NAQEL
Shipping API Integration Documentation

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Data Type Element Description

Further details on child elements of the Shipping Services API and their attributes can be shown below.

- **Element**: Element Name

- **Data Type**: The type of data that can be inserted into this field.

- **Required**: Specifies three categories

    - **M** = Mandatory, this field must be filled in all cases.

    - **O** = Optional, this field may or may not be filled.

- **Length**: The maximum number of characters allowed in this field.

Doc Element Description

Further details on Document elements of the Shipping Services API and additional description.
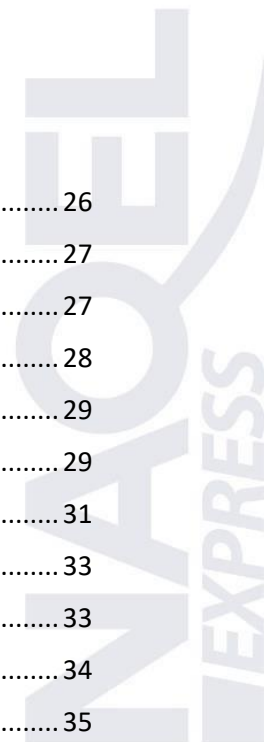
- **Description**: API function description.

- **Table**: Elements list of request data or result data.

- **Note**: Explanatory notes of Request and Result

- **Double**: Double data type keeps two significant digits after the decimal point.

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Catalogue

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How to Create a Booking (Pick-up request)

1 – CreateNewBooking [CreateBooking]

Description: This function is used to create a booking to collect shipments from customer location. The bookings can be of two types:

- Regular prescheduled bookings on agreed days and time, this type of bookings doesn't require this function.
- Adhoc or irregular bookings where collections must be done on request from the shipper, required this function.

Table 1: List of elements present when creating new booking.

Booking Shipment Details				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
BillingType	Int	M		Check **Appendix A** for the list of billing types**.**
PickUpReqDateTime	DateTime	M		Date and time when Naqel Express need to collect the shipment from customer location. Pickup time should be before the time which is going to be provide in the OfficeUpTo field. The time slot for the collection is 2 hours.
PicesCount	Int	M		Number of pieces (boxes/pouches/envelopes/package) belonging to one shipment under one waybill number to be transported to one consignee. (Piece is not an ordered item)
Weight	Double	M		The weight of the shipment (Total weight of all pieces belonging to the shipment) in kilograms.
PickUpPoint	String	M	500	The address of pickup location.
SpecialInstruction	String	O	500	Any instruction can be mention here such as fragile, oversized, additional handling, packaging required.
OriginStationID	Int	M		Check **Appendix B** for the list of stations**.**
DestinationStationID	Int	M		Check **Appendix B** for the list of stations**.**
OfficeUpTo	DateTime	M		The closing time of the office or store (Pickup location).
LoadTypeID	Int	M		Check **Appendix C** for the list of all Load Types. Check Notes.

ContactNumber	String	M	50	The phone number of contact person.
ContactPerson	String	M	250	Name of contact person to whom Naqel representative would call if the address description is not clear or additional information required.

Notes: When creating a new booking, system will return a class called **Result**, check **Table 5** for more information.

- If the value of **HasError = False** that's mean system create the new booking successfully in our system. And in this case system will provide **Key** and **BooingRefNo.** The values of both fields should be saved somewhere in your database, because you may need it if you want to cancel booking, check **Table 2** for cancelling booking.
- If the value of **HasError = True** that's mean system did not create the new booking in our system, and you can get the error message in the **Message** field. If the error message does not help you, please contact Naqel IT team.
- Load Type field is related to the agreements type which you have with our company. You can check the list of load types which you can use by using function **[GetLoadTypeList (ClientInformation)]**.

2 – CancelBooking [CancelBooking]

Description: This function is used to cancel exist booking which created in previous function in cases where you do not need collection or any other reason:

Table 2: List of elements present when cancel booking.

Cancel Booking				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
RefNo	String	M	20	The BookingRefNo which provided when creating the booking.
BookingKey	Int	M		The Key which provided when creating the booking.
CancelReason	String	M	100	The reason for cancelling the booking. Be more specific with cancellation reason to help us improve our service.

Notes: When cancel a booking, system will return a class called **Result**, check **Table 5** for more information.

- If the value of **HasError = False** that's mean system has cancelled the booking successfully.
- If the value of **HasError = True** that's mean system did not cancel the booking in our system, and you will get the error message in the **Message** field.

How to Generate a Waybill

3 – CreateWaybill [CreateWaybill]

Description: This function is used to request waybill No. from Naqel Express System and push all the required data of the shipment.

For any international shipments Commercial Invoice data is mandatory. Commercial invoice data would be also applied for domestic shipments in cases where customer needs e-fulfilment services.

Table 3: List of elements present when creating new waybill.

Manifest Shipment Details				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type
ConsigneeInfo	ConsigneeInformation	M		Check **Table 8** for further details of ConsigneeInfo type.
_CommercialInvoice	CommercialInvoice	M		Check **Table 28** for further details of Commercial Invoice type
Latitude	String	O		If you have the coordinates for the consignee address, you can forward for us the Latitude and Longitude.
Longitude				
BillingType	Int	M		Check **Appendix A** for the list of billing types**.**
PicesCount	Int	M		Number of shipment pieces. It should be between 1 and 99.
Width	Double	O		Default 1.
Length	Double	O		Default 1.
Height	Double	O		Default 1.
VolumetricWeight	Double	O		Default 0.1.
Weight	Double	M		The weight of the shipment.
DeliveryInstruction	String	O	200	Any instruction can be mention here.
CODCharge	Double	M		If the billing type is 5, you should mention how much amount should be collected from consignee. **Item Price + Delivery Service Cost + Shipment Value VAT.** If the billing type is 1 pass 0.
LoadTypeID	Int	M		Check **Appendix C** for the list of all Load Types. Check Notes.
RefNo	String	O	100	You Shipment Reference Number [Order Number]

DeclareValue	Double	O		Shipment Value for Customs purpose. It is optional only if DeclareValue = 0, if DeclareValue > 0 it is mandatory to create Commercial Invoice. See Client Commercial Invoice in **Table28**.
GoodDesc	String	O	250	Goods Description.
InsuredValue	Double	O		Pass a value if you want to have Naqel insurance on your shipments. Otherwise, pass 0. Please refer to agreement for insurance terms.
GeneratePiecesBarCodes	Bool	M		The default value is True, means system will generate a barcode for each box, and your operation should print the stickers and stick them in the boxes. If you change the value to False, system will not generate any barcode for pieces, but our courier will put stickers on the boxes once he picked up the shipment.
CreateBooking	Bool	M		The default value is False, means system will not generate a booking in our system and Naqel salesman will arrange a time to pick up the shipment daily. If you change it to true, system will create the booking, and you should save the **BookingRefNo** in your database for any further query.
PickUpPoint	String	O	200	When CreateBooking is true, this filed is mandatory, you need pass your WH/Location address for domestic pick-up purpose.
CustomDutyAmount	Double	M		The value of Custom Duty Amount of shipment.
GoodsVATAmount	Double	M		The value of Custom Duty Goods VAT Amount.
IsCustomDutyPayByConsignee	Bool	M		The default value is false, in case of custom duty pay by consignee you can change it to true.
Reference1	String	O	100	The value of Client Specific Data.
Reference2	String	O	100	The value of Client Specific Data.
Reference3	String	O	100	The value of Client Specific Data.
CurrencyID	Int	M		It is the DeclareValue CurrencyID, If DeclareValue is more than 0, then CurrencyID is mandatory, otherwise it's optional. Check **Appendix F** for list of currencies.

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IsRTO	Bool	M		Pass false
PromisedDeliveryDateFrom	DateTime	O		
PromisedDeliveryDateTo	DateTime	O		
IncotermsPlaceAndNotes	String	O		information related to the Incoterm

Notes: When creating a new waybill, system will return a class called **Result,** check **Table 5** for more information.

- If the value of **HasError = False** that's mean system created the new waybill successfully in our system. And in this case system will provide **Key** and **WaybillNo**. The values of both fields should be saved somewhere in your database for any further query about that waybill.
- If the value of **HasError = True** that's mean system did not create the new waybill in our system, and you will get the error message in the **Message** field.
- Load Type field is related to the agreements type which you have with our company. You can check the list of load types which you can use it by using this function **[GetLoadTypeList (ClientInformation)]**.

4 – CreateWaybillAlt [CreateWaybillAlt]

Description: This function is quite same as **CreateWaybill** function, the difference is this function accept customers to pass consignee Country/Province/City name directly in the *ConsigneeInfoAlt* filed.

Table 4: List of elements present when creating new waybill.

Manifest Shipment Details Alt				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
ConsigneeInfoAlt	ConsigneeInformationAlt	M		Check **Table 9** for further details of ConsigneeInfoAlt type.
_CommercialInvoice	CommercialInvoice	M		Check **Table 28** for further details of Commercial Invoice type
Latitude	String	O		If you have the coordinates for the consignee address, you can forward for us the Latitude and Longitude.
Longitude				
BillingType	Int	M		Check **Appendix A** for the list of billing types**.**
PicesCount	Int	M		Number of shipment pieces. It should be between 1 and 99.
Width	Double	O		Default 1.
Length	Double	O		Default 1.
Height	Double	O		Default 1.
VolumetricWeight	Double	O		Default 0.1.
Weight	Double	M		The weight of the shipment.
DeliveryInstruction	String	O	200	Any instruction can be mention here.
LoadTypeID	Int	M		Check **Appendix C** for the list of all Load Types. Check Notes.

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GoodDesc	String	O	250		Goods Description.
RefNo	String	O	100		You Shipment Reference Number [Order Number]
CODCharge	Double	M			If the billing type is 5, you should mention how much amount should be collected from consignee. **Item Price + Delivery Service Cost + Shipment Value VAT.** If the billing type is 1 pass 0.
DeclareValue	Double	O			Shipment Value for Customs purpose. It is optional only if DeclareValue = 0, if DeclareValue > 0 it is mandatory to create Commercial Invoice. See Client Commercial Invoice in **Table28**.
InsuredValue	Double	O			Pass a value if you want to have Naqel insurance on your shipments. Otherwise, pass 0. Please refer to agreement for insurance terms.
GeneratePiecesBarCodes	Bool	M			The default value is false, means system will not generate any barcode for pieces, but our courier will put stickers on the boxes once he picked up the shipment. If you change the value to true, system will generate a barcode for each box, and your operation should print the stickers and stick them in the boxes.
CreateBooking	Bool	M			The default value is false, means system will not generate a booking in our system and Naqel salesman will arrange a time to pick up the shipment daily. If you change it to true, system will create the booking, and you should save the BookingRefNo in your database for any further query.
PickUpPoint	String	O	200		When CreateBooking is true, this filed is mandatory, you need pass your WH/Location address for domestic pick-up purpose.
CustomDutyAmount	Double	M			The value of Custom Duty Amount of shipment.
GoodsVATAmount	Double	M			The value of Custom Duty Goods VAT Amount.
IsCustomDutyPayByConsignee	Bool	M			The default value is false, in case of custom duty pay by consignee you can change it to true.
Reference1	String	O	100		The value of Client Specific Data.
Reference2	String	O	100		The value of Client Specific Data.

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CurrenyID	Int	M		It is the DeclareValue CurrencyID, If DeclareValue is more than 0, then CurrencyID is mandatory, otherwise it's optional. Check **Appendix F** for list of currencies.
IsRTO	Bool	M		Pass false
PromisedDeliveryDateFrom	DateTime	O		
PromisedDeliveryDateTo	DateTime	O		
Incoterm	String	O		If Incoterm field is left blank for international shipments it will be automatically allocated based on the Load Type selected usually DDP for the majority of B2C related products. Check **Appendix I** for list of Incoterms.

Notes: When creating a new waybill, system will return a class called **Result,** check **Table 5** for more information.

- If the value of **HasError = False** that's mean system created the new waybill successfully in our system. And in this case system will provide **Key** and **WaybillNo**. The values of both fields should be saved somewhere in your database for any further query about that waybill.
- If the value of **HasError = True** that's mean system did not create the new waybill in our system, and you will get the error message in the **Message** field.
- Load Type field is related to the agreements type which you have with our company. You can check the list of load types which you can use it by using this function **[GetLoadTypeList (ClientInformation)]**.
- If you need use this function, you need provide your full cities information to Naqel team.

5 – Result

Table 5: List of elements in Result structure.

Result			
Element	**Datatype**	**Length**	**Description**
HasError	Bool		= True means transaction fail, you have to check the message provided.
Message	String	200	In case the transaction fail you will get the message error.
WaybillNo	Int		If you called create waybill, you will get the waybill no. And this waybill no should be saved somewhere in your database for any future query.
BookingRefNo	String	15	If you called create booking function, you will get the booking reference no. And this RefNo should be saved somewhere in your database, because you will use in case cancel booking.
Key	Int		

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6 – CancelWaybill [CancelWaybill]

Description: this function is used to cancel waybills before pick up happens:

Table 6: List of elements present when cancel waybill.

Cancel Waybill				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type
WaybillNo	Int	M		The Waybill No of order.
CancelReason	String	M	50	The reason for cancelling the order.

Notes: When cancel a Waybill, system will return a class called **CancelWaybillResult**, check **Table 7** for more information.

- If the value of **HasError = False** that's mean system has cancelled the waybill successfully.
- If the value of **HasError = True** that's mean system did not cancel the waybill in our system, and you will get the error message in the **Message** field.
- In request data, ClientContact and ClientAddress can be empty.

7 – CancelWaybill<u>Result</u>

Table 7: List of elements in Cancel Waybill Result structure.

Cancel Waybill Result			
Element	**Datatype**	**Length**	**Description**
IsCanceled	Bool		= false means transaction fail, you have to check the message provided.
Message	String	200	In case the transaction fail you will get the message error.

8 – ConsigneeInformation

Table 8: List of elements present in consignee information structure.

Consignee Information				
Element	**Datatype**	**Required**	**Length**	**Description**
ConsigneeName	String	M	200	Receiver Name. If consignee is a company,company name and contact person name should be indicated. If consignee is privateindividual, provide name of the person.
Email	String	O	200	Valid Email address of consignee.
Mobile	String	O	200	Valid mobile No. of consignee.
PhoneNumber	String	M	200	Valid phone No. of consignee. You can mention here phone No. or even mobile No.
Fax	String	O	200	Valid fax No. of consignee.
Address	String	M	250	Address of the consignee.
NationalAddress	String	O	15	National address of SA consignees.
CountryCode	String	M	10	Check **Appendix B** for the list of countries.
CityCode	String	M	10	Check **Appendix B** for the list of cities.
Near	String	O	200	More description about the address of theconsignee if possible.
ConsigneeNationalID	Int	O	10	The ConsigneeNationalID/ Iqama is mandatory field for international high value shipments,other than that it is optional.
ConsigneePassportNo	String	O	40	
ConsigneePassportExp	String	O	40	
ConsigneeNationality	String	O	200	
ConsigneeBirthDate	DateTime	O		For high value international shipments to Saudi Arabia it may be requested by customs. Please use date format YYYY-MM-DD
ConsigneeNationalIdExpiry	DateTime	O		For high value international shipments to Saudi Arabia it may be requested by customs. Please use date format YYYY-MM-DD
what3words	String	O	100	

9 – ConsigneeInformationAlt

Table 9: List of elements present in consignee information alt structure.

Element	Datatype	Required	Length	Description
Consignee Information Alt				
ConsigneeName	String	M	200	Receiver Name. If consignee is a company, company name and contact person name should be indicated. If consignee is private individual, provide name of the person.
Email	String	O	200	Valid Email address of consignee.
Mobile	String	O	200	Valid mobile No. of consignee.
PhoneNumber	String	M	200	Valid phone No. of consignee. You can mention here phone No. or even mobile No.
Fax	String	O	200	Valid fax No. of consignee.
Address	String	M	250	Address of the consignee.
NationalAddress	String	O	15	National address of SA consignees.
CountryName	String	M	250	The country name shared with Naqel.
ProvinceName	String	M	250	The province name shared with Naqel.
CityName	String	M	250	The city name shared with Naqel.
Near	String	O	200	More description of consignee address.
ConsigneeNationalID	Int	O	10	The ConsigneeNationalID/ Iqama is mandatory field for international high value shipments, other than that it is optional.
ConsigneePassportNo	String	O	40	
ConsigneePassportExp	String	O	40	
ConsigneeNationality	String	O	200	

Note: If you need use this class, you need share your cities list with Naqel team first, and waiting their confirmation of city mapping.

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1 – ClientInformation

Table 10: List of elements present in client information structure.

Client Information				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientID	Int	M	7	Naqel Client ID.
Password	String	M	40	API Password.
Version	String	M	10	API Version.
ClientAddress	ClientAddress	M		Check **Table 11** for more details about Clientaddress type.
ClientContact	ClientContact	M		Check **Table 12** for more details about ClientContact type.

Notes:

- Client Address and Client Contact is going to be the information for the pickup details.
- If the items are going to pick up from your office, your warehouse or even from a seller, you should provide us with the details for that, and our system will consider that address as one of your addresses.

2 – ClientAddress

Table 11: List of elements present in client address structure.

Client Address				
Element	**Datatype**	**Required**	**Length**	**Description**
PhoneNumber	String	M	50	Valid phone No. or it can be a mobile No.
FirstAddress	String	M	200	The address for the place of pickup.
Location	String	O	200	Clear description for the address or additional information like second address.
CountryCode	String	M	10	Check **Appendix B** for the list of countries**.**
CityCode	String	M	10	Check **Appendix B** for the list of cities**.**
POBox	String	O	200	Valid PO (Post Office) Box.
ZipCode	String	O	200	Valid Zip Code.
Fax	String	O	200	Valid Fax No.
Latitude	String	O		If you have the coordinates for the consignee address, you can forward for us the Latitude and Longitude.
Longitude	String	O		

3 – ClientContact

Table 12: List of elements present in client contact structure.

Client Contact				
Element	**Datatype**	**Required**	**Length**	**Description**
Name	String	M	200	The name for shipper's contact person who is available at the collection address.
Email	String	O	200	Valid email address of shipper contact person.
PhoneNumber	String	M	50	Valid phone No. of the contact person. If there is no phone number, you should enter the mobile No. in this field.
MobileNo	String	O	200	Valid mobile No. of the contact person.

How to Create a Waybill Range

4 – CreatingWaybillRange

Description: Use this function for reserving a range of 1000 waybills [default range], Contact the IT for extending the range for > 1000 waybills.

Table 13: List of elements present when creating a new waybill range.

Create Waybill Range				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.

Notes: When creating a new waybill range, system will return a class called **WaybillRange,** check **Table 14** for more information.

- You can request new waybill range after consumption 90% (default threshold) of previous waybill range. Otherwise, you will receive error message saying please contact IT.

5 – WaybillRange

Table 14: List of elements present in waybill range structure.

Waybill Range			
Element	**Datatype**	**Length**	**Description**
HasError	Bool		= True means transaction fail, you have to check the message provided.
Message	String	200	In case the transaction fail you will get the message error. Message will be empty in case of transaction succeeded.
FromWaybillNo	Int		The first waybill for the range.
ToWaybillNo	Int		The last waybill of the range.

Notes:

- If the value of **HasError = False** that's mean system create the range successfully in our system.
    And in this case system will provide **FromWaybillNo** and **ToWaybillNo**.
- If the value of **HasError = True** then you have to check the error message.

How to Create a Waybill using range

6 – UpdateWaybillAPI

Description: This function is used by clients already having Waybill range grabbed from **CreateWaybillRange** function or from Naqel IT. The purpose of this function is to push necessary data to Naqel Express system together with Waybill No. assigned to this record.

Table 15: List of elements present in update waybill structure.

Update Waybill			
Element	**Datatype**	**Length**	**Description**
ManifestShipmentDetails	ManifestShipmentDetails		Check **Table 3** for further details of ManifestShipmentDetails type.
WaybillNo	Int	8	It should be one of the waybills in your range.

Notes: When creating a new waybill, system will return a class called **Result**, check **Table 5** for more information.

7 – GetActiveRange [GetActiveRanges]

Description: This function to get information of the active range customer is using. In case customer is having multiple active waybill ranges, system will respond the ranges which are not 100% consumed.

Table 16: List of elements to pass when get active ranges.

Get Active Ranges				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.

Notes: System will return a list of waybill range**,** check **Table 14** for more information.

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How to Track Waybills

8 – TraceByWaybillNo [TraceByWaybillNo]

Description: This function is used to get updated tracking status of the shipment based on waybill No. The result of request will be full history of tracking events. This function should be used from front end systems only.

Table 17: List of elements to pass when tracing any waybill.

Trace By Waybill No				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
WaybillNo	Int	M	8	It should be one of the waybills in your range.

Notes:
- This method will return a list of tracking object, check **Table 19** for more information.
- Check **Appendix D** for more information about Events list.
- In request data, ClientContact and ClientAddress can be empty.

9 – TraceByMultiWaybillNo [TraceByMultiWaybillNo]

Description: This function is to return all tracking records of multiple waybills (limit 500).

Table 18: List of elements to pass when tracing any waybill.

Commercial Invoice Detail				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
WaybillNo	List<Int>	M		You can pass maximum 500 waybills.

Notes: This method will return a list of tracking object, check **Table 19** for more information.
- In request data, ClientContact and ClientAddress can be empty.

Table 19: List of Tracking elements.

Tracking			
Element	**Datatype**	**Length**	**Description**
StationCode	String		Naqel station code.
Date	DateTime		The tracking record date time.
ActivityCode	Int		(Empty)
Activity	String		Activity description in English.
ArabicActivity	String		Activity description in Arabic.
WaybillNo	Int		Naqel WaybillNo.
ClientID	Int		ClientID provided by Naqel.
HasError	Bool		Indicate if the delivery facing any issue.
ErrorMessage	String		Any issue when out for delivery.
Comments	String		Comments for the tracking record.
RefNo	String		Customers' order No.
EventCode	Int		Tracking type ID.
DeliveryStatusID	Int		Delivery status ID.
DeliveryStatusMessage	String		Tracking description.

10 – MultiWayBillTracking [MultiWayBillTracking]

Description: This function is to return last status of multiple waybills (limit 1000).

Table 20: List of elements to pass when tracing any waybill.

Multi Waybill Tracking				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
WaybillNo	List<Int>	M		You can pass maximum 1000 waybills

Notes: This method will return a list of WayBillTracking object, check **Table 21** for more information.

- In request data, ClientContact and ClientAddress can be empty.

Table 21: List of WayBillTracking elements.

Waybill Tracking			
Element	**Datatype**	**Length**	**Description**
WaybillNo	Int		Naqel WaybillNo.
ClientID	Int		ClientID provided by Naqel.
Org	String		Origin station.
Dest	String		Destination station.
PickUpDate	DateTime		Naqel pickup time.
Weight	String		Waybill weight.
ConsigneeName	String		Consignee/receiver's name.
RefNo	String		Customers' order No.
LastEventTime	DateTime		Last tracking record time.
LastEvent	String		Last tracking description.
ErrorMessage	String		Any issue when out for delivery.
HasError	Bool		Indicate if the delivery facing any issue.

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How to Hold a Shipment from Delivery

11 – HoldShipmentFromDelivery [HoldShipmentFromDelivery]

Description: This function is used for holding shipment from being delivered for any reason.

Table 22: List of elements present in Hold Shipment from Delivery structure.

Element	Datatype	Length	Description

Element	Datatype	Length	Description
ClientInfo	ClientInformation		Check **Table 10** for further details of ClientInformation type.
WaybillNo	Int	8	It should be one of the waybills in your list.

(header row: Hold Shipment from Delivery)

Notes: When using this function, system will return a class called **HoldingShipmentResult** check **Table 23** for more information about it.

12 – HoldingShipmentResult

Table 23: List of elements in Holding Shipment Result structure.

Element	Datatype	length	Description
ShipmentHold	Bool		**True** means shipment hold. **False** means shipment can't be hold and the reason will be provided in the Notes.
Notes	String	250	

(header row: Holding Shipment Result)

How to Print Shipment Labels

13 – StickerPrinting [GetWaybillSticker]

Description: This function is to retrieve the piece/box label/sticker file as byte [] belonging to one waybill No. from Naqel Express system. For the customers using a range approach, it is required to create a label inside of their system based on provided rules to avoid bottleneck of fulfillment process.

Table 24: List of elements present in Sticker Printing structure.

Sticker Printing			
Element	**Datatype**	**Length**	**Description**
ClientInfo	ClientInformation		Check **Table 10** for further details of ClientInformation type.
WaybillNo	Int		Naqel WaybillNo.
StickerSize	StickerSize		Please check **Appendix F** for list of waybill labels

Notes:
- If **DeclareValue > 1000 SAR (266 USD)** the waybill circle shape will be **BLACK.** Else, will be **WHITE**.
- In request data, ClientContact and ClientAddress can be empty.
- When using this function, system will return a byte [], it contains the data as PDF file, you can convert the result to a PDF file. Below is a sample of label stickers:

14 – StickerPrinting [GetMultiWaybillSticker]

Description: This function is to retrieve the piece/box labels/stickers for multi waybills files as byte []. from Naqel Express system. For the customers using a range approach, it is required to create a label inside of their system based on provided rules to avoid bottleneck of fulfillment process.

Table 25: List of elements present in Sticker Printing structure.

Sticker Printing			
Element	**Datatype**	**Length**	**Description**
ClientInfo	ClientInformation		Check **Table 10** for further details of ClientInformation type.
WaybillNumbers	List<Int>		Naqel WaybillNo. (Limit 50)
StickerSize	StickerSize		Please check **Appendix F** for list of waybill labels

Notes:
- If **DeclareValue > 1000 SAR (266 USD)** the waybill circle shape will be **BLACK.** Else, will be **WHITE**.
- In request data, ClientContact and ClientAddress can be empty.
- When using this function, system will return a byte [], it contains the data as PDF file, you can convert the result to a PDF file.

15 - MultiStickerResult

Table 26: List of elements present in get multi–Sticker Printing structure.

MultiStickerResult			
Element	**Datatype**	**Length**	**Description**
HasError	Bool		= True means transaction fail, you have to check the message provided.
Message	String	200	In case the transaction fail you will get the message error.
StickerByte	base64Binary		This can convert to pdf file.

How to print the Commercial Invoice

16 – CommercialInvoice

Table 28: List of elements present for commercial Invoice.

Commercial Invoice				
Element	**Datatype**	**Required**	**Length**	**Description**
CommercialInvoiceDetailList	List<CommercialInvoiceDetail>	M		Check **Table 29** for further details of CommercialInvoiceDetail
RefNo	String	M	100	Reference No. of Invoice.
InvoiceNo	String	M	100	The InvoiceNo will be your WaybillNo by default when **CreateWaybill**, but when you **CreateCommercialInvoice** separately you should pass the WaybillNo as InvoiceNo.
InvoiceDate	DateTime	M		Date of Invoice is the date of purchase.
Consignee	String	M	200	Consignee name.
ConsigneeAddress	String	M	400	Consignee Address details.
ConsigneeEmail	String	O	200	Consignee E-mail.
MobileNo	String	O	20	Mobile No.
Phone	String	O	20	Phone No.
TotalCost	Float	M		Total cost of invoice.
CurrencyCode	String	M	100	Currency code of the invoice (it should be 3 letter code). Refer to **Appendix E** for Currency Codes.

17 – CommercialInvoiceDetail

Table 29: List of elements present for commercial Invoice detail.

Commercial Invoice Detail				
Element	**Datatype**	**Required**	**Length**	**Description**
Quantity	Int	M		Quantity of each item.
UnitType	String	M	50	Unit type of the item (ex: Piece, KG, gm, liter etc.)
ChineseDescription	String	O	400	Chinese description of an item.
CountryofManufacture	String	M	200	Country of manufacture of items.
Description	String	M	400	Full description of an item.
UnitCost	Float	M		Unit cost of an item.
CustomsCommodityCode	String	M	50	Customs Commodity Code (HS Code)
Currency	string	M	50	Currency code of payment of the item (it should be 3 letter code). Refer to **Appendix E** for Currency Codes.
SKU	String	O	100	The stock keeping unit code or the Product code.
CPC	String	O	100	The Customs Procedure Codes.
ItemWeightUnit	Double	O		Weight of the item

18 – CreateCommercialInvoice [CreateCommercialInvoice]

Description: This function will allow to push the commercial invoice data to Naqel system. This function is mandatory for any international shipment.

Table 30: List of elements present in create Commercial Invoice.

Create Commercial Invoice			
Element	**Datatype**	**Required**	**Description**
ClientInfo	ClientInformation	M	Check **Table 10** for further details of ClientInformation type.
_commercialInvoice	CommercialInvoice	M	Check **Table 28** for CommercialInvoice.

19 – GetCommercialInvoice [GetCommercialInvoice]

Description: You can use this method to print the Commercial Invoice file as Byte [].

When using this function, system will return a byte [], it contains the Commercial Invoice data as PDF file, you can convert the result to a PDF file.

Table 31: List of elements present in Commercial Invoice printing.

Get Commercial Invoice			
Element	**Datatype**	**Required**	**Description**
ClientInfo	ClientInformation	M	Check **Table 10** for further details of ClientInformation type.
InvoiceNo	String	M	Use Naqel WaybillNo.

Notes:

Left side is ASR invoice sample, right side is outbound invoice sample.

How to Generate an After Sales Return (ASR) waybill

20 – CreateASRWaybill [CreateWaybillForASR]

Description: this function is used to request ASR waybill No. from Naqel Express System and push all the required data of the shipment. For any international shipments Commercial Invoice data is mandatory.

Table 32: List of elements present when creating new ASR waybill.

Asr Manifest Shipment Details				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		* Check **Table 10** for further details of ClientInformation type
ConsigneeInfo	ConsigneeInformation	M		* Check **Table 8** for further details of ConsigneeInfo Type.
_CommercialInvoice	CommercialInvoice	M		Check **Table 28** for further details of Commercial Invoice Type.
PicesCount	Int	M		Number of shipment package pieces.
WaybillNo	Int	O		When customers control the usage of a given Waybill range, they should set this value themselves, otherwise, pass 0 by default.
OriginWaybillNo	Int	O		Your Shipment Original Naqel WaybillNo, if no available WaybillNo, pass 0 by default.
RefNo	String	M	100	You Shipment Reference Number [Order Number]
BillingType	Int	M		Check **Appendix A** for the list of billing types**.**
LoadTypeID	Int	M		Check **Appendix C** for the list of all Load Types.
DeclareValue	Double	M		Shipment Value for Customs purpose. It is optional only If DeclareValue = 0, if DeclareValue > 0 it is mandatory to create Commercial Invoice. See Client Commercial Invoice in **Table28**
CurrenyID	Int	M		It is the DeclareValue CurrencyID, if DeclareValue is more than 0, then CurrencyID is

				mandatory, otherwise it's optional. Check **Appendix F** for list of currencies.
PickUpDate	DateTime	M		* PickUpDate should later than current datetime, this is the filed if consignee has given a specific date for pickup.
WaybillSurcharge	WaybillSurcharge	M		It's always mandatory to pass at least one value, Check **Appendix F** for list of SurChargeCodes and **table 35.**
GoodDesc	String	M	250	Goods name and quantity list string, e.g., Shoes*1|Dress*1
DeliveryInstruction	String	M	200	The location where the package will return to, or warehouse address.
Latitude	String	O		If you have the coordinates for the consignee address, you can forward for us the Latitude and Longitude.
Longitude	String	O		
Weight	Double	M		The weight of the shipment.
InsuredValue	Double	M		Pass a value if you want to have Naqel insurance on your shipments. Otherwise, pass 0. Please refer to agreement for insurance terms.
Reference1	String	O		The value of Client Specific Data.
Reference2	String	O		The value of Client Specific Data.
GoodsVATAmount	Double	M		The value of Custom Duty Goods VAT Amount.
IsCustomDutyPayByConsignee	Bool	M		The default value is false, in case of custom duty pay by consignee you can change it to true.

*: ClientInfo should be the retailer's info here, and ConsigneeInfo should be original buyer's info here.

*: System will check the pickup schedule for sender's city, and will automatically use next available schedule date as pickup date if the given date is not suitable.

*: Double data type keeps two significant digits after the decimal point.

Notes: When creating a new ASR waybill, system will return a class called **AsrResult**, check **Table 34** for more information.

- If the value of **HasError = False** that's mean system created the new ASR waybill successfully in our system. And in this case system will provide **Key, WaybillNo** and **PickUpDate**. The values of each field should be saved somewhere in your database for any further query about that waybill.

- If the value of **HasError = True** that's mean system did not create the new ASR waybill in our system, and you will get the error message in the Message field.
- Load Type field is related to the agreements type which you have with our company.

21 – CreateASRWaybillAlt [CreateWaybillForASRAlt]

Description: This function is quite same as **CreateWaybillForASR** function, the difference is this function accept customers to pass consignee Country/Province/City name directly in the *ConsigneeInfoAlt* filed.

Table 33: List of elements present when creating new ASR waybill.

Asr Manifest Shipment Details Alt				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		* Check **Table 10** for further details of ClientInformation type
ConsigneeInfoAlt	ConsigneeInformationAlt	M		* Check **Table 9** for further details of ConsigneeInfoAlt Type.
_CommercialInvoice	CommercialInvoice	M		Check **Table 28** for further details of Commercial Invoice Type.
PicesCount	Int	M		Number of shipment package pieces.
WaybillNo	Int	O		When customers control the usage of a given Waybill range, they should set this value themselves, otherwise, pass 0 by default.
OriginWaybillNo	Int	O		Your Shipment Original Naqel WaybillNo, if no available WaybillNo, pass 0 by default.
RefNo	String	M	100	You Shipment Reference Number [Order Number]
BillingType	Int	M		Check **Appendix A** for the list of billing types**.**
LoadTypeID	Int	M		Check **Appendix C** for the list of all Load Types.
DeclareValue	Double	M		Shipment Value for Customs purpose. It is optional only If DeclareValue = 0, if DeclareValue > 0 it is mandatory to create Commercial Invoice. See Client Commercial Invoice in **Table28**

CurrenyID	Int	M		It is the DeclareValue CurrencyID, If DeclareValue is more than 0, then CurrencyID is mandatory, otherwise it's optional. Check **Appendix F** for list of currencies.
PickUpDate	DateTime	M		* PickUpDate should later than current datetime, this is the filed if consignee has given a specific date for pickup.
WaybillSurcharge	WaybillSurcharge	M		It's always mandatory to pass at least one value, Check **Appendix F** for list of SurChargeCodes and **table 35.**
GoodDesc	String	M	250	Goods name and quantity list string, e.g., Shoes*1|Dress*1
DeliveryInstruction	String	M	200	The location where the package will return to, or warehouse address.
Latitude	String	O		If you have the coordinates for the consignee address, you can forward for us the Latitude and Longitude.
Longitude	String	O		
Weight	Double	M		The weight of the shipment.
InsuredValue	Double	M		Pass a value if you want to have Naqel insurance on your shipments. Otherwise, pass 0. Please refer to agreement for insurance terms.
Reference1	String	O		The value of Client Specific Data.
Reference2	String	O		The value of Client Specific Data.
GoodsVATAmount	Double	M		The value of Custom Duty Goods VAT Amount.
IsCustomDutyPayByConsignee	Bool	M		The default value is false, in case of custom duty pay by consignee you can change it to true.

*: ClientInfo should be the retailer's info here, and ConsigneeInfo should be original buyer's info here.

*: System will check the pickup schedule for sender's city, and will automatically use next available schedule date as pickup date if the given date is not suitable.

*: Double data type keeps two significant digits after the decimal point.

Notes: When creating a new ASR waybill, system will return a class called **AsrResult**, check **Table 34** for more information.

- If the value of **HasError = False** that's mean system created the new ASR waybill successfully in our system. And in this case system will provide **Key, WaybillNo** and **PickUpDate**. The values of each field should be saved somewhere in your database for any further query about that waybill.
- If the value of **HasError = True** that's mean system did not create the new ASR waybill in our system, and you will get the error message in the Message field.
- Load Type field is related to the agreements type which you have with our company.

22 – ASR Result

Table 34: List of elements in Result structure.

Asr Result			
Element	**Datatype**	**Length**	**Description**
Message	String	200	In case the transaction fail you will get the message error.
HasError	Bool		= True means transaction fail, you have to check the message provided.
WaybillNo	Int		The waybill No. you have created, this waybill No. should be saved somewhere in your database for any future query.
BookingRefNo	String	15	<Empty>
Key	Int		Ignore
PickUpDate	Datetime		Scheduled Pickup date, actual pickup date may different based on actual situation.

23 – WaybillSurcharge

Table 35: List of elements to pass for Waybill Surcharges.

Waybill Surcharge				
Element	**Datatype**	**Required**	**Length**	**Description**
SurchargeIDList	List<Int>	M		You must pass at least 1 mandatory surcharge ID.

24 – CancelASRWaybill [CancelWaybillForASR]

Description: this function is used to cancel ASR waybills before pick up happens:

Table 36: List of elements present when cancel ASR waybill.

Cancel ASR Waybill				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type
WaybillNo	Int	M		The Waybill No of ASR order.
CancelReason	String	M	50	The reason for cancelling the ASR order.

Notes: When cancel an ASR Waybill, system will return a class called **Result**, check **Table 5** for more information.

- If the value of **HasError = False** that's mean system has cancelled the ASR waybill successfully.
- If the value of **HasError = True** that's mean system did not cancel the ASR waybill in our system, and you will get the error message in the **Message** field.
- In request data, ClientContact and ClientAddress can be empty.

How to Update Reweight data

25 – UpdateReweight [UpdateReweight]

Description: this function is used to update reweight data:

Table 37: List of elements present when update reweight.

Cancel ASR Waybill				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
WaybillNo	Int	M		Naqel WaybillNo.
Length	Double	M		The new length of the package.
Width	Double	M		The new width of the package.
Height	Double	M		The new height of the package.
Weight	Double	M		The new weight of the package.

Notes: You can only update one time before the waybill is delivered and invoiced, if you need update again, you need contact Naqel team for help.

When update reweight, system will return a class called **Result,** check **Table 5** for more information.

- If the value of **HasError = False** that's mean system updated reweight data successfully in our system.
- If the value of **HasError = True** that's mean system did not updated reweight data in our system, and you will get the error message in the **Message** field.
- In request data, ClientContact and ClientAddress can be empty.

How to Create a Delivery request

26 – CreateDeliveryRequest [CreateDeliveryRequest]

Description: this function is used to create delivery request:

Table 38: List of elements present when create delivery request.

CreateDeliveryRequest				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
WaybillNo	Int	M		Naqel WaybillNo.
RequestDeliveryDate	DateTime	M		The new length of the package.

Notes: You can create delivery request after Naqel local pickup and before then shipment life cycle end.

When creating a delivery request, system will return a class called DeliveryRequestResult**,** check **Table 39** for more information.

- If the value of **HasError = False** that's mean system create delivery successfully in our system.
- If the value of **HasError = True** that's mean system did not create delivery in our system, and you will get the error message in the **Message** field.
- In request data, ClientContact and ClientAddress can be empty.

27 – DeliveryRequestResult

Table 39: List of elements in Result structure.

Delivery Request Result			
Element	**Datatype**	**Length**	**Description**
Message	String	200	In case the transaction fail you will get the message error.
HasError	Bool		= True means transaction fail, you have to check the message provided.
WaybillNo	Int		The waybill No. you have created before.
DeliveryRequestID	Int		

28 – CancelDeliveryRequest [CancelDeliveryRequest]

Description: this function is used to cancel delivery request:

Table 40: List of elements present when cancel delivery request.

Cancel Delivery Request				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
WaybillNo	Int	M		Naqel WaybillNo.

Notes: You can cancel delivery request after your request creation.

When cancel a delivery request, system will return a class called CancelDeliveryRequestResult**,** check **Table 41** for more information.

- If the value of **HasError = False** that's mean system cancel delivery successfully in our system.
- If the value of **HasError = True** that's mean system did not cancel delivery in our system, and you will get the error message in the **Message** field.
- In request data, ClientContact and ClientAddress can be empty.

29 – CancelDeliveryRequestResult

Table 41: List of elements in Result structure.

Cancel Delivery Request Result			
Element	**Datatype**	**Length**	**Description**
Message	String	200	In case the transaction fail you will get the message error.
HasError	Bool		= True means transaction fail, you have to check the message provided.
WaybillNo	Int		The waybill No. you have created before.

How to Create a RTO request

30 – CreateRTORequest [CreateRTORequest]

Description: this function is used to create RTO request:

Table 42: List of elements present when create RTO request.

CreateRTORequest				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
WaybillNo	Int	M		Naqel WaybillNo.

Notes: You can create RTO request after Naqel local pickup and before then shipment life cycle end.

When creating an RTO request, system will return a class called CreateRTORequestResult**,** check **Table 43** for more information.

- If the value of **HasError = False** that's mean system create RTO successfully in our system.
- If the value of **HasError = True** that's mean system did not create RTO in our system, and you will get the error message in the **Message** field.
- In request data, ClientContact and ClientAddress can be empty.

31 – CreateRTORequestResult

Table 43: List of elements in Result structure.

Create RTO Request Result			
Element	**Datatype**	**Length**	**Description**
Message	String	200	In case the transaction fail you will get the message error.
HasError	Bool		= True means transaction fail, you have to check the message provided.
WaybillNo	Int		The waybill No. you have created before.

32 – CancelRTORequest [CancelRTORequest]

Description: this function is used to cancel RTO request:

Table 44: List of elements present when cancel RTO request.

Cancel Delivery Request				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
WaybillNo	Int	M		Naqel WaybillNo.

Notes: You can cancel RTO request after your request creation.

When cancel an RTO request, system will return a class called CancelRTOResult**,** check **Table 45** for more information.

- If the value of **HasError = False** that's mean system cancel RTO successfully in our system.
- If the value of **HasError = True** that's mean system did not cancel RTO in our system, and you will get the error message in the **Message** field.
- In request data, ClientContact and ClientAddress can be empty.

33 – CancelRTOResult

Table 45: List of elements in Result structure.

Cancel Delivery Request Result			
Element	**Datatype**	**Length**	**Description**
Message	String	200	In case the transaction fail you will get the message error.
HasError	Bool		= True means transaction fail, you have to check the message provided.
WaybillNo	Int		The waybill No. you have created before.

How to Create a Complaint

34 – CreateComplaint [CreateComplaint]

Description: this function is used to create complaint:

Table 46: List of elements present when create complaint.

ComplaintRequest				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
WaybillNo	Int	M		Naqel WaybillNo.
RequestDeliveryDate	DateTime	M		The new length of the package.
ComplaintSubType	Int	M		Check appendix H for more details.
ComplaintDetail	String	M	500	The detailed descriptions for your complaint

Notes: You can create complaint after Naqel local pickup and before then shipment life cycle end.

When creating a complaint request, system will return a class called ComplaintRequestResult**,** check **Table 47** for more information.

- If the value of **HasError = False** that's mean system create complaint successfully in our system.
- If the value of **HasError = True** that's mean system did not create complaint in our system, and you will get the error message in the **Message** field.
- In request data, ClientContact and ClientAddress can be empty.

35 – ComplaintRequestResult

Table 47: List of elements in Result structure.

Complaint Request Result			
Element	**Datatype**	**Length**	**Description**
Message	String	200	In case the transaction fail you will get the message error.
HasError	Bool		= True means transaction fail, you have to check the message provided.
WaybillNo	Int		The waybill No. you have created before.

LOGISTICS
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36 – Get Complaint Status [GetComplaintStatus]

Description: this function is used to get complaint status:

Table 48: List of elements present when get complaint status.

Get Complaint Status				
Element	**Datatype**	**Required**	**Length**	**Description**
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
WaybillNo	Int	M		Naqel WaybillNo.

Notes: You can get complaint status after your request creation.

When get complaint status, system will return a class called ComplaintResult, check **Table 49** for more information.

- If the value of **HasError = False** that's mean system get complaint status successfully in our system.
- If the value of **HasError = True** that's mean system did not get complaint status, and you will get the error message in the **Message** field.
- In request data, ClientContact and ClientAddress can be empty.

37 – ComplaintResult

Table 49: List of elements in Result structure.

Complaint Result			
Element	**Datatype**	**Length**	**Description**
Message	String	200	In case the transaction fail you will get the message error.
HasError	Bool		= True means transaction fail, you have to check the message provided.
WaybillNo	Int		The waybill No. you have created before.
ActionTaken	String		Action Taken.
PreventiveAction	String		Preventive Action.

How to Get Rate

38 – Get Rate [GetRate]

Description: this function is used to get Rate:

Table 50: List of elements present when get Rate.

GetRate Status				
Element	Datatype	Required	Length	Description
ClientInfo	ClientInformation	M		Check **Table 10** for further details of ClientInformation type.
Weight	Double	M		Waybill weight.
LoadTypeID	Int	M		Check **Appendix C** for the list of all Load Types.

Notes: You can get Rate after your request creation.

When get Rate Request, system will return a class called GetRateResult, check **Table 51** for more information.

- If the value of **HasError = False** that's mean system get Rate successfully in our system.
- If the value of **HasError = True** that's mean system did not get Rate in our system, and you will get the error message in the **Message** field.
- In request data, ClientContact and ClientAddress can be empty.

39 – GetRateResult

Table 51: List of elements in Result structure.

GetRate Result			
Element	Datatype	Length	Description
Price	Double		

Appendix Description

Please find list of appendixes in attached Excel file, it contains:

1- **Appendix A: List of Billing Types provided for Home Delivery**
2- **Appendix B: List of Cities / Stations**
3- **Appendix C: List of Load Types**
4- **Appendix D: List of Event Codes**
5- **Appendix E: List of Currencies**
6- **Appendix F: List of Waybill label sizes**
7- **Appendix G: List of Surcharges**

8- **Appendix H: List of ComplaintSubTypes**