



**ThPA S.A.**  
PORT OF THESSALONIKI

# DOCUMENTATION OF XML MESSAGES

USED FOR THE COMMUNICATION WITH THE C.T. OF THESSALONIKI PORT AUTHORITY

THPA S.A.  
2024

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# Introduction

In the case of Interconnection of the Comprehensive Information System with the information system of an agent to send XML messages, a special application installed on the client undertakes to send properly structured XML messages created through its computerization within the structures agreed with ThPA SA.

After each message is sent, the control and storage procedure, which is common for all cases, is followed. In any case, when sending data over the Internet, the security and Integrity of transactions is ensured using encryption techniques (SSL).

The process can be summarized as follows:

- Interconnection of the Comprehensive Information System with the information system of an agent (Business to Business);
- Issuance of smart cards for all drivers working with the agent (Card issuance is suspended);
- Request to enter the system (password issuance);
- Trial message sending;
- When an agent has the XML message creation/sending application ready, he/she shall inform the Authority to check these messages for their correctness;
- Trial period;
- Prior to the full Integration of the agent into the Comprehensive Information System, an Intermediate period of "control" precedes, with the cooperation of the old-handwritten system and the new-computerized system.

The messages mentioned refer to the XML structures of the files used during the communication between ThPA S.A. and its clients.

## Field types

The field types used are:

- Varchar - String/Alphanumeric
- Integer (Length:4) – Integer/Numeric
- Decimal (Length:9, Precision:15, Scale:5) - Real
- Datetime (Length:8) in the form of (DD/MM/YYYY HH:MM:SS)
- Bit (Length:1) – Boolean (True or False)

ALL message fields should be displayed in XML and be completed as necessary.

## Message headers

Each XML message being sent should have the type of encoding used as well as the type of message in the first two lines.

## Encoding

The encoding used is that of Greek (ISO-8859-7). So, the first line of each XML message will have the following form:

```
<?xml version="1.0" encoding="ISO-8859-7"?>
```

## Message types

The second line describes the type of message and the location of the Document Type Definition (DTD) as follows:

```
<!DOCTYPE [MESSAGE TYPE] SYSTEM "MESSAGE TYPE.dtd">
```

The message types supported are:

Message type	Vessel messages		Rail messages	
	Code	DTD	Code	DTD
Notice of arrival	CALINF	CALINF.dtd	-	-
Notice of deposition	COPRAR1	COPRAR1.dtd	-	-
Notice of loading	COPRAR2	COPRAR2.dtd	RAILCOPRAR2	RAILCOPRAR2.dtd
Notice of unloading	COPRAR2	COPRAR2.dtd	RAILCOPRAR2	RAILCOPRAR2.dtd
Order for special handling order	COHAOR	COHAOR.dtd	COHAOR	COHAOR.dtd
Order for Pass Through	COREOR	COREOR.dtd	COREOR	COREOR.dtd
Order for Transportation from warehouse after stuffing	COREOR	COREOR.dtd	COREOR	COREOR.dtd
Release Order	COREOR	COREOR.dtd	COREOR	COREOR.dtd
Verified gross mass message	VERMASIn	VERMASIn.dtd	VERMASIn	VERMASIn.dtd

## Recipients List

The recipient list must always be included in the message and completed as follows:

In any case, the port code ('Port') will be Thessaloniki ('GRSKG') while the recipient ('Company') will again be Thessaloniki 'THPA'.


*<Recipients\_List>*

*<Port>GRSKG</Port>*

*<Company>THPA</Company>*

*</Recipients\_List>*

## Allowed data types

In the following tables, there are fields where data shall be provided from a set of allowable data types (lookup). These fields are marked with the symbol 


Tables with the allowable data types are in separate TXT files.

For the data types in fields involving agents and/or companies (Company, Sender, Ship\_owner, Primary\_Agent, Secondary\_Agent, Invoicee, Cargo\_Owner, Consignor, Last\_Holder\_Of\_Delivery\_Order), there is the application <http://fnet.thpa.gr/companies/>.

# SHIP MESSAGES

## Notice of arrival - CALINF

### Recipients list (RECIPIENTS\_LIST)





Name	Description	Data Type	Size
Port	Port (GRSKG)	String	11
Company 	Recipient (THPA)*	String	11

\* Code of the message Recipient. This code is issued by the port for each partner.

In any case, the port code (which is the minimum number of recipients = 1) is mandatory and must always be included in the list. If there are no other recipients than the partners, then field Company shall have ThPA SA as the recipient, i.e. "THPA".

### Information per message (HEADER)

Name	Description	Data Type	Size	Obligatory
Sender	Client/ AGENT (Sender)	String	11	Yes
EDI_Recipient_ID	Client code (to be used only during the communication with EDI)	String	20	Optional
Message_Code	Client request code	String	20	Yes
Message_Date	Client request date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Captain_Name	Name and Surname of the captain	String	30	Yes
Passengers_No	Number of passengers	Integer	-	Optional
VO_Code	Voyage code	String	10	Yes
Ship_Name	Ship name	String	30	Yes


Name	Description	Data Type	Size	Obligatory
Ship_Flag 	Flag (Country code)	String	5	Yes
Ship_Length	Length	Integer	-	Optional
Ship_Owner	Ship owner	String	11	Yes
Ship_Gross_Capacity	Gross Capacity	Integer	-	Optional
Ship_Net_Capacity	Net Capacity	Integer	-	Optional
Port_Registry 	Port registry number	String	11	Yes
Port-Origin 	Code of port of origin	String	11	Yes
Port_Destination 	Code of port of destination	String	11	Yes
Ship_Depart_Date_Schedule	Estimated departure date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Ship_Arrival_Date_Schedule	Estimated arrival date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Quantity_20_Empty>Loading (container) quantity – 20' Empty (Total)		Integer	-	Yes
Quantity_40_Empty>Loading (container) quantity – 40' Empty (Total)		Integer	-	Yes
Quantity_20_Full>Loading (container) quantity – 20' Full (Total)		Integer	-	Yes
Quantity_40_Full>Loading (container) quantity – 40' Full (Total)		Integer	-	Yes
Quantity_Dangerous>Loading (container) quantity – 40' Dangerous		Integer	-	Yes
Quantity_RORO>Loading (container) quantity – RoRo		Integer	-	Yes
Quantity_20_Empty_Discharge	Discharge (container) quantity – 20' Empty (Total)	Integer	-	Yes
Quantity_40_Empty_Discharge	Discharge (container) quantity – 40' Empty (Total)	Integer	-	Yes
Quantity_20_Full_Discharge	Discharge (container) quantity – 20' Full (Total)	Integer	-	Yes
Quantity_40_Full_Discharge	Discharge (container) quantity – 40' Full (Total)	Integer	-	Yes
Quantity_Dangerous_Discharge	Discharge (container) quantity – Dangerous	Integer	-	Yes

Name	Description	Data Type	Size	Obligatory
Quantity_RORO_Discharge	Discharge (container) quantity – RoRo	Integer	-	Yes
Quantity_Shiftings_Quay	Quantity of shiftings through quay	Integer	-	Yes
Quantity_Shiftings_Ship	Quantity of shiftings on the ship	Integer	-	Yes
Imo_No	Ship's identification number	String	10	Yes
In_Voyage	Ship's In voyage code	String	15	Yes
Out_Voyage	Ship's Out voyage code	String	15	Yes
In_Lane	Service Lane IN	String	5	Yes
Out_Lane	Service Lane OUT	String	5	Yes
IsVoCodeFinal	1 for Transit groups that will change voyage (40 Containers MAX) 0 for normal voyage	Bit	-	Yes



# Notice of unloading - COPRAR2



## Recipients list (RECIPIENTS\_LIST)





Name	Description	Data Type	Size
Port	Port (GRSKG)	String	11
Company 	Recipient (THPA)*	String	11

\* Code of the message Recipient. This code is issued by the port for each partner.



In any case, the port code (which is the minimum number of recipients = 1) is mandatory and must always be included in the list. If there are no other recipients than the partners, then field Company shall have ThPA SA as the recipient, i.e. "THPA".

## Information per message (HEADER)


Name	Description	Type	Size	Obligatory
Sender 	AGENT (Sender)	String	11	Yes
EDI_Recipient_ID	Client code (to be used only during the communication with EDI)	String	20	Optional
Message_Code	Client request code	String	20	Yes
Message_Date	Client request date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Document_Reference	Relevant invoice code - (INVOICE GROUP)	String	20	Optional
Captain_Name	Name and Surname of the captain	String	30	Yes
Ship_Arrival_Date_Schedule	Ship arrival date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Ship_Depart_Date_Schedule	Ship departure date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Ship_Name	Ship name	String	30	Yes
VO_Code	Voyage code	String	10	Yes
Ship_Flag 	Flag (Country code)	String	5	Yes

Ship_Length	Ship length	Integer	-	Optional
Ship_Owner 	To accelerate the process of Introducing agents and transactors of the C.T. into the Comprehensive Information System, it was decided by the Monitoring Committee of the Information System to allow the use of the code of the shipping company that “represents” the particular ship, in cases where it is impossible to identify the ship owner.	String	11	Yes
Ship_Gross_Capacity	Ship gross capacity	Integer	-	Optional
Ship_Net_Capacity	Ship net capacity	Integer	-	Optional
Port_Registry 	Port registry number	String	11	Yes
Port-Origin 	Code of port of origin	String	11	Yes
Port_Destination 	Code of port of destination	String	11	Yes
Passengers_No	Number of passengers	Integer	-	Optional
Quantity_Unload	Quantity of cargo to be unloaded (notice of unloading)	Integer	-	Yes
Quantity_Load	Quantity of cargo to be loaded (notice of loading)	Integer	-	Optional


### Information per Container (DETAIL)

Name	Description	Type	Size	Obligatory
Primary_Agent 	Primary agent	String	11	Yes
Secondary_Agent 	Secondary agent	String	11	Yes
Container_ID	Container ID	String	11	Yes
Container_Type 	Container type	String	2	Optional
Container_Size 	Container size	String	3	Optional
Is_Loaded 	Cargo	Integer	-	Yes
IMO Class 	Container risk	String	5	Yes
Seal_No	Seal number	String	20	Yes
Package_Type 	Package type	String	4	Yes
Units	Units (for all cargo)	Integer	-	Yes
Cargo_Type	Cargo description (text)	String	100	Yes
Cargo_Weight	Total cargo weight (net)	Real	-	Yes
Container_Weight	Empty container weight	Real	-	Yes
Loading_Date	Loading date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Optional
Unloading_Date	Unloading date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Optional
Origin_Code 	Code of container origin/destination	Integer	-	Optional
Registration_Country 	Container registration country	String	5	Yes

Invoicee 	Liable for payment	String	11	Yes
Destination_Port 	Code of port of destination - FINAL DESTINATION	String	11	Yes
Origin_Port 	Code of origin port - THE PORT OF ORIGIN	String	11	Yes
Trans_Port_In 	Previous transit port (for unloading list) Decision of the Ministry of Mercantile Marine (9353/C4-942)  (Legislative Decree number 3627/56 & article 9 of the law number 2392/96 Issue 5A TRAFFIC IN THE GREEK PORTS	String	11	Yes
Trans_Port_Out 	Next transit port (for loading list) Decision of the Ministry of Mercantile Marine (9353/C4-942)  (Legislative Decree number 3627/56 & article 9 of the law number 2392/96 Issue 5A TRAFFIC IN THE GREEK PORTS	String	11	Optional
VGM_Gross_Weight	Certified container weight	Float	-	Optional
Container_Iso_Code	Certified container type/size	String	5	Yes
UNNO	Encoding of dangerous container	Integer	-	Yes (If IMO#0)
Wastes_Cargo	Waste	Bit	-	Yes
Box_Operator 	Box Operator	String	11	Yes
Nor	Non-operating (0/1)	BIT	-	Yes (for reefers)
Set_Point	Required Temperature (Celsius scale)	Float	-	Yes (for reefers)
Humidity	Humidity Setting (percentage)	Float	-	Optional
CO2	CO2 Setting (percentage)	Float	-	Optional
PTI	Pre-Trip Inspection (0/1)	Bit	-	Optional
PTI_Number	Pre-Trip Inspection Number	String	100	Optional

Ventilation	Ventilation Setting (percentage)	Float	-	Optional
O2	Oxygen (percentage)	Float	-	Optional
Power_demand	Power Demand	String	30	Optional
Container_Reference_Number	Unique booking code created by the sender for each container and should be unique per sender and container.  (This number should be returned per container in the response messages CODECO, COARRI, ETC)	String	40	Optional
Cargo_Country_Origin 	Cargo Country Of Origin (Country code)	String	2	Yes
Is_OOG	(0,1) (Oversize/Out of Gauge (OOG) Cargo)	Bit	-	Yes
OOG_Dimension_Left	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the left side	Integer	-	Optional
OOG_Dimension_Right	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the right side	Integer	-	Optional
OOG_Dimension_Front	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the front side	Integer	-	Optional
OOG_Dimension_Back	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the back side	Integer	-	Optional
OOG_Dimension_Top	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the top side	Integer	-	Optional

### Information per Customsdocs (Container)

Name	Description	Type	Size	Obligatory
Customs_type	Document type code	tinyInteger	-	Yes
Customs_Auth_type 	Customs authority code	tinyInteger	-	Yes
CustomsNo	Document number	String	30	Yes

### Information per Bundle (Container)


Name	Description	Type	Size	Obligatory
SubContainer	Container Number	String	11	Yes

**! Bundle Segment is only used for Bundle Containers.!**

The “Master”/Top Containers data should be inputted into the main Container segment while Bundle segment needs to have “sub containers” numbers (1-4 containers per Master Container)

# Notice of loading - COPRAR2



## Recipients list (RECIPIENTS\_LIST)





Name	Description	Data Type	Size
Port	Port (GRSKG)	String	11
Company 	Recipient (THPA)*	String	11

\* Code of the message Recipient. This code is issued by the port for each partner.






In any case, the port code (which is the minimum number of recipients = 1) is mandatory and must always be included in the list. If there are no other recipients than the partners, then field Company shall have ThPA SA as the recipient, i.e. "THPA".

## Information per message (HEADER)










Name	Description	Type	Size	Obligatory
Sender 	AGENT (Sender)	String	11	Yes
EDI_Recipient_ID	Client code (to be used only during the communication with EDI)	String	20	Optional
Message_Code	Client request code	String	20	Yes
Message_Date	Client request date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Document_Reference	Relevant invoice code - (INVOICE GROUP)	String	20	Optional
Captain_Name	Name and Surname of the captain	String	30	Yes
Ship_Arrival_Date_Schedule	Ship arrival date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Ship_Depart_Date_Schedule	Ship departure date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Ship_Name	Ship name	String	30	Yes
VO_Code	Voyage code	String	10	Yes
Ship_Flag 	Flag (Country code)	String	5	Yes



Name	Description	Type	Size	Obligatory
Ship_Length	Ship length	Integer	-	Optional
Ship_Owner 	To accelerate the process of Introducing agents and transactors of the C.T. into the Comprehensive Information System, it was decided by the Monitoring Committee of the Information System to allow the use of the code of the shipping company that “represents” the particular ship, in cases where it is impossible to identify the ship owner.	String	11	Yes
Ship_Gross_Capacity	Ship gross capacity	Integer	-	Optional
Ship_Net_Capacity	Ship net capacity	Integer	-	Optional
Port_Registry 	Port registry number	String	11	Yes
Port-Origin 	Code of port of origin	String	11	Yes
Port_Destination 	Code of port of destination	String	11	Yes
Passengers_No	Number of passengers	Integer	-	Optional
Quantity_Unload	Quantity of cargo to be unloaded (notice of unloading)	Integer	-	Optional
Quantity_Load	Quantity of cargo to be loaded (notice of loading)	Integer	-	Yes

### Information per Container (DETAIL)


Name	Description	Type	Size	Obligatory
Primary_Agent 	Primary agent	String	11	Yes
Secondary_Agent 	Secondary agent	String	11	Yes
Container_ID	Container ID	String	11	Yes
Container_Type 	Container type	String	2	Optional
Container_Size 	Container size	String	3	Optional
Is_Loaded 	Cargo	Integer	-	Yes



IMO Class 	Container risk	String	5	Yes
Seal_No	Seal number	String	20	Optional
Package_Type 	Package type	String	4	Yes
Units	Units (for all cargo)	Integer	-	Yes
Cargo_Type	Cargo description (text)	String	100	Yes
Cargo_Weight	Total cargo weight (net)	Real	-	Yes (Full containers)
Container_Weight	Empty container weight	Real	-	Optional
Loading_Date	Loading date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Optional
Unloading_Date	Unloading date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Optional
Origin_Code 	Code of container origin/destination	Integer	-	Optional
Registration_Country 	Container registration country	String	5	Optional
Invoicee 	Liable for payment	String	11	Yes
Destination_Port 	Code of port of destination - FINAL DESTINATION	String	11	Yes
Origin_Port 	Code of origin port - THE PORT OF ORIGIN	String	11	Optional
Trans_Port_In 	Previous transit port (for unloading list) Decision of the Ministry of Mercantile Marine (9353/C4-942) (Legislative Decree number 3627/56 & article 9 of the law number 2392/96 Issue 5A TRAFFIC IN THE GREEK PORTS	String	11	Optional
Trans_Port_Out 	Next transit port (for loading list) Decision of the Ministry of Mercantile Marine (9353/C4-942) (Legislative Decree number 3627/56 & article 9 of the law number 2392/96 Issue 5A TRAFFIC IN THE GREEK PORTS	String	11	Yes
VGM_Gross_Weight	Certified container weight	Float	-	Yes
Container_Iso_Code	Certified container type/size	String	5	Yes
UNNO	Encoding of dangerous container	Integer	-	Yes (if IMO # 0)
Wastes_Cargo	Waste	Bit	-	Optional

Box_Operator 	Box Operator	String	11	Yes
Nor	Non-operating (0/1)	Bit	-	Yes (reefers)
Set_Point	Required Temperature (Celsius scale)	Float	-	Yes (reefers)
Humidity	Humidity Setting (percentage)	Float	-	Optional
CO2	CO2 Setting (percentage)	Float	-	Optional
PTI	Pre-Trip Inspection (0/1)	Bit	-	Optional
PTI_Number	Pre-Trip Inspection Number	String	100	Optional
Ventilation	Ventilation Setting (percentage)	Float	-	Optional
O2	Oxygen (percentage)	Float	-	Optional
Power_demand	Power Demand	String	30	Optional
Container_Reference_Number	Unique booking code created by the sender for each container and should be unique per sender and container. (This number should be returned per container in the response messages CODECO, COARRI, ETC)	String	40	Optional
Cargo_Country_Origin 	Cargo Country Of Origin (Country code)	String	5	Optional
Is_OOG	(0,1) (Oversize/Out of Gauge (OOG) Cargo)	Bit		Yes
OOG_Dimension_Left	Can Be Declared Only If Is_OOG=1 Number of centimeters that the container protrudes from the left side	Integer	-	Optional
OOG_Dimension_Right	Can Be Declared Only If Is_OOG=1 Number of centimeters that the container protrudes from the right side	Integer	-	Optional
OOG_Dimension_Front	Can Be Declared Only If Is_OOG=1 Number of centimeters that the container protrudes from the front side	Integer	-	Optional
OOG_Dimension_Back	Can Be Declared Only If Is_OOG=1 Number of centimeters that the container protrudes from the back side	Integer	-	Optional
OOG_Dimension_Top	Can Be Declared Only If Is_OOG=1 Number of centimeters that the container protrudes from the top side	Integer	-	Optional

### Information per Customsdocs (Container)

Name	Description	Type	Size	Obligatory
Customs_type	Document type code	tinyInteger	-	Yes
Customs_Auth_type 	Customs authority code	tinyInteger	-	Yes
CustomsNo	Document number	String	30	Yes

### Information per Bundle (Container)


Name	Description	Type	Size	Obligatory
SubContainer	Container Number	String	11	Yes

**! Bundle Segment is only used for Bundle Containers.!**

The “Master”/Top Containers data should be inputted into the main Container segment while Bundle segment needs to have “sub containers” numbers (1-4 containers per Master Container)

# Notice of deposition - COPRAR1


## Recipients list (RECIPIENTS\_LIST)

Name	Description	Data Type	Size
Port	Port (GRSKG)	String	11
Company 	Recipient (THPA)*	String	11

\* Code of the message Recipient. This code is issued by the port for each partner.








In any case, the port code (which is the minimum number of recipients = 1) is mandatory and must always be included in the list. If there are no other recipients than the partners, then field Company shall have ThPA SA as the recipient, i.e. "THPA".







## Information per message (HEADER)


Name	Description	Type	Size	Obligatory
Sender 	Client/Agent	String	11	Yes
EDI_Recipient_ID	Client code (to be used only during the communication with EDI)	String	20	Optional
Message_Code	Client request code	String	20	Yes
Message_Date	Client request date	DateTime	-	Yes
Ship_Arrival_Date_Schedule	Ship arrival date (Optional)	DateTime	-	Optional
Ship_Name	Ship name (Optional)	String	30	Optional
VO_Code	Voyage code	String	10	Yes (Optional if Free_Empty=1)

Service_Lane_Out	Vessels Service Code Out	String	5	Yes
Free_Empty	Should be set as 0 for full containers (This field is used to indicate if this specific container is required to be loaded to the vessel. If this value is set to 1 then this container can be substituted with any other container with the same characteristics (type,size,box operator). If this value is set to 0 then this specific container will be loaded on the vessel.)	Bit	-	Optional


### Information per Container (DETAILS)

Name	Description	Type	Size	Obligatory
Primary_Agent 	Primary agent	String	11	Yes
Secondary_Agent 	Secondary agent	String	11	Yes
Container_ID	Container ID	String	11	Yes
Container_Type 	Container type	String	2	Optional
Container_Size 	Container size	String	3	Optional
Is_Loaded 	Cargo	Integer	-	Yes
IMO Class 	Container risk	String	5	Yes
Seal_No	Seal number	String	20	Optional
Package_Type 	Package type	String	4	Optional
Units	Units (for all cargo)	Integer	-	Optional
Cargo_Type	Cargo description (text)	String	100	Optional

Cargo_Weight	Total cargo weight (net)	Real	-	Yes
Container_Weight	Empty container weight	Real	-	Optional
Origin_Code 	Code of container origin/destination	Integer	-	Optional
Registration_Country 	Container registration country	String	5	Optional
Origin_Port_Id 	Code of origin port	String	11	Yes
Final_Destination_Id 	Final Destination	String	11	Yes
Trans_Port_Out 	Next transit port (for loading list) Decision of the Ministry of Mercantile Marine (9353/C4-942) (Legislative Decree number 3627/56 & article 9 of the law number 2392/96 Issue 5A TRAFFIC IN THE GREEK PORTS	String	11	Yes
VGM_Gross_Weight	Certified container weight	Float	-	Optional
Container_Iso_Code	Certified container type/size	String	5	Yes
UNNO	Encoding of dangerous container	Integer	-	Yes (If IMO#0)
Wastes_Cargo	Waste	Bit	-	Yes
Box_Operator 	Box Operator	String	11	Yes
Nor	Non-operating (0/1)	Bit	-	Yes (reefers)
Set_Point	Required Temperature (Celsius scale)	Float	-	Yes (reefers)
Humidity	Humidity Setting (percentage)	Float	-	Optional
CO2	CO2 Setting (percentage)	Float	-	Optional
PTI	Pre-Trip Inspection (0/1)	Bit	-	Optional
PTI_Number	Pre-Trip Inspection Number	String	100	Optional

Ventilation	Ventilation Setting (percentage)	Float	-	Optional
O2	Oxygen (percentage)	Float	-	Optional
Power_demand	Power Demand	String	30	Optional
Container_Reference_Number	Unique booking code created by the sender for each container and should be unique per sender and container. (This number should be returned per container in the response messages CODECO, COARRI, ETC)	String	40	Optional
Cargo_Country_Origin 	Cargo Country Of Origin (Country code)	String	2	Yes
Is_OOG	(0,1) (Oversize/Out of Gauge (OOG) Cargo)	Bit		Yes
OOG_Dimension_Left	Can Be Declared Only If Is_OOG=1 Number of centimeters that the container protrudes from the left side	Integer	-	Optional
OOG_Dimension_Right	Can Be Declared Only If Is_OOG=1 Number of centimeters that the container protrudes from the right side	Integer	-	Optional
OOG_Dimension_Front	Can Be Declared Only If Is_OOG=1 Number of centimeters that the container protrudes from the front side	Integer	-	Optional
OOG_Dimension_Back	Can Be Declared Only If Is_OOG=1 Number of centimeters that the container protrudes from the back side	Integer	-	Optional
OOG_Dimension_Top	Can Be Declared Only If Is_OOG=1 Number of centimeters that the container protrudes from the top side	Integer	-	Optional
Contact_Details	<i>Carrier Email Address (If given to this email address special permit code for TAS will be send)</i>	String	100	Optional
Forwarder_Id	<i>Forwarder</i>	String	11	Optional
Is_Big_Load	If container is part of Big Load, Is_Big_Load=1 else Is_Big_Load=0	Bit	-	Optional

### Information per Customsdocs (Container)

Name	Description	Type	Size	Obligatory
Customs_type	Document type code	tinyInteger	-	Optional
Customs_Auth_type 	Customs authority code	tinyInteger	-	Optional
CustomsNo	Document number	String	30	Optional

### Information per Bundle (Container)

Name	Description	Type	Size	Obligatory
SubContainer	Container Number	String	11	Yes


**! Bundle Segment is only used for Bundle Containers.!**

The “Master”/Top Containers data should be inputted into the main Container segment while Bundle segment needs to have “sub containers” numbers (1-4 containers per Master Container)



# Notice of deposition - COPRAR1 for empty containers


## Recipients list (RECIPIENTS\_LIST)

Name	Description	Data Type	Size
Port	Port (GRSKG)	String	11
Company 	Recipient (THPA)*	String	11

\* Code of the message Recipient. This code is issued by the port for each partner.








In any case, the port code (which is the minimum number of recipients = 1) is mandatory and must always be included in the list. If there are no other recipients than the partners, then field Company shall have ThPA SA as the recipient, i.e. "THPA".







## Information per message (HEADER)

Name	Description	Type	Size	Obligatory
Sender 	<u>Client/AGENT</u>	String	11	Yes
EDI_Recipient_ID	Client code (to be used only during the communication with EDI)	String	20	Optional
Message_Code	Client request code	String	20	Yes
Message_Date	Client request date	DateTime	-	Yes
Ship_Arrival_Date_Schedule	Ship arrival date (Optional)	DateTime	-	Optional
Ship_Name	Ship name (Optional)	String	30	Optional

VO_Code	Voyage code	String	10	Yes (Optional if Free_Empty=1)
Service_Lane_Out	Vessels Service Code Out	String	5	Yes
Free_Empty	Should be set as 0 for full containers (This field is used to indicate if this specific container is required to be loaded to the vessel. If this value is set to 1 then this container can be substituted with any other container with the same characteristics (type, size, box operator). If this value is set to 0 then this specific container will be loaded on the vessel.)	Bit	-	Optional


### Information per Container (DETAILS)

Name	Description	Type	Size	Obligatory
Primary_Agent 	Primary agent	String	11	Yes
Secondary_Agent 	Secondary agent	String	11	Yes
Container_ID	Container ID	String	11	Yes
Container_Type 	Container type	String	2	Optional
Container_Size 	Container size	String	3	Optional
Is_Loaded 	Cargo	Integer	-	Yes
IMO Class 	Container risk	String	5	If applicable
Seal_No	Seal number	String	20	Optional
Package_Type 	Package type	String	4	Optional
Units	Units (for all cargo)	Integer	-	Optional

Container_Weight	Empty container weight	Real	-	Optional
Origin_Code 	Code of container origin/destination	Integer	-	Optional
Registration_Country 	Container registration country	String	5	Optional
Origin_Port_Id 	Code of origin port	String	11	Optional
Final_Destination_Id 	Final Destination	String	11	Optional
Trans_Port_Out 	Next transit port (for loading list) Decision of the Ministry of Mercantile Marine (9353/C4-942)  (Legislative Decree number 3627/56 & article 9 of the law number 2392/96Issue 5A TRAFFIC IN THE GREEK PORTS	String	11	Yes
VGM_Gross_Weight	Certified container weight	Float	-	Optional
Container_Iso_Code	Certified container type/size	String	5	Yes
UNNO	Encoding of dangerous container	Integer	-	Yes (If IMO#0)
Wastes_Cargo	Waste	Bit	-	Optional
Box_Operator 	Box Operator	String	11	Yes
Nor	Non-operating (0/1)	Bit	-	Optional
Set_Point	Required Temperature (Celsius scale)	Float	-	Optional
Humidity	Humidity Setting (percentage)	Float	-	Optional
CO2	CO2 Setting (percentage)	Float	-	Optional
PTI	Pre-Trip Inspection (0/1)	Bit	-	Optional
PTI_Number	Pre-Trip Inspection Number	String	100	Optional
Ventilation	Ventilation Setting (percentage)	Float	-	Optional

O2	Oxygen (percentage)	Float	-	Optional
Power_demand	Power Demand	String	30	Optional
Container_Reference_Number	Unique booking code created by the sender for each container and should be unique per sender and container.  (This number should be returned per container in the response messages CODECO, COARRI,ETC)	String	40	Optional
Is_OOG	(0,1) (Oversize/Out of Gauge (OOG) Cargo)	Bit	-	Optional
OOG_Dimension_Left	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the left side	Integer	-	Optional
OOG_Dimension_Right	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the right side	Integer	-	Optional
OOG_Dimension_Front	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the front side	Integer	-	Optional
OOG_Dimension_Back	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the back side	Integer	-	Optional
OOG_Dimension_Top	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the top side	Integer	-	Optional
Contact_Details	Carrier Email Address (If given to this email address special permit code forTAS will be send)	String	100	Optional
Forwarder_Id	Forwarder	String	11	Optional
Is_Big_Load	If container is part of Big Load, Is_Big_Load=1 else Is_Big_Load=0	Bit	-	Optional

### Information per Customsdocs (Container)

Name	Description	Type	Size	Obligatory
Customs_type	Document type code	tinyInteger	-	Optional
Customs_Auth_type 	Customs authority code	tinyInteger	-	Optional
CustomsNo	Document number	String	30	Optional

### Information per Bundle (Container)


Name	Description	Type	Size	Obligatory
SubContainer	Container Number	String	11	Yes

**! Bundle Segment is only used for Bundle Containers.!**

The “Master”/Top Containers data should be inputted into the main Container segment while Bundle segment needs to have “sub containers” numbers (1 -4 containers per Master Container)

# Release Order - COREOR


## Recipients list (RECIPIENTS\_LIST)

Name	Description	Data Type	Size
Port	Port (GRSKG)	String	11
Company 	Recipient (THPA)*	String	11


\* Code of the message Recipient. This code is issued by the port for each partner.

In any case, the port code (which is the minimum number of recipients = 1) is mandatory and must always be included in the list. If there are no other recipients than the partners, then field Company shall have ThPA SA as the recipient, i.e. "THPA".


## Information per message (HEADER)

Name	Description	Type	Size	Obligatory
Sender	Client/ Agent	String	11	Yes
Message_Code	Client request code	String	20	Yes
Message_Date	Client request date	DateTime	-	Yes
VO_Code	Voyage code	String	10	Yes
Type_Of_Coreor 	Type Of Coreor (look up table available)	Integer	-	Yes
Delivery_Order	Delivery Order Number/ Normal Release Order	String	100	Yes
Consignor	The company that issues the Delivery Order	String	11	Yes
Last_Holder_Of_Delivery_Order	Holder of The Delivery Order (Secondary Agent/Liner or other party).	String	11	Yes




### Information per Container (DETAIL)

Name	Description	Type	Size	Obligatory
Primary_Agent	Primary agent	String	11	Yes
Container_ID	Container ID	String	11	Yes
Handling_Date_Schedule	Handling date (Containers) depending on the Type_Of_Coreor	DateTime	-	Yes
Delivery_Date_Schedule	Delivery date	DateTime	-	Yes
Origin_Code 	Code of container origin/destination	Integer	-	Optional
Invoicee	Invoicee Of the Delivery Order (Person/Party who is responsible for the payment)	String	11	Yes
Cargo_Owner	Recipient Of the Cargo (recipient)	String	100	Yes
Akla	The code given by the Warehouse system (AKAA)	String	50	Optional
Sub_Akla	The sequence number given by the Warehouse system (Στοίχος)	String	50	Optional
Contact_Details	Carrier Email Address (If given to this email address special permit code for TAS will be send!)	String	100	Optional
Final_Destination_Country	Final Destination country of the cargo	String	5	Optional

### Information per Customsdocs (Container)

Name	Description	Type	Size	Obligatory
Customs_type	Document type code	tinyInteger	-	Optional
Customs_Auth_type 	Customs authority code	tinyInteger	-	Optional
CustomsNo	Document number	String	30	Optional


### Information per Passthrough (Container)

Name	Description	Type	Size	Obligatory
Container_Iso_Code	Certified container type/size	String	5	Yes
IMO_Class 	Container risk	String	5	Yes
Seal_No	Seal number	String	20	Yes
Units*	Units (for all cargo)	Integer	-	Yes
Cargo_Type	Cargo description (text)	String	100	Yes
Cargo_Weight	Total cargo weight (net)	Real	-	Yes
Wastes_Cargo	Waste	Bit	-	Yes
Port_Origin 	Code of port of origin	String	11	Yes
Port_Destination 	Code of port of destination	String	11	Yes



# Order for transfer of containers for inspection - COHAOR

## Recipients list (RECIPIENTS\_LIST)

Name	Description	Data Type	Size
Port	Port (GRSKG)	String	11
Company 	Recipient (THPA)*	String	11

\* Code of the message Recipient. This code is issued by the port for each partner.

In any case, the port code (which is the minimum number of recipients = 1) is mandatory and must always be included in the list. If there are no other recipients than the partners, then field Company shall have ThPA SA as the recipient, i.e. "THPA".

## Information per message (HEADER)

Name	Description	Type	Size	Obligatory
Sender	Client/ AGENT (Sender)	String	11	Yes
Message_Code	Client request code	String	20	Yes
Message_Date	Client request date	DateTime	-	Yes
Clearance_Date	Container clearance date	DateTime	-	Yes
VO_Code	Voyage code	String	10	Yes
Delivery_Order	Delivery Order Number/ Normal Release Order	String	100	Yes
Last_Holder_Of_Delivery_Order	Holder of The Delivery Order (Secondary Agent/Liner or other party).	String	11	Yes

### Information per Container (DETAIL)


Name	Description	Type	Size	Obligatory
Container_ID	Container ID	String	11	Yes

### Information per Handling\_Instructions (Container)

Name	Description	Type	Size	Obligatory
Handling_Code	Vets/Customs/Weighing/ETC (look up table available)	Integer	-	Yes

# Verified gross mass message (incoming message) - VERMASIN

## Recipients list (RECIPIENTS\_LIST)

Name	Description	Data Type	Size
Port	Port (GRSKG)	String	11
Company 	Recipient (THPA)*	String	11



\* Code of the message Recipient. This code is issued by the port for each partner.

In any case, the port code (which is the minimum number of recipients = 1) is mandatory and must always be included in the list. If there are no other recipients than the partners, then field Company shall have ThPA SA as the recipient, i.e. "THPA".

## Information per message (HEADER)

Name	Description	Type	Size	Obligatory
Sender	Port (Sender)	String	11	Yes
EDI_Recipient_ID	Client code (to be used only during the communication with EDI)	String	20	Optional
Message_Code	Client request code	String	20	Yes
Message_Date	Client request date	DateTime	-	Yes
VO_Code	Voyage code	String	10	Yes
Ship_Name	Ship name	String	30	Yes
VO_Code	Voyage code	String	10	Yes
Ship_Arrival_Date_Actual	Ship arrival date	DateTime	-	Yes


### Information per container (DETAIL)

Name	Description	Type	Size	Obligatory
Container_ID	Container ID	String	11	Yes
Container_Type 	Container type	String	2	Yes
Port_Of_Loading	Port of loading	String	11	Yes
Port_Of_Discharge 	Port of Discharge	String	11	Yes
Seal_No	Seal Number	String	20	Yes
Manifest_No	Manifest number	String	20	Yes
VGM_Gross_Weight	Certified container weight	Float	-	Yes
VGM_Creation_Date	Date time of the VGM creation	DateTime	-	Yes

# RAIL MESSAGES

## Notice of loading/unloading - RAILCOPRAR2

### Recipients list (RECIPIENTS\_LIST)

Name	Description	Data Type	Size
Port	Port (GRSKG)	String	11
Company 	Recipient (THPA)*	String	11

\* Code of the message Recipient. This code is issued by the port for each partner.







In any case, the port code (which is the minimum number of recipients = 1) is mandatory and must always be included in the list. If there are no other recipients than the partners, then field Company shall have ThPA SA as the recipient, i.e. "THPA".





### Information per message (HEADER)


Name	Description	Type	Size	Obligatory
Sender	AGENT (Sender)	String	11	Yes
EDI_Recipient_ID	Client code (to be used only during the communication with EDI)	String	20	Optional
Message_Code	Client request code	String	20	Yes
Message_Date	Client request date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Document_Reference	Code of the relevant loading list or deposition list (for the complementary list)	String	20	Optional

Train_Arrival_Date_Schedule	Train arrival date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Train_Depart_Date_Schedule	Train departure date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Yes
Train_Name	Train name	String	30	Yes
VO_Code	Voyage code	String	15	Yes
Quantity_Unload	Quantity of cargo to be unloaded (notice of unloading)	Integer	-	Yes
Quantity_Load	Quantity of cargo to be loaded (notice of loading)	Integer	-	Yes

### Information per Container (DETAIL)


Name	Description	Type	Size	Obligatory
Primary_Agent 	Primary agent	String	11	Yes
Secondary_Agent 	Secondary agent	String	11	Yes
Container_ID	Container ID	String	11	Yes
Container_Type 	Container type	String	2	Optional
Container_Size 	Container size	String	3	Optional
Container_Iso_Code	Certified container type/size	String	5	Yes
Is_Loaded 	Cargo	Integer	-	Yes
IMO Class 	Container risk	String	5	Yes
Seal_No	Seal number	String	20	Yes
Package_Type*	Package type	String	4	Yes
Units*	Units (for all cargo)	Integer	-	Yes

Cargo_Type*	Cargo description (text)	String	4	Yes
Cargo_Weight	Total cargo weight (net)	Real	-	Yes
Container_Weight	Empty container weight	Real	-	Yes
Loading_Date	Loading date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Optional
Unloading_Date	Unloading date (dd/mm/yyyy hh:mm:ss)	DateTime	-	Optional
Origin_Code 	Code of container origin/destination	Integer	-	Yes
Registration_Country 	Container registration country	String	2	Yes
Invoicee*	Liabe for payment	String	11	Yes
Destination	Destination	String	11	Yes
Origin	Origin	String	11	Yes
VGM_Gross_Weight	Certified container weight	Float	-	Yes
Wastes_Cargo	Waste	Bit	-	Yes
UNNO	Encoding of dangerous container	Integer	-	Yes (if IMO # 0)
Box_Operator 	Box Operator	String	11	Yes
Position_On_Wagon 	Position on the wagon (1=Front, 2=Middle, 3=Back )	Integer	-	Optional
Nor	Non-operating (0/1)	Bit	-	Yes (for reefers)
Set_Point	Required Temperature (Celsius scale)	Float	-	Yes (for reefers)
Humidity	Humidity Setting (percentage)	Float	-	Optional
CO2	CO2 Setting (percentage)	Float	-	Optional
PTI	Pre-Trip Inspection (0/1)	Bit	-	Optional

PTI_Number	Pre-Trip Inspection Number	String	100	Optional
Ventilation	Ventilation Setting (percentage)	Float	-	Optional
O2	Oxygen (percentage)	Float	-	Optional
Power_demand	Power Demand	String	30	Optional
Container_Reference_Number	Unique booking code created by the sender for each container and should be unique per sender and container.  (This number should be returned per container in the response messages CODECO, COARRI, ETC)	String	40	Optional
Cargo_Country_Origin 	Cargo Country Of Origin (Country code)	String	5	Yes ( for unloading)
Is_OOG	(0,1) (Oversize/Out of Gauge (OOG) Cargo)	Bit	-	Yes
OOG_Dimension_Left	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the left side	Integer	-	Optional
OOG_Dimension_Right	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the right side	Integer	-	Optional
OOG_Dimension_Front	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the front side	Integer	-	Optional
OOG_Dimension_Back	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the back side	Integer	-	Optional
OOG_Dimension_Top	Can Be Declared Only If Is_OOG=1  Number of centimeters that the container protrudes from the top side	Integer	-	Optional



### Information per Customsdocs (Container)

Name	Description	Type	Size	Obligatory
Customs_type	Document type code	tinyInteger	-	Optional
Customs_Auth_type 	Customs authority code	tinyInteger	-	Optional
CustomsNo	Document number	String	30	Optional

### Information per Bundle (Container)

Name	Description	Type	Size	Obligatory
SubContainer	Container Number	String	11	Yes

**! Bundle Segment is only used for Bundle Containers.!**

The “Master”/Top Containers data should be inputted into the main Container segment while Bundle segment needs to have “sub containers” numbers (1-4 containers per Master Container)

# Reply Messages

After receival of each xml message reply message will be sent back.

## Information Per Response Message

Name	Description	Type	Size	Obligatory
MESSAGECODE	Message code of the original message	String	-	Yes
VOYAGECODE	Voyage code from original message	String	-	Yes
SENDER	Sender of the original message	String	-	Yes
RECEIVER	Receiver of the original message	String	-	Yes
SENDTIME	Date time that the message was send in the following format (20211110144423000)	String	-	Yes
Code	0 = The Original message was successfully accepted by the system 1 = Error has occurred and the original message was not accepted by the system	String	-	Yes
TEXT	Error Message	String	-	Yes

The root of the reply xml will have the following format RES\_NAME\_OF\_THE\_ORIGINAL\_MESSAGE.The list of the reply xml messages:

1. RES\_CALINF
2. RES\_COHAOR
3. RES\_COPRAR1
4. RES\_COPRAR2
5. RES\_COREOR
6. RES\_RAILCOPRAR2
7. RES\_VERMASIN

Example of the RES\_CALINF

```
<RES_CALINF>
  <RESPONSE>
    <MESSAGECODE>message code of the original message</MESSAGECODE>
    <VOYAGECODE>voyage code from original message</VOYAGECODE>
    <SENDER>Sender of the original message</SENDER>
    <RECEIVER>RECEIVER of the original message</RECEIVER>
    <SENDTIME>20211110144423000</SENDTIME>
    <Code>1</Code>
    <TEXT>Error Message</TEXT>
  </RESPONSE>
</RES_CALINF>
```

## Frequently asked questions

- 1. Will we be asked to produce twice the message COPRAR2? One for entry cargo and one for exit cargo? Or once for both categories?**  
You shall send two messages one for the entry cargo and one for the exit cargo.
- 2. "Primary\_Agent": Which agent does it correspond to? What is the field variable?**  
It is the agent of the ship carrying the container.
- 3. "Secondary\_Agent": Which agent does it correspond to? What is the field variable?**  
It is the agent who uses the "line" of the Primary\_Agent to carry that container.
- 4. "Registration\_Country": If we do not know it, what shall we do? Can we use the XX variable?**  
The variable "XX" must not be used. The agent is obliged to know the "Registration\_Country".

**5. "Invoicee": Who is it referring to?**

It is the person liable for payment. It is the person to whom the invoice will be sent.

**6. What are the variables of the fields "Package\_Type", "Units", "Cargo\_Type" in case a container includes many and different cargoes?**

In such a case a) Package\_Type= Container, b) Units= the "sum" of all packages, c) Description: The sum of all corresponding descriptions of all cargoes. Note: In cases 2,3,5 the variables of the fields are the codes of the corresponding clients of ThPA SA. Each agent-client knows their code.

**7. How is the client request code created (Message\_Code)?**

The client request code is a unique code that characterizes every XML message. Therefore, we suggest that it be created according to the following: Client code + unique sequential number of all client XML.

Example:

Let's say that Company A has 123456 as its client code and it creates an XML to ThPA SA.

For the first message, the client request code will be: 12345600000000000000000000000001.

For the second message, the client request code will be: 12345600000000000000000000000002.

**8. Can we send a "complementary" COPRAR for a voyage for which another "initial" COPRAR preceded?**

Yes. The complementary COPRAR shall include:

- The same voyage number.
- An updated HEADER that will include the final number of containers to be loaded or unloaded.
- The new containers in the DETAILS of the XML.
- The message shall be sent before the ship's arrival\*.
- In case that in the complementary COPRAR there are common containers with the original XML, then, the newly added information will replace the old.

**9. What is the format of the Real data types?**

xxxxxx,yyy i.e. the decimal symbol is ",", and not ".".

**10. How do we send the XML messages to ThPA SA?**

Sending data over the Internet is done with the use of encryption techniques (SSL). For the communication protocol specifications, please contact [tos@thpa.gr](mailto:tos@thpa.gr).

**11. How do we create a voyage code (Vo\_Code)?**

The Voyage code must be a unique number that identifies every arrival and departure of a ship. Therefore, we suggest that it be created according to the following:

1. Client code + unique number of arrival and departure of client's ship or
2. Ship Line code + unique number of arrival and departure of client's ship.

In any case, the uniqueness of the voyage code must be ensured, both among voyages of different agents and among voyages of the specific shipping agent that manages the ship.

**12. What characters can be used in fields with STRING data type?**

All characters are acceptable (A-Z) by the system, except for:

- Punctuation marks ( , . / ? « ? : ' ` etc.)
- Symbols & / ^ % \$ # @ ! ( ) + - ~ [ ] { } | \

**13. What type is "Set\_Point" field?**

The type is Integer and NOT real.

**14. BAPLIE / MOVINS EDI MESSAGES**

In addition to the xml messages described in this document we will accept the following EDI messages:

- Baplie Version 2.2
- Movins Version 2.0.4

**15. What is the New BAPLIE / MOVINS message process for trials and tests?**

To meet the requirements of the new vessel planning system, it is necessary to start receiving the BAPLIE and MOVINS messages from the respective Agent in EDI FORMAT. Within the framework of the project, an extension of the existing Web Message Making Mechanism has been implemented through which - with today's personalized access of shipping Agents can upload through a simple web browser the BAPLIE 2.2 / MOVINS 2.0 in EDI format. (link: <http://fnet4.thpa.gr/EdiUploader/Login.aspx> ) Additionally, the relevant files can be sent by e-mail to bayplan@thpa.gr during the trial run.