



**Application Programming Interface (API)
at EC-Ship System
for System Integration on iMail Service**

Version: 1.5

Last Updated : April 2019

Amendment History

Version	Amendment Date	Description	Author / Updated By
1.0	July 2017	Initial release	CW Lai
1.1	August 2017	Add order level API	CW Lai
1.2	October 2017	Update of Trial site URL	CW Lai
1.3	August 2018	Remove Premium Class for service class and update overview	Ryan Chan
1.4	March 2019	Amend the chargeZone field	Ryan Chan
1.5	April 2019	Amend Item Category	Ryan Chan

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1. EC-Ship Web Services URL

Testing Site URL: <https://service.hongkongpost.hk/API-trial/services>

Production Site URL: <https://api.hongkongpost.hk/API/services>

Note: Only authorized IP addresses are allowed to access this URL

Testing Site WSDL: <https://service.hongkongpost.hk/API/services/IMailService?wsdl>

Production Site URL: <https://api.hongkongpost.hk/API/services/IMailService?wsdl>

2. EC-Ship API Overview

Category	Operations	Usage
Posting	createIMailItem	Create iMail item
	cancelIMailItem	Cancel iMail item
	getIMailItem	Retrieve iMail item record
	createIMailOrder	Create iMail Order
	cancelIMailOrder	Cancel iMail Order
	getIMailOrder	Retrieve iMail Order record
	getIMailPostingStatement	Retrieve iMail Posting Statement
	getIMailItemNumber	Retrieve iMail item number

3. EC-Ship Web Services Authentication

Authentication key is required to call EC-Ship API. The credential is provided registered EC-Ship API users. Credential must be included in your request SOAP message as specified in EC-Ship API. Without this information, your API request will be rejected.

Parameter	Data Type	Length Constraint	Not Null?	Remark
USERNAME	TEXT	20	Yes	API Username
PASSWORD	TEXT	20	Yes	Credentials for reject unauthorized party to use the API. These credentials must be included in your code as specified in the Web Services technical documentation. Transactions without proper credentials will be rejected.

4. EC-Ship Posting API - Create iMail item

Partner should call this request to send the iMail item record to Hongkong Post before posting. The request contains the item basic information and collection detail.

Function	<p>API user can make a call to this API to upload the information and then create iMail shipping label. The item will be stored in EC-Ship system.</p> <p>EC-Ship API returns a track code.</p>
Operations:	createIMailItem
Request	<p>CreateIMailItemRequest - extension of type ApiRequestObject</p> <ul style="list-style-type: none"> ▪ ecshipUsername ; type string ▪ integratorUsername ; type string ▪ IMailItems ; type ArrayOf_tns1_IMailItem <ul style="list-style-type: none"> ▪ IMailItem – optional, unbounded; type IMailItem <ul style="list-style-type: none"> ▪ seq ; type int ▪ itemNo ; type string ▪ permitNo ; type string ▪ senderReferenceBarcode ; type string ▪ senderReferenceText ; type string ▪ insurance ; type string ▪ servClass ; type string ▪ senderName ; type string ▪ senderAddr1 ; type string ▪ senderAddr2 ; type string ▪ senderAddr3 ; type string ▪ senderAddr4 ; type string ▪ senderAddr5 ; type string ▪ recipientName ; type string ▪ recipientAddr1 ; type string ▪ recipientAddr2 ; type string ▪ recipientAddr3 ; type string ▪ recipientAddr4 ; type string ▪ recipientAddr5 ; type string ▪ recipientCountryCode ; type string ▪ recipientPhoneNo ; type string ▪ recipientEmail ; type string ▪ recipientPostalCode ; type string ▪ itemCat ; type string ▪ itemCatDesc ; type string ▪ products ; type ArrayOf_tns1_Product <ul style="list-style-type: none"> • item - optional, unbounded; type Product <ul style="list-style-type: none"> ○ contentDesc ; type string ○ currencyCode ; type string ○ productCountry ; type string

	<ul style="list-style-type: none"> ○ productQty ; type int ○ productTariffCode ; type int ○ productValue ; type decimal ○ productWeight ; type decimal ▪ totalWeight ; type decimal ▪ totalCurrencyCode ; type string ▪ totalValue ; type decimal ▪ postalCharges ; type decimal ▪ otherFees ; type string ▪ senderCustomsReference ; type string ▪ importerReference ; type string ▪ importerPhoneFaxEmail ; type string ▪ comments ; type string ▪ noOfLicence ; type string ▪ noOfCertificate ; type string ▪ noOfInvoice ; type string ▪ officeOfOrigin ; type string ▪ dateOfPosting ; type string
Response	<p>CreateIMailItemResponse - extension of type ApiResponseObject</p> <ul style="list-style-type: none"> ▪ errMessage ; type string ▪ status ; type int ▪ items ; type of ArrayOf_tns1_Item <ul style="list-style-type: none"> ▪ seq ; type int ▪ status ; type int ▪ errMessage ; type string ▪ itemNo ; type string

createIMailItemRequest

Parameter	Data Type	Length Constraint (byte)	Mandatory	Remark
ecshipUsername	String	60	Y	EC-Ship usernames
integratorUsername	String	20	Y	API username
Item Number and Permit Number				
seq	Integer	4	Y	Sequence number of the item
itemNo	String	13	Y	Unique item number, which will be generated by system if there is no input of Hongkong Post item barcode beginning with "R"
permitNo	String	10	Y	Permit No of the item, must be an associated permit account with the ecship account

Sender's reference				
senderReferenceBarcode	String	15	N	Sender's own reference, facilitates inventory management Alphanumeric only Example: 123456789
senderReferenceText	String	60	N	Sender's own reference, facilitates inventory management Example: MP3 DC
Service Detail				
insurance	String	1	Y	iMail insurance service Y - Required N – Not Required
servClass	String	1	Y	Class of service selected for the item E – Economy Class
Sender Information				
senderName	String	60	Y	Sender's full name
senderAddr1	String	60	Y	Sender's address line 1 Recommended method of addressing: Line 1 – Flat and Floor numbers, Line 2 – Name of building, Line 3 – Number of building and name of street, Line 4 – Name of village, town or district Line 5 – Hong Kong
senderAddr2	String	60	N	Sender's address line 2
senderAddr3	String	60	N	Sender's address line 3
senderAddr4	String	60	N	Sender's address line 4
senderAddr5	String	60	N	Sender's address line 5
Addressee information				
recipientName	String	60	Y	Addressee/Receiver's full name
recipientAddr1	String	60	Y	Addressee's address line 1 Recommended method of addressing: Line 1 – Flat and Floor numbers, Name of building, Line 2 – Number of house or building, name of street, Line 3 – Name of village or town, The postal district number or postal code, if any,

				Line 4 – Name of destination, state or province, Line 5 – Name of destination
recipientAddr2	String	60	N	Addressee's address line 2
recipientAddr3	String	60	N	Addressee's address line 3
recipientAddr4	String	60	N	Addressee's address line 4
recipientAddr5	String	60	N	Addressee's address line 5
recipientCountryCode	String	2	Y	Code of destination country Please refer to the destination country code table
recipientPhoneNo	String	24	Y	Addressee's Phone No.
recipientEmail	String	60	N	Addressee's Email Address
recipientPostalCode	String	17	N	Country Postal Code
Product Description (at least 1 product is required. Maximum 4 products)				
itemCat	String	1	Y	Specify the category of item G – Gift D – Documents S – Commercial sample R – Returned goods M – Sales of goods O – Other, please specify in Description of Item Category
itemCatDesc	String	30	N	Specify separately for other category
contentDesc	String	30	Y	Detailed description of each article in the item, e.g. "men's cotton shirts". General descriptions, e.g. "spare parts", "samples" or "food products" are not permitted. A maximum of 4 article details can be inputted
currencyCode	String	3	Y	Currency the value of article used, for the corresponding line of article
productCountry	String	20	N	The country where the goods originated, e.g. were produced/manufactured or assembled. Senders of commercial items are advised to supply this information as it will assist Customs in processing the items; otherwise Customs in the destination may delay processing the item and thus cause inconvenience to the addressee.
productQty	Integer	4	Y	Quantity of each article and the unit of measurement used, for the corresponding line of article

productTariffCode	Integer	8	N	The HS tariff number must be based on the Harmonized Commodity Description and Coding System developed by the World Customs Organization. Senders of commercial items are advised to supply this information as it will assist Customs in processing the items; otherwise Customs in the destination may delay processing the item and thus cause inconvenience to the addressee.
productValue	Decimal	8	Y	Currency the value of article used, for the corresponding line of article
productWeight	Decimal	6	Y	Net weight of each article (in kg), for the corresponding line of article
Content Description				
totalWeight	Decimal	6	Y	Total weight of the item (in kg), including packaging, which corresponds to the weight used to calculate the postage.
totalCurrencyCode	String	3	Y	Currency of the total value used for all articles in the item
totalValue	Decimal	7	Y	Total value of all articles in the item
CN23 information(If the value of contents is over HK\$3,000, please complete the below Item.)				
postalCharges	Decimal	7	N	The amount of postage paid to the Post for the item.
otherFees	String	30	N	Specify separately any other charges, e.g. insurance.
senderCustomsReference	String	20	N	Sender's reference number at customs
importerReference	String	60	N	Importer's reference number at customs (tax code/VAT No./importer code)
importerPhoneFaxEmail	String	60	N	Importer's contact
comments	String	60	N	Provide details if the contents are subject to quarantine (plant, animal, food products, etc) or other restrictions.
noOfLicence	String	20	N	If your item is accompanied by a licence or a certificate, state the number. You should attach an invoice for all commercial items.
noOfCertificate	String	20	N	If your item is accompanied by a licence or a certificate, state the

				number. You should attach an invoice for all commercial items.
noOfInvoice	String	20	N	If your item is accompanied by a licence or a certificate, state the number. You should attach an invoice for all commercial items.
officeOfOrigin	String	10	N	Origin post office
dateOfPosting	String	10	N	Date the item posted

createMailItem Response

Parameter	Data Type	Remark
status	Number	Reference to Appendix A
errMessage	String	Error Message
ArrayOf_tns1_item		
status	Number	Reference to Appendix A
errMessage	String	Error Message
seq	Number	Sequence number of the item
itemNo	String	Item no of the item

5. EC-Ship Posting API - Cancel iMail item

Partner should call this request to cancel the iMail item record from Hongkong Post.

Function	API user can make a call to this API to cancel iMail shipping label.
Operations:	cancelIMailItem
Request	<p>CancelIMailItemRequest - extension of type ApiRequestObject</p> <ul style="list-style-type: none"> ▪ ecshipUsername ; type string ▪ integratorUsername ; type string ▪ IMailItems ; type ArrayOf_tns1_IMailItem <ul style="list-style-type: none"> ▪ IMailItem – optional, unbounded; type IMailItem <ul style="list-style-type: none"> ▪ seq ; type int ▪ itemNo ; type string
Response	<p>CancelIMailItemResponse - extension of type ApiResponseObject</p> <ul style="list-style-type: none"> ▪ errMessage ; type string ▪ status ; type int ▪ items ; type of ArrayOf_tns1_item <ul style="list-style-type: none"> ▪ seq ; type int ▪ status ; type int ▪ errMessage ; type string ▪ itemNo ; type string

cancelIMailItemRequest

Parameter	Data Type	Length Constraint (byte)	Mandatory	Remark
ecshipUsername	String	60	Y	EC-Ship usernames
integratorUsername	String	20	Y	API username
Item Number				
seq	Integer	4	Y	Sequence number of the item
itemNo	String	13	Y	Unique item number, which will be generated by system if there is

				no input of Hongkong Post item barcode beginning with "R"
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cancelIMailItem Response

Parameter	Data Type	Remark
status	Number	Reference to Appendix A
errMessage	String	Error Message
ArrayOf_tns1_item		
status	Number	Reference to Appendix A
errMessage	String	Error Message
seq	Number	Sequence number of the item
itemNo	String	Item no of the item

6. EC-Ship Posting API - Get iMail item

Partner could call this request to get the iMail item record from Hongkong Post

Function	API user can make a call to this API to get the information of iMail shipping label.
Operations:	getIMailItem
Request	<p>GetIMailItemRequest - extension of type ApiRequestObject</p> <ul style="list-style-type: none"> ▪ ecshipUsername ; type string ▪ integratorUsername ; type string ▪ IMailItems ; type ArrayOf_tns1_IMailItem <ul style="list-style-type: none"> ▪ IMailItem – optional, unbounded; type IMailItem <ul style="list-style-type: none"> ▪ seq ; type int ▪ itemNo ; type string
Response	<p>GetIMailItemResponse - extension of type ApiResponseObject</p> <ul style="list-style-type: none"> ▪ errMessage ; type string ▪ status ; type int ▪ getIMailItems ; type ArrayOf_tns1_IMailItem <ul style="list-style-type: none"> ▪ IMailItem – optional, unbounded; type IMailItem <ul style="list-style-type: none"> ▪ status ; type int ▪ errMessage ; type string ▪ seq ; type int ▪ itemNo ; type string ▪ itemStatus ; type string ▪ createDttm ; type string ▪ postDttm ; type string

	<ul style="list-style-type: none"> ▪ permitNo ; type string ▪ senderReferenceBarcode ; type string ▪ senderReferenceText ; type string ▪ insurance ; type string ▪ servClass ; type string ▪ printCN23 ; type string ▪ senderName ; type string ▪ senderAddr1 ; type string ▪ senderAddr2 ; type string ▪ senderAddr3 ; type string ▪ senderAddr4 ; type string ▪ senderAddr5 ; type string ▪ recipientName ; type string ▪ recipientAddr1 ; type string ▪ recipientAddr2 ; type string ▪ recipientAddr3 ; type string ▪ recipientAddr4 ; type string ▪ recipientAddr5 ; type string ▪ recipientCountryCode ; type string ▪ recipientPhoneNo ; type string ▪ recipientEmail ; type string ▪ recipientPostalCode ; type string ▪ itemCat ; type string ▪ itemCatDesc ; type string ▪ products ; type ArrayOf_tns1_Product <ul style="list-style-type: none"> • item - optional, unbounded; type Product <ul style="list-style-type: none"> ○ contentDesc ; type string ○ currencyCode ; type string ○ productCountry ; type string ○ productQty ; type int ○ productTariffCode ; type int ○ productValue ; type decimal ○ productWeight ; type decimal ▪ totalWeight ; type decimal ▪ totalCurrencyCode ; type string ▪ totalValue ; type decimal ▪ postalCharges ; type decimal ▪ otherFees ; type string ▪ senderCustomsReference ; type string ▪ importerReference ; type string ▪ importerPhoneFaxEmail ; type string ▪ comments ; type string ▪ noOfLicence ; type string ▪ noOfCertificate ; type string ▪ noOfInvoice ; type string ▪ officeOfOrigin ; type string ▪ dateOfPosting ; type string
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GetIMailItemRequest

Parameter	Data Type	Length Constraint (byte)	Mandatory	Remark
ecshipUsername	String	60	Y	EC-Ship usernames
integratorUsername	String	20	Y	API username
Item Number				
seq	Integer	4	Y	Sequence number of the item
itemNo	String	13	Y	Unique item number, which will be generated by system if there is no input of Hongkong Post item barcode beginning with "R"

createIMailItem Response

Parameter	Data Type	Remark
status	Number	Reference to Appendix A
errMessage	String	Error Message
ArrayOf_tns1_item		
status	Number	Reference to Appendix A
errMessage	String	Error Message
Item Number and Permit Number		
seq	Number	Sequence number of the item
itemNo	String	Item no of the item
itemStatus	String	Reference to Appendix B
createDttm	String	Create date in DD-MM-YYYY HH24:MI:SS
postDttm	String	Post date in DD-MM-YYYY HH24:MI:SS
permitNo	String	Permit No of the item, must be an associated permit account with the ecship account
Sender's reference		
senderReferenceBarcode	String	Sender's own reference, facilitates inventory management Alphanumeric only Example: 123456789
senderReferenceText	String	Sender's own reference, facilitates inventory management Example: MP3 DC
Service Detail		
insurance	String	iMail insurance service Y - Required

		N – Not Required
servClass	String	Class of service selected for the item E – Economy Class
printCN23	String	If the value of the contents is over HK\$3,000, sender must complete a CN23 form Y – Print CN23 N – Do not print CN23
Sender Information		
senderName	String	Sender's full name
senderAddr1	String	Sender's address line 1 Recommended method of addressing: Line 1 – Flat and Floor numbers, Line 2 – Name of building, Line 3 – Number of building and name of street, Line 4 – Name of village, town or district Line 5 – Hong Kong
senderAddr2	String	Sender's address line 2
senderAddr3	String	Sender's address line 3
senderAddr4	String	Sender's address line 4
senderAddr5	String	Sender's address line 5
Addressee information		
recipientName	String	Addressee/Receiver's full name
recipientAddr1	String	Addressee's address line 1 Recommended method of addressing: Line 1 – Flat and Floor numbers, Name of building, Line 2 – Number of house or building, name of street, Line 3 – Name of village or town, The postal district number or postal code, if any, Line 4 – Name of destination, state or province, Line 5 – Name of destination
recipientAddr2	String	Addressee's address line 2
recipientAddr3	String	Addressee's address line 3
recipientAddr4	String	Addressee's address line 4
recipientAddr5	String	Addressee's address line 5
recipientCountryCode	String	Code of destination country Please refer to the destination country code table
recipientPhoneNo	String	Addressee's Phone No.
recipientEmail	String	Addressee's Email Address
recipientPostalCode	String	Country Postal Code
Product Description (at least 1 product is required. Maximum 4 products)		
itemCat	String	Specify the category of item G – Gift D – Documents S – Commercial sample R – Returned goods

		M – Sales of goods O – Other, please specify in Description of Item Category
itemCatDesc	String	Specify separately for other category
contentDesc	String	Detailed description of each article in the item, e.g. "men's cotton shirts". General descriptions, e.g. "spare parts", "samples" or "food products" are not permitted. A maximum of 4 article details can be inputted
currencyCode	String	Currency the value of article used, for the corresponding line of article
productCountry	String	The country where the goods originated, e.g. were produced/manufactured or assembled. Senders of commercial items are advised to supply this information as it will assist Customs in processing the items; otherwise Customs in the destination may delay processing the item and thus cause inconvenience to the addressee.
productQty	Integer	Quantity of each article and the unit of measurement used, for the corresponding line of article
productTariffCode	Integer	The HS tariff number (6-digit) must be based on the Harmonized Commodity Description and Coding System developed by the World Customs Organization. Senders of commercial items are advised to supply this information as it will assist Customs in processing the items; otherwise Customs in the destination may delay processing the item and thus cause inconvenience to the addressee.
productValue	Decimal	Currency the value of article used, for the corresponding line of article
productWeight	Decimal	Net weight of each article (in kg), for the corresponding line of article
Content Description		
totalWeight	Decimal	Total weight of the item (in kg), including packaging, which corresponds to the weight used to calculate the postage.
totalCurrencyCode	String	Currency of the total value used for all articles in the item
totalValue	Decimal	Total value of all articles in the item
CN23 information		
postalCharges	Decimal	The amount of postage paid to the Post for the item.
otherFees	String	Specify separately any other charges, e.g. insurance.
senderCustomsReference	String	Sender's reference number at customs
importerReference	String	Importer's reference number at customs (tax code/VAT No./importer code)
importerPhoneFaxEmail	String	Importer's contact
comments	String	Provide details if the contents are subject to quarantine (plant, animal, food products, etc) or other restrictions.
noOfLicence	String	If your item is accompanied by a licence or a certificate, state the number. You should attach an invoice for all commercial items.
noOfCertificate	String	If your item is accompanied by a licence or a certificate, state the number. You should attach an invoice for all commercial items.

noOfInvoice	String	If your item is accompanied by a licence or a certificate, state the number. You should attach an invoice for all commercial items.
officeOfOrigin	String	Origin post office
dateOfPosting	String	Date the item posted in DD-MM-YYYY

7. EC-Ship Posting API - Create iMail Order

Partner should call this request to create the iMail order record in Hongkong Post.

Function	API user can make a call to this API to create iMail order record. API user can update the bagWeight and item inside the order if the order isn't received by HongKong Post.
Operations:	createIMailOrder
Request	<p>CreateIMailOrderRequest - extension of type ApiRequestObject</p> <ul style="list-style-type: none"> ▪ ecshipUsername ; type string ▪ integratorUsername ; type string ▪ agentAddressLine1; type string ▪ agentAddressLine2; type string ▪ agentAddressLine3; type string ▪ agentAddressLine4; type string ▪ agentName; type string ▪ agentTel; type string ▪ contactAddressLine1; type string ▪ contactAddressLine2; type string ▪ contactAddressLine3; type string ▪ contactAddressLine4; type string ▪ contactPerson; type string ▪ contactTel; type string ▪ expectedPostingOffice; type string ▪ expectedPostingTime; type string ▪ permitNo ; type string ▪ iMailbags; type ArrayOf_tns1_IMailBag <ul style="list-style-type: none"> ▪ bagNo; type string ▪ chargeZone; type string ▪ cntyCode; type string ▪ finalBag; type string ▪ items; type ArrayOf_tns1_string <ul style="list-style-type: none"> ▪ itemNo; type string ▪ noOfItem; type int ▪ seq; type int ▪ servClass; type string ▪ totWeight; type decimal

	<ul style="list-style-type: none"> ▪ items ; type ArrayOf_tns1_string <ul style="list-style-type: none"> ▪ itemNo; type string
Response	<p>CreateIMailOrderResponse - extension of type ApiResponseObject</p> <ul style="list-style-type: none"> ▪ errMessage ; type string ▪ status ; type int ▪ bags ; type ArrayOf_tns1_Bag <ul style="list-style-type: none"> ○ bagNo;type string ○ chargeZone; type string ○ cntyCode; type string ○ finalBag; type string ○ itemChargeRate; type double ○ items; type ArrayOf_tns1_string <ul style="list-style-type: none"> ▪ itemNo; type string ○ kgChargeRate; type double ○ noOfItem; type int ○ postage; type double ○ seq; type int ○ servClass; type string ○ totWeight; type decimal ▪ intRefNo; type string

CreateIMailOrderRequest

Parameter	Data Type	Length Constraint (byte)	Mandatory	Remark
ecshipUsername	String	60	Y	EC-Ship usernames
integratorUsername	String	20	Y	API username
agentAddressLine1 agentAddressLine2 agentAddressLine3 agentAddressLine4	String	60		Agent address separated into a maximum of 4 lines Recommended method of addressing: Line 1 – Flat and Floor numbers, Line 2 – Name of building, Line 3 – Number of building and name of street, Line 4 – Name of village, town or district
agentName	String	60		Agent full name
agentTel	String	10		Agent contact telephone number
contactAddressLine1 contactAddressLine2 contactAddressLine3 contactAddressLine4	String	60	Y	Contact address separated into a maximum 4 lines. Recommended method of addressing: Line 1 – Flat and Floor

				numbers, Line 2 – Name of building, Line 3 – Number of building and name of street, Line 4 – Name of village, town or district
contactPerson	String	60	Y	Contact person full name
contactTel	String	10	Y	Contact telephone number
expectedPostingOffice	String	3		Expected posting office, please refer to the Bulk Mail Acceptance Post Office list or your assigned office if you have account.
expectedPostingTime	String	10		Expected posting time, please fill in the next 7 working days of the chosen posting office Format : DD/MM/YYYY
permitNo	String	10	Y	Permit No of the RU express
bagNo	String	3	Y	The mail bag no. in which items are contained (starting from bag no. 1)
chargeZone	String	2	N	Charge zone of the bag
cntyCode	String	2	Y	Country code of the bag
finalBag	String	1	Y	Indicator of final bag Y- Final Bag N – Not final Bag
itemNo	String	13	Y	Item No inside the bag
noOfItem	Integer	3	Y	No. of item inside the bag, must match with length of items array
seq	Integer	3	Y	Sequence of the bag, start from 1
servClass	String	2	Y	Class of service selected for the item 1 – Premium Class E – Economy Class

createMailOrder Response

Parameter	Data Type	Remark
status	Number	Reference to Appendix A
errMessage	String	Error Message
bagNo	String	The mail bag no. in which items are contained (starting from bag no. 1)
chargeZone	String	Charge zone of the bag
cntyCode	String	Country code of the bag
finalBag	String	Indicator of final bag Y- Final Bag N – Not final Bag
itemNo	String	Item No inside the bag

noOfItem	Integer	No. of item inside the bag, must match with length of items array
seq	Integer	Sequence of the bag, start from 1
servClass	String	Class of service selected for the item 1 – Premium Class E – Economy Class
itemChargeRate	Decimal	Charge rate per item
kgChargeRate	Decimal	Charge rate per bag weight (per kg)
postage	Decimal	Total postage of the bag
intRefNo	String	Internet Reference Number of the posting

8. EC-Ship Posting API - Cancel iMail order

Partner should call this request to cancel the iMail order record from Hongkong Post.

Function	API user can make a call to this API to cancel iMail order record.
Operations:	cancelIMailOrder
Request	CancelIMailOrderRequest - extension of type ApiRequestObject <ul style="list-style-type: none"> ▪ ecshipUsername ; type string ▪ integratorUsername ; type string ▪ intRefNo ; type string
Response	CancelIMailOrderResponse - extension of type ApiResponseObject <ul style="list-style-type: none"> ▪ errMessage ; type string ▪ status ; type int ▪ intRefNo ; type string

CancelIMailOrderRequest

Parameter	Data Type	Length Constraint (byte)	Mandatory	Remark
ecshipUsername	String	60	Y	EC-Ship usernames
integratorUsername	String	20	Y	API username
intRefNo	String	20	Y	Internet Reference Number of the posting

cancelIMailOrder Response

Parameter	Data Type	Remark
status	Number	Reference to Appendix A
errMessage	String	Error Message
intRefNo	String	Internet Reference Number of the posting

9. EC-Ship Posting API – Get iMail Order

Partner should call this request to get the iMail order record from Hongkong Post.

Function	API user can make a call to this API to cancel iMail order record.
Operations:	getIMailOrder
Request	<p>GetIMailOrderRequest - extension of type ApiRequestObject</p> <ul style="list-style-type: none"> ▪ ecshipUsername ; type string ▪ integratorUsername ; type string ▪ intRefNo ; type string
Response	<p>GetIMailOrderResponse - extension of type ApiResponseObject</p> <ul style="list-style-type: none"> ▪ errMessage ; type string ▪ status ; type int ▪ agentAddressLine1;type string ▪ agentAddressLine2;type string ▪ agentAddressLine3;type string ▪ agentAddressLine4;type string ▪ agentName;type string ▪ agentTel;type string ▪ contactAddressLine1;type string ▪ contactAddressLine2;type string ▪ contactAddressLine3;type string ▪ contactAddressLine4;type string ▪ contactPerson;type string ▪ contactTel;type string ▪ expectedPostingOffice;type string ▪ expectedPostingTime;type string ▪ getIMailBags; type ArrayOf_tns1_IMailBag <ul style="list-style-type: none"> ○ bagNo;type string ○ chargeZone; type string ○ cntyCode; type string ○ finalBag; type string

	<ul style="list-style-type: none"> ○ itemChargeRate; type double ○ items; type ArrayOf_tns1_string <ul style="list-style-type: none"> ▪ itemNo; type string ○ kgChargeRate; type double ○ noOfItem; type int ○ postage; type double ○ seq; type int ○ servClass; type string ○ totWeight; type decimal ▪ intRefNo; type string ▪ items; type ArrayOf_xsd_string <ul style="list-style-type: none"> ○ item; type string ▪ permitNo; type string ▪ postDate; type string ▪ postOffice; type string ▪ service; type string ▪ statusCode; type string ▪ totalPostage; type double ▪ totalPremPostage; type double ▪ type; type string
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GetIMailOrderRequest

Parameter	Data Type	Length Constraint (byte)	Mandatory	Remark
ecshipUsername	String	60	Y	EC-Ship usernames
integratorUsername	String	20	Y	API username
intRefNo	String	20	Y	Internet Reference Number of the posting

GetIMailOrder Response

Parameter	Data Type	Remark
status	Number	Reference to Appendix A
errorMessage	String	Error Message
agentAddressLine1 agentAddressLine2 agentAddressLine3 agentAddressLine4	String	Agent address separated into a maximum of 4 lines Recommended method of addressing: Line 1 – Flat and Floor numbers, Line 2 – Name of building, Line 3 – Number of building and name of street, Line 4 – Name of village, town or district
agentName	String	Agent full name
agentTel	String	Agent contact telephone number

contactAddressLine1 contactAddressLine2 contactAddressLine3 contactAddressLine4	String	Contact address separated into a maximum 4 lines. Recommended method of addressing: Line 1 – Flat and Floor numbers, Line 2 – Name of building, Line 3 – Number of building and name of street, Line 4 – Name of village, town or district
contactPerson	String	Contact person full name
contactTel	String	Contact telephone number
expectedPostingOffice	String	Expected posting office, please refer to the Bulk Mail Acceptance Post Office list or your assigned office if you have account.
expectedPostingTime	String	Expected posting time, please fill in the next 7 working days of the chosen posting office Format : DD/MM/YYYY
permitNo	String	Permit No of the RU express
postDate	String	Post date Format : DD/MM/YYYY
postOffice	String	Posted office code
service	String	Service code of bulk service IML
statusCode	String	Status Code of the order A – Pending Posting E – Posted
totalPostage	String	Total Postage
totalPremPostage	String	Total Insurance Postage
bagNo	String	The mail bag no. in which items are contained (starting from bag no. 1)
chargeZone	String	Charge zone of the bag
cntyCode	String	Country code of the bag
finalBag	String	Indicator of final bag Y- Final Bag N – Not final Bag
itemNo	String	Item No inside the bag
noOfItem	Integer	No. of item inside the bag, must match with length of items array
seq	Integer	Sequence of the bag, start from 1
servClass	String	Class of service selected for the item 1 – Premium Class E – Economy Class

10.EC-Ship Posting API – Get iMail Posting Statement

Partner should call this request to get the iMail order posting statement from Hongkong Post.

Function	API user can make a call to this API to get iMail order posting statement in PDF.
Operations:	getIMailPostingStatement
Request	<p>GetIMailPostingStatementRequest - extension of type ApiRequestObject</p> <ul style="list-style-type: none"> ▪ ecshipUsername ; type string ▪ integratorUsername ; type string ▪ certOfPosting; type boolean ▪ certOfPostingCopies" type int ▪ intRefNo; type string ▪ itemWithCN23; type boolean ▪ orderByClassOfServiceAndItemNo; type boolean ▪ orderBySenderReference; type boolean ▪ postingStatement; type boolean ▪ postingStatementCopies" type int ▪ printPaper; type boolean ▪ printShippingLabel; type boolean ▪
Response	<p>GetIMailPostingStatementResponse - extension of type ApiResponseObject</p> <ul style="list-style-type: none"> ▪ errMessage ; type string ▪ status ; type int ▪ statement; type base64 binary

GetIMailPostingStatement Request

Parameter	Data Type	Length Constraint (byte)	Mandatory	Remark
ecshipUsername	String	60	Y	EC-Ship usernames
integratorUsername	String	20	Y	API username
certOfPosting	boolean		Y	Print certification of Posting
certOfPostingCopies	Interger		Y	No. of copy of certification of Posting
intRefNo	String	20	Y	Internet Reference Number of the posting
itemWithCN23	boolean		Y	Print CN23 of shipping label
orderByClassOfServiceAndItemNo	boolean		Y	Print shipping label True: order by class of service and Item No False : order by sender reference

postingStatement	boolean		Y	Print Posting Statement
postingStatementCopies	Interger		Y	No. of copy of Posting Statement
printPaper	boolean		Y	Print Paper
printShippingLabel	boolean		Y	Print Shipping label

GetIMailPostingStatement Response

Parameter	Data Type	Remark
status	Number	Reference to Appendix A
errMessage	String	Error Message
statement	base64 binary	Posting statement in PDF format

11.EC-Ship Posting API – Get iMail Item Number

Partner should call this request to get the iMail item no from Hongkong Post.

Function	API user can make a call to this API to get iMail item number.
Operations:	getIMailItemNumber
Request	GetIMailItemNumberRequest - extension of type ApiRequestObject <ul style="list-style-type: none"> ▪ ecshipUsername ; type string ▪ integratorUsername ; type string ▪ permitNo; type string ▪ requestedNoOfItem; type int
Response	GetIMailItemNumberResponse - extension of type ApiResponseObject <ul style="list-style-type: none"> ▪ errMessage ; type string ▪ status ; type int ▪ items ; type ArrayOf_tns1_string <ul style="list-style-type: none"> ○ itemNo ; type String

GetIMailItemNumberRequest

Parameter	Data Type	Length Constraint (byte)	Mandatory	Remark
ecshipUsername	String	60	Y	EC-Ship usernames

integratorUsername	String	20	Y	API username
permitNo	String	10	Y	Permit number of the requester
requestedNoOfItem	Integer	4	Y	No of item no requested

GetIMailItemNumberResponse

Parameter	Data Type	Remark
status	Number	Reference to Appendix A
errMessage	String	Error Message
items	String	Array of requested Item No

12. Appendix A – Status Code and Error Message

Status Code	Meaning
0	Success

1001	Exceed the Maximum number of iMail items to create
1002	Invalid Seq No.
1003	Duplicated Seq No.
1004	Invalid Permit No.
1005	Mandatory Field
1006	Invalid input
1007	Invalid Item No.
1008	Item No. is Pending for posting / Posted
1009	Item No. not found
1010	Exceed the Maximum number of iMail items in iMail Bag
1011	No. of item not match
1012	Invalid RU express Permit No.
1013	Bag Serial No. is not valid
1014	Bag Serial No. / Item No. was received by HK Post
1015	Bag Serial No. / Item No. was associated with the iMail bag
1016	Duplicated Item No.
1017	Invalid RU express Bag Serial No.
1018	Bag Serial No. not found
1019	Invalid Recipient Country / Region for Item No.
1020	Recipient Country / Region for all item inside Bag Serial No. should be equal
1021	Sorting Code should be empty
9999	General Exception

13. Appendix B – iMail item Status

Status Code	Meaning
P	iMail item is pending to associate with the iMail bag
S	iMail item was associated with the iMail bag
N	iMail item was received by HK Post
R	iMail item was received by HK Post

14. Appendix C – iMail bag Status

Status Code	Meaning
P	iMail item is pending to associate with the iMail bag
S	iMail item was associated with the iMail bag
N	iMail item was received by HK Post
R	iMail item was received by HK Post

15.EC-Ship API Call Limit

To maintain a high level of availability and provide superior quality of service, EC-Ship limits the API call usage for API user as follows. The limits on the total calls are subjected to change, depends on actual usage of API user.

API	Daily Call Limit
Posting API	20,000