IMOne - Operator Wallet

API Web Services

Specification Document

Version <1.13>

REVISION HISTORY

Version	Date	Remarks	Prepared By
1.0	19 Oct 2017	Release of IMOne – Operator Wallet API document 1.0	Clarence Kok, Widyawati
1.1	31 May 2018	Added a new property "Type" in Place Bet API Input	Clarence Kok
1.2	12 Feb 2019	2.1 Get Balance Input: Added new property "ProductWallet" 2.2 Place Bet Introduce token validation mechanism Input: Added new property "Platform" (Live Dealer Only). Amend property "GameName" to optional. 2.3 Settle Bet Input: Amend property "GameName" to optional.	Clarence Kok
1.3	20 Mar 2019	2.3 Settle Bet - IM Slot Input: Add "RoundId" parameter. 2.4 Refund/Cancel – Update the response description	Widyawati, Clarence Kok
1.4	9 Apr 2019	2.3 Settle Bet - IM LiveDealer and IM Slot Input: Add "Type" attribute. 2.4 Refund/Cancel – Add new TransactionType option. Amend relevant description.	Widyawati, Clarence Kok
1.5	2 May 2019	2.3 Settle Bet – Standardize data type of RefTransactionId for both Slot and Live Dealer 2.4 Refund/Cancel – Add 'Provider' parameter	Widyawati, Clarence Kok
1.6	11 Jun 2019	2.3 Settle Bet – Add "BetType" attribute for IM Live Dealer.	Clarence Kok
1.7	4 Jul 2019	2.2 Place Bet – Add new Type: "ProviderTourFee" for IM Live Dealer 2.4 Refund/Cancel – Add new Type "CancelProviderTourFee" and "CancelProviderBonus" for IM Live Dealer.	Clarence Kok
1.8	30 Jul 2019	2.2 Place Bet, 2.3 Settle Bet – Update sample input's provider attribute value	Clarence Kok
1.9	24 Sep 2019	2.1 – 2.3 – Update decimal place from 2 to up to 4. 2.1 – 2.4 – Add new product IM Lottery ad its relevant changes.	Clarence Kok
1.10	02 Sep 2019	2.2 Place Bet Added new "ProviderPlayerId" parameter for Live Dealer, Slot, and Lottery Add 'Type' and 'Platform' parameter for Slot	Zhi Cong, Widyawati
1.11	21 Oct 2019	1) Added new APIs: • 2.5 FreeRoundPlaceBet • 2.6 FreeRoundWinResult	Zhi Cong
1.12	07 Nov 2019	1) Updated sample input parameter's value – Provider parameter: 2.5 & 2.6 – from "Netent" to "NETENT_SLOT"	Zhi Cong

Version	Date	Remarks	Prepared By
1.13	20 Jan 2020	1) 2.3 - Add new Type: ProviderTourRefund, Add Sample Input (Live Dealer – Tournament) 2) 2.2, 2.3, 2.4 – Update Type description to highlight eBet ONLY options.	Clarence Kok

TABLE OF CONTENT

1) Integration Overview

This integration document will cover the REST API that need to be prepared by Merchant/Operator side in order to perform integration of Operator Wallet Model with IMOne.

For the detail specification of available IMOne APIs for Operator to call (create player, launch game etc), please refer to **IMOne - API Specification vX.X.pdf**. In the following API can be ignored as they are not applicable to Operator Wallet model:
- 2.4 Fund Transfer
- 2.4.1 Check Transfer Status
- 2.5 Player's Current Balance

1.1   Definitions, Acronyms & Abbreviations

Term	Definition
Merchant/Operator	IMOnecustomer that is integrated with IMOne system and own Players. The term of Merchant and Operator are used interchangeably in this document.
Member/Player	Customer of the Merchant/Operator and end user of the IM Lobby and Games. The term of Member and Player are used interchangeably in this document.
Provider	3rd party provider of game content that is integrated with the IMOne system.
IM	InplayMatrix.

1.2   Security

For security reason, operator is expected to setup the environment that restricts the incoming access by IP addresses.
IM will provide Operator the IP addresses that will access the Operator side API.

1.3 Global Responses

The following response codes are being used in all API calls.

Response Code	Respond Message	Remarks
0	Successful.	Successful response will return this response code.
612	Invalid Argument.	Return this response code if any request parameter/parameter value is invalid.
999	System has failed to process your request.	Failed response will return this response code. Operator may append other error details in Response Message.

Note:

1. Response must be in JSON format. Refer sample response of each API in the following sections.
2. Place Bet, Settle Bet and Refund APIs in this specification are idempotent; that is, multiple requests with the same "TransactionId" must have the same effect on your system as if the requests were issued only once. For example, multiple Place Bet requests with the same "TransactionId" must result in money being deducted only once. For successful transactions, the IMOne assumes that any subsequent requests yield the same response.

2) REST API (Merchant/Operator Side)

This section outlines all APIs need to be prepared at Merchant/Operator Side.

2.1 Get Balance

This API returns the current balance of a player.

Sample URL: POST http://<domain>/GetBalance

Sample Input (Live Dealer)

```
{
    "ProductWallet": "IMLiveDealer",
    "PlayerId":"myPlayerId",
    "Currency": "USD"
}
```

Sample Input (Slot)
```
{
    "ProductWallet": "IMSlot",
    "PlayerId":"myPlayerId",
    "Currency": "USD"
}
```

Sample Input (Lottery)
```
{
    "ProductWallet": "IMLottery",
    "PlayerId":"myPlayerId",
    "Currency": "CNY"
}
```

Property Name	Data Type	Mandatory	Description
Product Wallet	String (20)	Yes	• Product Wallet of the balance you would like to retrieve. • Options: IMLiveDealer, IMSlot, IMLottery
PlayerId	String (30)	Yes	• Player's ID. This ID is the same ID that operator sent to IM during player registration.
Currency	String(3)	Yes	• Player's registered Currency with IMOne.

Response Code:

Respond Code	Respond Message	Remark
504	Player does not exist.	Return this code if player is not found at Operator side.
542	Player is inactive.	Return this code if player is set to inactive at Operator side.

Sample Response (Success):

```
{
        "Code": 0,
        "Message": "Successful.",
        "PlayerID": "myPlayerId",
        "Currency": "USD",
        "Balance":189910.50
}
```

Sample Response (Failed):

```
{
        "Code": 999,
        "Message": "System has failed to process your request.",
}
```

Note:
1. Response should return Balance up to 4 decimal points.
2. Balance must be returned in player registered currency with IM.

2.2   Place Bet

This API is called by IM when player place bet. The purpose of the bet request is to initialize start of a game and to deduct the bet amount from the player current account balance.

Sample URL: POST http://<domain>/PlaceBet

Sample Input (Live Dealer)

```
{
    "ProductWallet": "IMLiveDealer",
     "SessionToken":"asdfgqwer0987",
     "Transactions": [
          {
                "PlayerId":"TF88_890309",
```

```
                    "ProviderPlayerId":"TF88_890309",
                    "Provider": " ASIAGAMING_LD ",
                    "GameId": "imgame13042",
                    "GameName": "VIP Baccarats",
                    "RoundId": "91c780e9-9e4a-e711-80be-0050568c10c1",
                    "BetId": "9afa16ad-c1df-47ae-93f0-b5b942a5200d"
                    "TransactionId": "TLD20170606180048154L8Eg52Na",
                    "Type": "Bet",
                    "Currency": "CNY",
                    "Amount": 10,
                    "Platform": "Desktop",
                    "Timestamp": "2016-10-10 01:29:33 +08:00"
              },
              {
                    "PlayerId":"TF88_890309",
                    "ProviderPlayerId":"TF88_890309",
                    "Provider": " ASIAGAMING_LD ",
                    "GameId": "imgame13042",
                    "GameName": "VIP Baccarats",
                    "RoundId": "91c780e9-9e4a-e711-80be-0050568c10c1",
                    "BetId": "9afa16ad-c1df-47ae-93f0-b5b942a5aaaa",
                    "TransactionId": "TLD20170606180022735gX28sTWH",
                    "Type": "Tips",
                    "Currency": "CNY",
                    "Amount": 20,
                    "Platform": "NA",
                    "Timestamp": "2016-10-10 01:29:33 +08:00"
              }
         ]
    }
```

Sample Input (Live Dealer - Tournament)

```
    {
         "ProductWallet": "IMLiveDealer",
         "SessionToken":"asdfgqwer0987",
         "Transactions": [
              {
                    "PlayerId":"TF88_890309",
                    "ProviderPlayerId":"x7pcijrbbluxbsfq",
                    "Provider": "EBET_LD",
                    "GameId": "imebetldtour01",
                    "GameName": "eBet Tournament",
                    "RoundId": " MB122-190408114645",
                    "BetId": "a007_MB122",
```

```json
            "TransactionId": " imTrans001",
            "Type": "ProviderTourFee",
            "Currency": "CNY",
            "Amount": 100,
            "Platform": "Desktop",
            "Timestamp": "2016-10-10 01:29:33 +08:00"
        }
    ]
}
```

Sample Input (Slot)

```json
{
    "ProductWallet": "IMSlot",
    "SessionToken":"asdfgqwer0987",
    "Transactions": [
        {
            "PlayerId":"TF88_890309",
            "ProviderPlayerId":"x7pcijrbbluxbsfq",
            "Provider": "Z88_SLOT",
            "GameId": "imgameS2201",
            "GameName": "MonkeyKing",
            "RoundId": "91c780e9-9e4a-e711-80be-0050568c10c1",
            "TransactionId": "IMSS111KL00384750432K1W1",
            "Type": "Bet",
            "Currency": "CNY",
            "Amount": 100,
            "Platform": "Desktop",
            "Timestamp": "2017-03-10 01:29:33 +08:00"
        }
    ]
}
```

Sample Input (Lottery)

```json
{
    "ProductWallet": "IMLottery",
    "SessionToken":"asdfgqwer0987",
    "Transactions": [
    {
        "PlayerId":"TF88_890309",
        "ProviderPlayerId":"x7pcijrbbluxbsfq",
        "Provider": "SHICAI_LOTTERY",
        "GameId": "imlottery12345",
        "GameName": "CQSSC",
```

```
        "GameNo": "12345",
        "BetId": "lotterybet123",
        "TransactionId": "trans12345",
        "Type": "Bet",
        "Currency": "CNY",
        "Amount": 10.0000,
        "BetOn": "后三直选",
        "BetType": "5&6&7&8&9|0&1&2&3&4&5&6&7&8&9",
        "Platform": "NA",
        "Tray": "NA",
        "BetDate": "2019-10-10 01:29:30 +08:00",
        "Timestamp": "2019-10-10 01:29:33 +08:00"
    }]
}
```

Property Name	Data Type	Mandatory	Description
Product Wallet	String(20)	Yes	• Product Wallet of the bet. • Options: IMLiveDealer, IMSlot, IMLottery
SessionToken	String(32)	Yes	• Session Token • Same token that responded to Operator during Game Launching will be passed in. • Refer **Appendix: Place Bet Session Token Validation for detail**.
Transactions	Array	Yes	• List of all bet placement transactions. • Below are attributes of each transaction item.
PlayerId	String (30)	Yes	• Player's ID. This ID is the same ID that operator sent to IM during player registration.
ProviderPlayerId	String(50)	Yes	• Provider's Player ID
Provider	String(50)	Yes	• Provider Code of the company which provides the game.
GameId	String(30)	Yes	• IM Game Id of the game player places bet.
GameName	String(200)	Optional	• IM Game Name of the game player places bet.
RoundId	String(50)	Yes	• Round Id of the bet. • Applicable to **IM Live Dealer** and **IM Slot** only.
GameNo	String(50)	Yes	• Game No of the bet. • Applicable to **IM Lottery** ONLY.
BetId	String(50)	Optional	• Bet Id of the bet. • Applicable to **IM Live Dealer** and **IM Lottery** only. • This is an optional field as some game provider may only provide this during settlement.
TransactionId	String(50)	Yes	• IM Transaction Id of the bet.
Type	String(50)	Yes	• Type of the bet.

			Options (**IM Live Dealer**): Bet, Tips, ProviderTourFee (eBet ONLY) Options (**IM Lottery, IM Slot**): Bet
Currency	String(3)	Yes	• Currency of the bet.
Amount	Float up to 4 decimals	Yes	• Bet amount of the bet. • Amount should always >= 0. • The amount should be **debited** from the balance.
BetOn	String(50)	Yes	• Bet Category of the bet. • Applicable to **IM Lottery** only. • May be given in Chinese.
BetType	String(50)	Yes	• Bet Type of the bet. • Applicable to **IM Lottery** only. • May be given in Chinese.
Platform	String(20)	Yes	• Platform of the bet. • Options: Desktop, Mobile, NA
Tray	String(20)	Yes	• Tray of the bet. • Applicable to **IM Lottery** only.
Timestamp	Datetime	Yes	• Timestamp where the transaction received by IM from provider. • Timestamp in UTC + 8 • Timestamp format is yyyy-MM-dd HH:mm:ss +08:00
BetDate	Datetime	Yes	• The bet date of the bet (given by Provider) • Applicable to **IM Lottery** only.

Response Code:

Respond Code	Respond Message	Remark
504	Player does not exist.	Return this code if player is not found at Operator side.
542	Player is inactive.	Return this code if player is set to inactive at Operator side.
510	Insufficient amount.	Return this code if player balance is insufficient to perform the transaction.
531	Invalid Token	Return this code is the sessionToken is invalid or has expired.

Sample Response (Success):

```
{
    "Results": [
```

```
        {
            "Code": 0,
            "Message":"Successful.",
            "OperatorTransactionId": "trans001",
            "TransactionId": "TLD20170606180048154L8Eg52Na",
            "Balance":990.00
        },
        {
            "Code": 0,
            "Message":"Successful.",
            "OperatorTransactionId": "trans002",
            "TransactionId": "TLD20170606180022735gX28sTWH",
            "Balance":970.00
        }
    ]
}
```

Sample Response (Failed):

```
    {

            "Code": 510,
            "Message": "Insufficient amount."
    }
```

Note:
1. Response should return Balance at up to 4 decimal points.
2. If any of the transaction item failed, the entire request is considered failed and none of the bet placement can be accepted.
3. TransactionId is unique identifier across IMOne platform. However, RoundId, GameNo and BetId may or may not be unique, subject to game provider behavior.

2.3   Settle Bet

This API is called by IM to perform settlement of each bet.

Sample URL: POST http://<domain>/SettleBet

Sample Input (Live Dealer)

```
    {
        "ProductWallet": "IMLiveDealer",
        "Transactions": [
            {
                "PlayerId":"TF88_890309",
```

```
        "Provider": " ASIAGAMING_LD ",
        "GameId": "imgame13042",
        "GameName": "VIP Baccarats",
        "RoundId": "91c780e9-9e4a-e711-80be-0050568c10c1"
        "BetId": "9afa16ad-c1df-47ae-93f0-b5b942a5200d",
        "TransactionId": "TLD20170606175836116oJacw9hS ",
        "RefTransactionId": ["TLD20170606180048154L8Eg52Na",
                             "TOQ20170606180048154L8Eaa3321"],
        "Type": "Settle",
        "BetType": "Banker",
        "Currency": "CNY",
        "Amount": 20,
        "Timestamp": "2016-10-10 02:29:33 +08:00"
    },
    {
        "PlayerId":"TF88_890309",
        "Provider": " ASIAGAMING_LD ",
        "GameId": "imgame13042",
        "GameName": "VIP Baccarats",
        "RoundId": "91c780e9-9e4a-e711-80be-0050568c10c1",
        "BetId": "9afa16ad-c1df-47ae-93f0-b5b942a5aaaa",
        "TransactionId": "TLD20170606175745328um8icmGl",
        "RefTransactionId": ["TLD20170606180022735gX28sTWH"],
        "Type": "Settle",
        "BetType": "Banker",
        "Currency": "CNY",
        "Amount ": 0,
        "Timestamp": "2016-10-10 02:29:33 +08:00"
    }
    ]
}
```

Sample Input (Live Dealer - Tournament)

```
{
    "ProductWallet":"IMLiveDealer",
    "Transactions":[
    {
        "PlayerId":"player123",
        "Provider":"EBET_LD",
        "GameId":"imtour01",
        "GameName":"Super Tournament 88",
        "RoundId":"AAA12-20191003172825",
        "BetId":"abcdedgh_ AAA12_9",
        "TransactionId":"TLD20200115175620566KQzsssxxx",
```

```
                "RefTransactionId":[ ],
                "Type":"ProviderTourRefund",
                "Currency":"CNY",
                "Amount":8.11,
                "TimeStamp":"2020-01-15 17:56:20 +08:00"
            }
        ]
    }
```

Sample Input (Slot)

```
{
    "ProductWallet": "IMSlot",
    "Transactions": [
        {
                "PlayerId":"TF88_890309",
                "Provider": "Z88_SLOT",
                "GameId": "imgame13043",
                "GameName": "Jungle Adventuge",
                "RoundId": "91c780e9-9e4a-e711-80be-0050568c10c1",
                "TransactionId": "TLD20170606175745328um8icmGl",
                "RefTransactionId": ["TLD20170606180022735gX28sTWH"],
                "Type": "Settle",
                "Currency": "CNY",
                "Amount ": 0,
                "Timestamp": "2016-10-10 02:29:33 +08:00"
        }
    ]
}
```

Sample Input (Lottery) - Settlement

```
{
    "ProductWallet": "IMLottery",
    "SessionToken":"asdfgqwer0987",
    "Transactions": [
    {
        "PlayerId":"TF88_890309",
        "Provider": "SHICAI_LOTTERY",
        "GameId": "imlottery12345",
        "GameName": "CQSSC",
        "GameNo": "12345",
        "BetId": "lotterybet123",
        "TransactionId": "trans12346",
        "RefTransactionId": "trans12345",
        "Type": "Settle",
```

```
        "Currency": "CNY",
        "Amount": 100.0000,
        "Details": "Result: 26941",
        "SettlementDate": "2019-10-10 01:29:30 +08:00"
        "Timestamp": "2019-10-10 01:29:33 +08:00"
    }]
}
```

Sample Input (Lottery)

```
{
    "ProductWallet": "IMLottery",
    "SessionToken":"asdfgqwer0987",
    "Transactions": [
    {
        "PlayerId":"TF88_890309",
        "Provider": "SHICAI_LOTTERY",
        "GameId": "imlottery12345",
        "GameName": "CQSSC",
        "GameNo": "12345",
        "BetId": "lotterybet123",
        "TransactionId": "trans12346",
        "RefTransactionId": "trans12345",
        "Type": "Commission",
        "Currency": "CNY",
            "Amount": 100.0000,
            "Details": "",
            "SettlementDate": ""
            "Timestamp": "2019-10-10 01:29:33 +08:00"
    }]
}
```

Property Name	Data Type	Mandatory	Description
ProductWallet	String(20)	Yes	• Product wallet of the bet. • Options: IMLiveDealer, IMSlot, IMLottery
Transactions	Array	Yes	• List of all bet placement transactions. • Below are attributes of each transaction item.
PlayerId	String (30)	Yes	• Player's ID. This ID is the same ID that operator sent to IM during player registration.
Provider	String(50)	Yes	• Provider Code of the company which provides the game.
GameId	String(30)	Yes	• IM GameId of the game player places bet.

GameName	String(200)	Optional	• IM Game Name of the game player places bet.
RoundId	String(50)	Yes	• Round Id of the bet. • Applicable to **IM Slot** and **IM Live Dealer** only.
GameNo	String(50)	Yes	• Game No of the bet. • Applicable to **IM Lottery** only.
BetId	String(50)	Yes	• Bet Id of the bet. • Applicable to **IM Live Dealer** and **IM Lottery** only.
TransactionId	String(50)	Yes	• IM Transaction Id of the bet.
RefTransactionId	Array	Yes	• Reference IM Transaction Id to be settled. • If Type == Bonus or ProviderBonus, empty array will be sent. • One request may settle multiple Place Bet Transactions. • For LiveDealer: Different request may possess same RefTransactionId. This indicates that the Bet has been split into multiple settlements.
Type	String(50)	Yes	• Transaction Type • Options (IM Live Dealer, IM Slot): Settle, Bonus, ProviderBonus, ProviderTourRefund (eBet ONLY) • Options (IM Lottery): Settle, Commission
BetType	String(200)	Yes	• Bet Type of the transaction. • Applicable to **IM Live Dealer (Non Tournament)** only.
Currency	String(3)	Yes	• Currency of the bet.
Amount	Float up to 4 Decimals	Yes	• Settlement amount of the bet. • Amount should always >= 0. • The amount should be **credited** to the balance.
Detail	String(4000)	Yes	• Bet detail of the bet including result etc. • Applicable to **IM Lottery** only.
Timestamp	Datetime	Yes	• Timestamp where the transaction received by IM from provider. • Timestamp in UTC + 8 • Timestamp format is yyyy-MM-dd HH:mm:ss +08:00

Response Code:

Respond Code	Respond Message	Remark

504	Player does not exist.	Return this code if player is not found at Operator side.
545	TransactionId is not found at Operator side.	Return this code if RefTransactionId is not found at the Operator side.

Sample Response:

```
{
    "Results": [
        {
            "Code": 0,
            "Message":"Successful",
            "OperatorTransactionId": "trans003",
            "TransactionId": "TLD20170606175836116oJacw9hS",
            "Balance":990.00
        },
        {
            "Code": 999,
            "Message":"System has failed to process your request.",
            "TransactionId": "TLD20170606175745328um8icmGl"
        }
    ]
}
```

Note:
1. Response should return Balance up to 4 decimal points.
2. If any of the transaction items failed, only the one particular transaction is failed. The rest of the transactions should still be processed.
3. TransactionId and RefTransactionId is unique identifier across IMOne platform. However, RoundId, GameNo and BetId may or may not be unique, subject to game provider behavior.

2.4   Refund/Cancel

This API is called by IM to perform refund, in the event of:
- i)   Bet placement failed.
- ii)   Cancel settlement.
- iii)   Cancel bet placement.
- iv)   Cancel game round

Sample URL: POST http://<domain>/Refund

Sample Input (Live Dealer/Slot/Lottery)

```
{
    "Transactions": [
        {
            "TransactionId": "TLD20170606174802948mcQlR2h9 ",
            "RefTransactionId": "TLD20170606180048154L8Eg52Na",
            "TransactionType": "CancelWager",
            "Provider": "SunWin",
            "Timestamp": "2016-10-10 02:29:33 +08:00"
        },
        {
            "TransactionId": "TLD20170606174619800SS4MXNx7 ",
            "RefTransactionId": "TLD20170606180022735gX28sTWH",
            "TransactionType": "CancelWager",
            "Provider": "SunWin",
            "Timestamp": "2016-10-10 02:29:33 +08:00"
        }
    ]
}
```

Property Name	Data Type	Mandatory	Description
Transactions	Array	Yes	• List of all bet placement transactions. • Below are attributes of each transaction item.
TransactionId	String(50)	Yes	• IM Transaction Id of the bet.
RefTransactionId	String(50)	Yes	• Reference IM Transaction Id to be refunded/cancelled. • For SLOT product, the RefTransactionId is game Round ID

TransactionType	String(50)	Yes	• There are 4 transaction types:
			  i) Cancel – Cancel whole round (IM Slot ONLY)
			  ii) CancelWager – Cancel bet placement /wager (IM Live Dealer and IM Lottery ONLY)
			  iii) CancelSettlement – Cancel settlement (IM Live Dealer and IM Lottery ONLY)
			  iv) CancelTips – Cancel Tips (IM Live Dealer ONLY)
			  v) CancelProviderTourFee – Cancel Provider Tour Fee (IM Live Dealer - eBet ONLY)
			  vi) CancelProviderBonus – Cancel Provider Bonus (IM Live Dealer ONLY)
			  vii) CancelCommission (IM Lottery ONLY)

Provider	String(50)	Yes	• Provider Code of the company which provides the game.
Timestamp	Datetime	Yes	• Timestamp where the transaction received by IM from provider. • Timestamp in UTC + 8 • Timestamp format is yyyy-MM-dd HH:mm:ss +08:00

Response Code:

Respond Code	Respond Message	Remark
504	Player does not exist.	Return this code if player is not found at Operator side.
545	TransactionId is not found at Operator side.	Return this code if RefTransactionId is not found at the Operator side.

Sample Response:
```
{
    "Results": [
      {
            "Code": 0,
            "Message":"Successful",
            "OperatorTransactionId": "trans007",
            "TransactionId": "TLD20170606174802948mcQlR2h9",
            "Balance":1020.00
      },
      {
            "Code": 999,
            "Message":"System has failed to process your request.",
            "TransactionId": "TLD20170606180022735gX28sTWH"
      }
    ]
}
```

Note:
1. Response should return Balance up to 4 decimal points.
2. If any of the transaction items failed, only the one particular transaction is failed. The rest of the transactions should still be processed
3. Please note that Refund/Cancel transactions may cause player balance to become NEGATIVE.
4. If the TransactionType is "Cancel", the "RefTransactionId" will be RoundId.

2.5 Free Round Place Bet

1) This API is called by IM when player place bet for given Free Round Bonus by NetEnt. This request os to pass the bet details of each Free Round Bonus to operator for record purposes.
2) This API is applicable to **NetEnt** only.

Sample URL: POST http://<domain>/FreeRoundPlaceBet

Sample Input (IM Slot – Netent)
```
{
    "ProductWallet":"IMSlot",
    "SessionToken":"asdfgqwer0987",
    "Transactions":[
        {
            "PlayerId":"zc_slot_001",
            "ProviderPlayerId":"zc_slot_001",
            "Provider":"NETENT_SLOT",
            "IMBonusId":"2019091601350540786",
            "BonusName":"bonus_test_20190916",
            "ProviderBonusId": "282",
            "GameId":"imgame23002",
            "GameName":"Gonzos Quest",
            "ProviderRoundId":"4123",
            "ProviderTransactionId":"13352",
            "Currency":"CNY",
            "BetAmount":200,
            "RemainingRounds":10,
            "Timestamp":"2019-09-20 02:29:33 +08:00"
        }
    ]
}
```

Property Name	Data Type	Mandatory	Description
ProductWallet	String(20)	Yes	• Product wallet of the bet. • Options: IMSlot
SessionToken	String(32)	Yes	• Session Token. • Same token that responded to operator during game launching will be passed in.
Transactions	Array	Yes	• List of all bet placement transactions. • Below are the attributes of each transaction item.
PlayerId	String(30)	Yes	• IM Player ID.

ProviderPlayerId	String(30)	Yes	• Provider's Player ID.
Provider	String(50	Yes	• Provider Code of the company which provides the game.
IMBonusId	String(20)	Yes	• IM Bonus ID.
BonusName	String(200)	Yes	• IM Bonus Name.
ProviderBonusId	String(50)	Yes	• Provider's Bonus ID.
GameId	String(30)	Yes	• IM Game ID of the game player place bet.
GameName	String(200)	Optional	• IM Game Name of the player place bet.
ProviderRoundId	String(50)	Yes	• Provider's Round ID of the bet.
ProviderTransactionId	String(50)	Yes	• Provider's Transaction ID of the bet
Currency	String(3)	Yes	• Currency of the bet.
BetAmount	Float 2 decimals	Yes	• Bet amount of the bet. • Amount should greater than 0. • This is Free Round Bonus. Hence bet amount will NOT debited from the balance.
RemainingRounds	Integer	Yes	• The number of the remaining round of the given Free Round Bonus.
Timestamp	Datetime	Yes	• Timestamp where the transaction received by IM from provider. • Timestamp in UTC + 8 • Timestamp format is yyyy-MM-dd HH:mm:ss +08:00

Sample Respond (Success)

```
{
    "Results":[
        {
            "Code":0,
            "Message":"Successful"
        }
    ]
}
```

Note:

1) If there is no respond from operator for the API request after 3 seconds, re-try the request **again (30 Attempts)**.

2.6 Free Round Win Result

1) This API is called by IM after player has completed EACH given free round bonus by Netent. This request is to pass the bet win details of each Free Round Bonus to operator for record purposes.

2) This API is applicable to **NetEnt** only.

Sample URL: POST http://<domain>/FreeRoundWinResult

Sample Input (IM Slot – Netent)

```
{
    "ProductWallet":"IMSlot",
    "SessionToken":"asdfgqwer0987",
    "Transactions":[
        {
            "PlayerId":"zc_slot_001",
            "ProviderPlayerId":"zc_slot_001",
            "Provider":"NETENT_SLOT",
            "IMBonusId":"2019091601350540786",
            "BonusName":"bonus_test_20190916",
            "ProviderBonusId": "282",
            "GameId":"imgame23002",
            "GameName":"Gonzos Quest",
            "ProviderRoundId":"4123",
            "ProviderTransactionId":"13352",
            "Currency":"CNY",
            "WinAmount":50,
            "RemainingRounds":10,
            "Timestamp":"2019-09-20 02:29:33 +08:00"
        }
    ]
}
```

Property Name	Data Type	Mandatory	Description
ProductWallet	String(20)	Yes	• Product wallet of the bet. • Options: IMSlot
SessionToken	String(32)	Yes	• Session Token. • Same token that responded to operator during game launching will be passed in.
Transactions	Array	Yes	• List of all bet placement transactions. • Below are the attributes of each transaction item.
PlayerId	String(30)	Yes	• IM Player ID.

ProviderPlayerId	String(30)	Yes	• Provider's Player ID.
Provider	String(50	Yes	• Provider Code of the company which provides the game.
IMBonusId	String(20)	Yes	• IM Bonus ID.
BonusName	String(200)	Yes	• IM Bonus Name.
ProviderBonusId	String(50)	Yes	• Provider's Bonus ID.
GameId	String(30)	Yes	• IM Game ID of the game player place bet.
GameName	String(200)	Optional	• IM Game Name of the player place bet.
ProviderRoundId	String(50)	Yes	• Provider's Round ID of the bet.
ProviderTransactionId	String(50)	Yes	• Provider's Transaction ID of the bet
Currency	String(3)	Yes	• Currency of the bet.
WinAmount	Float 2 decimals	Yes	• Win amount of the bet. • Amount should >= 0. • Once the total given Free Round Bonus has been completed, then system will perform settlement. Hence no action is required for this.
RemainingRounds	Integer	Yes	• The number of the remaining round of the given Free Round Bonus.
Timestamp	Datetime	Yes	• Timestamp where the transaction received by IM from provider. • Timestamp in UTC + 8 • Timestamp format is yyyy-MM-dd HH:mm:ss +08:00

Sample Respond (Success)
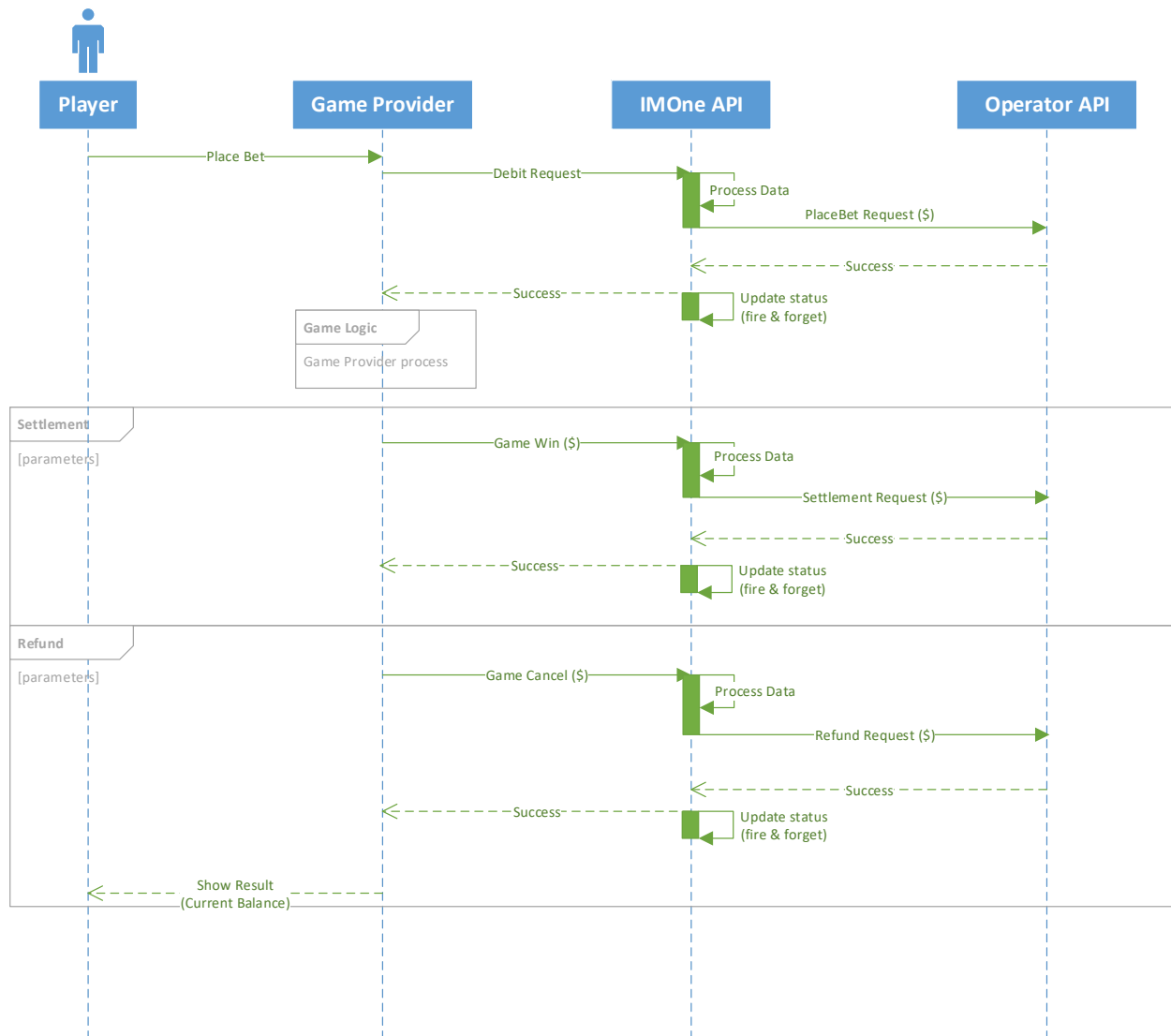
```
{
    "Results":[
        {
            "Code":0,
            "Message":"Successful"
        }
    ]
}
```

Note:
1) If there is no respond from operator for the API request after 3 seconds, re-try the request again **(30 Attempts).**

Appendix

IMOne Operator Wallet – General Bet Placement and Settlement/Refund Flow

Place Bet – Session Token Validation

In Place Bet API, sessionToken is one of the input parameters. Refer the following guideline to validate sessionToken received from Place Bet:

1. For all Operators (integrates Operator Wallet model) that call the following launch game APIs (Refer IMOne – API Specification document):
   a. 4.1 IMOne Game API (All Products)
   b. 4.3 IMOne Mobile Game API (All Products)

   the API response will contain the additional attributes (i.e sessionToken, TTL) for session token validation. See the example below:

   Sample Response (IsDownload = 0):
   ```
   {
       "Code": 0,
       "Message": "Successful.",
       "GameUrl": "xxxxxxxxxxxxxxxxxxxxxx",
       "SessionToken": "asdfqwer0987",
       "TTL": 180
   }
   ```

Attribute Name	Description
SessionToken	• Session Token for bet placement validation • ONLY applicable to Operator Wallet model • String (32)
TTL	• Time-to-leave. The hop limit of a session to become expired/invalid. The unit is in second. Eg, 180 means the session will be expired after 180 seconds if the TTL is not extended/renewed. • ONLY applicable to Operator Wallet model • Different game may have different TTL (as they come from different providers). • Number

2. Operator is expected to store/keep the sessionToken and maintain the TTL on per PlayerId per GameId basis (each player will have one unique sessionToken for each game).
3. IMOne will send the the same token for any upcoming place bet request for the player in the game.
4. Operator is expected to **extend/renew** the TTL (based on the TTL value given from game launching) as soon as the place bet request received.
5. Operator is expected to reject the place bet request (return Error 531) if:
   a. The sessionToken doesn't match the sessionToken received during game launching.
   b. The sessionToken has expired (Eg, no bet placement received at all after TTL has passed

and don't get renewed).

6. Every new game launching, a new token will be sent, regardless of existing sessionToken is still valid or not. Operator is expected to always replace the old token with the new one. There will only be ONE valid token at any one time for one player in one game. Another way to say one player will have different token for different game.