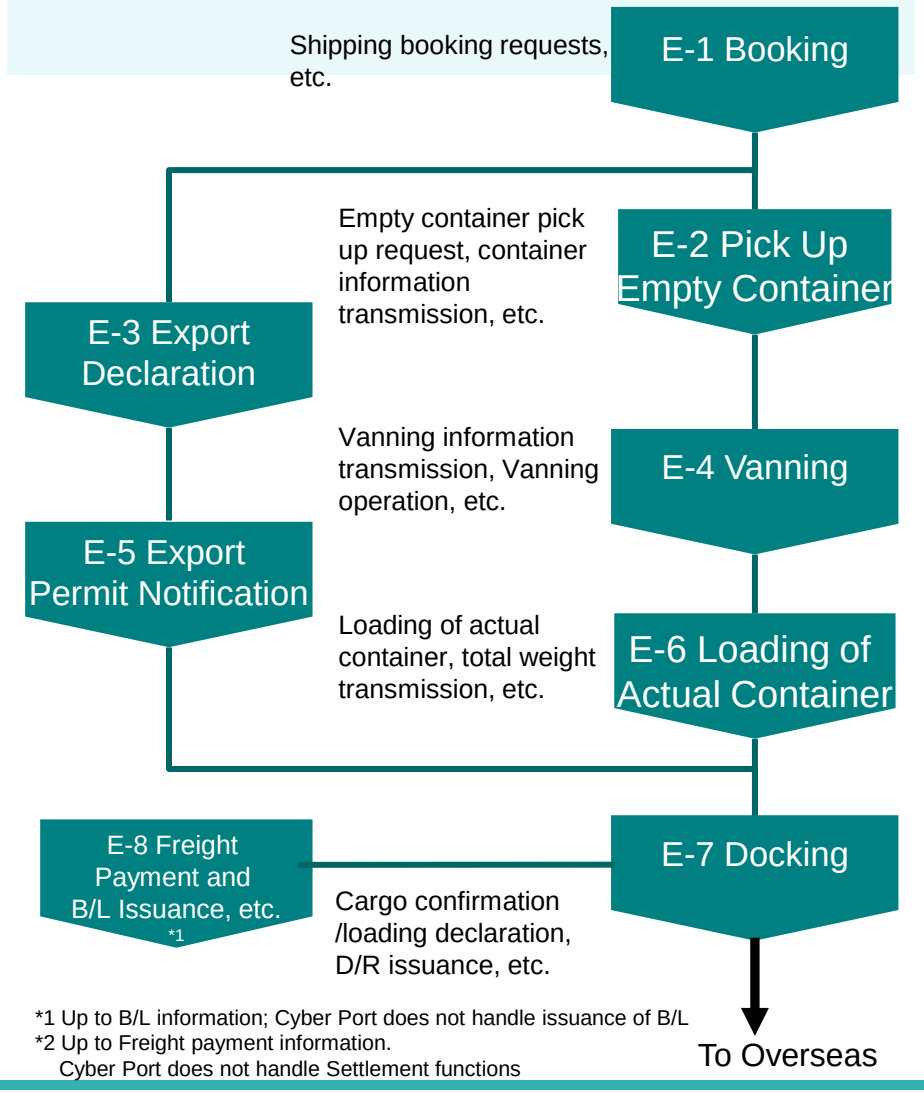
Trade Procedure Flow
(Export Cases, Sea Transport, Brief Description)



*In the future, we will consider collaboration with platforms in the commercial and financial sectors, as well as with overseas logistics platforms, etc.

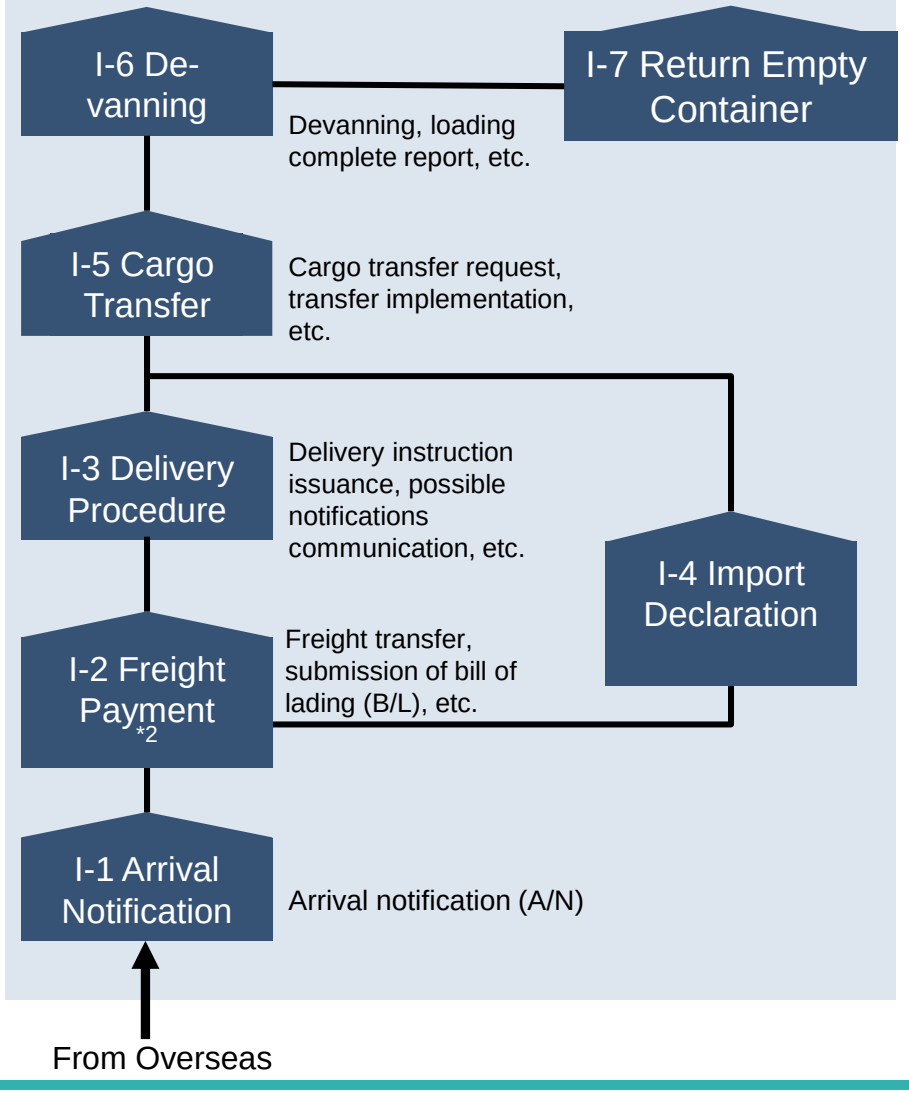
Operation Flow Handled by Cyber Port

Export Operation



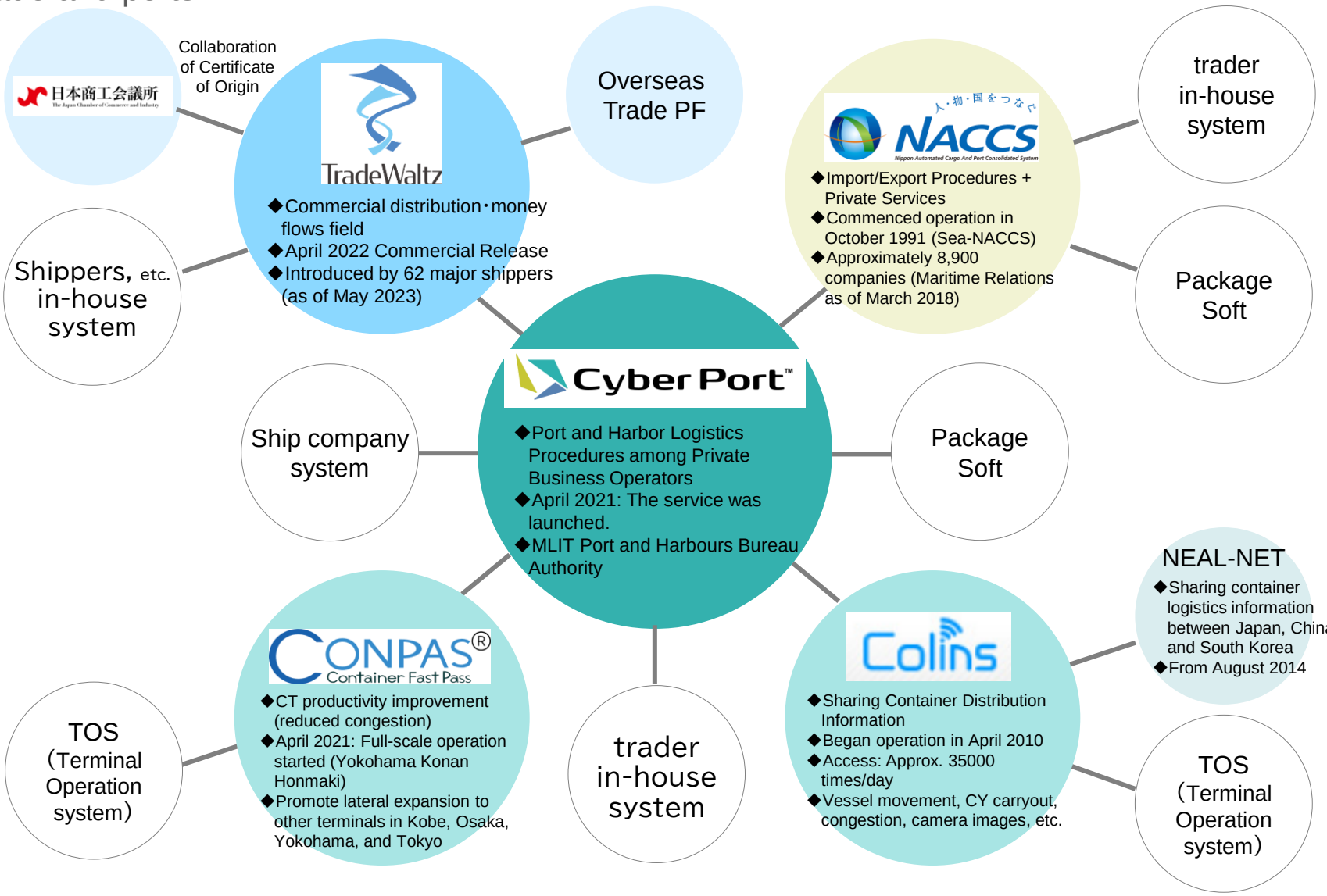
*1 Up to B/L information; Cyber Port does not handle issuance of B/L
*2 Up to Freight payment information.
Cyber Port does not handle Settlement functions

Import Operation



Collaboration with other platforms

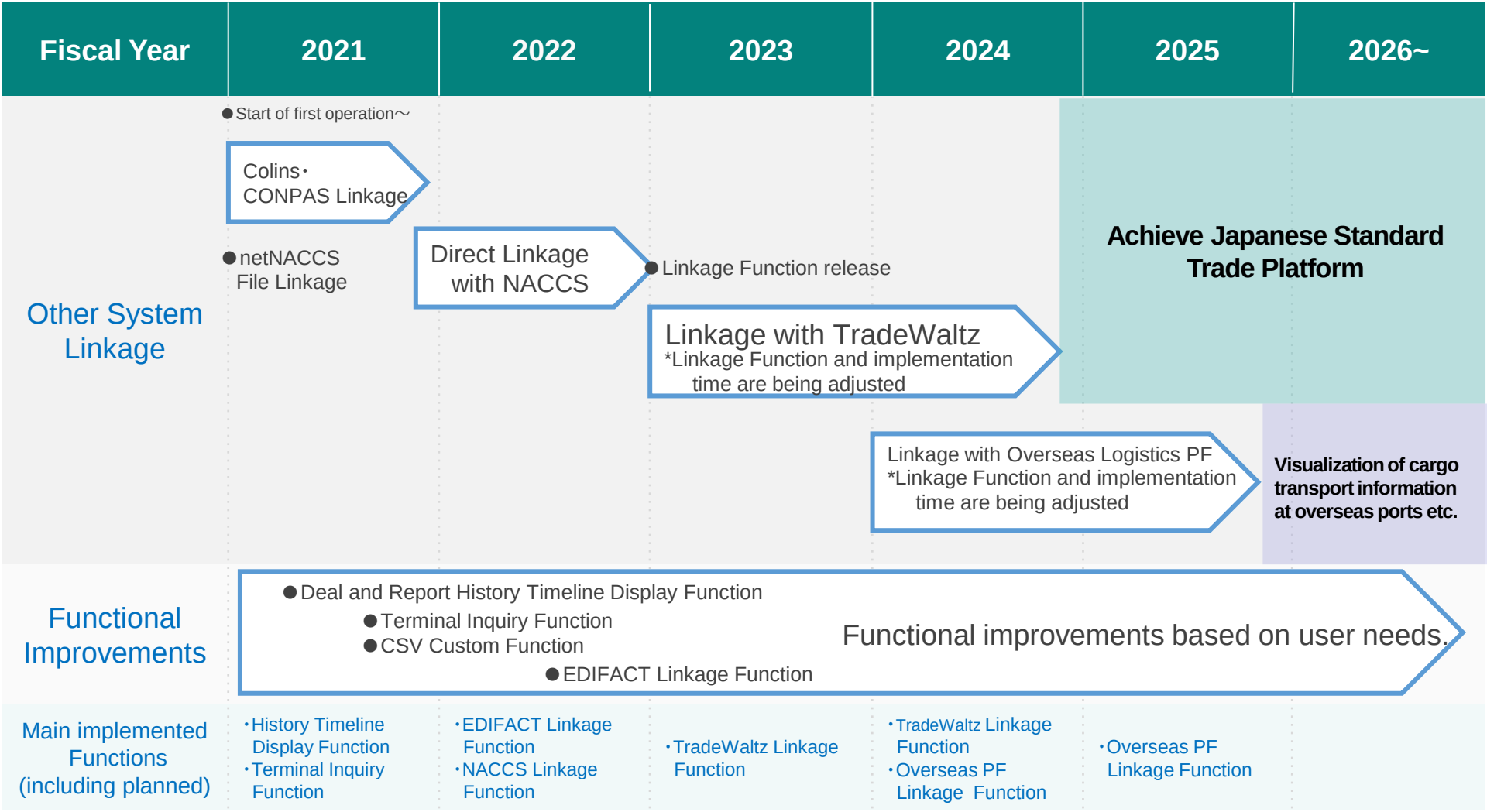
In addition to their own systems and package software, they collaborate with various PF related to trade and ports.



Cyber Port Road Map

Cyber Port will continue to improve its functionality by integrating with other related systems. Cyber Port will continue to improve convenience by improving its functions based on the needs of users

*Plans as of April 2023. Subject to change in the future.



Cyber Port Functionality Features

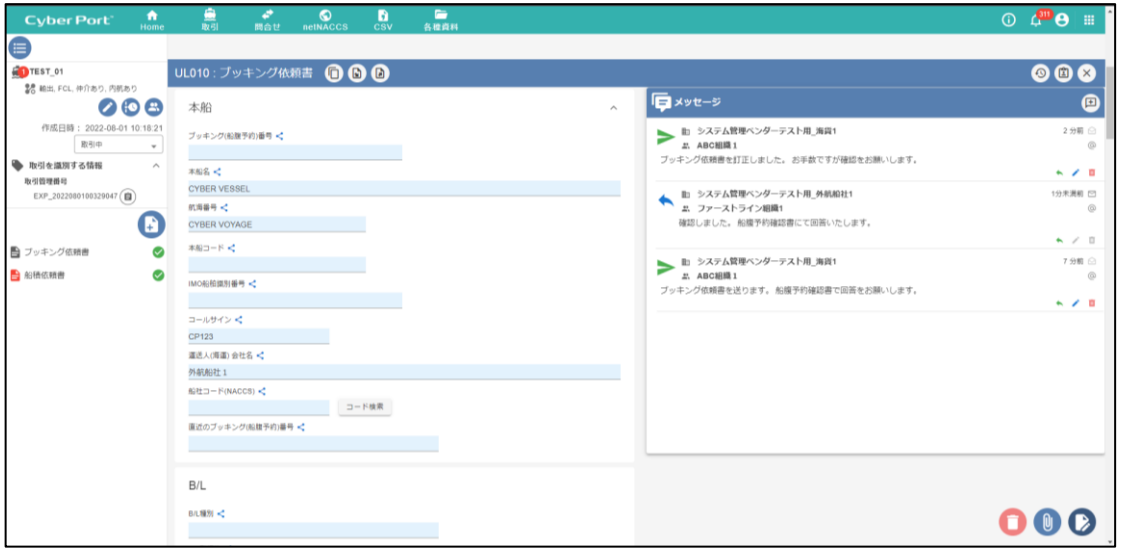
How to use Cyber Port

Cyber Port is available immediately after usage application
It can be used without changing the business flow by linking with in-house system

Using a Browser
（In-house system not required）

- ✓ Cyber Port can be used immediately by simply accessing it from a browser.
- ✓ In addition to being able to digitize various reports of logistics deals, it is also easy to check ancillary communication and history updates.
- ✓ Use of a copy function for past deal information reduces input time and effort.

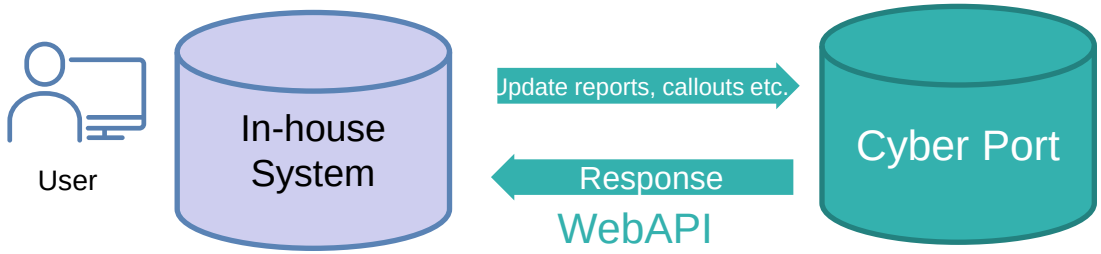
✓ Browser Screen（Image）



Integrate Cyber Port with In-house system through API linkage

- ✓ By linking in-house system with Cyber Port via API, you can create, update, import, etc. reports on Cyber Port.
- ✓ Automation is also possible depending on how it is implemented.

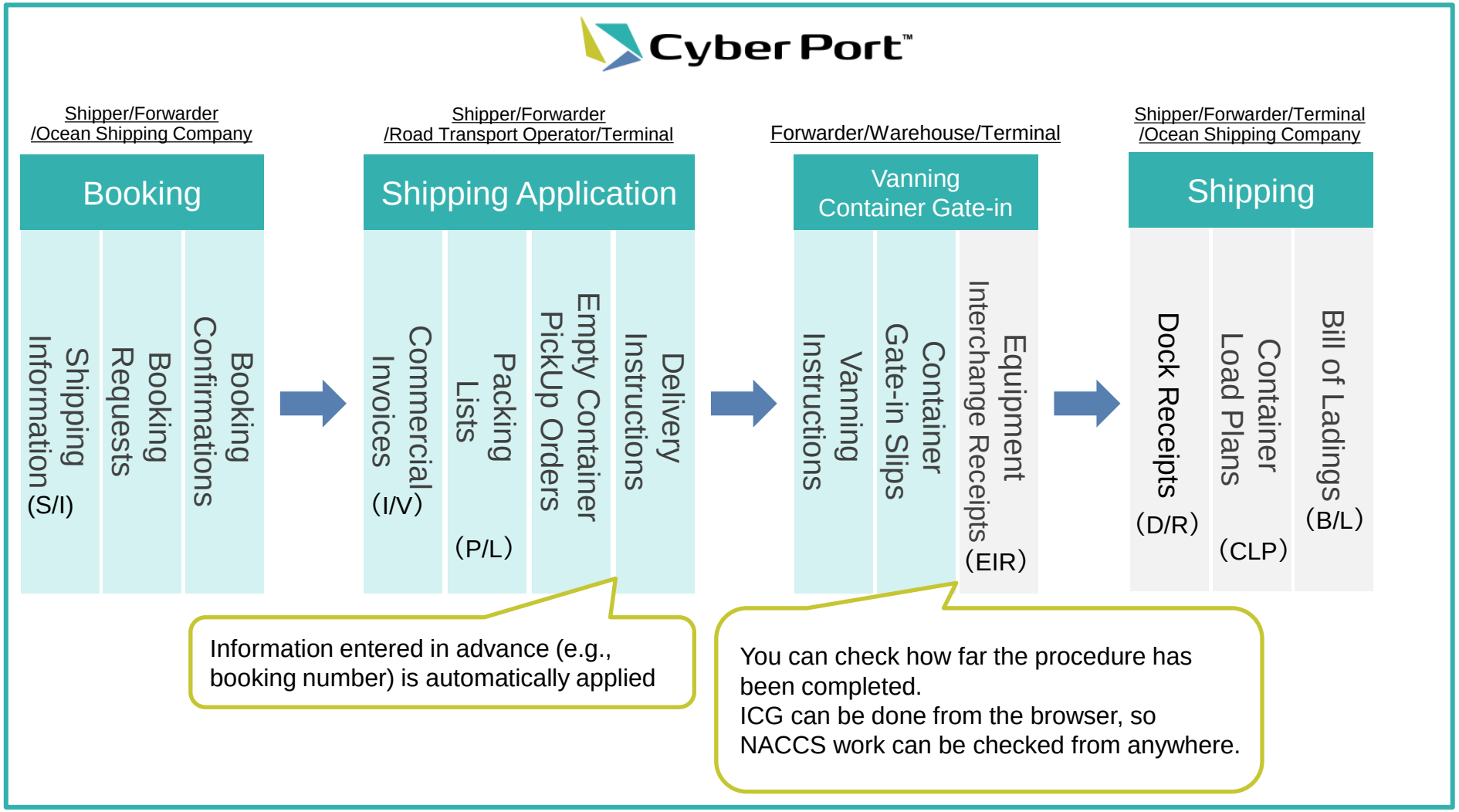
✓ API Linkage（Image）



Cyber Port Visualization of Work

Visualize the status of the client's work, including NACCS work. Without the need for queries.

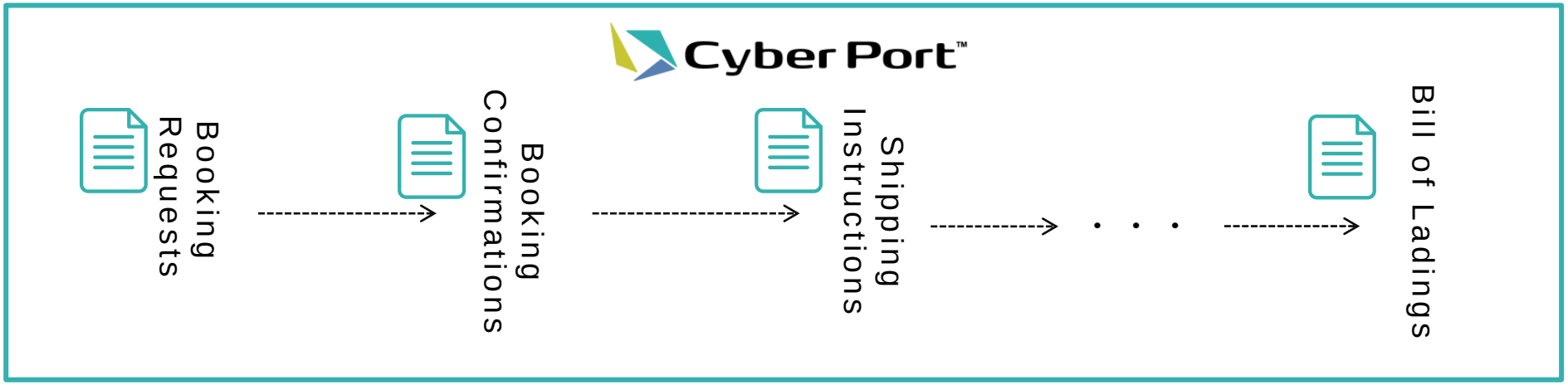
＜Export examples＞



Cyber Port Improves Work Efficiency

Duplicate entries between reports are automatically reflected, except for sensitive items, thus minimizing the number of entries

Image of Automatic Item Reflection in Exports



Item	Detail
Vessel Name	AAA
Voyage No.	BBB
Shipper	CCC
Place of Receipt	DDD
…	…

Item	Detail
Vessel Name	AAA
Voyage No.	BBB
Shipper	CCC
Place of Receipt	DDD
Booking No.	EEE
Delivery Place	FFF
…	…

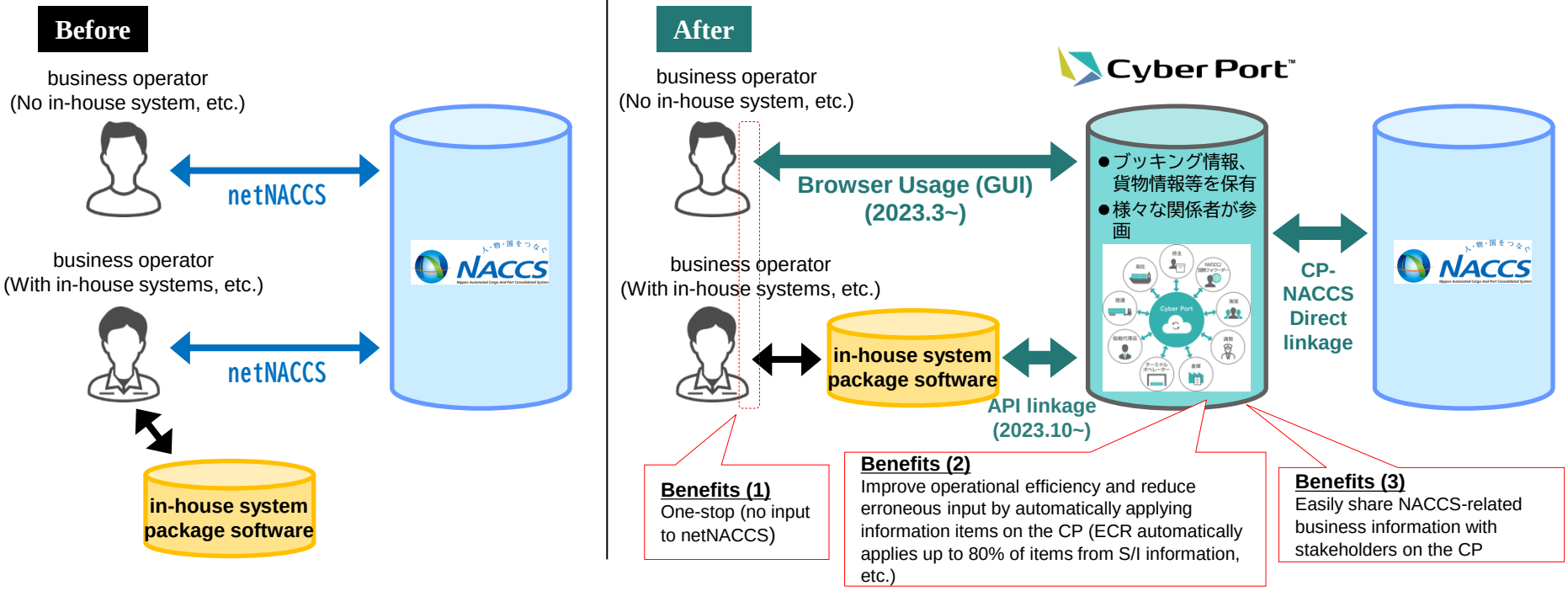
Item	Detail
Vessel Name	AAA
Voyage No.	BBB
Shipper	CCC
Place of Receipt	DDD
Booking No.	EEE
Delivery Place	FFF
Container No.	GGG
Seal No.	HHH
…	…

With automatic handling of entries in each report,
70% of inputs are eliminated

NACCS system linkage

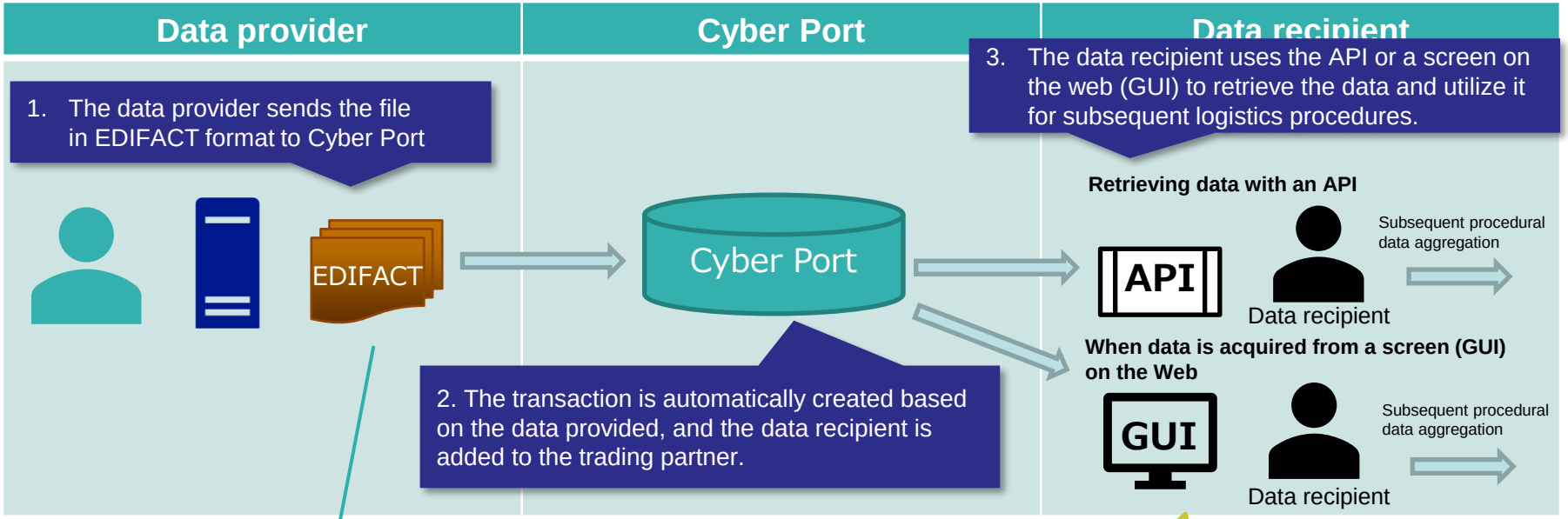
Can perform NACCS-related tasks in Cyber Port
Contributing to one-stop operation, operational efficiency, and reduction of erroneous input

Function	Ability to perform NACCS-related tasks from Cyber Port
Target Operation	82 Operational Codes（ECR, BIC, EDA, EDC, ACL, IDA, IDC, BIA etc.）
Usage method	Browser usage: GUI (2023.3~), API (2023.10~) * API support is currently 34 Operational Codes (to be expanded in the future)
Benefits of use	① One-stop operation, ②automatic application of information items on the CP to improve operational efficiency and reduce erroneous input, ③ Easily share NACCS-related business information with stakeholders on the CP
Other	It is also possible to download permission forms and import NACCS telegram files.



Ship company data linkage

In Cyber Port, data on confirmed bookings and A/N information of some shipping companies can be obtained.
This can be used for subsequent document preparation, procedures, centralized data management, etc.



	CP-enabled EDIFACT messages	
	confirmed booking information	arrival notification information
ONE	Linked	Linked
MSC	Linked	-

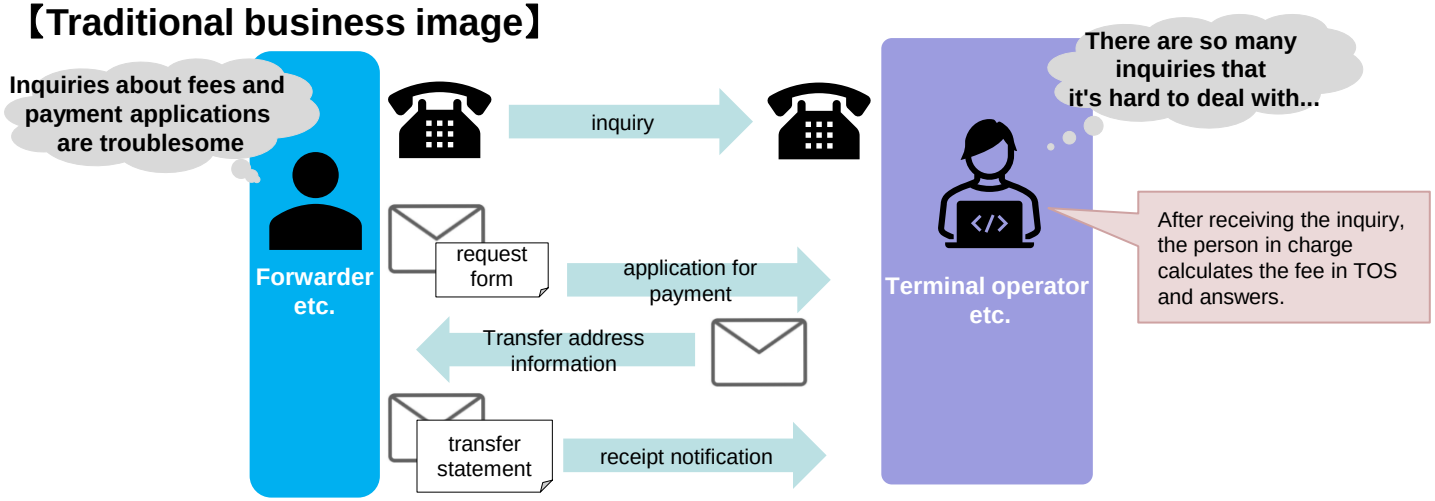
Expanding the number of target shipping companies

By preconfiguring, booking information is stored in Cyber Port.

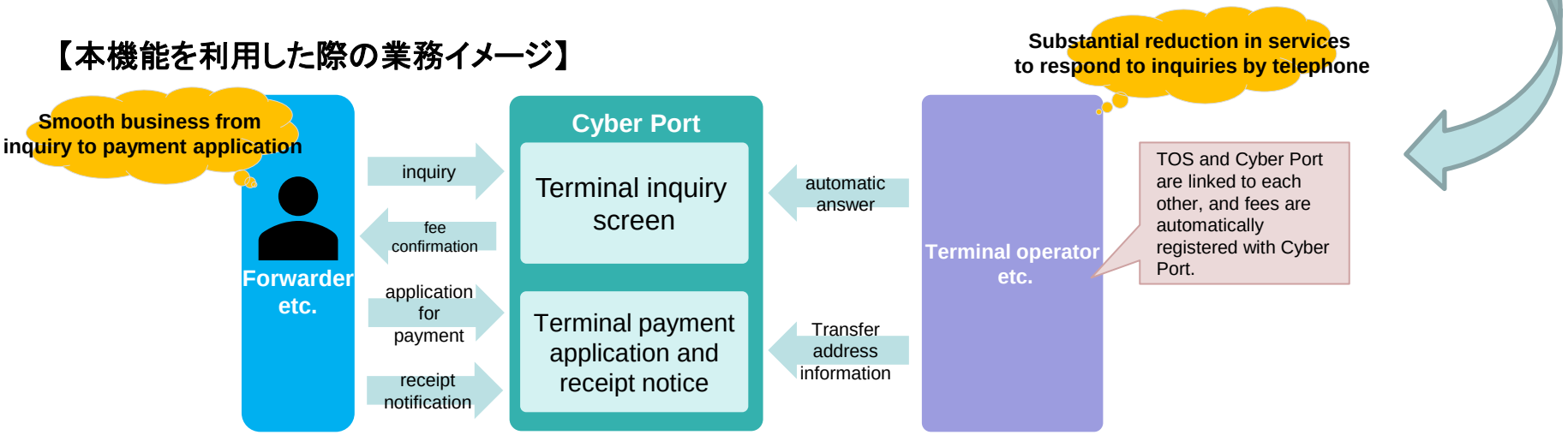
Terminal inquiry function

○CP accepts demand, inspection applications, and confirmation of various charges, reducing inquiries by phone, fax, and email.

【Traditional business image】



【本機能を利用した際の業務イメージ】



User fees and reference information

Cyber Port pricing structure

The service will be free until the end of fiscal 2025.
After the charge is introduced, it will be charged on a corporate basis, and the amount will be fixed regardless of the number of accounts.

	Usage fee
Until FY 2025	Free
Fiscal 2026 or later	6,600 yen per month per company (uniform regardless of the number of offices or users)

< If you can use it for free >

- From the start of use until the total number of transactions reaches 100
- Months with 10 or fewer transactions per month
- Companies that only provide data through the EDIFACT linkage function (currently, only shipping companies)

*The number of transactions is not counted when only functions other than the document linkage function (Chat, terminal query, various settings, etc.) are used.

Case Study Collection

Cyber Port case study collection is posted on portal site

Case

Utoc Corporation

Charges can now be checked and applications can be made anytime 24 hours a day on Cyber Port

Terminal Operator

MITSUI-SOKO Co., Ltd.

By sharing data through Cyber Port, we want to contribute to improving the operational efficiency of shippers, forwarders, road transport operator, and all concerned parties

Terminal Operator *Forwarder* *Shipping Agent*

Toyama Shinko Port Cargo Handling Facility Management Association/Fushiki Kairiku Unso Co., Ltd.

Eliminate duplicate data input by linking in-house system and Cyber Port API

Terminal Operator *Forwarder* *Shipping Agent*

Link: https://www.cyber-port.net/en/case

▲You can access the portal site from this QR code.

Report List Handled by Cyber Port (Reference)

Export

Report Code	Report Name
UL010	BookingRequest
UL020	BookingRequestDangerousGoods
UL030	DangerousGoodsDescription
UL040	ShippingInstructions
UL050	BookingConfirmation
UL060	EmptyContainerPickUpOrder
UL070	DeliveryInstructions
UL080	EquipmentInterchangeReceipt
UL090	ContainerGateInSlip
UL100	CommercialInvoice
UL110	ProformaInvoice
UL120	PackingList
UL130	DockReceipt
UL140	ContainerLoadPlan
UL150	BillOfLading
UL160	SeaWayBill
UL170	MultimodalTransportBillOfLading
UL180	ContainerList
UL190	VanningInstructions
UL200	CargoManifest
UL210	FreightInformation
UL220	RemittanceSlip
UL230	RemittanceAdvice
UL240	BillOfLadingNumberNotice
UL250	BookingListOceanVessel
UL260	BookingListFeederVessel
UL360	DeliveryNote
UL440	VerifiedGrossMassReport

Import

Report Code	Report Name
UL070	DeliveryInstructions
UL080	EquipmentInterchangeReceipt
UL100	CommercialInvoice
UL110	ProformaInvoice
UL120	PackingList
UL150	BillOfLading
UL160	SeaWayBill
UL170	MultimodalTransportBillOfLading
UL180	ContainerList
UL200	CargoManifest
UL250	BookingListOceanVessel
UL260	BookingListFeederVessel
UL270	ImportInstruction
UL280	CargoClearanceAndDeliveryInstructions
UL290	ArrivalNotice
UL300	DeliveryOrder
UL310	DeliveryOrderLessRequest
UL320	CyDispatchOrder
UL330	CfsDispatchOrder
UL340	DeliveryDocument
UL350	ContainerDeliveryReceipt
UL360	DeliveryNote
UL480	TerminalInquiry
UL490	TerminalPayment

NACCS Linkable Business Code

No.	業務コード	業務名称	No.	業務コード	業務名称	No.	業務コード	業務名称
1	ACL01	ACL情報登録(コンテナ船用)	29	CYD01	システム外CY搬入確認(B/L単位)(事前登録)	56	RSS11	輸入コンテナ引取予定情報通知(ID通知)呼出し
2	ACL11	ACL情報登録呼出し	30	SCR	簡易貨物情報登録	57	RSS12	輸入コンテナ引取予定情報選択(ID通知)呼出し
3	ECR	輸出貨物情報登録	31	SCR11	簡易貨物情報登録呼出し	58	RST11	輸入コンテナ引取予定確認情報通知(ID確認)呼出し
4	BKC	ブッキング情報変更	32	IDB	輸入申告事項呼出し 海上	59	RSS01	輸入コンテナ引取予定情報通知(ID通知)
5	BKR	ブッキング情報登録	33	IDD	輸入申告変更事項呼出し 海上	60	RST01	輸入コンテナ引取予定確認情報通知(ID確認)
6	BKC11	ブッキング情報変更呼出し	34	IDA	輸入申告事項登録 海上	61	CYO	CY搬出確認登録
7	BIC	搬入確認登録(輸出未通関)	35	IDC	輸入申告 海上	62	ICG/ICG0W	貨物情報照会
8	ECR11	輸出貨物情報登録呼出し	36	IDA01	輸入申告変更事項登録 海上	63	ICN/ICN0W	コンテナ情報照会
9	BIF11	輸出貨物情報訂正呼出し	37	IDE	輸入申告変更 海上	64	IID/IID0W	輸入申告等照会 海上
10	BIF	輸出貨物情報訂正	38	MSX	申告添付登録 海上	65	IVK	船舶コード照会
11	EDA	輸出申告事項登録 海上	39	MSY	申告添付訂正呼出し 海上	66	IMI/IMI0W	積荷目録状況照会
12	EDC	輸出申告 海上	40	MSY01	申告添付訂正 海上	67	IIE/IIE0W	輸出入者情報照会 海上
13	EAA	輸出許可内容変更申請事項登録 海上	41	AMA	修正申告事項登録 海上	68	IXX	関連省庁申告・申請状況照会 海上
14	EDB	輸出申告事項呼出し 海上	42	AMB	修正申告事項呼出し 海上	69	IEX/IEX0W	輸出申告等照会 海上
15	BOC	搬出確認登録(輸出許可済)	43	MSB	添付ファイル登録	70	IER	為替レート照会 海上
16	BID	搬入確認登録(輸出許可済)	44	AMC	修正申告 海上	71	IMS	申告添付一覧照会
17	EAC	輸出許可内容変更申請 海上	45	OLC	保税運送申告	72	IVS	入出港届等照会
18	EAB	輸出許可内容変更申請事項呼出し 海上	46	OLC11	保税運送申告呼出し	73	IWS	貨物在庫状況照会
19	BOB	搬出確認登録(貨物引取り)	47	OLA	保税運送申告事項登録	74	ICI	船積コンテナ情報照会
20	BIE	システム外搬入確認(輸出許可済)	48	OLA11	保税運送申告事項登録呼出し	75	IAS	担保照会
21	VAN11	バンニング情報登録(コンテナ単位)呼出し	49	OLC20	保税運送申告(事項登録あり)	76	IDI	輸入申告等一覧照会 海上
22	VAE11	バンニング情報登録(輸出管理番号単位)呼出し	50	BOA	搬出確認登録(保税運送貨物)	77	IFR	フリータイム情報照会
23	VAN	バンニング情報登録(コンテナ単位)	51	NVC11	ハウスB/L貨物情報登録呼出し	78	IML	出港前報告一覧照会
24	VAE	バンニング情報登録(輸出管理番号単位)	52	NVC02	ハウスB/L貨物情報登録(関連付け)	79	IAR	出港前報告照会
25	VAC	バンニング情報取消し	53	BIA	搬入確認登録(保税運送貨物)	80	IES/IES0W	輸出申告等一覧照会 海上
26	CYA	CY搬入確認登録	54	NVC01	ハウスB/L貨物情報登録(登録、訂正、削除)	81	IAL	ACL情報照会
27	SAI11	輸入貨物情報訂正呼出し	55	DOR	輸入貨物荷渡情報登録	82	IIE01	法人番号情報照会 海上
28	SAI	輸入貨物情報訂正						

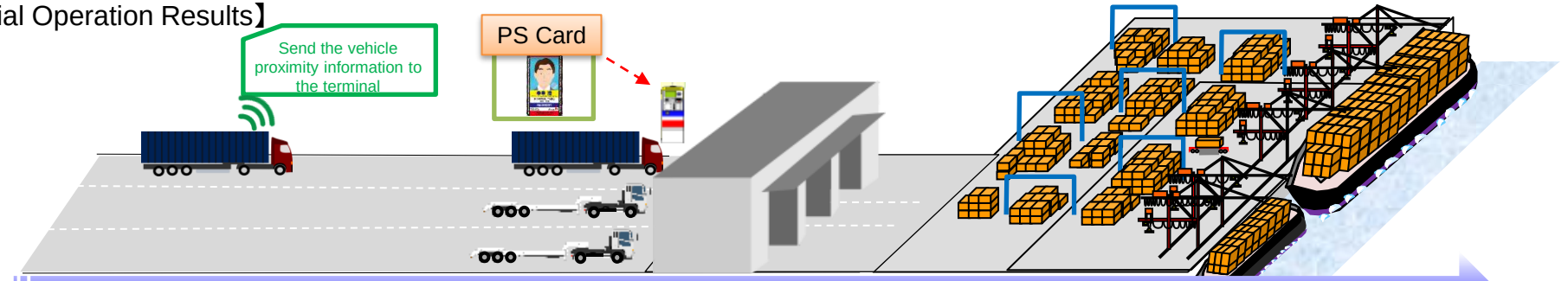
CONPAS and Colins (Reference)

CONPAS Overview

Cyber Port™

○CONPAS*1 is a system designed to improve the efficiency of container logistics by reducing congestion in front of container terminal gates and shortening the time container trailers spend at terminals.
○Full-scale operation*2 will start in April 2021 at Yokohama Port Minami Hommokufuto Container Terminal.
○PC-18 at Kobe Port and Yumeshima Container Terminal at Osaka Port are also conducting trial operations with the aim of starting full-scale operations in FY2023.
○The ports of Yokohama, Honmoku BC and Honmoku D1, is in the process of adjusting for the introduction of the system, and Tokyo Port is in the process of implementing measures for lateral deployment.

【Trial Operation Results】



①Loading/Unloading booking
Introduced a loading/unloading booking system to distribute and level container loading/unloading trailers that arrive intensively at specific times.
➡ Total waiting time in front of the gate of loading trailer is reduced by approximately 10%*3

②PS card utilization
Admission is only by touching the PS card, omitting the presentation of the loading/unloading slip.
➡ Approximately 20% reduction in admission time (unloading)

③Pre-verification of loading information
Loading procedure (verification of loading information and TOS*4 information) is performed before the container arrives at the gate.
➡ Approximately 60% reduction (estimated value) in IN gate process time

④Utilization of vehicle proximity information and booking information
Detect the vehicle proximity information and move to a position where it is easy to take out the container in advance
➡ Secures about 15 minutes of cargo preparation time
(Considering the use of booking information)

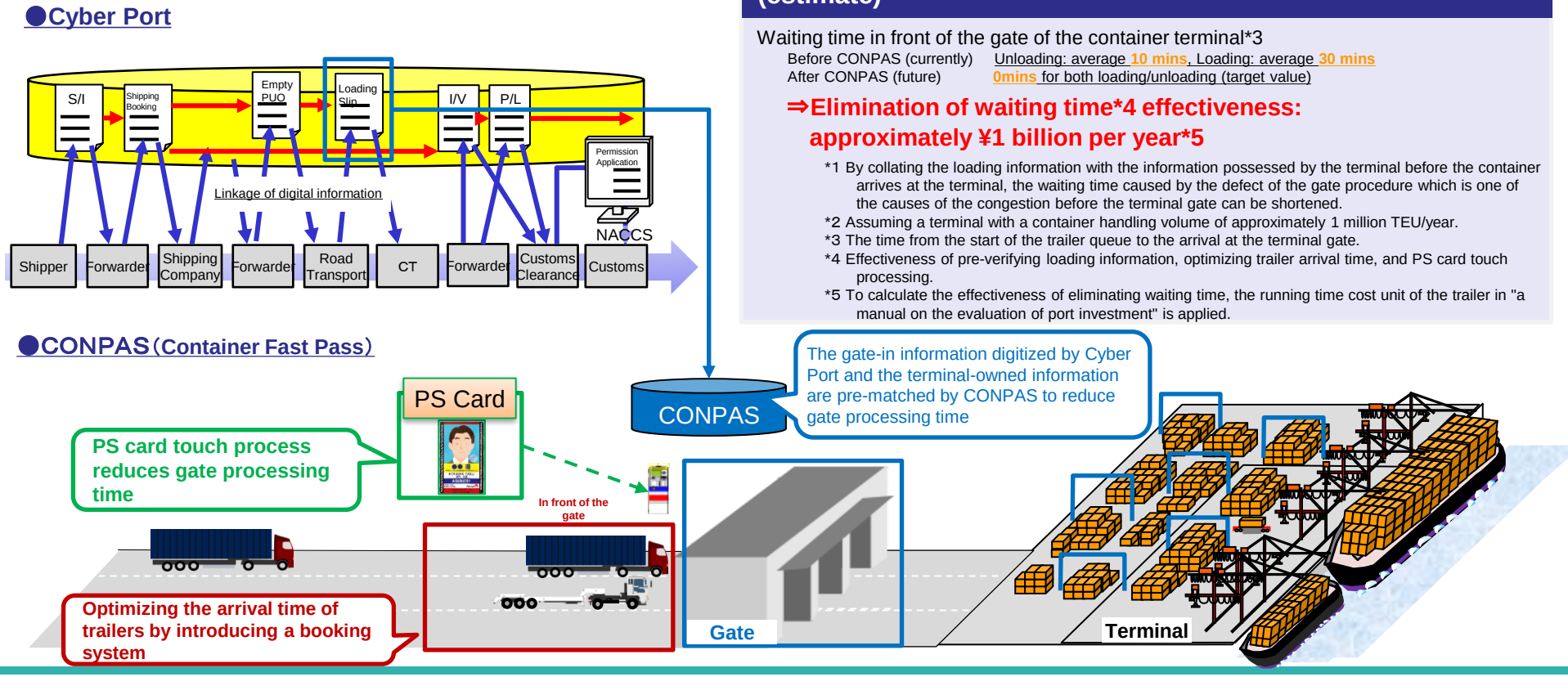
Improvement of container loading/unloading process capacity by utilizing information and communication technology

*1 CONPAS：Abbreviation of Container Fast Pass
*2 In addition to “loading booking function" and "PS card utilization function", “pre-verification function of loading information" must be started in linkage with Cyber Port
*3 If 14% of loading trailers have been booked through CONPAS
*4 Terminal operation system

Linkage Effectiveness of Cyber Port and CONPAS

- By utilizing **the digitization of Gate-in Slips by Cyber Port**, and enabling **pre-verification of Gate-in information*1** at CONPAS, the gate processing time at the container terminal can be shortened.
- In addition, by utilizing the **booking function of CONPAS** and **optimizing the number of trailers** arriving at the container terminal, the waiting time in front of the gate will be reduced to zero. (Target value)
- The effect of eliminating the waiting time for each container terminal as described above is estimated to be **several hundred million yen to several billion yen per year**, although it varies depending on the number of trailers visiting and the processing capacity of the terminals.

Linkage of Cyber Port and CONPAS (Image)



Effectiveness of eliminating waiting time in model case*2 (estimate)

Waiting time in front of the gate of the container terminal*3

Before CONPAS (currently) Unloading: average 10 mins, Loading: average 30 mins

After CONPAS (future) 0mins for both loading/unloading (target value)

⇒Elimination of waiting time*4 effectiveness: approximately ¥1 billion per year*5

*1 By collating the loading information with the information possessed by the terminal before the container arrives at the terminal, the waiting time caused by the defect of the gate procedure which is one of the causes of the congestion before the terminal gate can be shortened.

*2 Assuming a terminal with a container handling volume of approximately 1 million TEU/year.

*3 The time from the start of the trailer queue to the arrival at the terminal gate.

*4 Effectiveness of pre-verifying loading information, optimizing trailer arrival time, and PS card touch processing.

*5 To calculate the effectiveness of eliminating waiting time, the running time cost unit of the trailer in "a manual on the evaluation of port investment" is applied.

Colins Overview

Cyber Port™

○The Container Logistics Information Service (Colins) is a membership registration website-based information system for sharing container logistics information centrally among related businesses, including terminal operators, shippers, forwarders, and carriers.
○Ministry of Land, Infrastructure, Transport and Tourism (MLIT) Port and Harbours Bureau began operating the service in April 2010.
○This will contribute to the efficiency and advancement of logistics operations through the visualization of information by sharing necessary information related to major ports nationwide in a centralized and real-time manner.
○URL: https://www.colins.ne.jp (Colins: Container Logistics Information Service)

○Congestion Camera Image

Provides real-time webcam images installed in the Minato area.

○Gate opening time information

Announcement boards for each terminal, including terminal opening time.

○Pick-up Availability Information

Displays container availability information provided by each terminal's system.

○Shipping movement information

Displays shipping movement information provided by each terminal, port administrator, and AIS.

■Facilitation of logistics operations through centralized sharing of information

Information on the availability of import containers, shipping movements, etc., which has been distributed to individual ports and related parties, will be collected, making it easier for related companies to share information. This will reduce problems in information transmission and enable smooth flow of container distribution.

■Significantly reduces workload

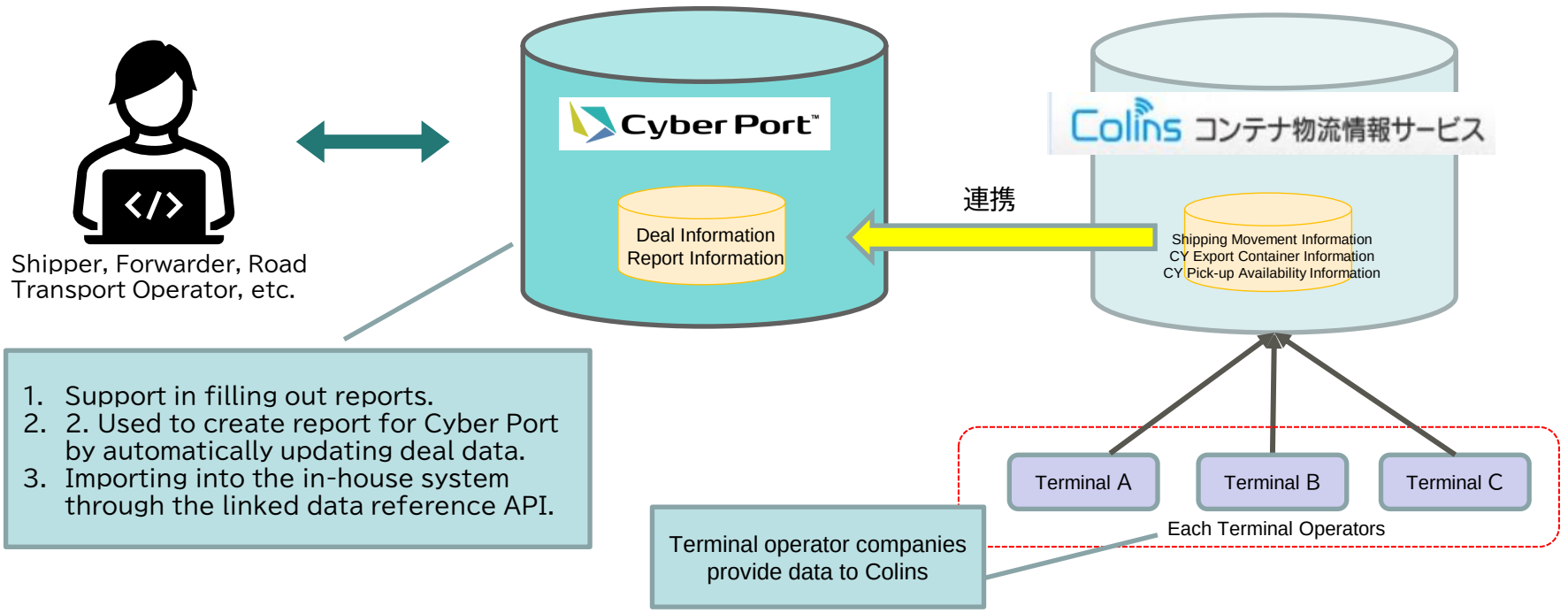
This will enable the necessary information on the desired cargo to be obtained at any time, eliminating the need for inquiries and confirmations to the container terminal, which is expected to significantly reduce the workload and improve operational efficiency.

■Environmentally friendly and less wasteful transportation

The various information provided enables direct confirmation of the current status of terminals and cargo, enabling road transportation operators to avoid congestion and reduce waiting time, etc., which is expected to ease traffic congestion on surrounding roads and reduce environmental impact.

Cyber Port and Colins Linkage Function

- Colins is available to Cyber Port users.
- In addition, Colins' [Shipping Movement Information], [CY Export Container Information], and [CY Pick-up Availability Information] are linked to Cyber Port, and the linked data can be used as follows:
  1. Support in filling out reports. (browser-based use only)
  2. Used to create report for Cyber Port by automatically updating deal data.
  3. Importing into the in-house system through the linked data reference API.



Cyber Port™

▲You can access the portal site from this QR code.