

New Billing Project

ICP Enquiry API Specifications for MyAccount

Revision History

Revision	Date	Description	Author
Draft	Apr 15, 2025	List of ICP APIs for MyAccount	Claudia Fung
1.0	May 8, 2025	New ICP API for plan basic information New ICP API for Kiosk o/s by subscriber New ICP API for Kiosk o/s by customer New ICP API for account balance Modify ICP API for custProfile by adding more fields Modify ICP API for billCodeList by returning billStatus New ICP API for get Add-on FUP Vas bill code	Claudia Fung
1.1	May 15, 2025	Modify plan basic information to add event class name for basic and intra	Claudia Fung
1.2	May 30, 2025	New ICP API for getting subscriber airpooling or not	Claudia Fung

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Objectives

This document is to provide the list of ICP API Enquiry to my Account for the new billing project

ICP Enquiry API Specifications

1. Customer Profile for MyAccount

Purpose

To get customer profile for my Account

Interface Details

Production Endpoints: TBC

System	Endpoint (UAT)
UAT	https://crm-uat.smartone.com/api/myAccount
TYK	https://tykapi-u.hksmartone.com/icp/myAccount

API: /custProfile

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWl4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGlzMjZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custNum	String	Customer Number	01234567	Mandatory
acctNum	String	Account Number		Mandatory
subrNum	String	Subscriber Number		Mandatory
getIDBR	String	Return ownerIDBR and usrIDBR if getIDBR = Y	Y – return IDBR N or null – not return IDBR	
mask	String	Return masked or encrypted sensitive data	Y – masked N or null - encrypted	

Sample Request

```
{
  "custNum": "51234567",
  "accountNum": "51234567.00001",
  "subrNum": "91234567",
  "getIDBR": "Y",
  "mask": "Y"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success -1 – Failure	
resultMsg	String	Return Error Code		
lineCategory	String	Line category	M / I / H / F /	
isWflBundle	String	Is WFL Bundle	Y / N	
isWflFbbOnly	String	Is WFL FBB Only	Y / N	
ownerLang	String	Bill email language	C / E /	
billEmail	String	Bill Email (owner level)		Returned mask or encrypted value
contactLang	String	Contact email language	C / E /	
contactEmail	String	Contact email (user level)		Returned mask or encrypted value
custType	String	Customer Type	PERS / BUSI ...	
custIdType	String	Owner IDBR Type substr(indicators,1,1)	I - HKID P – Passport & etc	
ownerIDBR	String	Owner IDBR (owner level)		Returned mask or encrypted value
ownerBirth	String	Owner date of Birth (owner level)	Format: YYYY-MM-DD	Returned mask or encrypted value
ownerLName	String	Customer last name (owner level)		Returned mask or encrypted value
ownerFName	String	Customer first name (owner level)		Returned mask or encrypted value
ownerCustTitle	String	Customer title (owner level)		Returned mask or encrypted value
ownerGender	String	Owner's gender		
usrIdType	String	User IDBR Type	I – HKID P – Passport & etc	
usrHKID	String	User HKID (user level)		Returned mask or encrypted value
usrBirth	String	User date of Birth (user level)	Format: YYYY-MM-DD	Returned mask or encrypted value
usrLName	String	Customer last name (user level)		Returned mask or encrypted value
usrFName	String	Customer last name (user level)		Returned mask or encrypted value
usrFCustTitle	String	Customer title (user level)		Returned mask or encrypted value
usrGender	String	User's gender		
usrContactNum	String	Daytime Contact number (user level)		
usrContactNum2	String	Evening contact number (user level)		
sebSubrNum	String	Subscriber number belong to SEB		
userName	String	Username		
tagOnService	String	Tag On Service		
parentSubrNum	String	Parent subscriber number		
isParent	String	Is parent subscriber	Y / N / NULL	

divertCode	String	Divert Code	EWA	
receiveSmcCommFlag	String	Receive SMC communication substr(indicators, 2,1)	Y or N	
listenFlag	String	IVRS broadcast used minute substr(indicators, 3,1)	Y or N	
billEmailRejectFlag	String	Billing email reject substr(indicators,5,1)	Y or N	
reqSmcPinFlag	String	Request SMC Pin substr(indicators,6,1)	Y or N	
regAddr1	String	Registered address line 1 (user level)		Returned mask or encrypted value
regAddr2	String	Registered address line 2 (user level)		Returned mask or encrypted value
regDistrict	String	Registered address district (user level)		
regArea	String	Registered address area (user level)		
billAddr1	String	Billing address line 1 (owner level)		Returned mask or encrypted value
billAddr2	String	Billing address line 2 (owner level)		Returned mask or encrypted value
billDistrict	String	Billing address district (owner level)		
billArea	String	Billing address area (owner level)		

Success response

```
{
  "resultCode": "0",
  "resultMsg": "SUCCESS",
  "custNum": "51234567",
  "subrNum": "91234567",
  "acctNum": "51234567.00001",
  "lineCategory": "M",
  "isWflBundle": "N",
  "isWflFbbOnly": "N",
  "ownerLang": "E",
  "billEmail": "abc@gmail.com", // masked or encrypted
  "contactLang": "E",
  "contactEmail": "abc@gmail.com", // masked or encrypted
  "custType": "PERS",
  "custIdType": "I",
  "ownerIDBR": "E101101(5)", // masked or encrypted
  "ownerBirth": "1999-01-15", // masked or encrypted
  "ownerLName": "Chan", // masked or encrypted
  "ownerLName": "Chan", // masked or encrypted
  "ownerFName": "David", // masked or encrypted
  "ownerCustTitle": "Mr",
  "ownerGender": "M",
  "usrIdType": "I",
  "usrIDBR": "P101101(3)", // masked or encrypted
  "usrBirth": "1999-01-15", // masked or encrypted
  "usrLName": "Chan", // masked or encrypted
  "usrFName": "David", // masked or encrypted
  "usrCustTitle": "Mr",
  "usrGender": "M",
  "userContactNum": "90121212",
  "userContactNum2": "31280101",
  "sebSubrNum": "91234567",
  "userName": "",
  "tagOnService": "",
  "parentSubrNum": "",
  "isParent": "",
  "divertCode": "EWA",
  "receiveSmcCommFlag": "Y",
  "listenFlag": "N",
  "billEmailRejectFlag": "Y",
  "reqSmcPinFlag": "N",
  "regAddr1": "31/F Millenium City Phase 2",
  "regAddr2": "378 Kwun Tong Road",
  "regDistrict": "Kwun Tong",
  "regArea": "Kln",
  "billAddr1": "27/F Millenium City Phase 2",
  "billAddr2": "378 Kwun Tong Road",
  "billDistrict": "Kwun Tong",
  "billArea": "Kln"
}
```


Fail response

```
{
  "resultCode": "-1",
  "resultMsg": "Missing input customer, account or subscriber number for enquiry"
}

{
  "resultCode": "-2",
  "resultMsg": "No such record of customer, account and subscriber number in ICP system"
}
```

2. Tag On Details for MyAccount

Purpose

To get tag-on details for my Account

Interface Details

Production Endpoints: TBC

System	Endpoint (UAT)
UAT	https://crm-uat.smartone.com/api/myAccount
TYK	https://tykapi-u.hksmartone.com/icp/myAccount

API: /tagOnInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmcIOiI2NGY2Y2I1ZmFiYzRhYWl4MGNIWDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFIM2ZiMWUyNGJlMDAyN2FkliwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custNum	String	Customer Number	01234567	Mandatory
tagOnService	String	Tag On code for search	FBB_HOMETEL	Optional

Sample Request

<pre>{ "custNum": "01234567", "tagOnService": "FBB_HOMETEL" }</pre>

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success -1 – Failure	
resultMsg	String	Return Error Code		
tagOnList	Json Array	Tag-on service list		
tagOnList -> tagOnCode	String	Tag-on service	ADDON_VOICE	
tagOnList -> parentSubrNum	String	Parent subscriber number		sw_om_gnv_tag_on_map.mobile_msisdn
tagOnList -> parentAcctNum	String	Parent account number		
tagOnList -> childList	Json Array	List of child number under this tagon Service		
tagOnList -> childList -> childSubrNum	String	Child subscriber number		sw_om_gnv_tag_on_map.tablet_msisdn
tagOnList -> childList -> childAcctNum	String	Child account number		

Success response

```
{
  "resultCode": "0",
  "resultMsg": "SUCCESS",
  "tagOnList": [{
    "tagOnCode": "FBB_HOMETEL",
    "parentSubrNum": "91234567",
    "parentAcctNum": "51234567.00001",
    "childList": [{
      "childSubrNum": "61234567",
      "childAcctNum": "51234567.00002",
    }, {
      "childSubrNum": "61234568",
      "childAcctNum": "51234567.00003"
    }]
  }]
}
```

Fail response

```
{
  "resultCode": "-1",
  "resultMsg": "Missing input customer number"
}
{
  "resultCode": "-2",
  "resultMsg": "No such record in ICP system"
}
```

3. Customer Communication Channel Info

Purpose

Get customer communication channel Information for MyAccount

Interface Details

Production Endpoints: TBC

System	Endpoint (UAT)
UAT	https://crm-uat.smartone.com/api/myAccount
TYK	https://tykapi-u.hksmartone.com/icp/myAccount

API: /commChannel

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWl4MGNIWDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity	username	Required field
custNum	String	Customer Number	00823135	Optional
subNum	String	Subscriber Number	90802070	Optional
accountNum	String	Account Number	00823135.000000001	Optional
channelCode	String	Specific communication channel code for query	<u>Values</u> SPEC-E NEWS-E FUN-E (See appendix Communication Channel Mapping)	Optional Return specific communication channel information. Return all information when empty string

Sample Request

Get all Communication Channel info under customer, account and subscriber number

```
{
  "requesterID" : "mAccount",
  "custNum" : "023415412",
  "subrNum" : "92020303",
  "accountNum" : "023415412.0000001",
  "channelCode" : ""
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result Code	0 – Success -ve value – Fail	
resultMsg	String	Return result message		
commChannelId	String	Communication Channel Id	1-OPIUSHJAFD	
commChannel	JSONArray of JSONObject	Communication Channel Information array		
commChannel -> channelCode	String	Communication Channel Code	SPEC-E	
commChannel -> channelDesc	String	Communication Channel Description	Special Offers (Email)	
commChannel -> optInFlag	String	Communication Channel Optin Flag	Y – Optin N - Optout	

Success response

Success Result with returning all related communication channel record. (as an example, there are 5 communication channel record)

```
{
  "resultCode": 0,
  "resultMsg": "SUCCESS",
  "commChannelId": "1-SZDFIKJH",
  "commChannel": [
    {
      "channelCode": "SPEC-E",
      "channelDesc": "Special Offers (Email)",
      "optInFlag": "Y"
    },
    {
      "channelCode": "NEWS-E",
      "channelDesc": "News & Finance & Investment (Email)",
      "optInFlag": "Y"
    },
    {
      "channelCode": "FUN-E",
      "channelDesc": "Fun Stuff (Email)",
      "optInFlag": "N"
    },
    {
      "channelCode": "COMM-E",
      "channelDesc": "Communication and Internet (Email)",
      "optInFlag": "Y"
    },
    {
      "channelCode": "RET-E",
      "channelDesc": "Retention Offer (Email)",
      "optInFlag": "Y"
    }
  ]
}
```

Fail response

Missing input parameters

```
{
  "resultCode": "-1",
  "resultMsg": "Missing input customer, account and subscriber number"
}
```

Subscriber cannot be found

```
{
  "resultCode": "-2",
  "resultMsg": "Subscriber cannot be found "
}
```

4. Bill Code List

Purpose

To get bill code list from the subscriber

Interface Details

Production Endpoints: TBC

System	Endpoint (UAT)
UAT	https://crm-uat.smartone.com/api/myAccount
TYK	https://tykapi-u.hksmartone.com/icp/myAccount

API: /billCodeList

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWl4MGNIWDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custNum	String	Customer number		Mandatory
accountNum	String	Account number		
subNum	String	Subscriber number		
parallelRun	String	parallelRun indicator to determine the state of the workflow	<u>Postpaid parallel run - Value of 1st character</u> 0 – existing system 1 – new billing 2 – parallel run in GNV & new billing in OM <u>Prepaid parallel run – Value of 2nd character</u> 0 – existing system 1 – new billing	Mandatory

Sample Request

```
Enquiry by customer number, account number, subscriber number for active bill code and bill information
{
  "custNum": "00008843",
  "accountNum": "00008843.00028",
  "subrNum": "91234567",
  "parallelRun": "00"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Response result	See below table	
errorCode	String	Error code return from Covalense billing api		
errorDesc	String	Error description return from Covalense billing api		
billCdList	JSON Array	Array for all bill code of the subscriber in OK or PE status		
billCdList -> billCode	String	Bill code		
billCdList -> billStatus	String	Bill code status	OK – active status PE – pending status	

Result Code

Result Code	Severity	Description
0	N/A	Success
-1	N/A	Missing input parameter

Success response

Enquiry by account number for all bill code of the subscriber in OK or PE status

```
{
  "resultCode": "0",
  "errorDesc": "",
  "errorCode": "",
  "billCdList": [{
    "billCode": "HBD99",
  }, {
    "billCode": "3GMC",
  }]
}
```

Fail response

```
{
  "resultCode": "-9000",
  "errorDesc": "Internal Error",
  "errorCode": "10010"
}
```

5. Plan Details

Purpose

To provide plan basic (inter) minutes and intra minutes for the rate plan

Production Endpoints: TBC

System	Endpoint (UAT)
UAT	https://crm-uat.smartone.com/api/myAccount
TYK	https://tykapi-u.hksmartone.com/icp/myAccount

API: /planInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmcjOil2NGY2Y2l1ZmFiYzRhYWl4MGNIWDE1NTUilLCjZl6lJFiyZl4OGlZyZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
planName	String	Rate plan name/code	3GAAZ	
parallelRun	String	parallelRun indicator to determine the state of the workflow	<u>Postpaid parallel run - Value of 1st character</u> 0 – existing system 1 – new billing 2 – parallel run in GNV & new billing in OM <u>Prepaid parallel run – Value of 2nd character</u> 0 – existing system 1 – new billing	Mandatory

Sample Request

Get the plan details for the given plan name (or code)

```
{
  "planName": "3GAAZ",
  "parallelRun": "11"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Response result	See below table	
resultMsg	String	Response message		
inter	String	Basic minutes of this plan		
intra	String	Intra minutes of this plan		
interClassName	String	Event class name for basic charges Refer event_class_name in GNV		
intraClassName	String	Event class name for intra charges Refer event_class_name in GNV		

Result Code

Result Code	Severity	Description
0	N/A	Success
-1	N/A	Missing input parameters
-2	N/A	No such plan name (or code)

Success response

```
{
  "resultCode": "0",
  "inter": "700.00",
  "intra": "400.00",
  "interClassName": "Voice MO Basic",
  "intraClassName": "Voice MO Intra"
}
```

Fail response

```
{
  "resultCode": "-1",
  "resultMsg": "Missing input parameter"
}
{
  "resultCode": "-2",
  "resultMsg": "No such plan name (or code)"
}
```

6. Kiosk Outstanding BalanceBy Subscriber

Purpose

To get the kiosk o/s balance by subscriber (refer to smc_outstanding_bal_pkg.GetBalByCustSubr)

Interface Details

Production Endpoints: TBC

System	Endpoint (UAT)
UAT	https://crm-uat.smartone.com/api/brm/v1/myAccount
TYK	https://tykapi-u.hksmartone.com/icp/NBill/brm/v1/myAccount

API: /kioskBalanceBySubr

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWYi4MGNIzDE1NTUjLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFIM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custNum	String	Customer number		
subrNum	String	Subscriber number		
accountNum	String	Account number		
parallelRun	String	parallelRun indicator to determine the state of the workflow	<u>Postpaid parallel run - Value of 1st character</u> 0 – existing system 1 – new billing 2 – parallel run in GNV & new billing in OM <u>Prepaid parallel run – Value of 2nd character</u> 0 – existing system 1 – new billing	Mandatory

Request Combination

Below parameter combination is accepted for this call; otherwise, the error code is returned

custNum	acctNum	subrNum	Response
Y	Y	Null	Get account balance by account number
Y	Null	Y	Get account balance by customer, subscriber number

Sample Request

```

Enquiry by customer, subscriber number
{
    "custNum": "00008843",
    "subNum": "90123456",
    "parallelRun": "00"
}

Enquiry by customer, account number
{
    "custNum": "00008843",
    "accountNum": "00008843.00028",
    "parallelRun": "00"
}

```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Response result	See below table	
errorCode	String	Error code return from Covalense billing api		
errorDesc	String	Error description return from Covalense billing api		
kioskSubrBalance	Decimal	Sum of kiosk o/s balance for this subscriber		N.A. for prepaid

Result Code

Result Code	Severity	Description
0	N/A	Success
-1	N/A	Missing input parameter

Success response

```

{
    "resultCode": "0",
    "errorDesc": "",
    "errorCode": "",
    "kioskSubrBalance": 460.04
}

```

Fail response

```

{
    "resultCode": "-9000",
    "errorDesc": "Internal Error",
    "errorCode": "10001"
}

```

7. Kiosk Outstanding BalanceBy Customer

Purpose

To get the kiosk o/s balance by account (refer to smc_outstanding_bal_pkg.GetBalByCustSubr)

Interface Details

Production Endpoints: TBC

System	Endpoint (UAT)
UAT	https://crm-uat.smartone.com/api/brm/v1/myAccount
TYK	https://tykapi-u.hksmartone.com/icp/NBill/brm/v1/myAccount

API: /kioskBalanceByCust

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWY1MGNIWDE1NTU1LCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFIM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custNum	String	Customer number		Mandatory
parallelRun	String	parallelRun indicator to determine the state of the workflow	<u>Postpaid parallel run - Value of 1st character</u> 0 – existing system 1 – new billing 2 – parallel run in GNV & new billing in OM <u>Prepaid parallel run – Value of 2nd character</u> 0 – existing system 1 – new billing	Mandatory

Sample Request

```
Enquiry by customer number
{
    "custNum": "00008843",
    "parallelRun": "00"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Response result	See below table	
errorCode	String	Error code return from Covalense billing api		
errorDesc	String	Error description return from Covalense billing api		
kioskCustBalance	Decimal	Sum of kiosk o/s balance for this customer account		N.A. for prepaid

Result Code

Result Code	Severity	Description
0	N/A	Success
-1	N/A	Missing input parameter

Success response

```
{
    "resultCode": "0",
    "errorDesc": "",
    "errorCode": "",
    "kioskSubrBalance": 460.04
}
```

Fail response

```
{
    "resultCode": "-9000",
    "errorDesc": "Internal Error",
    "errorCode": "10001"
}
```

8. Account Balance

Purpose

To get the outstanding balance and deposit amount for the customer accounts from the billing system

Note: This API is replaced for FES package - lib_customer.get_cust_osbalance, get_cust_deposit, get_last_inv_date, get_next_inv_date

Production Endpoints: TBC

System	Endpoint (UAT)
UAT	https://crm-uat.smartone.com/api/brm/v1/myAccount
TYK	https://tykapi-u.hksmartone.com/icp/NBill/brm/v1/myAccount

API: /accountBalance

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWl4MGNIWDE1NTUiLCJpZCI6IjFiYzI4OGlzMjZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custNum	String	Customer number		Optional
subNum	String	Subscriber number		Optional
accountNum	String	Account number		Optional
parallelRun	String	parallelRun indicator to determine the state of the workflow	<u>Postpaid parallel run – Value of 1st character</u> 0 – existing system 1 – new billing 2 – parallel run in GNV & new billing in OM <u>Prepaid parallel run – Value of 2nd character</u> 0 – existing system 1 – new billing	Mandatory

Request Combination

Below parameter combination is accepted for this call; otherwise, the error code is returned

custNum	acctNum	subrNum	Response
Y	Y / Null	Y / Null	Get account balance by customer number
Null	Null	Y	Get account balance by active subscriber number
Null	Y	Null	Get account balance by account number

Sample Request

```

Enquiry by customer number
{
    "custNum": "00008843",
    "parallelRun": "00"
}

Enquiry by active subscriber number
{
    "subrNum": "90123456",
    "parallelRun": "00"
}

Enquiry by account number
{
    "accountNum": "00008843.00028",
    "parallelRun": "00"
}

```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Response result	See below table	
errorCode	String	Error code return from Covalense billing api		
errorDesc	String	Error description return from Covalense billing api		
paymentDate	String	Payment Date		
lastBillDate	String	Last Bill Date		
nextBillDate	String	Next Bill Date		Optional for prepaid
osBalance	Decimal	Outstanding balance		
depositAmount	Decimal	Total deposit for this customer		
acctBalanceIncAdj	Decimal	Sum of all account balance of this customer Total balance = billed + previous bill unpaid amount (not include unbilled amount) including adjustment		
kioskCustBalance	Decimal	Sum of kiosk o/s balance for all accounts of this customer		Optional for prepaid

Result Code

Result Code	Severity	Description
0	N/A	Success
-1	N/A	Missing input parameter

Success response

```
{
  "resultCode": "0",
  "errorDesc": "",
  "errorCode": "",
  "paymentDate": "2024-10-22",
  "lastBillDate": "2024-10-22",
  "nextBillDate": "2024-11-22",
  "osBalance": 460.04,
  "depositAmount": 500.04,
  "acctBalanceIncAdj": 480.04,
  "kioskCustBalance": 460.04
}
```

Fail response

```
{
  "resultCode": "-9000",
  "errorDesc": "Internal Error",
  "errorCode": "10001"
}
```

9. Get FUP Vas Indicator

Purpose

To check the subscriber having FUP Vas Code in the billing system for postpaid service
[Ref: GNV_DATA_ALERT_PKG.GetFUPVasIndicator]

Interface Details

Production Endpoints: TBC

System	Endpoint (UAT)
UAT	https://crm-uat.smartone.com/api/brm/v1/myAccount
TYK	https://tykapi-u.hksmartone.com/icp/NBill/brm/v1/myAccount

API: /getFupVasIndicator

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmcioiI2NGY2Y2I1ZmFiYzRhYWl4MGNIWDE1NTUuLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkliwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custNum	String	Customer number		Mandatory
accountNum	String	Account number		Mandatory
subNum	String	Subscriber number		Mandatory
parallelRun	String	parallelRun indicator to determine the state of the workflow	<u>Postpaid parallel run – Value of 1st character</u> 0 – existing system 1 – new billing 2 – parallel run in GNV & new billing in OM <u>Prepaid parallel run – Value of 2nd character</u> 0 – existing system 1 – new billing	Mandatory

Sample Request

```
{
  "custNum": "00008843",
  "accountNum": "00008843.00028",
  "subrNum": "91234567",
  "parallelRun": "00"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Response result	See below table	
errorCode	String	Error code return from Covalense billing api		
errorDesc	String	Error description return from Covalense billing api		
FupVasInd	String	The subscriber has add-on FUP Vas bill code	Y – has Fup bill code	

Result Code

Result Code	Severity	Description
0	N/A	Success
-1	N/A	Missing input parameter

Success response

```
{
  "resultCode": "0",
  "errorDesc": "",
  "errorCode": "",
  "FupVasInd": "Y"
}
```

Fail response

```
{
  "resultCode": "-1",
  "errorCode": "-1",
  "errorDesc": "Missing input parameter"
}
```

10. Get Air-Pooling Indicator

Purpose

To check the subscriber having air-pooling or not in the billing system for postpaid service.

[Ref: FES.UnbilledUsageCalculator]

Interface Details

Production Endpoints: <https://tykapi-u.hksmartone.com/icp/NBill/brm/v1/myAccount/getAirPoolIndicator>

System	Endpoint (UAT)
UAT	https://crm-uat.smartone.com/api/brm/v1/myAccount
TYK	https://tykapi-u.hksmartone.com/icp/NBill/brm/v1/myAccount

API: /getAirpoolIndicator

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWY1MGNlZDE1NTUjLCJpZC6lYjYyZl4OGlZyZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custNum	String	Customer number		Mandatory
accountNum	String	Account number		Mandatory
subrNum	String	Subscriber number		Mandatory
parallelRun	String	parallelRun indicator to determine the state of the workflow	<u>Postpaid parallel run – Value of 1st character</u> 0 – existing system 1 – new billing 2 – parallel run in GNV & new billing in OM <u>Prepaid parallel run – Value of 2nd character</u> 0 – existing system 1 – new billing	Mandatory

Sample Request

```
{
  "custNum": "00008843",
  "accountNum": "00008843.00028",
  "subrNum": "91234567",
  "parallelRun": "00"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Response result	See below table	
errorCode	String	Error code return from Covalense billing api		
errorDesc	String	Error description return from Covalense billing api		
airpoolInd	String	The subscriber has air pooling or not	Y – airpooling N – non-airpooling	

Result Code

Result Code	Severity	Description
0	N/A	Success
-1	N/A	Missing input parameter
-2	N/A	This API is not support for Prepaid service

Success response

```
{
  "resultCode": "0",
  "errorDesc": "",
  "errorCode": "",
  "airpoolInd": "Y"
}
```

Fail response

```
{
  "resultCode": "-1",
  "errorCode": "-1",
  "errorDesc": "Missing input parameter"
}
```