Electronic Communication Procedure

Version 2.15

CONTENTS

ABBREVIATIONS & DEFINITIONS

In this Electronic Communication Procedure ("ECP") the wording and expressions starting with a capital letter, save where the context requires otherwise, shall have the following meanings:

APPLICATION PROGRAMMING INTERFACCE ("API")
An interface between a Company and a server of ECT. The Company makes a request in a specific format and will obtain a response in a specific format.

COMPANY
Any party who transfers, shares, obtains, exchanges Data directly or indirectly with ECT under this ECP. In case of indirect transferring, sharing, obtaining, or exchanging of Data by a Company with ECT (i.e. by means of an Intermediate Party), the Intermediate Party shall automatically be considered to be a Company.

DATA
All messages, notifications, instructions, invoices or other communication which is electronically transferred, shared, obtained or exchanged via either Electronic Data Interchange ("EDI"), Application Programming Interface ("API")., Mobile Application (app) or the Website, directly and/or via an Intermediate Party.

DIGITAL SERVICE(S)
All services offered via the channels mentioned in article 1.2.
ECT distinguishes Primary Services and Supplementary Services:
- **PRIMARY SERVICES:** Obligations of ECT agreed upon with its customer and/or eventual subsequent activities for a previous or successive party acting on or on behalf of that customer or with permission of the customer of ECT's customer. Primary Services must be considered as standardized and established services for daily normal and continuous operation at the ECT terminal. More information about the Primary Services are provided in Appendix II.
- **SUPPLEMENTARY SERVICES:** Supplementary Services are flexible and value-added services which are being progressively developed for the sake of better and more efficient services. For an overview of the available Supplementary Services reference is made to the Website.

ECT
The container terminals ECT Delta Terminal B.V., Euromax Terminal Rotterdam B.V. and/or (other subsidiaries of) Europe Container Terminals B.V.

ELECTRONIC DATA COMMUNICATION
Communication of Data through any of the Digital Services.

ELECTRONIC DATA INTERCHANGE ("EDI")
Electronic interchange of a coherent set of Data in accordance with internationally agreed message standards (UN-Edifact), supplementary ECT guidelines, prepared in computer readable format in accordance with adopted protocols and capable of being directly automatically and unambiguously processed between information systems by electronic means.
UN-Edifact are the United Nations rules for Electronic Data Interchange for administration, commerce and transport, comprising a set of internationally agreed standards, directories and guidelines for the electronic interchange of structured Data, and in particular, interchange related to trade in goods and services between independent and computerised information systems. The transmission of EDI-messages should be in standard UN-Edifact and the costs for translation from In-house Data to UN-Edifact Data are for the account of the transmitting party. The costs for vice versa translations from UN-Edifact to In-house Data are for the account of the receiving party.

INTERMEDIATE PARTY
An Intermediate Party acts for and on behalf of Company to facilitate Electronic Data Communication between ECT and the Company, considering the Company's containers, e.g. Portbase.

PORTBASE
PCS Port Community System. For more information reference is made to the website of Portbase: www.portbase.com.

USER
Any person using Electronic Data Communication with ECT. For the different types of Users reference is made to paragraph 2.2., Identification and authentication.

ACCOUNT
An account which is needed to access the Digital Services.

WEBSITE
The ECT website: www.ect.nl and all of its subdomains.

1 ELECTRONIC DATA COMMUNICATION

1.1 **Introduction**

In order to facilitate supply chain integration, the logistics chain, including ECT, ECT makes use of Electronic Data Communication to improve operational efficiency and to abolish the need to issue and/or process hardcopy documentation.

This Electronic Communication Procedure (hereinafter "ECP") describes the roles and responsibilities of ECT and the User for the Electronic Data Communication. This ECP will be updated from time to time. The latest and valid version of the ECP is published on the Website.

1.2 **Channels**

The ECP describes the Electronic Data Communication process regarding the Primary Services. As far as a customer makes use of the Supplementary Services, the ECP applies as well. The Supplementary Services are in development and released periodically. Up-to-date information about the available functionality and communication process for the Supplementary Services will be published on the Website.

Data regarding Services is transferred, obtained, shared or exchanged under the ECP via the following five electronic communication channels:

A. Via EDI

B. Via the Website. A distinction is made between MyServices and MyTerminal;

C. Via Mobile Application (App);

D. Via API. Several of the Services are available as a direct API connection;

E. Via an Intermediate Party.

The channels mentioned under subs A., D. and E. can only be used by Business Users. The channels mentioned under sub B. and C. are available for both Single Users and Business Users. Single users have limited access to information in comparison to Business users. (see paragraph 2.2., Identification and authentication, for an explanation of Business User and Single user)

Channel B. (MyTerminal), C. and D. are continuously in development. Channel E. is an external channel; ECT does not have any influence on the communication process by this channel. Details about the communication process via channel sub E. must be obtained from the Intermediate Party.

2 SECURITY

2.1 <u>**General**</u>

Proper and secure use (i.e. among others – but not limited to – authorized access, use, disclosure, disruption, modification, inspection, recording or destruction of information) of the Electronic Data Communication is essential for the logistics chain. Any improper and incorrect access and use of information might cause direct or indirect damage to ECT and/or relevant parties. Each User should always be aware of the potential risks while using Electronic Data Communication. Knowledge of improper, incorrect and/or insecure use, in the broadest sense of the word, must always be reported to ECT as soon as possible.
Information must only be transferred, shared, obtained, exchanged or used in another way on a need to know basis.

ECT standardizes basic guidelines and policies on Data Security, Accounts and EDI data exchanges. The ISPS-code (International Ship and Port facility Security Code) is the security standard in use at all ECT terminals. Further, ECT is AEO (Authorised Economic Operator) certified. All procedures described in this ECP are governed by the regulations concerning the AEO certificate. In case of discrepancy between the ECP and the regulations concerning the AEO certificate, the regulations prevail.

2.2 <u>**Identification and authentication**</u>

The Website MyServices has a public part and an extranet part, while MyTerminal has an extranet part only. To access the extranet part the User has to register themself with a personal/company email address to obtain a User account. After login with the account and password the User has access to various Digital Services. ECT distinguishes between different types of User accounts: each type has different functions and possibilities:

1. <u>Single User account:</u> allows App and Website interface access for publicly available data only. This account type does not support authorisation options. A personal or company email address is allowed.
2. <u>Business User account:</u> required for App and Website access to authorised information. Requires a company email address within the same domain as the supervising Administrator account (see 2.3). Business User accounts are sometimes connected to an Administrator account. If not ECT will provide authorisation.
3. <u>Adminstrator account:</u> An Administrator account - called TCC (Terminal Communication Coordinator) in MyServices and MTA (MyTerminal Administrator) in MyTerminal - is used for administering the relation of the Company with ECT. The Administrator account has several authorisations, and this account can be used to delegate these autorisation to connected Business User accounts. Also, this account can be autorised for direct API connections or for data access through Intermediate Parties. This account is not suitable for operational web interface access.

In general, to keep the access to data secure the following rules are used for User Accounts:
1. The User account name must be personally; surnames must be part of the account name. Company, department and/or group account are not allowed.
2. Account e-mail addresses preferably are business e-mail addresses. However, an applicant can use a personal e-mail address, but only for a Single User account, limited to non-authorized services.
3. Passwords in MyServices are only valid for 90 days. After this period a new password has to be set by using the Request New Password function.
4. Accounts that have not been used more than 180 days will be deleted. To reactivate an Account the register function has to be used.
5. The Account can only be logged on once at the time. This means that a second login with the same account name overrules the first login; the first login will be lost.
6. Each user must accept this ECP before access to the Digital Services is provided.

2.3 **Administrator account**

A Company must always be aware of the authorization of its employees making use of the Website. The Company appoints an Administrator - called a TCC in MyServices and MTA in MyTerminal - who is entrusted with the management of the Electronic Data Communication with ECT on behalf of the Company. The Administrator will act as the responsible contact person in all matters concerning Electronic Data Communication. The Administrator has the right to authorize and restrict Users within the Company. For this, the Administrator uses the Administrator account. For the Business User accounts connected to the Administrator account, account emails of all authorized Users must be business emails within the same domain. Granted access rights cannot exceed the Administrator account access rights. The Administrator shall maintain the internal authorizations updated at all times. In case of termination of a labour agreement the Administrator will immediately revoke authorization of that person. As soon as there has been made any substitution or successive appointment of an Administrator, the Company will immediately notify ECT thereof. ECT provides the new Administrator with an Administrator account.
Responsibilities of the Administrator are:
   a. Add and remove connections of company Users to the Administrator account;
   b. Grant and revoke access rights to company Users;
   c. Manage rights for invoking services on the Website that will be invoiced afterwards;
   d. Manage rights for invoking prepaid services on the Website.

2.4 **Intermediate Parties**

The Company will ensure that the Intermediate Parties acting on its behalf are informed of the content of the ECP, where relevant, and will ensure use of the Electronic Data Communications according to this ECP. ECT will request the Intermediate Parties acting on behalf of the Company to appoint an Administrator well, in order to secure communication between ECT and these third parties concerning the User's containers. The User will work closely together with ECT in order to ensure all third parties acting on its behalf appoint an Administrator.

2.5 **EDI data exchange**

ECT supports EDI exchanges only through SFTP (secure FTP).

For the means of SFTP ECT and the partner will exchange usernames, passwords and keys to connect to the SFTP server transfer directories.

3 CONDITIONS FOR A PROPER EXECUTION OF THE SERVICES

3.1 Use of Electronic Data Communication

The User acknowledges that the share of information by the channels mentioned in Chapter 1.2 is essential for the logistics chain and that its commitment to this ECP is necessary for ECT to provide the agreed Services. The User will promote the use of Electronic Data Communication, and refrain from using other means for sharing information with ECT whenever Electronic Data Communication can be used.

The User authorizes ECT to disclose and use any information submitted to ECT through data interchange by means of the channels abovementioned in Chapter 1.2 to third parties for application in logistics operations, unless restricted by law.

Access where login is needed, is being granted only to the person who applied for a login name. This person is personally responsible for the proper use of the used access and is not allowed to give, grant or otherwise transfer these rights to any other person or party without prior written approval of ECT. The Administrator is allowed to grant rights to Users within its Company. Access to the API is granted via the API portal to a specific Administrator account login, which should therefore never be shared.

3.2 PIN numbers

Release orders for containers containing PIN numbers and/or changes in PIN numbers may only be submitted to ECT via EDI or the designated Digital Service for a release order. For requesting detailed container information, the PIN number may only be provided via the Digital Services Container Status Inland Carrier Import and/or APIs for container status information and/or MyTerminal. PIN numbers communicated via any of these channels are not visible to ECT employees. It is not allowed to use different means of communication to submit PIN numbers.

3.3 Purpose

Data provided by ECT shall only be used for direct application in logistics operations. The User is not allowed to hold or file (a part of the) Data, provided by ECT via the channels described in Chapter 1.2 of this ECP, for commercial purposes, or to develop products, materials, models or methods containing (a part of the) Data provided by ECT.
Parties shall only disclose information on a need to know basis in connection with the Services.

The customer is not in any way allowed to use Services in an unauthorised manner. This includes, but is not limited to, the distribution of materials infringing intellectual property rights, the distribution of texts and/or visual and/or audio materials violating criminal law, computer intrusion ("hacking") and the destruction, damaging or rendering unusable of any systems of ECT or third parties.

The customer will refrain from every form of bribery or corruption or the use of illegal or otherwise improper means for the purpose of gaining any advantage for itself or third parties.

3.4 Intellectual Property

The performance of agreements does not result in any changes with regard to intellectual property rights. ECT's intellectual property rights are not transferred to the customer.

3.5 GDPR

In so far as personal data are processed, these personal data will be processed in a proper and careful manner and in accordance with the General Data Protection Regulation ("GDPR"). Reference is made to Article 4 of the GDPR for a description of 'personal data'.

3.6 Use of Data by ECT

ECT will execute the Services on its terminals strictly according to the received Data of- or on behalf of the User. Any information provided by ECT has been compiled by ECT to the best of its ability and as accurate and complete as possible.

In case the User has chosen for indirect Electronic Data Communication via an Intermediate Party, the Data from the Intermediate Party will be leading for ECT for the execution of the Services and ECT will only accept responsibility for Data it has transferred to the Intermediate Party. ECT will only accept Electronic Data Communication with Intermediate Parties which have committed themselves to the ECP.

3.7 Liability

In no event ECT will be liable for any damage caused by loss of information, or any incorrectness or incompleteness of, or any inconsistency in the Data provided by the User or by third parties, whether or not on behalf of the User. Neither will ECT be liable for any damages caused by the User's improper use of the right access or the improper share of Data by and/or on behalf of the User. The User will hold ECT harmless for any damage suffered by ECT due to any incorrectness or inconsistency of the Data provided or improper use of the right access or the improper share of Data and will indemnify ECT against any claims of third parties in this respect.

ECT is never liable for indirect damage, including but not limited to consequential damage, loss of profit, business interruption, loss of data and data degradation.

If an agreement pertains to an estimate to be provided by ECT, including but not limited to (discharge) planning, the estimate will be updated regularly. However, ECT does not guarantee the accuracy of the estimate.

ECT is at any time entitled to refuse performance of agreements for reasons that it considers to be well-founded and/or to deny the customer access to one of the channels (see 1.2), either permanently or temporarily. Any refusal and/or temporary or permanent denial of access to one of the channels will not result in liability for damages on the part of ECT.

Eventual subjects not governed by this ECP are governed by the latest version of the general terms and conditions of the Rotterdam Terminal Operators' Association (VRTO), to be obtained via the following   link: https://www.ect.nl/sites/www.ect.nl/files/documenten/publicaties/090902_gedeponeerde_algemene_voorwaarden_vrto_en.pdf.

3.8 Force majeure

For the purpose of this ECP, force majeure shall mean the situation in which execution of the Services by ECT is prevented, either in whole or in part, temporarily or permanently, due to a circumstance that is not attributable to ECT, waaronder, doch niet uitsluitend, een tekortkoming van een externe hostingproviders en toeleveranciers van ECT en onderbrekingen of storingen in de stroom- en/of telecommunicatievoorzieningen.

In case of temporary force majeure, the execution of the Services will be suspended, either in whole or in part, for the duration of the force majeure, without ECT supplier being liable for any damages.

APPENDIX I ABBREVIATIONS & DEFINITIONS

In the following Appendices II, III and IV the wording and abbreviations starting with a capital letter, save where the context requires otherwise, shall have the following meanings:

APPLICATION
Specific part on the Website where specific Data regarding an E-Service is entered, collected or exchanged.

BARGE Operator
Operator of an inland river vessel. A barge is a ship constructed to carry containers and fit to be handled by a container gantry crane with standard spreader, which vessel is employed in rendering inland waterway container transportation services to the Line.

CAD
"Centraal Aanmeldpunt Deepsea".
The ECT department CAD is the focal point for the deepsea operators and liner agents.

CAF
"Centraal Aanmeldpunt Feeder".
The ECT department CAF is the focal point for the feeder operators.

CAL
"Centraal Aanmeldpunt Lichter".
The ECT department CAL is the focal point for the barge operators.

CAR
"Centraal Aanmeldpunt Rail".
The ECT department CAR is the focal point for the rail operators.

CCE
"Centraal Coördinatiecentrum ECT, Shipplanning department".

CENTRAL PLANNER
Shipping companies vessel planner.

CONTAINER OPERATOR
Owner of the container boxes and/or rental boxes provided by the Shipping line. Deep sea information related to a container is communicated with the Container operator. Information related to the vessel is communicated with the vessel operator.

FEEDER Operator
Commercial and dedicated short-sea and feeder operator. A container feeder vessel is a ship constructed to carry containers and fit to be handled by a container gantry crane with standard spreader, which vessel is owned, chartered or employed by the Line in rendering container transportation services to the Line, for connecting purposes to container deep-sea vessels.
Feeder operators can also act as box operator in relation with their own shipments.

FINANCE
The financial department of ECT.

GAD
"Gate and administration Desk".
The ECT department GAD is the focal point for Data administration and gate facility.
RAIL Operator
Train operator transporting containers by railcar.
Shipplanning
ECT Shipplanning department.

TRUCK
Hauliers transporting containers by road.

VESSEL OPERATOR
A party operating a commercial and dedicated deepsea vessel on international continental waters, by sequence rotation routings. This also includes consortia member lines operating on the same vessel. The Container Deepsea Vessel is a ship constructed to carry containers and fit to be handled by a container gantry crane with standard spreader, which vessel is owned or chartered (in whole or in part) by the Line and employed in rendering regular intercontinental container transportation liner services. ECT considers a party as Vessel operating party just for specific vessel Data exchange; all other Data exchange will be done under the Container operator Data exchange.

APPENDIX II PRIMARY SERVICES FOR INFOMATION EXCHANGE

1 <u>General</u>

This chapter describes the principal Electronic Data Communication between ECT and the User per modality via the means of communication. Supplementary services are in use and continuously being developed. These are described on the Website MyServices.

The Primary Services via EDI messages are described in Appendix III. Appendix IV describes the Primary MyServices.

2 <u>Modality Deepsea (Vessel Operator)</u>

Communications between ECT and the Vessel Operator.

Summary of electronic communications

	Information	From	To	EDI	MyServices	Remarks
1	Vessel Schedule	Vessel operator	CAD	IFTSAI	Vessel Calls Delta	
2	Vessel call confirmation	CAD	Vessel operator		Vessel Call Delta	
3	Bayplan (incoming)	Central planner	Shipplanning	BAPLIE		
4	Stowage instructions	Central planner	Shipplanning	MOVINS		
5	Bayplan (outgoing)	Shipplanning	Central planner	BAPLIE		Copy to next POD
6	Terminal Performance Report	Shipplanning	Vessel operator and vessel partners		TPR Reports	
7	Invoice	Finance	Vessel operator and vessel partners	INVOIC	e-Invoicing	

3 <u>Modality Deepsea (Container Operator)</u>

Communications between ECT and the Container Operator.

Summary of electronic Data to exchange

	Information	From	To	EDI	MyServices	Remarks
1	Vessel Call	Container Operator	CAD	IFTSAI	Update Vessel Voyage	(partner) voyage number
2	Booking information	Container Operator	GAD	COPARN	Acceptance Order	
3	Release information	Container Operator	GAD	COREOR	Release order	
4	Discharge order	Container Operator	GAD	COPRAR		
5	Load order	Container Operator	GAD	COPRAR		
6	Gate move report	GAD	Container Operator	CODECO		
7	Vessel move report	GAD	Container Operator	COARRI		

8	Vessel move report to Portbase	GAD	Portbase	COARRI		service "Import Manifest"
9	Terminal Performance Report	Shipplanning	Container Operator		TPR-report	
10	Vessel Invoice	Finance	Container Operator	INVOIC	e-invoicing	
11	General reporting	GAD	Container Operator		Reports	- 24H reports - Load and discharge lists
12	Verified Gross Mass report	Container Operator	GAD	VERMAS	CID	

4 **Modality Feeder**

Communication between ECT and the Feeder Operator.

Summary of electronic Data to exchange

	Information	From	To	EDI	MyServices	Remarks
1	Vessel schedules	Feeder Operator	CAF	IFTSAI	Vessel Calls Delta	
2	Schedule confirmation	CAF	Feeder Operator		Vessel Calls Delta	
3	Bayplan (incoming)	Feeder Operator	Shipplanning	BAPLIE		
4	Stowage instructions	Feeder Operator	Shipplanning	MOVINS		
5	Booking information (own shipments)	Feeder Operator	GAD	COPARN	Acceptance Order	
6	Release information (own shipments)	Feeder Operator	GAD	COREOR	Release order	
7	Discharge order	Feeder Operator	GAD	COPRAR		
8	Load order	Feeder Operator	GAD	COPRAR		
9	Gate move report (own shipments)	GAD	Feeder Operator	CODECO		
10	Vessel move report		Feeder Operator	COARRI		
11	Vessel move report to Portbase	GAD	Portbase	COARRI		service "Import Manifest"
12	Bayplan (outgoing)	Shipplanning	Feeder Operator	BAPLIE		
13	Terminal Performance Report	Shipplanning	Feeder Operator		TPR-report	
14	Vessel invoice (own shipments)	Finance	Feeder Operator	INVOIC	e-invoicing	
15	General	GAD	Feeder		Reports	- 24H reports

	reporting		Operator			- Load and discharge lists
16	Verified Gross Mass report	Container Operator	GAD	VERMAS	CID	

5 **Modality Barge**

Communication between ECT and the Barge Operator.

Summary of electronic Data to exchange

	Information	From	To	EDI	MyServices	Remarks
1	Call information	Barge Operator	CAL		Vessel Calls Delta	Portbase Barge planning
2	Call confirmation	CAL	Barge Operator		Vessel Calls Delta	Portbase Barge planning
3	Container status request	Barge Operator	GAD	COPINO	Container Status Inland Carrier	COPINO-13
4	Discharge order	Barge Operator	GAD	COPINO	Pickup/delivery order	COPINO-600
5	Load order	Barge Operator	GAD	COPINO	Pickup/delivery order	COPINO-601
6	Status report	GAD	Barge Operator	APERAK		
7	Gate move report	GAD	Barge Operator	CODECO		
8	Gate move report to Portbase	GAD	Portbase	CODECO		Portbase service Barge planning
9	General reporting	GAD	Barge Operator		Reports	- 24H reports - Load and discharge lists

6 **Modality Rail**

Communication between ECT and the Rail Operator.

Summary of electronic information to exchange

	Information	From	To	EDI	MyServices	Remarks
1	Rail track information	Rail Operator	CAR			Portbase Barge planning
2	Rail track confirmation	CAR	Rail Operator			Portbase Rail planning
3	Container status request	Rail Operator	GAD	COPINO	Container Status Inland Carrier	COPINO-13
4	Discharge order	Rail Operator	GAD	COPINO	Pickup/delivery order	COPINO-600
5	Load order	Barge Operator	GAD	COPINO	Pickup/delivery order	COPINO-601
6	Status report	GAD	Barge Operator	APERAK		
7	Gate move report	GAD	Barge Operator	CODECO		

8	Gate move report to Portbase	GAD	Portbase	CODECO		Portbase service Barge planning
9	General reporting	GAD	Barge Operator		Reports	- 24H reports - Load and discharge lists

7 **Modality Road Truck**

Communication between ECT and the Truck operator

Summary of electronic information to exchange

	Information	From	To	EDI	MyServices	Remarks
1	Container status request	Truck Operator	GAD	COPINO	Inland Carrier	COPINO-13
2	Delivery order	Truck Operator	GAD	COPINO	Pickup / Delivery Order	COPINO-600
3	Pickup order	Truck Operator	GAD	COPINO	Pickup / Delivery Order	COPINO-601
4	Status report	GAD	Truck Operator	APERAK		
5	Gate move report	GAD	Truck Operator	CODECO		

8 **Exchange with a Maasvlakte Container Yard**

Communication between ECT and the Maasvlakte Container Yards (MCY).

Sequence of information exchange

Container-flow from MCY to ECT-yard

Line > MCY	Coreor		--
ECT > MCY	Copino-pickup		Trigger: Saved changes to laad/los-lijst cq ITT-order
MCY > ECT	Aperak	Status pre-advised container	Express shows status
MCY > ECT	Codeco (-50)	Container on MTS	in container inquiry: position is on MTS
MCY > Line	Codeco (-)	Gate-out move	--
MCY > ECT	Codeco (-70)	MTS ready (loaded)	
ECT > MCY	Codeco (-60)	MTS departs from MCY buffer	Trigger: DEPBUFFER
ECT > Line	Codeco (-)	Gate-in move	Trigger: GATE IN

Container-flow from ECT-yard to MCY

Line > MCY	Coparn		--
ECT > MCY	Copino-delivery		Trigger: Saved changes to laad/los-lijst cq ITT-order
MCY > ECT	Aperak	Status pre-advised container	Express shows status
ECT > Line	Codeco (-)	Gate-out move	Trigger: GATE OUT
ECT > MCY	Codeco (-50)	MTS arrives at MCY buffer	Trigger: ARRBUFFER
MCY > ECT	Codeco (-60/-11)	Container from MTS	
MCY > Line	Codeco (-)	Gate-in move	--
MCY > ECT	Codeco (-70)	MTS ready (empty)	

Container-flow from MCY to Rail / Barge

Operator > ECT	Copino-pickup		
ECT > Operator	Aperak		
Line > MCY	Coreor		--
ECT > MCY	Copino-pickup	Containers on loadlist	Trigger: Saved changes to laad/los-lijst cq ITT-order
MCY > ECT	Aperak	Status pre-advised container	Express shows status
ECT > MCY	Tracom	Planning of containers	
MCY > ECT	Codeco (-50)	Container on MTS	in container inquiry: position is on MTS
MCY > Line	Codeco (-)	Gate-out move	--
MCY > ECT	Codeco (-70)	MTS ready (loaded)	
ECT > MCY	Codeco (-60)	MTS departs from MCY buffer	Trigger: DEPBUFFER
ECT > Line	Codeco (-)	Gate-in move	Trigger: GATE IN
ECT > Line	Codeco (-)	Gate-out move	Trigger: GATE OUT

Container-flow from Rail / Barge to MCY

Operator > ECT	Copino-delivery		
ECT > Operator	Aperak		
Line > MCY	Coparn		--
ECT > MCY	Copino-delivery	Container on dischargelist	Trigger: Saved changes to laad/los-lijst cq ITT-order
MCY > ECT	Aperak	Status pre-advised container	Express shows status
ECT > Line	Codeco (-)	Gate-in move	Trigger: GATE IN
ECT > Line	Codeco (-)	Gate-out move	Trigger: GATE OUT
ECT > MCY	Codeco (-50)	MTS arrives at MCY buffer	Trigger: ARRBUFFER
MCY > ECT	Codeco (-60/-11)	Container from MTS	--
MCY > Line	Codeco (-)	Gate-in move	
MCY > ECT	Codeco (-70)	MTS ready (empty)	

Container-flow from MCY (origin) to MCY (destination)

Line > MCYD	Coparn		--
Line > ECT	Coparn		
ECT > MCYO	Copino-pickup		Trigger: Saved changes to laad/los-lijst cq ITT-order
MCYO > ECT	Aperak	Status pre-advised container	Express shows status
MCYO > ECT	Codeco (-50)	Container on MTS	in container inquiry: position is on MTS
MCYO > Line	Codeco (-)	Gate-out move	--
MCYO > ECT	Codeco (-70)	MTS ready (loaded)	
ECT > MCYO	Codeco (-60)	MTS departs from MCY buffer	Trigger: DEPBUFFER
ECT > MCYD	Codeco (-50)	MTS arrives at MCY buffer	Trigger: ARRBUFFER
MCYD > Line	Codeco (-)	Gate-in move	--
MCYD > ECT	Codeco (-70)	MTS ready (empty)	

APPENDIX III PRIMARY EDI EDIFACT MESSAGES

1 <u>General</u>

Here an overview of essential EDI EDIFACT messages is provided. For implementation of EDI connections, please contact ECT directly.

See SMDG website (http://www.smdg.org) for downloadable message specifications:

- APERAK
- BAPLIE Vessel layout
- COARRI Container load / discharge confirmation
- CODECO Container gate in / out confirmation
- COPARN Container Announcement / container release
- COPINO Container pickup /delivery pre-notification
- COPRAR Container discharge / load order
- COREOR Container release order
- IFTSAI Vessel schedule information
- IFTSTA Equipment status report
- INVOIC Invoice Billing message
- MOVINS Stowage Instruction
- TPFREP Terminal Performance Report
- TRACOM Train composition
- VERMAS Verified Gross Mass report

2 <u>APERAK</u>

Application error and acknowledgement message. This message informs the message issuer that the message has been received by the addressee's application and has been rejected due to errors encountered during the process in the application. This message is also sent to acknowledge a message issuer the receipt of his message by the addressee's application.

3 <u>BAPLIE</u>

The EDIFACT Bayplan will be used to transmit information about all occupied places onboard of a vessel to interested parties like the shipowner and the terminal operators in the next port of call.
BAPLIE for next port
The terminal (ECT) provides the next port with a bayplan regarding the stowage information of the vessel.

4 <u>COARRI</u>

The COARRI message shows the Data of loaded and discharged containers in operation.
Container discharge and loading conformation per container.

5 <u>CODECO</u>

A message by which a container terminal (in general), depot, etc. confirms that the containers specified has been delivered or picked up by the Inland Carrier (Road Truck operator, Rail operator or Barge operator). This message can also be used to report internal terminal container movements (excluding loading and discharging a Deep-sea vessel or Feeder vessel).

6 <u>COPARN</u>

Container pre-announcement and release notice.

The acceptance order is send by the Container operator to permit ECT to accept containers on the terminal or to release empty containers for the next transport mode. Unused Booking data, received by Coparn messages will be discarded after 90 days.

7 COPINO

A message by which an inland carrier notifies the delivery or pick-up of containers. This message is part of a total set of container-related messages. These messages serve to facilitate the intermodal handling of containers by streamlining the information exchange.

8 COPRAR

The container discharge and loading list (COPRAR message) is used to transmit an order to load containers on or discharge containers from a seagoing vessel. This message is commonly sent by the shipping line (or agent) to the terminal operator handling the vessel.

In addition to containers to be loaded or discharged, the COPRAR message may also be used to transmit details on containers that are to be shifted on board the Deep Sea Vessel or Containers that are to be discharged and reloaded (re-stowed) onto the Deep-Sea Vessel.

9 COREOR

Container release order send by the Container operator to permit ECT to release the container to the collecting party. Unused Release data, received via Coreor message will be discarded after 45 days if no ultimate release date is provided.

10 IFTSAI

Schedule Requests and Reports. A message from/to a liner agent to/from a local authority (e.g. port authority), Container terminals, Schedule Portal or consortia member lines, to inform the parties of the long term schedule, mid-term schedule, short term schedule or schedule updates, giving information on the actual vessel schedule information and container or cargo operations.

11 INVOIC

Electronical invoicing which provides the freight cost and other charges to the Container operator by electronically means.

12 MOVINS

The EDIFACT Stowage instruction "MOVINS" will be used to transmit information about ALL activities like discharging, shifting, restowing and loading on a specified means of transport from the operator or owner of the means of transport to any party involved with the operation on this means of transport at a certain place.

13 TPFREP

Terminal Performance Departure Report

14 TRACOM

A message designed to compose a train/shuttle constitution.
The TRACOM message this is a bilateral messages between ECT Delta terminal and APMT terminal.

15 VERMAS

The Verified Gross Mass message (VERMAS) permits to submit the Verified Gross Mass of the packed container and supporting information as legally required by the SOLAS Convention Chapter VI, Part A, Regulation 2.

APPENDIX IV PRIMARY MYSERVICES

1 <u>General</u>

The ECT Website has a public part and an extranet part. To access the extranet you have to register yourself to obtain a personal Account. After login with your account and password you have access to the below mentioned MyServices.

2 <u>Public services</u>

Object Status
This service shows you the current status of all objects (deepsea, shortsea, barge, feeder or rail) at the terminals of ECT.

SMS Object Status
Get the current status of your object (deepsea, shortsea, barge, feeder or rail) at the terminals of ECT in Rotterdam by sending a SMS to ECT with the following structure: OS [space] [part of object name]
Send your SMS to SMS nr: +31 06 42500510. You only can get more information about your object if you are authorized for Object Status Extra.

Container Status
This service shows you the current status of one or more containers at the terminals of ECT.

Terminal Overview
This service shows you a terminal overview of all objects (deepsea, shortsea, barge, feeder or rail) at the terminals of ECT.

Registration Request
Use this form to register yourself to ECT.nl.

Request new password
Use this service to ask ECT to send you a new password (via e-mail).

3 <u>Common non-public services</u>
With registration to ECT.nl you have access to the following common non-public services:

Authorisations
Use this form for expanding your authorisation on available services and applying for additional MyServices.

My profile
You can see and update your user profile details.

Object Status Alert
This service gives you the possibility to configure alerts on events (e.g. alert on arrival) on every object (deepsea, shortsea, barge, feeder or rail) with a specific object name or voyage number. ECT can send an alert to you via SMS or e-mail.
You can get more information about your object if you are authorized for Object Status Extra.

Reference code list Call signs
With this service you can find the call sign of a specific vessel.

Reference code list IMO-UNDG
With this service you can find a specific IMO code or UNDG number.

Reference code list Master codes

With this service you can find the master code of a specific operator name.

Reference code list Size types
With this service you can find the size type of a specific length, height and type.

Reference code list UNLO-Codes
With this service you can find the UNLO-code of a specific country and city.

Terminal Overview
This service shows a terminal overview of all objects (deepsea, shortsea, barge, feeder or rail) at the terminals of ECT.

If you are <u>registered and authorized</u> you can have access to the following non-public services.

4 **Tracking & Tracing services (authorized)**

Object Status Extra
For authorized users Object Status Extra contains the actual discharge and loading figures.

Container Status Extra
For authorized users Container Status Extra contains more detailed information like release and hold status.

Container Status Inland Carrier Delta/Euromax
The inland carrier tool offers an operator the opportunity to check the status of a container which the operator is planning to pre-notify for export or import. The inland carrier tool for export advises the operator about the existence of the export booking, the container's ECT departure terminal and the Cargo Opening Time. The inland carrier tool for import advises about the presence of the import container, the document availability, the release and the customs block. Based on all this information the operator can determine the correct load and discharge list.

Container Status Inland Carrier Import
This service shows you the current status of one or more containers at the terminals of ECT-Delta or Euromax by entering a container prefix, number and a correct release number (pin code).

Container Status Inland Carrier Export
This service shows you the current status of one or more bookings at the terminals of ECT-Delta or Euromax by entering a container operator code, booking number and size type. By entering one or more container prefix/numbers at the same time you can also check if a specific container is known for one of the bookings.

Container Booking Overview Delta/Euromax
This service shows you the current status of one or more bookings at the terminals of ECT by entering a container operator code, booking number and size type. This service shows also all containers which are found for the booking. By entering one or more container prefix/numbers at the same time you can also check if a specific container is known for one of the bookings.

5 **Order services (authorized)**

Acceptance Order Delta/Euromax
With this service you can send an acceptance order to the ECT-Delta or Euromax terminal for one of more of your containers. Max. 90 days before vessel ETA.
Customer Blockade Order
With this service you can block/unblock (by customer or off-hire) one or more of your containers at all terminals of ECT-Delta or Euromax.

Discharge/load Order
With this service you can submit discharge and loading orders for a feeder/deepsea object to all terminals of ECT.

Document Order Import
With this service you can send an import document (type and number) to a terminal of ECT in Rotterdam for one or more of your containers.

Pickup/delivery Order
The web converter is an alternative for electronic Data interchange, developed by ECT in order to offer all parties mentioned, the opportunity to send container pre-notification for both export and import in an electronic way. The operator inserts particular mandatory container Data in an excel file and subsequently submits this file to ECT on the Website where the date in the file is automatically converted into EDIFACT.

Release Order
With this authorized service the Container operator / Feeder operator can release containers for a particular modality. With the multiple button it is possible to submit release orders for more than one Container (by copy/paste in excel format). The release reference (or Pin code) must be different than the related container number and consist of 4-17 characters. The container release order will expire after the ultimate release date.

Update Vessel Voyage
With this service you can send a vessel schedule or an update on the voyage numbers to the ECT department CAD.

Vessel Calls Delta
With this service the (feeder) Line can request a vessel call at the ECT Delta terminal. The call application is assessed by ECT CAD/CAF department.

6 **Orders Overview services (authorized)**
If you are authorized to an order service you also are authorized to the specific order overview.

Acceptance Order Overview Delta/Euromax
With this service you can see which acceptance orders you send to the ECT-Delta and Euromax terminal.

Discharge/load Order Overview
With this service you can see which discharge/load orders you send to the ECT terminals.

Document Order Overview
With this service you can see which document orders you send to the ECT terminals.

Pickup/delivery Order Overview
With this service you can see which pickup/delivery orders you send to the ECT terminals.

Release Orders Overview
With this service you can see which release orders for your containers are received and confirmed by one of the ECT terminal systems of Rotterdam.

7 **Report services (authorized)**

24 Hours Reports
This service shows you all your available 24 hours reports for a specific operator code for a specific day.

Load/Discharge Object Lists
This service shows you the load/discharge lists of objects (vessel and rail) at the ECT terminals in Rotterdam.

Load/discharge Container lists
This service shows you the load/discharge container lists of objects (vessel and rail) at the terminals of ECT in Rotterdam.

Load/Discharge Object Detail Lists
This service shows you the load/discharge container list per object (vessel or train) sorted per container operator for the terminals of ECT in Rotterdam.

Terminal Performance Reports
This service shows you the Terminal Performance Reports per object departed from the ECT terminals in Rotterdam.

Terminal Performance Reports Specials
This service shows you the Terminal Performance Reports Specials per object at the terminals of ECT.

E-Invoicing
This service publishes the invoices which you can download from the website. A new feature is the XLM e-invoice download via web-services. Also the SFTP connection for downloading the invoices is available.

8 Other services

Alliance Overview
With this authorized service you can see which alliances and services are known in ECT, with their partners, slot charters and vessels.

Scan Overview
With this service a User can find which of your containers are selected for customs scan and see which status they have. This service is only written in Dutch language.