Inbound API

Technical Document for Inbound Remittance
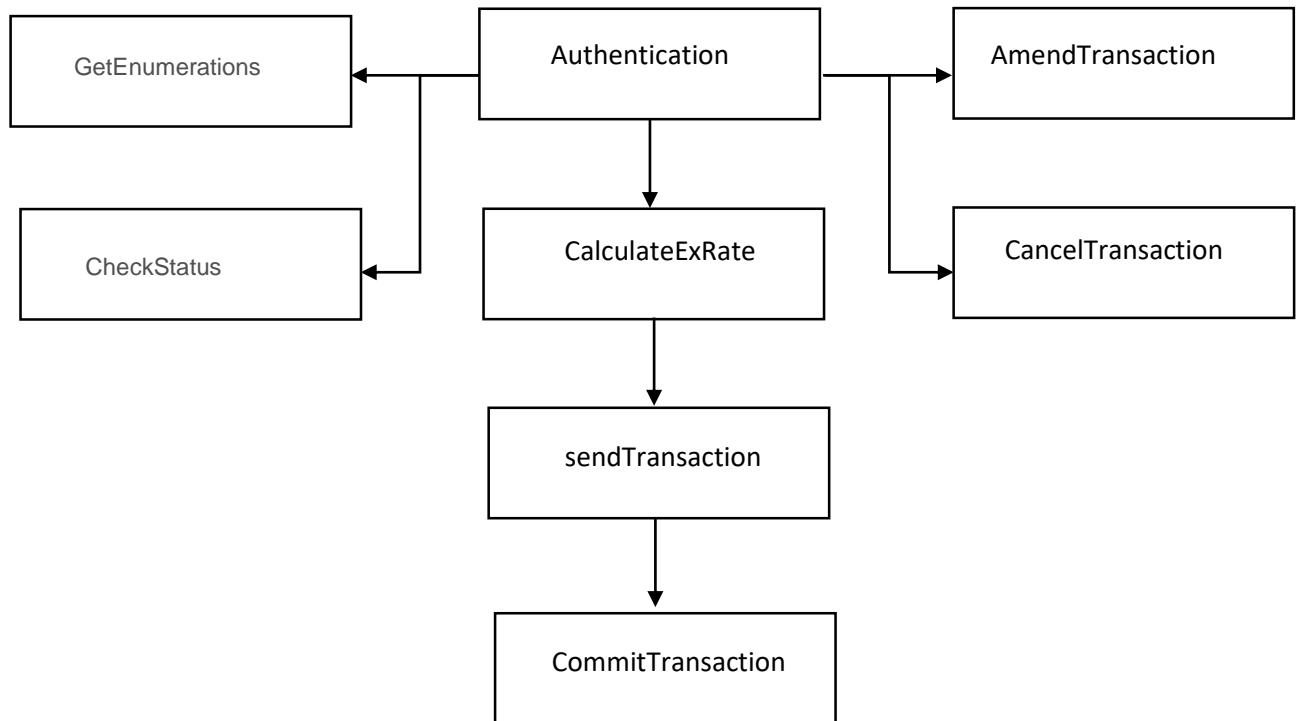
Version Control

Version Number	Description	Author(s)	Release Date
1.0	Inbound remittance document created	Chetan Shrestha	04/29/2019
1.0.1	Removed sender details in signature of AmendTransaction	Chetan Shrestha	06/25/2019

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```

Inbound Remittance Functional Description

1. Authentication

This method gives a GME session which is to be used to invoke other methods. It's a mandatory function.

Method	URL
POST	/api/inbound/authenticate

HTTP Request Headers

Header	Description
Content-Type	application/json

Request Parameters

Parameter	Type	Description	Mandatory
Username	String	Username of partner	M
AuthKey	String	Encrypt the authentication key with AES Algorithm (Keys and iv will be shared)	M
AgentCode	String	Partner agent code	M

Request Sample:

```
{
   "Username": "GIBLAPI",
   "AuthKey": "qaPoeT1YoglvWXlUrhl3jw==",
   "AgentCode": "GMEKOREARIA10042"
}
```

Response Parameters

Parameter	Description
Code	Error code defines the response status of method
Message	Response message that defines the response status of method
ProcessIdentifier	The value used while calling other methods
Token	Details required for authentication
Note	Information for token expiry

Response Sample:

```
{
    "Code": "0",
    "Message": "0:",
    "ProcessIdentifier": "1D4BBBC5-B738-4275-85C8-26F03A93DB24",
    "Detail": {
        "Token":
"o28LSvFt3hUqR9B8i6cdzd7/BL0BI5KTnY8iKbeWKcEfYBerxWh3OpkNLigH63srq324
```

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```
UgzAsW1cJ+yE7fpiKWfo7yTM8MzsT+ZaWqIzALDUD8cTb/sFj53iqTacgq7zRcgieExPR
KGXb45Lvllrff6Hbge5Of2h3hhm5CpptUpJK4cmXHR1FOtfc902a2kGouE5AkF9PAilip
EmXuZw48S/1M8qQfOb4ZDT0RB7EEabj+57OhOVKLWDyaTJVpnwpURj/bNvKRVY4iVWrUO
m2xSR1waZ+3FV/TTulDrsAkoVpvyN1nIkSTyIJ4q6Jolu07vD5khhXj6gXpWlso8HHOOB
nEwHGwlo8LOWVof3U7I07ROmcrS8PIkaYFE+XiOxFf764YBcFjrLOsmTeCVO0C9GMli+g
xARw6V/Kjh1pbg6ZAp1rgB91kP+gUXB4Hxk/d+uPKBL6v3M6w/IHxwgyLy/fnleXoaDtH
TAWIu03qSMl4RWuSwSAIWn0Yn+XQtA",
        "Note": "Token will only be Valid for 5 minutes."
    }
}
```

2. Calculate Exchange rate

The method provides the latest payout agent rate with corresponding payout agent code. It's a mandatory/optional function based on the arrangement with a partner.

Method	URL
POST	/api/inbound/CalculateExRate

HTTP Request Headers

Header	Description
Content-Type	application/json
Authorization	o28LSvFt3hUqR9B8i6cdzd7/BL0BI5KTnY8iKbeWKcEfYBerxWh3OpkNLigH63srq324 UgzAsW1cJ+yE7fpiKWfo7yTM8MzsT+ZaWqIzALB7z6KR0U9PhExyrubMuFNU5FDcx xnFqhUyWLQcPK/3fdabrg4DnqDrKWww9vHApiE7Syj2SnvNzH6qKBMsaf1xAedm2k i345kxdEq1Ia14ha12jd9Yuji1L3jyjMFhSvoQSsgVXYdDDgezKFmHEJHgVvmbsQ7bMf VKzineCXeCpvKqzAjv9iL965MdcYNAjmpbKj9YP5W/UB9LSwcFe0uRY1jAv9BFVDUA GArMz0QBkStf5ZTafiik2Qkrwzmy1ehKRRnddNLcRLnDQebaKWl3U21RRijItcK+OJch UFCzwJ9ms6QVGDlZv+2gpIH3ODfs26m4ilPIfFcF5pKDkv656S1sTSI/zNbzQahXdZ2LY 9gWlo9Pa2rvTda8xv3XGN9OqDRQ/7lrGuG8qtZnVlvC
Client	39587YT398@FBQOW8RY3#948R7GB@CNEQW987GF87$TD18$1981..919@@##j oghndvberteiru

Request Parameters

Parameter	Type	Description	Mandatory
Username	String	Username of partner	M
AgentCode	String	Partner agent code	M
ReceivingCountry	String	Payout country	M
SendingCountry	String	Sending country	M
ReceivingCurrency	String	Pauout currency code	M
Signature	String	Signature of method	M
ProcessIdentifier	String	Unique process ID (GUID) from authentication response	M

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Signature: AgentCode + Username + SendingCountry + ReceivingCountry + ReceivingCurrency + ProcessIdentifier

Request Sample:

```
{
  "Head": {
    "Username": "GIBLAPI",
    "AgentCode": "GMEKOREARIA10042"
  },
  "Body": {
    "ReceivingCountry": "KR",
    "SendingCountry": "MY",
    "ReceivingCurrency": "KRW"
  },
  "Signature":
"1QS25OE3HI2ZtQ/uXloNOmeSvGnfIixUwhN7F6GQiXAo3EtRDWew1s1M7Kg8b+2jFmyS
c082nzJ/e6GdxbHf6wyQ4x9Z7gPNYujktVcHdD4=",
    "ProcessIdentifier": "92C5D161-4CBB-4DE7-990E-4AF64763E6D7"
}
```

Response Parameters

Parameter	Description
Code	Error code defines the response status of method
Message	Response message that defines the response status of method
SendingCountry	Sending country code
ReceivingCountry	Receiving country code
ReceivingCurrency	Receiving currency code
Rate	Exchange rate for partner
ForexSession	Forex session generated during exchange rate calculation

Response Sample:

```
{
    "Code": "IB1013",
    "Message": "IB1013:Ex-Rate calculated successfully",
    "ProcessIdentifier": null,
    "Detail": {
        "SendingCountry": "NP",
        "ReceivingCountry": "KR",
        "ReceivingCurrency": "KRW",
        "Rate": "1142.49",
        "ForexSession": "C80D14E3-0C34-4748-B0FD-3BFB69AA9BF5"
    }
}
```

Inbound Remittance Functional Description

3. Create transaction

This method initiates new transaction to the payout agent. It's a mandatory function.

Method	URL
POST	/api/inbound/sendTransaction

HTTP Request Headers

Header	Description
Content-Type	application/json
Authorization	o28LSvFt3hUqR9B8i6cdzd7/BL0BI5KTnY8iKbeWKcEfYBerxWh3OpkNLigH63srq324 UgzAsW1cJ+yE7fpiKWfo7yTM8MzsT+ZaWqIzALB7z6KR0U9PhExyrubMuFNU5FDcx xnFqhUyWLQcPK/3fdabrg4DnqDrKWww9vHApiE7Syj2SnvNzH6qKBMsaf1xAedm2k i345kxdEq1Ia14ha12jd9Yuji1L3jyjMFhSvoQSsgVXYdDDgezKFmHEJHgVvmbsQ7bMf VKzineCXeCpvKqzAjv9iL965MdcYNAjmpbKj9YP5W/UB9LSwcFe0uRY1jAv9BFVDUA GArMz0QBkStf5ZTafiik2Qkrwzmy1ehKRRnddNLcRLnDQebaKWl3U21RRijItcK+OJch UFCzwJ9ms6QVGDlZv+2gpIH3ODfs26m4ilPIfFcF5pKDkv656S1sTSI/zNbzQahXdZ2LY 9gWlo9Pa2rvTda8xv3XGN9OqDRQ/7lrGuG8qtZnVlvC
Client	39587YT398@FBQOW8RY3#948R7GB@CNEQW987GF87$TD18$1981..919@@##j oghndvberteiru

Request Parameters

Parameter Group	Parameter	Type	Description	Mandatory
Head	Username	String	Username of partner	M
	AgentCode	String	Partner agent code	M
Sender	TransferReason	String	Purpose of transfer	M
	FundSource	String	Source of fund of sender	M
	FirstName	String	First name of sender	M
	MiddleName	String	Middle name of sender	O
	LastName	String	Last name of sender	M
	NativeCountry	ISO alpha 2 Country Code [NP,KR]	Native country of sender	M
	City	String	Sender's city	O
	Address	String	Sender address	M
	IdType	String	ID type of sender	M
	IdNumber	String	ID number of sender	M
	Mobile	String	Mobile number of sender	M
	Email	String	Email address of sender	O
	Bank	String	Receiver bank code	O
	AccountNo	String	Receiver bank account number	O
	Relation	String	Relation with sender	M
	FirstName	String	First name of beneficiary	M
	MiddleName	String	Middle name of beneficiary	O

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Receiver	LastName	String	Last name of beneficiary	M
	NativeCountry	ISO alpha 2 Country Code [NP,KR]	Native country of beneficiary	O
	City	String	Receiver's city	O
	Address	String	Receiver address	M
	Mobile	String	Receiver mobile number	M
Detail	ForexSessionId	String	Forex session generated during exchange rate calculation	M
	PartnerTranNo	Number	Partner transaction number	M
	PaymentMethod	String	Mode of payment	M
	SendingAmount	Money	Sending amount by customer	M
	SendingCurrency	ISO alpha 3 Currency Code [NPR,KRW]	Sending currency code	M
	SendingCountry	String	Sending Country	M
	ReceivingAmount	Money	Receivable amount by the Receiver	M
	ReceivingCurrency	ISO alpha 3 Currency Code [NPR,KRW]	Receiving currency code	M
	ReceivingCountry	String	Receiving Country	M
	ExRate	Money	Exchange rate of transaction	M
	UsdAmount	Money	Amount in USD	M
	Signature	String	Signature of method	M
	ProcessIdentifier	String	Parnter unique process ID (GUID)	M

Signature: AgentCode + Username + Sender.FirstName + Sender.MiddleName + Sender.LastName + Sender.NativeCountry + Sender.City + Sender.Address + Sender.IdType + Sender.IdNumber + Sender.Mobile + Sender.Email + Sender.TransferReason + Sender.FundSource + Receiver.FirstName + Receiver.MiddleName + Receiver.LastName + Receiver.NativeCountry + Receiver.City + Receiver.Address + Receiver.IdType + Receiver.IdNumber + Receiver.Mobile + Receiver.Email + Receiver.Bank + Receiver.AccountNo+ Receiver.Relation + Detail.ForexSSessionId + Detail.PartnerTranNo + Detail.PaymentMethod + Detail.SendingAmount+ Detail.SendingCurrency + Detail.SendingCountry + Detail.ReceivingAmount + Detail.ReceivingCurrency + Detail.ReceivingCountry + Detail.ExRate + Detail.UsdAmount+ProcessIdentifier

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Request Sample:

```
{
  "Head": {
    "Username": "GIBLAPI",
    "AgentCode": "GMEKOREARIA10042"
  },
  "Body": {
    "Sender": {
      "TransferReason": "Loan",
      "FundSource": "BUSINESS",
      "FirstName": "SAROJ",
      "MiddleName": "KUMAR",
      "LastName": "CHALISE",
      "NativeCountry": "NP",
      "City": "KATHMANDU",
      "Address": "SEOUL",
      "IdType": "8008",
      "IdNumber": "12345678987654",
      "Mobile": "9849079513",
      "Email": "saroj.chalise@gmeremit.com"
    },
    "Receiver": {
      "Bank": "034",
      "AccountNo": "98765456787",
      "Relation": "2109",
      "FirstName": "RAM",
      "MiddleName": "KUMAR",
      "LastName": "CHALISE",
      "NativeCountry": "NP",
      "City": "ARUBARI",
      "Address": "SEOUL",
      "Mobile": "9849079513"
    },
    "Detail": {
      "ForexSSessionId": "E1F49678-F67B-4539-A914-3BC1E91582C3",
      "PartnerTranNo": "10",
      "PaymentMethod": "BD",
      "SendingAmount": "1340561.52",
      "SendingCurrency": "NPR",
      "SendingCountry": "NP",
      "ReceivingAmount": "13709880.00",
      "ReceivingCurrency": "KRW",
      "ReceivingCountry": "KR",
      "ExRate": "1142.49",
      "UsdAmount": "12000"
    }
  },
  "Signature":
"1QS25OE3HI2ZtQ/uXloNOq1bbY8RBA1CxTkZt+K+IgOhiKcP2adphD+AEAPIdGNVQir4
IPR+vFYYkHkyjAUYsIDJzvUizlhYQx8oIsfAYixTODApf4vPVllgd6Z1N/kgZF9JXP7PM
UwvkjkYZpfCRJj6IJKSjDs+XW/k9mbKMXcjh/GuvnVsdAFI87Hr5kLMO0laYKsaJeGvC4
```

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```
nKUlZlPZ71eaWRLEcksGxZq0In9fLh5tNzMMxXHWXWr1uu9i9tfr1SsH36VOaGfxpiGJ+
HzFfoquYIJ0styEYrT46cDZuXYEehAxySy83elpBAefLJL4rvBbZ3eDDVSCHcXfRaby0b
NNyrcq4eoRcgQusj37ZG++HAkWkiefG5K/Pcw137",
  "ProcessIdentifier": "92C5D161-4CBB-4DE7-990E-4AF64763E6D7"
}
```

Response Parameters

Parameter	Description
Code	Error code defines the response status of method
Message	Response message that defines the response status of method
ProcessIdentifier	Parnter unique process ID (GUID)
ControlNo	PIN number of transaction
PartnerTranNo	Partner transaction number

Response Sample:

```
{
    "Code": "IB1055",
    "Message": "IB1055:send transaction success",
    "ProcessIdentifier": "92C5D161-4CBB-4DE7-990E-4AF64763E6D7",
    "Detail": {
        "ControlNo": "80176416622",
        "PartnerTranNo": "10"
    }
}
```

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4. Commit Transaction

This method confirms new transaction to the payout agent. It's a mandatory function.

Method	URL
POST	/api/inbound/CommitTransaction

HTTP Request Headers

Header	Description
Content-Type	application/json
Authorization	o28LSvFt3hUqR9B8i6cdzd7/BL0BI5KTnY8iKbeWKcEfYBerxWh3OpkNLigH63srq324 UgzAsW1cJ+yE7fpiKWfo7yTM8MzsT+ZaWqIzALB7z6KR0U9PhExyrubMuFNU5FDcx xnFqhUyWLQcPK/3fdabrg4DnqDrKWww9vHApiE7Syj2SnvNzH6qKBMsaf1xAedm2k i345kxdEq1Ia14ha12jd9Yuji1L3jyjMFhSvoQSsgVXYdDDgezKFmHEJHgVvmbsQ7bMf VKzineCXeCpvKqzAjv9iL965MdcYNAjmpbKj9YP5W/UB9LSwcFe0uRY1jAv9BFVDUA GArMz0QBkStf5ZTafiik2Qkrwzmy1ehKRRnddNLcRLnDQebaKWl3U21RRijItcK+OJch UFCzwJ9ms6QVGDlZv+2gpIH3ODfs26m4ilPIfFcF5pKDkv656S1sTSI/zNbzQahXdZ2LY 9gWlo9Pa2rvTda8xv3XGN9OqDRQ/7lrGuG8qtZnVlvC
Client	39587YT398@FBQOW8RY3#948R7GB@CNEQW987GF87$TD18$1981..919@@##j oghndvberteiru

Request Parameters

Parameter Group	Parameter	Type	Description	Mandatory
Head	Username	String	Username of partner	M
	AgentCode	String	Partner agent code	M
Body	ControlNo	String	PIN number of transaction	M
	PartnerTranNo	String	Partner transaction number	M
	IsApproved	String	Check whether PIN is approved or not	M
	Signature	String	Signature of method	M
	ProcessIdentifier	String	Parnter unique process ID (GUID)	M

Signature: AgentCode + Username + ControlNo + PartnerTranNo + IsApproved + ProcessIdentifier

Request Sample:

```
{
  "Head": {
    "Username": "GIBLAPI",
    "AgentCode": "GMKOR1056"
  },
  "Body": {
    "ControlNo": "80149918757",
    "PartnerTranNo": "745793572573",
    "IsApproved": true
```

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```
    },
    "Signature":
"1QS25OE3HI2ZtQ/uXloNOlwGaUxc68ZT9FjhuomhCIhbOrQWeoBti9kiX+PtwwsP8n2D
bOe1G2d9JwQ5C3vJAwGJsfMtncMPLOe0WY32CBk=",
    "ProcessIdentifier": "wertysdfsuiopty7778uiop3456789"
}
```

Response Parameters

Parameter	Description
Code	Error code defines the response status of method
Message	Response message that defines the response status of method
ProcessIdentifier	Parnter unique process ID (GUID)
ControlNo	PIN number of transaction
PartnerTranNo	Partner transaction number
TranDate	Transaction date (YYYY-MM-DD)
TranNo	Transaction number

Response Sample:

```
{
    "Code": "IB1055",
    "Message": "IB1055:",
    "ProcessIdentifier": "wertysdfsuiopty7778uiop3456789",
    "Detail": {
        "ControlNo": "80149918757",
        "PartnerTranNo": "745793572573",
        "TranDate": "2019-04-18",
        "TranNo": "10"
    }
}
```

5. Modify Transaction

This method updates the beneficiary information of a money transfer registered in the GME service.

Method	URL
POST	/api/inbound/AmendTransaction

HTTP Request Headers

Header	Description
Content-Type	application/json
Authorization	o28LSvFt3hUqR9B8i6cdzd7/BL0BI5KTnY8iKbeWKcEfYBerxWh3OpkNLigH63srq324 UgzAsW1cJ+yE7fpiKWfo7yTM8MzsT+ZaWqIzALB7z6KR0U9PhExyrubMuFNU5FDcx xnFqhUyWLQcPK/3fdabrg4DnqDrKWww9vHApiE7Syj2SnvNzH6qKBMsaf1xAedm2k

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	i345kxdEq1Ia14ha12jd9Yuji1L3jyjMFhSvoQSsgVXYdDDgezKFmHEJHgVvmbsQ7bMf VKzineCXeCpvKqzAjv9iL965MdcYNAjmpbKj9YP5W/UB9LSwcFe0uRY1jAv9BFVDUA GArMz0QBkStf5ZTafiik2Qkrwzmy1ehKRRnddNLcRLnDQebaKWl3U21RRijItcK+OJch UFCzwJ9ms6QVGDlZv+2gpIH3ODfs26m4ilPIfFcF5pKDkv656S1sTSI/zNbzQahXdZ2LY 9gWlo9Pa2rvTda8xv3XGN9OqDRQ/7lrGuG8qtZnVlvC
Client	39587YT398@FBQOW8RY3#948R7GB@CNEQW987GF87$TD18$1981..919@@##j oghndvberteiru

Request Parameters

Parameter Group	Parameter	Type	Description	Mandatory
Head	Username	String	Username of partner	M
	AgentCode	String	Partner agent code	M
	ControlNo	String	PIN number of transaction	M
	PartnerTranNo	String	Partner transaction number	M
	TranNo	String	Transaction number	M
Sender	FirstName	String	First name of sender	O
	MiddleName	String	Middle name of sender	O
	LastName	String	Last name of sender	O
	IdType	String	ID type of sender	O
	IdNumber	String	ID number of sender	O
Receiver	FirstName	String	First name of beneficiary	O
	MiddleName	String	Middle name of beneficiary	O
	LastName	String	Last name of beneficiary	O
	Bank	String	Receiver bank code	O
	AccountNo	String	Receiver bank account number	O
	Mobile	String	Receiver mobile number	O
	Signature	String	Signature of method	M
	ProcessIdentifier	String	Parnter unique process ID (GUID)	M

Signature:

AgentCode + Username + ControlNo + PartnerTranNo + TranNo + Receiver.FirstName + Receiver.MiddleName + Receiver.LastName + Receiver.Mobile + Receiver.Bank + Receiver.AccountNo + ProcessIdentifier

Request Sample:

```
{
  "Head": {
    "Username": "GIBLAPI",
    "AgentCode": "GMEKOREARIA10042"
  },
  "Body": {
    "ControlNo": "80153689586",
    "PartnerTranNo": "10",
```

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```
      "TranNo": "38",
      "Sender": {
        "FirstName": "KAMALAA",
        "MiddleName": "",
        "LastName": "KHATRI",
        "IdType": "8008",
        "IdNumber": "112233"
      },
      "Receiver": {
        "FirstName": "PREYEA",
        "MiddleName": "RANJAN",
        "LastName": "REGMI",
        "Bank": "088",
        "AccountNo": "123456",
        "Mobile": "9849273231"
      }
   },
   "Signature":
"1QS25OE3HI2ZtQ/uXloNOqX6UPmn/D7GmkI8gsX6AGqV6q2ybRFUwB0dnl6hSDieD1ny
/cccCD9bCa9vJvSNR9cCfyuHt/KDXSZCR4mQktq6792hYwXDA9sP4ygXVCd22LuhEkE2v
LQcY2J4r6RLyPK0ZTVRV9AalxIZ1AisPZZ9vYuHgI0kJvVZQEPSBX1s",
   "ProcessIdentifier": "7AD5922A-29C0-4425-875D-15B424939DBC"
}
```

Response Parameters

Parameter	Description
Code	Error code defines the response status of method
Message	Response message that defines the response status of method
ProcessIdentifier	Parnter unique process ID (GUID)
ControlNo	PIN number of transaction
PartnerTranNo	Partner transaction number
TranNo	Transaction number
TranDate	Transaction date (YYYY-MM-DD)

Response Sample:

```
{
    "Code": "IB1062",
    "Message": "IB1062:amend transaction success",
    "ProcessIdentifier": "7AD5922A-29C0-4425-875D-15B424939DBC",
    "Detail": {
        "ControlNo": "80153689586",
        "PartnerTranNo": null,
        "TranNo": "10",
        "TranDate": "4/29/2019 3:39:15 PM"
    }
}
```

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6. Cancel transaction

This method cancels the transaction created for particular payout partner.

Method	URL
POST	/api/inbound/CancelTransaction

HTTP Request Headers

Header	Description
Content-Type	application/json
Authorization	o28LSvFt3hUqR9B8i6cdzd7/BL0BI5KTnY8iKbeWKcEfYBerxWh3OpkNLigH63srq324 UgzAsW1cJ+yE7fpiKWfo7yTM8MzsT+ZaWqIzALB7z6KR0U9PhExyrubMuFNU5FDcx xnFqhUyWLQcPK/3fdabrg4DnqDrKWww9vHApiE7Syj2SnvNzH6qKBMsaf1xAedm2k i345kxdEq1Ia14ha12jd9Yuji1L3jyjMFhSvoQSsgVXYdDDgezKFmHEJHgVvmbsQ7bMf VKzineCXeCpvKqzAjv9iL965MdcYNAjmpbKj9YP5W/UB9LSwcFe0uRY1jAv9BFVDUA GArMz0QBkStf5ZTafiik2Qkrwzmy1ehKRRnddNLcRLnDQebaKWl3U21RRijItcK+OJch UFCzwJ9ms6QVGDlZv+2gpIH3ODfs26m4ilPIfFcF5pKDkv656S1sTSI/zNbzQahXdZ2LY 9gWlo9Pa2rvTda8xv3XGN9OqDRQ/7lrGuG8qtZnVlvC
Client	39587YT398@FBQOW8RY3#948R7GB@CNEQW987GF87$TD18$1981..919@@##j oghndvberteiru

Request Parameters

Parameter Group	Parameter	Type	Description	Mandatory
Head	Username	String	Username of partner	M
	AgentCode	String	Partner agent code	M
Body	ControlNo	String	PIN number of transaction	M
	PartnerTranNo	String	Partner transaction number	M
	TranNo	String	Transaction number	M
	TranDate	String	Transaction cancel date (YYYY-MM-DD)	M
	Reason	String	Transaction cancel reason	M
	Signature	String	Signature of the method	M
	ProcessIdentifier	String	Parnter unique process ID (GUID)	M

Signature: AgentCode + Username + ControlNo + PartnerTranNo + TranNo + TranDate + Reason + ProcessIdentifier

Request Sample:

```
{
  "Head": {
    "Username": "GIBLAPI",
    "AgentCode": "GMEKOREARIA10042"
  },
```

Inbound Remittance Functional Description

```
    "Body": {
        "ControlNo": "80153689586",
        "PartnerTranNo": "10",
        "TranNo": "38",
        "TranDate": "2019-04-26",
        "Reason": "Mistake transaction"
    },
    "Signature":
"1QS25OE3HI2ZtQ/uXloNOqX6UPmn/D7GmkI8gsX6AGqn1VpbsW9gaRsRt6XKbjGKQ7qo
A8Qcrwy/y5LqSWbALR3iyii4Sl7amOksxahc2B1f3rfN/qCKDBLxvw74joywNfvFT9/qR
ZU6Zu/8GM6lpA==",
    "ProcessIdentifier": "7AD5922A-29C0-4425-875D-15B424939DBC"
}
```

Response Parameters

Parameter	Description
Username	Username of the partner
AgentCode	Agent code of partner
ControlNo	Pin number
PartnerTranNo	Partner transaction number
TranNo	Transaction number
TranDate	Transaction created date (YYYY-MM-DD)
Reason	Reason of cancel
Signature	Signature of the method
ProcessIdentifier	Parnter unique process ID (GUID)

Response Sample:

```
{
    "Code": "IB1066",
    "Message": "IB1066:cancel transaction success",
    "ProcessIdentifier": "7AD5922A-29C0-4425-875D-15B424939DBC",
    "Detail": {
        "ControlNo": "80153689586",
        "PartnerTranNo": "10",
        "TranNo": "38",
        "TranDate": "2019-04-26"
    }
}
```

Inbound Remittance Functional Description

7. Check transaction status

This method gives details status of transaction.

Method	URL
POST	/api/inbound/CheckStatus

HTTP Request Headers

Header	Description
Content-Type	application/json
Authorization	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6InNhcm9qIiwiR3VpZCI6ImJiN2MwYjJkLTFjOTktNDc3ZS1iOTg2LTU5NjdkODc3ZTZiNSIsIm5iZiI6MTU1NDk2ODIzOSwiZXhwIjoxNTU1NTY4MjM5LCJpYXQiOjE1NTQ5NjgyMzksImlzcyI6Imh0dHA6Ly9sb2NhbGhvc3Q6NTk0MjIiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjU5NDIwIn0.1o1bxos13OYuOpp7cdOSa8BWk4CAEPP2TwiE0DKC5ng
Client	39587YT398@FBQOW8RY3#948R7GB@CNEQW987GF87$TD18$1981..919@@##joghndvberteiru

Request Parameters

Parameter Group	Parameter	Type	Description	Mandatory
Head	Username	String	Username of partner	M
	AgentCode	String	Partner agent code	M
Body	ControlNo	String	PIN number of transaction	M
	PartnerTranNo	String	Partner transaction number	M
	TranNo	String	Transaction number	M
	Signature	String	Signature of the method	M
	ProcessIdentifier	String	Parnter unique process ID (GUID)	M

Signature: AgentCode + Username + ControlNo + PartnerTranNo +TranNo+ProcessIdentifier

Request Sample:

```
{
  "Head": {
    "Username": "GIBLAPI",
    "AgentCode": "GMEKOREARIA10042"
  },
  "Body": {
    "ControlNo": "80176416622",
    "PartnerTranNo": "10",
    "TranNo": "39"
  },
  "Signature":
"1QS25OE3HI2ZtQ/uXloNOlwGaUxc68ZT9FjhuomhCIiwx5GPzEfD/6DEWhKk/E/drMk3
KtWlfyMUXa/rpzhNWeo+0WHPL6rsRy26Vosp5Jo=",
```

Inbound Remittance Functional Description

```
    "ProcessIdentifier": "92C5D161-4CBB-4DE7-990E-4AF64763E6D7"
}
```

Response Parameters

Parameter	Description
Code	Error code defines the response status of method
Message	Response message that defines the response status of method
ProcessIdentifier	Parnter unique process ID (GUID)
ControlNo	PIN number of transaction
PartnerTranNo	Partner transaction number
Status	Transaction status
TranDate	Transaction created date (YYYY-MM-DD)
PaidDate	Transaction paid date (YYYY-MM-DD)
CancelRequestDate	Date requested for cancel of transaction (YYYY-MM-DD)
CancelledDate	Transaction cancelled date (YYYY-MM-DD)

Response Sample:

```
{
    "Code": "IB1061",
    "Message": "IB1061:check status success",
    "ProcessIdentifier": "92C5D161-4CBB-4DE7-990E-4AF64763E6D7",
    "Detail": {
        "ControlNo": "80176416622",
        "PartnerTranNo": "10",
        "Status": "UNPAID",
        "TranDate": "2019-04-25",
        "PaidDate": "",
        "CancelRequestDate": "",
        "CancelledDate": ""
    }
}
```

Inbound Remittance Functional Description

8. Get Enumerations

This method pulls the list of values available in particular selection parameters.

Method	URL
POST	/api/inbound/GetEnumerations

HTTP Request Headers

Header	Description
Content-Type	application/json
Authorization	o28LSvFt3hUqR9B8i6cdzd7/BL0BI5KTnY8iKbeWKcEfYBerxWh3OpkNLigH63srq324 UgzAsW1cJ+yE7fpiKWfo7yTM8MzsT+ZaWqIzALB7z6KR0U9PhExyrubMuFNU5FDcx xnFqhUyWLQcPK/3fdabrg4DnqDrKWww9vHApiE7Syj2SnvNzH6qKBMsaf1xAedm2k i345kxdEq1Ia14ha12jd9Yuji1L3jyjMFhSvoQSsgVXYdDDgezKFmHEJHgVvmbsQ7bMf VKzineCXeCpvKqzAjv9iL965MdcYNAjmpbKj9YP5W/UB9LSwcFe0uRY1jAv9BFVDUA GArMz0QBkStf5ZTafiik2Qkrwzmy1ehKRRnddNLcRLnDQebaKWl3U21RRijItcK+OJch UFCzwJ9ms6QVGDlZv+2gpIH3ODfs26m4ilPIfFcF5pKDkv656S1sTSI/zNbzQahXdZ2LY 9gWlo9Pa2rvTda8xv3XGN9OqDRQ/7lrGuG8qtZnVlvC
Client	39587YT398@FBQOW8RY3#948R7GB@CNEQW987GF87$TD18$1981..919@@##j oghndvberteiru

Request Parameters

Parameter Group	Parameter	Type	Description	Mandatory
Head	Username	String	Username of partner	M
	AgentCode	String	Partner agent code	M
Body	Type	String	Type of enumeration	M
	Signature	String	Signature of method	M
	ProcessIdentifier	String	Parnter unique process ID (GUID)	M

Signature: AgentCode + Username + Type + ProcessIdentifier

Request Sample:

ID Type:

```
{
  "Head": {
    "Username": "GIBLAPI",
    "AgentCode": " GMEKOREARIA10042 "
  },
  "Body": {
    "Type": "idType"
  },
```

Inbound Remittance Functional Description

```
  "Signature": "
1QS25OE3HI2ZtQ/uXloNOsgvZPERsbF0cJmaQ9enhIJwcO7kM0Sp7GXxmtBOVczP7mWkg
PROA4ZkxUmF+xzjQ0498oWWSpbbfj32PfNVdW0= ",
  "ProcessIdentifier": "wertysdfsuiopty7778uiop3456789"
}
```

Relation:

```
{
  "Head": {
    "Username": "GIBLAPI",
    "AgentCode": "GMEKOREARIA10042"
  },
  "Body": {
    "Type": "relation"
  },
  "Signature":
"1QS25OE3HI2ZtQ/uXloNOsgvZPERsbF0cJmaQ9enhIJwcO7kM0Sp7GXxmtBOVczP7mWk
gPROA4ZkxUmF+xzjQ0498oWWSpbbfj32PfNVdW0=",
  "ProcessIdentifier": "1D4BBBC5-B738-4275-85C8-26F03A93DB24"
}
```

Payment method:

```
{
  "Head": {
    "Username": "GIBLAPI",
    "AgentCode": "GMEKOREARIA10042"
  },
  "Body": {
    "Type": "paymentmethod"
  },
  "Signature":
"1QS25OE3HI2ZtQ/uXloNOrI/M5yHH1Q/eSHWmX3QATAj6YItot7qceot3ZpD7YoSIxfy
ROszJLOAZOzKuN0QfKGK1OszFkjrZbZcBiJG5KM=",
  "ProcessIdentifier": "1D4BBBC5-B738-4275-85C8-26F03A93DB24"
}
```

Bank:

```
{
  "Head": {
    "Username": "GIBLAPI",
    "AgentCode": "GMEKOREARIA10042"
  },
  "Body": {
    "Type": "bank"
  },
```

Inbound Remittance Functional Description

```
    "Signature":
"1QS25OE3HI2ZtQ/uXloNOj+hJlqxqs4y8ChhaUeboS7ltrcFT0xMEg1HRtiRrFH/osUH
ijZDq2xrYWx24PfJeQ==",
    "ProcessIdentifier": "1D4BBBC5-B738-4275-85C8-26F03A93DB24"
}
```

Response Parameters

Parameter	Description
Code	Error code defines the response status of method
Message	Response message that defines the response status of method
ProcessIdentifier	Parnter unique process ID (GUID)
Enums	Enumerations

Response Sample:
ID Type:

```
{
    "Code": "IB1064",
    "Message": "IB1064:",
    "ProcessIdentifier": "wertysdfsuiopty7778uiop3456789",
    "Detail": {
        "Enums": {
            "1302": "Alien Registration Card",
            "8008": "National ID",
            "10997": "Passport",
            "11020": "Driving License"
        }
    }
}
```

Relation:

```
{
    "Code": "IB1064",
    "Message": "IB1064:get enum success",
    "ProcessIdentifier": "1D4BBBC5-B738-4275-85C8-26F03A93DB24",
    "Detail": {
        "Enums": {
            "2101": "Father",
            "2102": "Mother",
            "2103": "Grand Father",
            "2104": "Grand Mother",
            "2105": "Husband",
            "2106": "Wife",
            "2107": "Father in Law",
            "2108": "Mother in Law",
```

Inbound Remittance Functional Description

```
            "2109": "Brother",
            "2110": "Brother in Law",
            "2111": "Sister",
            "2112": "Sister in Law",
            "2113": "Son",
            "2114": "Daughter",
            "2115": "Uncle",
            "2116": "Aunt",
            "2117": "Cousin",
            "2120": "Friend",
            "2121": "Self",
            "10998": "Daughter in Law"
        }
    }
}
```

Payment method:

```
{
    "Code": "IB1064",
    "Message": "IB1064:get enum success",
    "ProcessIdentifier": "1D4BBBC5-B738-4275-85C8-26F03A93DB24",
    "Detail": {
        "Enums": {
            "BD": "Bank Deposit",
            "CP": "Cash Payment",
            "D2D": "Home Delivery",
            "EC": "Card Payment",
            "MW": "Mobile Wallet"
        }
    }
}
```

Bank:

```
{
    "Code": "IB1064",
    "Message": "IB1064:get enum success",
    "ProcessIdentifier": "1D4BBBC5-B738-4275-85C8-26F03A93DB24",
    "Detail": {
        "Enums": {
            "088": "Shinhan Bank",
            "081": "KEB Hana Bank",
            "071": "Korea Post(Epost)",
            "055": "Deutsche Bank",
            "054 ": "HSBC",
            "048": "Credit Union (Shinhyup)",
            "045": "Korea Federation of Community Credit
Cooperatives(KFCC)",
            "039": "Kyongnam Bank",
```

Inbound Remittance Functional Description

```
            "037": "Jeonbuk Bank(JB)",
            "035": "Jeju Bank",
            "034": "Kwangju Bank(KJ)",
            "032": "Busan Bank(BNK)",
            "031": "Daegu Bank(DGB)",
            "027": "Citibank Korea",
            "023": "Standard Chartered Korea(SC First)",
            "020": "Woori Bank",
            "011": "Nonghyup Bank(NH)",
            "007": "Suhyup Local Cooperatives",
            "004": "Kookmin-Bank(KB)",
            "003": "Industrial Bank of Korea(IBK)",
            "002": "Korea Development Bank(KDB)"
        }
    }
}
```

Inbound Remittance Functional Description

9. Error code

Code	Message
IB1000	Valid Parameters
IB1001	Username is empty.
IB1002	Password is empty.
IB1003	AgentCode is empty.
IB1004	Invalid credentials, authentication failed.
IB1005	Invalid request. Please check your request parameter.
IB1006	Sending country is either empty or of invalid length
IB1007	Receiving country is either empty or of invalid length
IB1008	Receiving currency is either empty or invalid. Valid value includes ISO Alpha-3(USD)
IB1009	Receiving amount is either empty or invalid. Valid value(########.##)
IB1010	Sending amount is either empty or invalid. Valid value(########.##)
IB1011	Sending currency is either empty or invalid. Valid value includes ISO Alpha-3(USD)
IB1012	Invalid Process identifier
IB1013	Ex-Rate calculated successfully
IB1014	invalid sender firstname
IB1015	invalid sender middlename
IB1016	invalid sender lastname
IB1017	invalid sender nativecountry
IB1018	invalid sender city
IB1019	invalid sender address
IB1020	invalid sender idtype
IB1021	invalid sender idnumber
IB1022	invalid sender mobile
IB1023	invalid sender email
IB1024	invalid receiver firstname
IB1025	invalid receiver middlename
IB1026	invalid receiver lastname
IB1027	invalid receiver nativecountry
IB1028	invalid receiver city
IB1029	invalid receiver address
IB1030	invalid receiver idtype
IB1031	invalid receiver idnumber
IB1032	invalid receiver mobile
IB1033	invalid receiver email
IB1034	invalid transfer reason
IB1035	invalid fund source
IB1036	invalid receiver bank
IB1037	invalid receiver bank branch
IB1038	invalid receiver account no
IB1039	invalid receiver relationship
IB1040	invalid forex session

Inbound Remittance Functional Description

IB1041	invalid partner tran no
IB1042	invalid payment method
IB1043	invalid usd amount
IB1044	invalid exrate
IB1045	invalid tran no
IB1046	invalid cancel reason
IB1047	invalid tran date
IB1048	amend transaction fail
IB1049	invalid enums requested
IB1050	no rate found
IB1051	error calculation
IB1052	sender missing
IB1053	receiver missing
IB1054	tran detail missing
IB1055	send transaction success
IB1056	send transaction fail
IB1057	invalid control no
IB1058	invalid commit txn mode
IB1059	invalid signature
IB1060	check status error
IB1061	check status success
IB1062	amend transaction success
IB1063	get enum failed
IB1064	get enum success
IB1065	cancel transaction fail
IB1066	cancel transaction success
0	Operation successfully executed.
1	Failed to executed operation successfully.
2	Unauthorised access.

Inbound Remittance Functional Description