New Billing Project

ICP (CRM) Enquiry Interface API Specifications (Internal)

Revision History

Revision	Date	Description	Author
1.0	May 22, 2025	List of ICP Enquiry reference to SMC CRM Enquiry API -Get Login Information - loginInfo (no change) -Get LoginNow Details - getLoginnowDtl (minor change) -Get Subscribers Full List by CustID (minor change) -Get customer identifier - getCustId (minor change) -Get list of customer (major change) -Get list of active subscriber (minor change) -Get customer number (minor changes) Get customer profile - getCustProfile (rewrite program) -Get plan information – planInfo (rewrite program) -Get subscriber information (minor change) -Get subscriber basic information (minor change) -Get account basic information (minor change) -Get account information (minor change) -Get DM consent informatoin (no change) -Get Company DM consent (no change) - Get Online Information (no change)	Claudia Fung
		Get MGM information (terminated) Check EPC subscriber (obsolete – TBC by Kerry) Get EPC subscriber profile for billing system – TBC by Kerry Get customer 360 information (internal) Get Voucher List (EPC) Get Customer Profile (EPC) Get Subscriber Details in FES (EPC) Get Subscriber by Others (EPC) Get Subscriber by Contact No (EPC) Derive Subscriber Role (EPC) Get EPC Subscriber Profile for Billing System (EPC)	

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Objectives

This document is to provide the list of enquiry functions reference to the existing EPC – SMC CRM Enquir specifications that can support new billing system

ICP Enquiry API Specifications

1. TYK API

TYK API Mapping

Internal UAT	https://tykapi-u.hksmartone.com/icp	Auth_ID: eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=
Internal Staging	https://tykapi-s.hksmartone.com/icpstg	Auth_ID: eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjRiNWQzNWZiZGZjZDQxZTliMjUzODI4YmM3MTJlYzM5IiwiaCI6Im11cm11cjY0In0=
Internal Production	https://tykapi.hksmartone.com/icp	Auth_ID: eyJvcmciOiI2NTcxMzJkNTc2NzRjZjY2YmE3MTc2NDIiLCJpZCI6IjE2NGFjZTYxMDJkZTQ2M2ZiZGJhZmM5NTczMjI5ZTk3IiwiaCI6Im11cm11cjY0In0=
Internal DR	https://tykapi-dr.hksmartone.com/icp	Auth_ID: eyJvcmciOiI2NTQ4NTZlZGY3M2JhMDdiNzZiYTEyNDkiLCJpZCI6IjI1NDY4OGQzMTNjNjQ3ZjNiNTZkNGRjMGIyZGQxOThkliwiaCI6Im11cm11cjY0In0=

2. Get LoginNow Information

Purpose

To get LoginNow Profile by providing loginNow ID
Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/loginInfo

Interface Details

Production Endpoints: TBC

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

API: /loginInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
username	String	Username of loginNow	91234567	
loginid	String	ID of loginNow	12345	

Request Combination

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

username	loginId	Response
null	Y	Get login Information by loginId

Sample Request

```
Get login Information by loginId
{
        "requesterId": "ManChan",
         loginid: "12345"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	Refer below table	
resultMsg	String	Return Error Code		
loginid	String	LoginNow ID		
lgnUsernameUpper	String	Uppercase of LoginNow username (decrypted)		
usernameType	String	LoginNow Type	BMAdmin / ECOMM / OTT / POSTPAID / PREPAID	
usernameSalt	String	Username Salt	e.g N4k9fNcp22s	
acSetupFlag	String	Account setup flag	e.g. Y	
eNewsFlag	String	eNews Flag	Y – optIn N – optOut	
eNews1stDate	String	1st date for eNews date	YYYY-MM-DD	
contactNo	String	Contact Number for ECOMM		
commEmail	String	Comm Email for ECOMM		
commLang	String	Comm. Language, for ECOMM		

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input login ID
-99	System error

Success response

```
{
        "resultCode": 0,
        "resultMsg": "SUCCESS",
        "usernameUpper":  "APPLECHAN@YAHOO.COM",
        "usernameType": "ECOMM",
        "usernameSalt": "N4k9fNcp22s",
        "acSetupFlag": "",
        "eNewsFlag": "Y",  -- Y : opt-in  N : opt-out
        "eNews1stDate": "2016-04-01",
        "contactNo": "98670455",
        "commEmail": "applechan@yahoo.com",
        "commLang ": "C"
}
```

Fail response

```
{
        "resultCode": "-1",
        "resultMsg": "Missing input login ID"
}
```

3. Get LoginNow Detail Information

Purpose

To get LoginNow details based on the input of customer number
Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/getloginnowDtl

Interface Details

Production Endpoints: https://tykapi.hksmartone.com/icp/custProf

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

API: /getloginnowDtl

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterID	String	API Requester Identity	e.g MYACCOUNT ESTORE	Required field
custNum	String	Customer Number	05124833	Required Field

Sample Request

```
{
        "requestID": "MyAccount",
        "custNum": "05124833"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result Code	Refer to below table	
resultMsg	String	Return result message		
custNum	String	Customer Number		
loginNowList	JSONArray of JSONObject	Array of subscriber found		
loginNowList -> loginNowID	String	LoginNow ID		
loginNowList -> subrNum	String	Subscriber Number		
loginNowList -> loginNowRole	String	LoginNow Role	Owner Authorized User User	
loginNowList -> HKID	String	HKID of this LoginNowID	Owner – custHKID Auth. User – subrHKID User - blank	

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input customer number
-2	LoginNow ID is not found under this Customer Number
-99	System error

Success Response

```
{
        "resultCode": 0,
        "resultMsg": "SUCCESS",
        "custNum" : "10324535",
        "loginNowList": [
                {
                        "loginNowID": "2233",
                        "subrNum": "91050387",
                        "loginNowRole": "Owner",
                        "HKID": "K123456(1)"
                },
                {
                        "loginNowID": "2234",
                        "subrNum": "93813122",
                        "loginNowRole": "User",
                        "HKID": ""
                }
        ]
}
```

Fail Response

```
{
        "resultCode" : -2,
        "resultMsg" : " LoginNowID is not found under this customer number",
        "custNum" : "05124833",
        "loginNowList" : []
}
```

4. Get Subscriber Full List by CustId

Purpose

To get the list of accounts and subscribers from ICP system for New Billing
Note: FES are migrated to ICP for those active subscribers since 2022 May

Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/getSubrFullList

Interface Details

Production Endpoints: https://tykapi.hksmartone.com/icp/custProf/loginInfo

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

API: /getSubrFullList

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
custId	String	Unique Customer ID	A12345	
idbr	String	IDBR	E101101(A)	encrypted

Sample Request

```
Query by customer identity
{
        "requesterId": "ManChan",
        "custId": "A12345",
        "idbr": "E101101(5)"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success 100 – Fail	
resultMsg	String	Return Error Code		
subrList	Json Object Array	Subscriber Number List		
subrList -> custNum	String	Customer Number		
subrList -> acctNum	String	Account Number		
subrList -> subrNum	String	Subscriber Number		
subrList -> subrStatus	String	Subscriber Status		
subrList -> onDate	String	Switch -On Date		
subrList -> offDate	String	Switch-Off Date		
subrList -> discReason	String	Disconnect Reason		
subrList -> lineCat	String	Line Category		
subrList -> disabled	String	Set display row in gray	Y N	

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input customer number
-2	LoginNow ID is not found under this Customer Number
-99	System error

Success response

```
{
        "resultCode": "0",
        "resultMsg": "SUCCESS",
        "subrList": [{
                "custNum": "85012345",
                "acctNum": "85012345.00001",
                "subrNum": "91234567",
                "subrStatus": "Active",
                "onDate": "2023-07-01",
                "offDate": "",
                "discReason": "",
                "lineCat": "M",
                "disabled": "N"
                },
                {
                "custNum": "85012345",
                "acctNum": "85012345.00001",
                "subrNum": "91234568",
                "subrStatus": "Close",
                "onDate": "2020-01-01",
                "offDate": "2021-08-01",
                "discReason": "CVC",
                "lineCat": "M",
                "disabled": "Y"
                }]
}
```

Fail response

```
Invalid input parameter
{
        "resultCode": "-1",
        "resultMsg": "Invalid input custId"
}
```

5. Get Customer Identifier

Purpose

To get customer identifier referenced the root of hierarchy of the customer in ICP system for new billing project

Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/getCustId

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf/getCustId

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

API: /getCustId

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
custId	String	Customer Idenitifier		Optional field
idbr	String	HKID or BR number	B111111(1)	Optional field Encrypted
custNum	String	Customer Number	85012345	
subrNum	String	Subscriber Number	91234567	
encrypted	String	Option to encrypt the response parameter	N	

Request Combination

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

custId	Idbr	custNum	subrNum	Response
Y	Null	Null	Null	Get cust Id & idbr by cust Id
Null	Y	Null	Null	Get cust Id & idbr by idbr
Null	Null	Y	Y	Get cust Id & idbr by customer number and subscriber number for existing postpaid or prepaid customer

Sample Request

```
Enquire by idbr for option not to encrypt idbr field
{
        "requesterId": "ManChan",
        "idbr": "B111111(1)",
        "encrypted": "N",
}
Enquire by idbr
{
        "requesterId": "ManChan",
        "idbr": "XXXXXXXXX" – encrypted idbr
}
Enquire by custNum, subrNum
{
        "requesterId": "ManChan",
        "custNum": "85012345",
        "subrNum": "91234567"
}
Enquire by custId
{
        "requesterId": "ManChan",
        "custId": "AX-123WB"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success -1 – Fail	
resultMsg	String	Return Error Code		
custId	String	Customer identity		
idbr	String	IDBR		encrypted value
subrServiceType	String	Service Type of subscriber	P – Prepaid M – Mobile I – 1638 IDD B – MBB F – HPP (Prepaid) X – HPP (Postpaid) R – RBB L – HomeTel H – FibreBB (HKBN) G – FibreBB (HGC) C – FibreBB (iCable)	This field has value for request parameter by custNum, subrNum

Result Code

Result Code	Meaning
0	SUCCESS
-1	No such customer in ICP system
-2	Invalid input combination
-99	System error

Success Response

```
{
        "resultCode": 0,
        "resultMsg": "SUCCESS",
        "custId": "10-216V4",
        "idbr": "XXXXXX"  (encrypted)
}
```

Fail Response

```
No such customer identity
{
        "resultCode": "-1",
        "resultMsg": "No such customer in CRM system"
}


Invalid input combination
{
        "resultCode": "-2",
        "resultMsg": "Invalid input combination"
}
```

6. Get Customer Profile

Purpose

To get customer name, email address and identity number for owner and user level for postpaid and prepaid services for new billing
Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/getCustProfile

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf/getCustId

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

API: /getCustProfile

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCl6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custNum	String	Customer Number	85012345	
subrNum	String	Subscriber Number	91234567	

Sample Request

```
{
        "custNum": "85012345",
        "subrNum": "91234567"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	Refer below table	
resultMsg	String	Return Error Code		
lastName	String	Owner Last Name		Encrypted
firstName	String	Owner First Name		Encrypted
idbr	String	Owner's identity number		Encrypted
idType	String	Owner's ID Type		
billEmail	String	Billing email address		Encrypted
billLang	String	Owner's preferred Language	C or E	
usrLastName	String	User's Last Name		Encrypted
usrFirstName	String	User's First Name		Encrypted
usrIdbr	String	User's identity number		Encrypted
usrIdType	String	User's ID Type		
contactEmail	String	contact email address		Encrypted
contactLang	String	User's preferred language		
serviceType	String	Service type of subscriber	POSTPAID PREPAID	

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input parameters
-2	No such subscriber in ICP system

Success Response

```
{
        "resultCode": 0,
        "resultMsg": "SUCCESS",
        "lastName": "XXXXXXX",  // encrypted
        "firstName": "XXXXXXX", // encrypted
        "idbr": "XXXXXXX", // encrypted
        "idType": "I",
        "billEmail": "XXXXXXX", // encrypted
        "billLang": "C",
        "usrLastName": "XXXXXXX",  // encrypted
        "usrFirstName": "XXXXXXX", // encrypted
        "usrIdbr": "XXXXXXX", // encrypted
        "usrIdType": "I",
        "contactEmail": "XXXXXXX", // encrypted
        "contactLang": "E",
        "serviceType": "POSTPAID"
}
```

Fail Response

```
Invalid input parameter combination used in the request
{
        "resultCode": "-1",
        "resultMsg": "Missing input parameters"
}
```

7. Get List Customer

Purpose

To get the list of customer for different service in SMC such as online, postpaid & prepaid customer Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/custAcctList

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf

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

API: /custAcctList

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjJiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
loginUserId	Number	Login User ID	1800	Mandatory Reference to USER_INFO.userId
showRecentCase	Number	Option to show reminder, recent case, and recent request in 360 UI	Y – show N – not shown	
idbr	String	HKID / BR *	A123456(7)	Search Customer Profile using ID/BR (Optional) Encrypted
subrNum	String	Subscriber Number	91234567	Search Customer Profile using subscriber number (Optional)
custNum	String	Customer Number	01234567	Search Customer Profile using customer number (Optional)
email	String	Customer Email Address *	tester@smartone.com	Search Customer Profile using email address (Optional) Encrypted
custId	String	Unique Customer ID	A12345	Get Customer Contact Info (optional) -1 when using other input parameter

* encrypted by sensitive data jar

Request Combination

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

idbr	subrNum	custNum	email	custId	Response
Y	Null	Null	Null	Null	Get customer account lists by idbr
Null	Y	Null	Null	Null	Get customer account lists by subrNum
Null	Null	Y	Null	Null	Get customer account lists by custNum
Null	Null	Null	Y	Null	Get customer account lists by email
Null	Null	Null	Null	Y	Get customer account lists by custId

Sample Request

```
Query by idbr
{
        "requesterId": "ManChan",
        "loginUserId":  1800,
        "showRecentCase":  "Y",
         idbr: "xxxxxxxxxxxxxxxxxx"  -- Encrypted E101101(9)
}


Query by subrNum
{
        "requesterId": "ManChan",
        "showRecentCase":  "N",
        "loginUserId":  1800,
         subrNum: "91234567"
}


Query by custNum
{
        "requesterId": "ManChan",
        "loginUserId":  1800,
        "showRecentCase":  "Y",
         custNum: "01234567"
}
Query by email address
{
        "requesterId": "ManChan",
        "loginUserId":  1800,
        "showRecentCase":  "Y",
         email : "xxxxxxxxxxxxxxxxxx"  – Encrypted abc@gmail.com
}


Query by customer identity
{
        "requesterId": "ManChan",
        "loginUserId":  1800,
        "showRecentCase":  "Y",
         custId: "A12345"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	Refer below tables	
resultMsg	String	Return Error Code		
customerList	Json Object Array	Customer Profile List		
customerList-> custId	String	Unique Customer ID		
customerList-> idTypeCode	String	Type of Identity		
customerList-> idbr	String	Identity Card Number*		
customerList-> prepaidIdbr	String	Identity Card Number* for Prepaid only		
customerList-> firstName	String	Customer First Name*		
customerList-> lastName	String	Customer Last Name*		
customerList-> custTitle	String	Customer Title		
customerList-> birth	String	Date of Birth for the customer*		
customerList-> custNum	String	Customer number		Mandatory for search by subscriber
customerList-> subrNum	String	Subscriber number		Mandatory for search by subscriber
customerList-> subrStatus	String	Subscriber status (not subrStatus code)	Active Closed	Mandatory for search by subscriber
identity	String	Customer Identity	Owner User Online	
idbrBilling	String	IDBR in Billing for the input search IDBR having prepaid only	00000000	
customerList-> emailList	JsonObject Array	Email List of Customer		
customerList-> emailList->email	String	Email*		
customerList-> emailList- >emailType	String	Type of email		BILLING CONTACT ONLINE-STORE
totalSubr	String	Total number of subscriber lines under this CustId		Applicable for CRM 360 UI only
enqDisplay	String	Allow to continue display all subscribers or not	N – Not allow display Y – Allow display	Applicable for CRM 360 UI only
showRecentCase	Number	Option to show reminder, recent case, and recent request in 360 UI	Y – show N – not shown	
custIdbr	String	Owner IDBR		

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input parameters
-2	No such subscriber in ICP system

Success response

```
Search by subscriber number
{
        "resultCode": "0",
        "resultMsg": "SUCCESS",
        "customerList": [{
                "custId": "1234",
                "idTypeCode": "I",
                "idbr": "xxxxxxxxxxxxxxxxx", -- Encrypted E101101(9)
                "firstName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Tai Man
                "lastName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Chan
                "custTitle": "Mr",
                "birth": "xxxxxxxxxxxxxxxx",
                "identity": "Owner",
                "totalSubr": "5",
                "enqDisplay": "Y",
                "showRecentCase": "Y",
                "custIdbr": "E101101(9)",
                "emailList": [{
                        "email": "xxxxxxxxxxxxxxxxx", -- Encrypted abc@gmail.com
                        "emailType": "BILLING"
                },
                {
                        "email": "xxxxxxxxxxxxxxxxx" -- Encrypted cde@gmail.com
                        "emailType": "CONTACT"
                }],
                "custNum": "85123456",
                "subrNum": "901234567",
                "subrStatus": "Active"
        },
        {
                "custId": "1234",  -- e.g.  the same customer makes change owner to different account
                "idTypeCode": "I",
                "idbr": "xxxxxxxxxxxxxxxx", -- Encrypted E101101(9)
                "firstName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Tai Man
                "lastName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Chan
                "custTitle": "Mr",
                "birth": "xxxxxxxxxxxxxxxx",
                "identity": "Owner",
                "totalSubr": "5",
                "enqDisplay": "Y",
                "showRecentCase": "Y",
                "custIdbr": "E101101(9)",
                "emailList": [{
                        "email": "xxxxxxxxxxxxxxxxx", -- Encrypted abc@gmail.com
                        "emailType": "BILLING"
                },
                {
```

```
                    "email": "xxxxxxxxxxxxxxxx" -- Encrypted cde@gmail.com
                    "emailType": "CONTACT"
            }],
            "custNum": "85123458",
            "subrNum": "901234567",
            "subrStatus": "Closed"
      },
      {

            "custId": "4234",
            "idTypeCode": "BR",
            "idbr": "xxxxxxxxxxxxxxxx",  -- Encrypted 10110199
            "firstName": "xxxxxxxxxxxxxxxxxx", -- Encrypted
            "lastName": "xxxxxxxxxxxxxxxxxx", -- Encrypted ABC Ltd Company
            "custTitle": "Corp",
            "birth": "xxxxxxxxxxxxxxxx",
            "identity": "Owner",
            "totalSubr": "50",
            "enqDisplay": "N",
            "showRecentCase": "Y",
            "custIdbr": "10110199",
            "emailList": [{
                    "email": "xxxxxxxxxxxxxxxx", -- Encrypted abc@abc.com
                    "emailType": "BILLING"
            },
            {
                    "email": "xxxxxxxxxxxxxxxx" -- Encrypted cde@abc.com
                    "emailType": "CONTACT"
            }],
            "custNum": "85123457",
            "subrNum": "901234567",
            "subrStatus": "Closed"
      }
      }]
}

Search by idbr, customer number or email
{
      "resultCode": "0",
      "resultMsg": "SUCCESS",
      "customerList": [{
            "custId": "1234",
            "idTypeCode": "I",
            "idbr": "xxxxxxxxxxxxxxxx", -- Encrypted E101101(9)
            "firstName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Tai Man
            "lastName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Chan
            "custTitle": "Mr",
            "birth": "xxxxxxxxxxxxxxxx",
            "identity": "Owner",
            "totalSubr": "5",
            "enqDisplay": "Y",
            "showRecentCase": "Y",
            "custIdbr": "E101101(9)",
            "emailList": [{
                    "email": "xxxxxxxxxxxxxxxx",  -- Encrypted abc@gmail.com
                    "emailType": "BILLING"
            },
            {
```

```
                        "email": "xxxxxxxxxxxxxxxxx" -- Encrypted cde@gmail.com
                        "emailType": "CONTACT"
                }]
        },
        {
                "custId": "4234",
                "idTypeCode": "BR",
                "idbr": "xxxxxxxxxxxxxxxxx",  -- Encrypted 10110199
                "firstName": "xxxxxxxxxxxxxxxxxxx", -- Encrypted
                "lastName": "xxxxxxxxxxxxxxxxxx", -- Encrypted ABC Ltd Company
                "custTitle": "Corp",
                "birth": "xxxxxxxxxxxxxxxx",
                "identity": "Owner",
                "totalSubr": "50",
                "enqDisplay": "N",
                "showRecentCase": "Y",
                "custIdbr": "10110199",
                "emailList": [{
                        "email": "xxxxxxxxxxxxxxxxx", -- Encrypted abc@abc.com
                        "emailType": "BILLING"
                },
                {
                        "email": "xxxxxxxxxxxxxxxxx" -- Encrypted cde@abc.com
                        "emailType": "CONTACT"
                }]
        }]
}

Customer Account Not Found
{
        "resultCode": "-1",
        "resultMsg": "Customer account not found "
}
```

Fail response

```
Invalid input parameter combination used in the request
{
        "resultCode": "-3",
        "resultMsg": "Invalid input parameter combination used"
}
```

8. Get List of Active Subscriber

Purpose

Base on the input data to extract all active POSTPAID subscriber under the IDBR, excluding MVNO and BRIDIES for New Billing System
Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/actSubrList

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf

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

API: /actSubrList

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjZiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Mandatory
idbr	String	HKID / BR *		Mandatory Encrypted

Sample Request

```
Enquiry by customer Number and subscriber Number
{
        "requesterId": "ManChan",
        "idbr": "xxxxxxxxxxxxxxxxxx"  -- Encrypted E101101(9)
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	Refer below table	
resultMsg	String	Return Error Code		
custId	String	Customer ID		
totalSubr	Number	Number of active subscribers		
subrList	Json object array	Active subscribers under the same idbr		
subrList -> custNum	String	Customer number		
subrList -> subrNum	String	Subscriber number		
subrList -> acctNum	String	Account number		
subrList -> subrStatus	String	Subscriber status	OK PE	
subrList -> crtByEpc	String	Create the subscriber by EPC or not	Y / N	

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input parameters
-2	No such subscriber in ICP system

Success response

```
{
        "resultCode": 0,
        "resultMsg": "SUCCESS",
        "custId": "A-CDF1",
        "totalSubr": "2",
        "subrList": [
            {
            "custNum": "0000234",
            "subrNum": "91234567",
            "acctNum": "0000234.00001",
            "subrStatus": "OK",
            "crtByEpc": "N"
            },
            {
            "custNum": "0000234",
            "subrNum": "90987654",
            "acctNum": "0000234.00002",
            "subrStatus": "OK",
            "crtByEpc": "N"
            }
        ]
}
```

Fail response

```
Invalid input parameter combination used in the request
{
        "resultCode": "-1",
        "resultMsg": "Invalid input parameter combination used"
}
No active subscribers
{
        "resultCode": "-2",
        "resultMsg": " No active subscribers"
}
```

9. Customer Information

Purpose

To get customer information and related accounts and postpaid / prepaid subscribers for SMC customer under the same IDBR for New Billing. Online account is not support for this API.

Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/custInfo

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf

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

API: /custInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
custId	Strings	Unique Customer ID	0-ABC	Get Customer Info using cust id (Optional)
idbr	String	HKID / BR *	A123456(7)	Get Customer Info using ID/BR (Optional) Encrypted
Incl_CustEmail	String	Option to get all emails under this customer	Y – to return such info	
Incl_Contact	String	Option to get contact information	Y – to return such info	
Incl_Profile	String	Option to get owner / user profile	Y – to return such info	
Incl_SubrAttr	String	Option to return 1-20 attributes	Y – to return such info	
Incl_SubrOther	String	Option not to return subscriber's imei, sim, plan info, crm label, priority plus etc	Y – to return such info	

* encrypted by sensitive data jar

Request Combination

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

custid	idbr	Response
Y	Null	Get customer information by custId
Null	Y	Get customer information by idbr

Sample Request

```
Get customer by customer identity
{
        "requesterId": "ManChan",
         custId: "0-ABC"
}
Get customer by idbr
{
        "requesterId": "ManChan",
         idbr: "xxxxxxxxxxxxxxxxxxx" – Encrypted E101101(9)
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	Refer below table	
resultMsg	String	Return Error Code		
custId	String	Unique Customer ID		
contactId	String	Unique Contact ID of customer		
parentCustId	String	Unique Customer ID of parent customer		
custStatus	String	Customer Status		
type	String	Identify whether this is dummy Customer	ONLINE-STORE POSTPAID PROSPECT DUMMY	
idTypeCode	String	Type of Identity Card	I - HKID P - Passport Holder B - BR N - No BR G - Government S - SMC	
idbr	String	Identity Number		Encrypted
staffCompany	String	Staff's company		New fields for marketing offer in future
staffId	String	Staff ID		New fields for marketing offer in future
tenure	String	Customer's tenure		
stCusSince	String	First day to join SMC		YYYY-MM-DD
createdDate	String	Date of customer created		
lastUpdatedDate	String	Date of customer last update		
createdBy	String	Staff Id of customer created by		
lastUpdatedBy	String	Staff Id of customer last update by		
emailList	Json Object array	Email list of customer		
emailList->email	String	Email*		Encrypted
emailList->emailType	String	Type of email	BILLING CONTACT ONLINE-STORE	
contact	Json object	Contact record of customer		Customer profile of this cust Id
accountList	Json object array	Account list of customer		
accountList -> owner profile	Json object array	Account list of owner profile		
accountList -> billing address	Json object array	Account list of billing address		

accountList -> subscriberList	Json object array	Subscriber list of account		
subscriberList -> userProfile	Json object array	Subscriber list of user profile		
subscriberList -> registerAddress	Json object array	Subscriber list of register address		
subscriberList -> commAddress	Json object array	Subscriber list of communication address		
subscriberList -> subscriberAttributes	Json object array	Subscriber list of subscriber attributes		

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input parameters
-2	No such subscriber in ICP system

Success response

```
{
        "resultCode": "0",
        "resultMsg": "SUCCESS",
        "custId": "0-ABC" ,
        "contactId": "1-ABC" ,
        "primaryAddrId": "" ,
        "loginnowId": "",
        "commChannelId": "" ,
        "parentCustId": "" ,
        "custStatus": "ACTIVE" ,
        "type": "POSTPAID" ,
        "idTypeCode": "I" ,
        "idbr": " xxxxxxxxxxxxxxxxx" ,  -- Encrypted A123456(0)
        "seriesOfSymbol": "**AZ",
        "staffCompany": "SMC" ,
        "staffId": "99999" ,
        "createdDate": "2020-09-01 09:01:00" ,
        "lastUpdatedDate": "2020-09-02 09:02:00" ,
        "createdBy": "PeterChan" ,
        "lastUpdatedBy": "PeterChan" ,
        "tenure": "10" ,  -- customer's tenure in terms of years
        "stCusSince": "2022-01-01" , -- when the customer join SMC

        // Incl_CustEmail = Y to get such data
        "emailList": [{  -- Get distinct list of e-bill or contact email address
                "email": "xxxxxxxxxxxxxxxxx", -- Encrypted abc@gmail.com
                "emailType": "BILLING"
        },{
                "email": "xxxxxxxxxxxxxxxxx" – Encrypted cde@gmail.com
                "emailType": "BILLING"
        }],

        //Incl_Contact = Y to get such data; If not, contact Json Object is empty
        "contact": {     -- Get customer profile (or personal profile)
                "contactId": "1-ABC",
```

```
                "custTitle": "Mr",
                "lastName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Chan
                "firstName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Tai Man
                "fullName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Chan Tai Man
                "lastNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 陳
                "firstNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 大文
                "fullNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 陳大文
                "lastNameChiCode": "xxxxxxxxxxxxxxxxxx", -- "1234"
                "firstNameChiCode": "xxxxxxxxxxxxxxxxxx", -- "5678 9874"
                "gender": "xxxxxxxxxxxxxxxxxx", -- "M"
                "birth": "xxxxxxxxxxxxxxx", -- Encrypted 1999-12-20
                "IdTypeCode": "I",
                "idbr": "xxxxxxxxxxxxxxxxxx", -- Encrypted A123456(7)
                "seriesOfSymbol": "**AZ",
                "contactNum": "xxxxxxxxxxxxxxxxxx", -- Encrypted 91234567
                "contactNum2": "xxxxxxxxxxxxxxxxxx", -- Encrypted 21234567
                "contactPerson": "xxxxxxxxxxxxxxxxxx", -- "David Chan"
                "faxNum": "xxxxxxxxxxxxx", -- "21234567"
                "attention": "xxxxxxxxxxxx", -- "Chan Tai Man"
                "commLangCode": "C",
                "nationality": "Chinese",
                "companyName": "xxxxxxxxxxxxxxxxxx",
                "position": "xxxxxxxxxxxxxxxxxx",
                "industryCode": "xxxxxxxxxxxxxxxxxx",
                "createdDate": "2020-09-01 09:01:00" ,
                "lastUpdatedDate": "2020-09-02 09:02:00" ,
                "createdBy": "PeterChan" ,
                "lastUpdatedBy": "PeterChan"
                },
        "accountList": [{
                "recId":  "4-ABC",
                "recStatus":  "ACTIVE",
                "custId": "0-ABC",
                "custNum":  "012345678",
                "accountType": "Postpaid",
                "contactId": "1-ABC",
                "addressid": "1-ABD",
                "ownerIdentity": "5-ABC",
                "custTypeCode": "PERS",
                "caCode": "",
                "billDay": "21",
                "paymentMethod": "CASH",
                "paymentMethodId": "1" ,
                "ccPrefix": "4123432" ,
                "loginnowId": 1234,
                "loginnowInd": "Y",
                "masked": "",
                "createdDate": "2020-09-01 09:01:00" ,
                "lastUpdatedDate": "2020-09-02 09:02:00" ,
                "createdBy": "PeterChan" ,
                "lastUpdatedBy": "PeterChan" ,
                "email": "xxxxxxxxxxxxxxxxxx", -- Billing email address Encrypted abc@gmail.com
                "langPreference": "C", -- Billing email address language preferences

                // Incl_Profile = Y to get such data; If not, ownerProfile Json Object is empty
                "ownerProfile": {   -- Get owner profile under this customer number
                        "contactId": "1-ABC",
```

```
                    "custTitle": "Mr",
                    "lastName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Chan
                    "firstName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Tai Man
                    "fullName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Chan Tai Man
                    "lastNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 陳
                    "firstNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 大文
                    "fullNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 陳大文
                    "lastNameChiCode": "xxxxxxxxxxxxxxxxxx", -- "1234"
                    "firstNameChiCode": "xxxxxxxxxxxxxxxxxx", -- "5678 9874"
                    "gender": "xxxxxxxxxxxxxxxxxx", -- "M"
                    "birth": "xxxxxxxxxxxxxxx", -- Encrypted 1999-12-20
                    "IdTypeCode": "I",
                    "idbr": "xxxxxxxxxxxxxxxxxx", -- Encrypted A123456(7)
                    "seriesOfSymbol": "**AZ",
                    "contactNum": "xxxxxxxxxxxxxxxxxx", -- Encrypted 91234567
                    "contactNum2": "xxxxxxxxxxxxxxxxxx", -- Encrypted 21234567
                    "contactPerson": "xxxxxxxxxxxxxxxxxx", -- "David Chan"
                    "faxNum": "xxxxxxxxxxxxx", -- "21234567"
                    "attention": "xxxxxxxxxxx", -- "Chan Tai Man"
                    "commLangCode": "C",
                    "nationality": "CHINA",
                    "companyName": "xxxxxxxxxxxxxxxxxx",
                    "position": "xxxxxxxxxxxxxxxxxx",
                    "industryCode": "xxxxxxxxxxxxxxxxxx",
                    "createdDate": "2020-09-01 09:01:00" ,
                    "lastUpdatedDate": "2020-09-02 09:02:00" ,
                    "createdBy": "PeterChan" ,
                    "lastUpdatedBy": "PeterChan"
            },

            // Incl_Address = Y to get such data; If not, billingAddress Json Object is empty
            "billngAddress": {
                    "addressID": "2-ABC",
                    "contactId": "",  --NULL for Billing Address
                    "addressType": "BILL_ADDR", -- Billing address at owner level
                    "addressNature": "Residential",
                    "flat": "xxxxxxxxxxxxxx", -- "3",
                    "flatDesc": "xxxxxxxxxxxxxx", -- "Flat",
                    "floor": "xxxxxxxxxxxxxx", -- "27",
                    "floorDesc": "xxxxxxxxxxxxxx", -- "Floor",
                    "block": "xxxxxxxxxxxxxx", -- "2",
                    "blockDesc": "xxxxxxxxxxxxxx", -- "Block",
                    "building": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                    "estate": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "streetNo": "xxxxxxxxxxxxxx", -- "378 ",
                    "street": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                    "lot": "s",
                    "district": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "area": "xxxxxxxxxxxxxx", -- "KLN",
                    "flatChi": "xxxxxxxxxxxxxx", -- "3",
                    "flatDescChi": "xxxxxxxxxxxxxx", -- "Flat",
                    "floorChi": "xxxxxxxxxxxxxx", -- "27",
                    "floorDescChi": "xxxxxxxxxxxxxx", -- "Floor",
                    "blockChi": "xxxxxxxxxxxxxx", -- "2",
                    "blockDescChi": "xxxxxxxxxxxxxx", -- "Block",
                    "buildingChi": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                    "estateChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
```

```
                "streetNoChi": "xxxxxxxxxxxxxx", -- "378 ",
                "streetChi": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                "lotChi": "",
                "districtChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                "areaChi": "xxxxxxxxxxxxxx", -- "KLN",
                "addrLine1": "xxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
                "addrLine2": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                "addrLine1Chi": "xxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
                "addrLine2Chi": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                "xCoordinate": "123",
                "yCoordinate": "789",
                "addressCode": "112233",
                "createdDate": "2020-09-01 09:01:00" ,
                "lastUpdatedDate": "2020-09-02 09:02:00" ,
                "createdBy": "PeterChan" ,
                "lastUpdatedBy": "PeterChan"
        },
        "subscriberList": [{
                "recId":  "6-ABC",
                "recStatus":  "ACTIVE",
                "custId": "7-ABC",
                "custNum":  "012345678",
                "accountNum": "012345678.0001",
                "subrNum": "91234567",
                "crtByEpc": "N",
                "lineCategory": "M",
                "portinInd": "MNP",
                "portinSource": "MNP",
                "dno": "CSL",
                "buyoutNum": "901234548",
                "subrNature": "5GBB",
                "subrRole":  "Owner's Primary Number",
                "subrOnDate": "2020-10-01 00:00:00",
                "subrActivateDate": "2020-10-01 00:00:00",
                "subrOffDate":  "",
                "subrOffReason": "",
                "subrStatus": "OK",
                "contactId": "3-ABC",
                "registerAddressId": "3-ABD",
                "commChannelId": "7-ABC",
                "userIdentity": "9-ABC",
                "prevRecId": "",
                "prevRecReason": "",
                "parentSubrId": "91234511",
                "parentType": "FAMILY",
                "mgmReferrerCode": "",
                "mgmRefereeCode":  "",
                "channel": "",
                "contactOwnerComm":  "Y",
                "guarantorContactId": "",
                "guarantorAddressId": "",
                "guarantorStartDate": "",
                "guarantorExpireDate": "",
                "loginnowId": "",
                "loginnowAuthorized": "",
                "commAddressId": "2-ABC",
                "SEB": "",
```

```
"portfolioId": "",
"retentionTenure": "",
"createdDate": "2020-09-01 09:01:00" ,
"lastUpdatedDate": "2020-09-02 09:02:00" ,
"createdBy": "PeterChan" ,
"lastUpdatedBy": "PeterChan" ,
"email": "xxxxxxxxxxxxxxxxxxx", -- Contact email address Encrypted abc@gmail.com
"langPreference": "C", -- Contact email language preferences

//Incl_SubrOther = Y to get below red data; if not, data is returned empty string
"crmLaberl": "BE5",
"loyaltyMarker": "PP",
"plan": "5GBB",
"planDesc": "SuperCare 10GB Smartphone Plan",
"planDescChi": "SuperCare 10GB Smartphone Plan",
"planAmt": 489,
"planEndDate": "2021-12-31",
"SIM": "898524456789720",
"IMEI": "898524456789720",
"IMSI": "898524456789720",
"crmLabel": "BE5",
"loyaltyMarker": "PP",
"loginNowAuthorized": "",
"loginNowID": "",
"loginNow_Ind": "",
"divertCode": "EWA",
"SEBAccount": "",

// Incl_Profile = Y to get such data; If not, userProfile Json Object is empty
"userProfile": {     -- Get user profile under this subscriber number
        "contactId": "1-ABC",
        "custTitle": "Mr",
        "lastName": "xxxxxxxxxxxxxxxxxxx", -- Encrypted Chan
        "firstName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Tai Man
        "fullName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Chan Tai Man
        "lastNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 陳
        "firstNameChi": "xxxxxxxxxxxxxxxxxxx", -- Encrypted 大文
        "fullNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 陳大文
        "lastNameChiCode": "xxxxxxxxxxxxxxxxx", -- "1234"
        "firstNameChiCode": "xxxxxxxxxxxxxxxxxx", -- "5678 9874"
        "gender": "xxxxxxxxxxxxxxxxx", -- "M"
        "birth": "xxxxxxxxxxxxxxx", -- Encrypted 1999-12-20
        "IdTypeCode": "I",
        "idbr": "xxxxxxxxxxxxxxxxxx", -- Encrypted A123456(7)
        "seriesOfSymbol": "**AZ",
        "contactNum": "xxxxxxxxxxxxxxxxxx", -- Encrypted 91234567
        "contactNum2": "xxxxxxxxxxxxxxxxxx", -- Encrypted 21234567
        "contactPerson": "xxxxxxxxxxxxxxxx", -- "David Chan"
        "faxNum": "xxxxxxxxxxxxxx", -- "21234567"
        "attention": "xxxxxxxxxxx", -- "Chan Tai Man"
        "commLangCode": "C",
        "nationality": "CHINA",
        "companyName": "xxxxxxxxxxxxxxxxx",
        "position": "xxxxxxxxxxxxxxxxx",
        "industryCode": "xxxxxxxxxxxxxxxxx",
        "createdDate": "2020-09-01 09:01:00" ,
        "lastUpdatedDate": "2020-09-02 09:02:00" ,
```

```
                                "createdBy": "PeterChan" ,
                                "lastUpdatedBy": "PeterChan"
                   },

                   // Incl_Address = Y to get such data; If not, registerAddress Json Object is empty
                   "registerAddress": {
                                "addressID": "2-ABC",
                                "contactId": "", --NULL for Contact Address
                                "addressType": "CONTACT_ADDR", -- Contact address at user level
                                "addressNature": "Residential",
                                "flat": "xxxxxxxxxxxxxx", -- "3",
                                "flatDesc": "xxxxxxxxxxxxxx", -- "Flat",
                                "floor": "xxxxxxxxxxxxxx", -- "27",
                                "floorDesc": "xxxxxxxxxxxxxx", -- "Floor",
                                "block": "xxxxxxxxxxxxxx", -- "2",
                                "blockDesc": "xxxxxxxxxxxxxx", -- "Block",
                                "building": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                                "estate": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                                "streetNo": "xxxxxxxxxxxxxx", -- "378 ",
                                "street": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                                "lot": "s",
                                "district": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                                "area": "xxxxxxxxxxxxxx", -- "KLN",
                                "flatChi": "xxxxxxxxxxxxxx", -- "3",
                                "flatDescChi": "xxxxxxxxxxxxxx", -- "Flat",
                                "floorChi": "xxxxxxxxxxxxxx", -- "27",
                                "floorDescChi": "xxxxxxxxxxxxxx", -- "Floor",
                                "blockChi": "xxxxxxxxxxxxxx", -- "2",
                                "blockDescChi": "xxxxxxxxxxxxxx", -- "Block",
                                "buildingChi": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                                "estateChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                                "streetNoChi": "xxxxxxxxxxxxxx", -- "378 ",
                                "streetChi": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                                "lotChi": "",
                                "districtChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                                "areaChi": "xxxxxxxxxxxxxx", -- "KLN",
                                "addrLine1": "xxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
                                "addrLine2": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                                "addrLine1Chi": "xxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
                                "addrLine2Chi": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                                "xCoordinate": "123",
                                "yCoordinate": "789",
                                "addressCode": "112233",
                                "createdDate": "2020-09-01 09:01:00" ,
                                "lastUpdatedDate": "2020-09-02 09:02:00" ,
                                "createdBy": "PeterChan" ,
                                "lastUpdatedBy": "PeterChan"
                   },

                   // Incl_Address = Y to get such data; If not, commAddress Json Object is empty
                   "commAddress": {
                                "addressID": "2-ABC",
                                "contactId": "8-ABC", --Not NULL for Communication address
                                "addressType": "COMM_ADDR", -- Priority Plus at user level
                                "addressNature": "Residential",
                                "flat": "xxxxxxxxxxxxxx", -- "3",
                                "flatDesc": "xxxxxxxxxxxxxx", -- "Flat",
```

```
                        "floor": "xxxxxxxxxxxxxx", -- "27",
                        "floorDesc": "xxxxxxxxxxxxxx", -- "Floor",
                        "block": "xxxxxxxxxxxxxx", -- "2",
                        "blockDesc": "xxxxxxxxxxxxxx", -- "Block",
                        "building": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                        "estate": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                        "streetNo": "xxxxxxxxxxxxxx", -- "378 ",
                        "street": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                        "lot": "s",
                        "district": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                        "area": "xxxxxxxxxxxxxx", -- "KLN",
                        "flatChi": "xxxxxxxxxxxxxx", -- "3",
                        "flatDescChi": "xxxxxxxxxxxxxx", -- "Flat",
                        "floorChi": "xxxxxxxxxxxxxx", -- "27",
                        "floorDescChi": "xxxxxxxxxxxxxx", -- "Floor",
                        "blockChi": "xxxxxxxxxxxxxx", -- "2",
                        "blockDescChi": "xxxxxxxxxxxxxx", -- "Block",
                        "buildingChi": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                        "estateChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                        "streetNoChi": "xxxxxxxxxxxxxx", -- "378 ",
                        "streetChi": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                        "lotChi": "",
                        "districtChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                        "areaChi": "xxxxxxxxxxxxxx", -- "KLN",
                        "addrLine1": "xxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
                        "addrLine2": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                        "addrLine1Chi": "xxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
                        "addrLine2Chi": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                        "xCoordinate": "123",
                        "yCoordinate": "789",
                        "addressCode": "112233",
                        "createdDate": "2020-09-01 09:01:00" ,
                        "lastUpdatedDate": "2020-09-02 09:02:00" ,
                        "createdBy": "PeterChan" ,
                        "lastUpdatedBy": "PeterChan"
                },

            // Incl_SubrAttr = Y to get such data; If not, subscriberAttributes Json Object is empty
            "subscriberAttributes": [{
                        "recId": "9-ABC",
                        "subrId": "7-ABC",
                        "attrGroup": "StaffInfo",
                        " attr01": "Chung Tai Man",
                        " attr02": "99999",
                        "createdDate": "2020-09-01 09:01:00" ,
                        "lastUpdatedDate": "2020-09-02 09:02:00" ,
                        "createdBy": "PeterChan" ,
                        "lastUpdatedBy": "PeterChan"
                },{
                        "recId": "8-ABC",
                        "subrId": "7-ABC",
                        "attrGroup": "BM",
                        " attr01": "S0001",
                        " attr02": "",
                        …
                        " attr23": "",
                        " attr24": "",
```

```
                              "createdDate": "2020-09-01 09:01:00" ,
                              "lastUpdatedDate": "2020-09-02 09:02:00" ,
                              "createdBy": "PeterChan" ,
                              "lastUpdatedBy": "PeterChan"
                    }]
          }]
     }]
}
```

Fail response

```
Customer IDBR Not Found
{
         "resultCode": -1,
         "resultMsg": "Customer IDBR is not found "
}

Non-SMC customer Not support
{
         "resultCode": -2,
         "resultMsg": "This is non-SMC customer. Search is not supported."
}
```

10.Get Account Basic Information

Purpose

To get active account's basic information and its related subscriber records for postpaid/ prepaid customer for New Billing

Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/acctBasicInfo

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf

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

API: /acctBasicInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
recId	String	Account record Id	0-BBC	Search address using address ID (Optional)
custNum	String	Customer Number	01234567	Search address using cust ID and type (Optional)
custId	String	Customer ID	0-ABC	Search account record using cust ID (Optional)
loginnowId	Integer	LoginNow ID	1234	Search account record using Loginnow ID (Optional)

Request Combination

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

recId	custNum	loginnowId	custId	Response
Y	Null	Null	Null	Get account lists by account record id
Null	Y	Null	Null	Get account lists by customer number
Null	Null	Y	Null	Get account lists by loginnow Id
Null	Null	Null	Y	Get account lists by custId

Sample Request

```
Get account lists by recId
{
        recId : "0-BBC"
}
Get account lists by custId
{
        custId : "0-ABC"
}
Get account lists by custNum
{
        custNum: "01234567"
}
Get account lists by loginnowId
{
        "requesterId": "ManChan",
         loginnowId: 1234
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	Refer below tables	
resultMsg	String	Return Error Code		
accountList	Json object array	Account list of customers		
accountList ->recId	String	Unique identifier for account record		
accountList ->recStatus	String	Status of account record		
accountList ->custId	String	Customer ID		
accountList ->custNum	String	Customer number		
accountList ->billDay	String	Account bill day		
accountList-> subscriberList	Json object array	Subscriber List of account		Refer get subscriber basic Info
subscriberList -> recId	String	Record ID of subscriber		
subscriberList -> resStatus	String	Record status of subscriber		

subrscrberList -> custNum	String	Customer number		
subscriberList -> accountNum	String	Account number		
subscriberList -> subrNum	String	Subscriber number		
subscriberList -> isEpcSubr	String	Subscriber is created by EPC phase 2	Always N or Null For EPC phase 2 terminated	
subscriberList -> lineCategory	String	Line Category		
subscriberList -> portinInd	String	Port-in Indicator		
subscriberList -> portinSource	String	Port-in Source		
subscriberList -> dno	String	DNO		
subscriberList -> buyoutNum	String	Buyout-Number		
subscriberList -> subrNature	String	Subscriber Nature		
subscriberList -> subrRole	String	Subscriber Role		
subscriberList -> subrOnDate	String	Subscriber Switch - on date		
subscriberList -> subrActivateDate	String	Subscriber Activation Date		
subscriberList -> subrOffDate	String	Subscriber switch- off date		
subscriberList -> subrOffReason	String	Subscriber switch- off reason		
subscriberList -> subrStatus	String	Subscriber status		

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input parameters
-2	No such subscriber in ICP system

Success response

```
{
        "resultCode": "0",
        "resultMsg": "SUCCESS",
        "accountList": [{
                "recId": "4-ABC",
                "recStatus": "ACTIVE",
                "custNum": "01234567",
                "billDay": "21",
                "subscriberList": [{
                        "recId": "6-ABC",
                        "recStatus": "ACTIVE",
                        "custId": "10-216V4",
                        "custNum": "01234567",
                        "accountNum": "01234567.00001",
                        "subrNum": "91234567",
                        "crtByEpc": "N",
                        "lineCategory": "M",
                        "portinInd": "",
                        "portinSource": "",
                        "dno": "",
                        "buyoutNum": "",
                        "subrNature": "",
                        "subrRole": "",
                        "subrOnDate": "2020-10-01 00:00:00",
                        "subrActivateDate": "2020-10-01 00:00:00",
                        "subrOffDate": "",
                        "subrOffReason": "",
                        "subrStatus": "OK"
                }]
        }]
}
```

Fail response

```
{
        "resultCode": "-1",
        "resultMsg": "Account record not found "
}
```

11.Get Account Information

Purpose

To get the active account information and its related subscriber records for postpaid & prepaid customer for New Billing

Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/acctInfo

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf

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

API:　　　　　　/acctInfo

Type:　　　　　　REST

Method:　　　　POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGGJlMDAyN2 FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
recId	String	Account record Id	0-BBC	Search address using address ID (Optional)
custNum	String	Customer Number	01234567	Search address using cust ID and type (Optional)
custId	String	Customer ID	0-ABC	Search account record using cust ID (Optional)
loginnowId	Integer	LoginNow ID	1234	Search account record using Loginnow ID (Optional)

Request Combination

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

recId	custNum	loginnowId	custId	Response
Y	Null	Null	Null	Get account lists by account record id
Null	Y	Null	Null	Get account lists by customer number
Null	Null	Y	Null	Get account lists by loginnow Id
Null	Null	Null	Y	Get account lists by custId

Sample Request

```
Get account lists by recId
{
        recId : "0-BBC"
}
Get account lists by custId
{
        custId : "0-ABC"
}
Get account lists by custNum
{
        custNum: "01234567"
}
Get account lists by loginnowId
{
        "requesterId": "ManChan",
         loginnowId: 1234
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	Refer below table	
resultMsg	String	Return Error Code		
Contact	Json object	Take one of owner profile from many customer numbers in accountList		See appendix
accountList	Json object array	Account list of customer		See appendix
accountList -> ownerProfile	Json object	Contact information of customer level		See appendix
accountList-> billingAddress	Json object	Address of billing account		See appendix
accountList -> subscriberList	Json object array	Subscriber List of account		Refer get subscriber basic information
subscriberList -> recId	String	Record ID of subscriber		

subscriberList -> resStatus	String	Record status of subscriber		
subrscrberList -> custNum	String	Customer number		
subscriberList -> accountNum	String	Account number		
subscriberList -> subrNum	String	Subscriber number		
subscriberList -> crtByEpc	String	Create the subscriber by EPC or not	Y / N	
subscriberList -> lineCategory	String	Line Category		
subscriberList -> portinInd	String	Port-in Indicator		
subscriberList -> portinSource	String	Port-in Source		
subscriberList -> dno	String	DNO		
subscriberList -> buyoutNum	String	Buyout-Number		
subscriberList -> subrNature	String	Subscriber Nature		
subscriberList -> subrRole	String	Subscriber Role		
subscriberList -> subrOnDate	String	Subscriber Switch - on date		
subscriberList -> subrActivateDate	String	Subscriber Activation Date		
subscriberList -> subrOffDate	String	Subscriber switch- off date		
subscriberList -> subrOffReason	String	Subscriber switch- off reason		
subscriberList -> subrStatus	String	Subscriber status		
subscriberList -> contactId	String	User profile ID		
subscriberList -> registeredaddressID	String	Contact address ID		
subscriberList -> useridentity	String	Contact email ID		
subscriberList -> email	String	Contact email		
subscriberList -> langPreference	String	Language preference of contact email		

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input parameters
-2	No such subscriber in ICP system

Success response

```
{
        "resultCode": "0",
        "resultMsg": "SUCCESS",
        "contact": {   -- take one of owner profile from many customer numbers
                "contactId": "1-ABC",
                "contactNum": "xxxxxxxxxxxxxxxxxx", -- Encrypted 91234567
                "contactNum2": "xxxxxxxxxxxxxxxxxx", -- Encrytped 21234567
                "contactPerson": "xxxxxxxxxxxxxxxxx", -- "Chan Tai Man"
                "faxNum": "xxxxxxxxxxxxxx", -- "21234567"
                "attention": "xxxxxxxxxxxx", -- "Chan Tai Man"
                "commLangCode": "C",
                "nationality": "CHINA",
                "fullName": "xxxxxxxxxxxxxxxxxxx", -- Encrypted Chan Tai Man
                "fullNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 陳大文
                "createdDate": "2020-09-01 09:01:00" ,
                "lastUpdatedDate": "2020-09-02 09:02:00" ,
                "createdBy": "PeterChan" ,
                "lastUpdatedBy": "PeterChan"
        },
        "accountList": [{
                "recId":  "4-ABC",
                "recStatus":  "ACTIVE",
                "custNum":  "012345678",
                "custId": "0-ABC",
                "accountType": "Postpaid",
                "custTypeCode": "PERS",
                "caCode": "",
                "contactId": "1-ABC",
                "loginnowId": "", -- owner (customer level)
                "addressId": "2-ABC",
                "ownerIdentity": "5-ABC",
                "loginnowInd": "", -- owner (customer level)
                "email": "xxxxxxxxxxxxxxxxxx", -- Billing email address Encrypted abc@abc.com
                "langPreference": "C", -- Billing email address language preferences
                "billDay": "21",
                "paymentMethod": "CASH",
                "createdDate": "2020-09-01 09:01:00" ,
                "lastUpdatedDate": "2020-09-02 09:02:00" ,
                "createdBy": "PeterChan" ,
                "lastUpdatedBy": "PeterChan" ,
                "paymentMethodId": "11" ,
                "ccPrefix": "4123432" ,
                "divertCode": "EWA" ,
                "SEB Account": "4123432.00001" ,
                "ownerProfile": {
                        "contactId": "1-ABC",
                        "custTitle": "Mr",
```

```
                    "lastName": "xxxxxxxxxxxxxxxxxxxx", -- Encrypted Chan
                    "firstName": "xxxxxxxxxxxxxxxxxxxx", -- Encrypted Tai Man
                    "lastNameChi": "xxxxxxxxxxxxxxxxxxxx", -- Encrypted 陳
                    "firstNameChi": "xxxxxxxxxxxxxxxxxxxx", -- Encrypted 大文
                    "lastNameChiCode": "xxxxxxxxxxxxxxxxxxxx", -- "1234"
                    "firstNameChiCode": "xxxxxxxxxxxxxxxxxxxx", -- "5678 9874"
                    "birth": "xxxxxxxxxxxxxxxx", -- Encrypted 1999-12-20
                    "IdTypeCode": "I",
                    "idbr": "xxxxxxxxxxxxxxxxxxx", -- Encrypted A123456(7)
                    "seriesOfSymbol": "**AZ",
                    "gender": "xxxxxxxxxxxxxxxxxxxx", -- "M"
                    "contactNum": "xxxxxxxxxxxxxxxxxxxx", -- Encrypted 91234567
                    "contactNum2": "xxxxxxxxxxxxxxxxxxxx", -- Encrypted 21234567
                    "contactPerson": "xxxxxxxxxxxxxxxxxxxx", -- "Chan Tai Man"
                    "faxNum": "xxxxxxxxxxxxxx", -- "21234567"
                    "attention": "xxxxxxxxxxxx", -- "Chan Tai Man"
                    "commLangCode": "C",
                    "nationality": "CHINA",
                    "fullName": "xxxxxxxxxxxxxxxxxxxx", -- Encrypted Chan Tai Man
                    "fullNameChi": "xxxxxxxxxxxxxxxxxxxx", -- Encrypted 陳大文
                    "companyName": "xxxxxxxxxx",
                    "position": "xxxxxxxxxxxxx",
                    "industryCode": "xxxxxxxxx",
                    "createdDate": "2020-09-01 09:01:00" ,
                    "lastUpdatedDate": "2020-09-02 09:02:00" ,
                    "createdBy": "PeterChan" ,
                    "lastUpdatedBy": "PeterChan"
            },
            "billingAddress": {
                    "addressID": "2-ABC",
                    "addressType": "BILLING ADDRESS",
                    "flat": "xxxxxxxxxxxxxx", -- "3",
                    "flatDesc": "xxxxxxxxxxxxxx", -- "Flat",
                    "floor": "xxxxxxxxxxxxxx", -- "27",
                    "floorDesc": "xxxxxxxxxxxxxx", -- "Floor",
                    "block": "xxxxxxxxxxxxxx", -- "2",
                    "blockDesc": "xxxxxxxxxxxxxx", -- "Block",
                    "building": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                    "estate": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "streetNo": "xxxxxxxxxxxxxx", -- "378 ",
                    "street": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                    "lot": "s",
                    "district": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "area": "xxxxxxxxxxxxxx", -- "KLN",
                    "flatChi": "xxxxxxxxxxxxxx", -- "3",
                    "flatDescChi": "xxxxxxxxxxxxxx", -- "Flat",
                    "floorChi": "xxxxxxxxxxxxxx", -- "27",
                    "floorDescChi": "xxxxxxxxxxxxxx", -- "Floor",
                    "blockChi": "xxxxxxxxxxxxxx", -- "2",
                    "blockDescChi": "xxxxxxxxxxxxxx", -- "Block",
                    "buildingChi": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                    "estateChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "streetNoChi": "xxxxxxxxxxxxxx", -- "378 ",
                    "streetChi": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                    "lotChi": "",
                    "districtChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "areaChi": "xxxxxxxxxxxxxx", -- "KLN",
```

```
                    "addrLine1": "xxxxxxxxxxxxxx", --Encrypted 27/Floor, Millennium Tower 2
                    "addrLine2": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                    "addrLine1Chi": "xxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
                    "addrLine2Chi": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                    "xCoordinate": "123",
                    "yCoordinate": "789",
                    "addressCode": "112233"
                    "addressNature": "Residential"
                    "createdDate": "2020-09-01 09:01:00" ,
                    "lastUpdatedDate": "2020-09-02 09:02:00" ,
                    "createdBy": "PeterChan" ,
                    "lastUpdatedBy": "PeterChan"
            },
        "subscriberList": [{
                    "recId":  "6-ABC",
                    "recStatus":  "ACTIVE",
                    "custNum":  "01234567",
                    "accountNum": "01234567.00001",
                    "subrNum": "91234567",
                    "crtByEpc": "N",
                    "lineCategory": "M",
                    "portinInd": "",
                    "portInSource": "",
                    "dno": "",
                    "buyoutNum": "",
                    "subrNature": "",
                    "subrRole": "",
                    "subrOnDate": "2020-10-01 00:00:00",
                    "subrActivateDate": "2020-10-01 00:00:00",
                    "subrOffDate": "",
                    "subrOffReason": "",
                    "subrStatus": "OK",
                    "contactID": "CNT00011234555",
                    "registeraddressID": "ADDR00011234555",
                    "userIdentity": "EMAP00011234555",
                    "email": " xxxxxxxxxxxxxx", -- contact email Encrypted abc@gmail.com
                    "langPreference": "C"
            }]
        }]
}
```

Fail response

```
{
        "resultCode": "-1",
        "resultMsg": "Missing input parameters"
}
```

12. Get Subscriber Basic Information

Purpose

Get the subscribers basic information for the active subscriber for SMC ustomer including Postpaid, Prepaid, Birdies and MVNO for New Billing

Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/subrBasicInfo

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf

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

API: /subrBasicInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
recId	String	Subscriber record Id	0-BCC	Search subscriber lists using record ID (Optional)
custNum	String	Customer Number	01234567	Search subscriber lists using customer number (Optional)
subrNum	String	Subscriber Number	91234567	Search subscriber list using subscriber number (Optional)
accountNum	String	Account Number	01234567.00001	Search subscriber list using account number (Optional)
loginnowId	String	LoginNow ID	12345	Search subscriber list using LoginNow ID (Optional)

Request Combination

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

recId	custNum	subrNum	accountNum	loginnowId	Response
Y	NULL	NULL	NULL	NULL	Get subscriber Information by record ID
NULL	Y	NULL	NULL	NULL	Get subscriber Information by customer Number
NULL	NULL	Y	NULL	NULL	Get active POSTPAID subscriber Information or derive active subscriber belonging to MVNO, BIRDIES or PREPAID
NULL	NULL	NULL	Y	NULL	Get subscriber Information by account Number
NULL	Y	Y	NULL	NULL	Get subscriber Information by customer Number and subscriber Number
NULL	NULL	NULL	NULL	Y	Get subscriber Information by LoginNow ID

Sample Request

```
Get subscriber information by record ID
{
        "requesterId": "ManChan",
         recId : "1-ABC"
}
Get subscriber information by customer Number
{
        "requesterId": "ManChan",
         custNum: "01234567"
}
Get postpaid subscriber information by subscriber Number or derive subscriber belonging to MVNO, BIRDIES, PREPAID
{
        "requesterId": "ManChan",
         subrNum: "91234567"
}
Get subscriber information by customer Number and subscriber Number
{
        "requesterId": "ManChan",
         custNum: "01234567"
         subrNum: "91234567"
}
Get subscriber information by LoginNow Id
{
        "requesterId": "ManChan",
         loginnowId: "12345"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	Refer below table	
resultMsg	String	Return Error Code		
subscriberList	Json object array	List of subscriber record		
subscriberList -> recId	String	Unique identifier for subscriber record	6-ABC	
subscriberList -> recStatus	String	Record status of subscriber	ACTIVE	
subscriberList -> custId	String	Customer ID	10-212V4	
subscriberList -> custNum	String	Customer number	01234567	
subscriberList -> accountNum	String	Account Number	01234567.0001	
subscriberList -> subrNum	String	Susbscriber Number	91234567	
subscriberList -> lineCategory	String	Category of subscriber	M	
subscriberList ->	String	Subscriber Type	POSTPAID / PREPAID /	

subrType				BIRDIES / MVNO	
subscriberList -> portinInd	String		Port-In Indicator	MNP INP	
subscriberList -> portinSource	String		Port-In Source	BIRDIES MVNO PREPAID	
subscriberlist -> dno	string		DNO	CSL BIRDIES	
subscriberlist -> buyoutNum	string		Buyout number		
subscriberlist -> subrNature	string		Subscriber Nature	5GBB	
subscriberlist -> subrRole	string		Subscriber Role	OWNER_PRIMARY OWNER_OTHER_DEVICE AUTHORIZED_USER UNAUTHORIZED_USER	
subscriberList -> subrOnDate	String		Subscriber proposed switch on date	2020-10-01 00:00:00	
subscriberList -> subrOffDate	String		Subscriber Terminate Date		
subscriberList -> subrOffReason	String		Disconnection Reason Code		
subscriberList -> subrStatus	String		Subscriber Status	OK	
subscriberList -> portfolioId	String		Portfolio ID of subscriber for EPC		
subscriberList -> weChatId	String		WeChat ID of the subscriber		
subscriberList -> tenureYear	String		Tenure year of the subscriber		Tenure = tenureYear + tenureMth
subscriberList -> tenureMth	String		Tenure month of the subscriber		
subscriberList -> loyaltyMarker	String		Loyalty Marker of the subscriber		
subscriberList -> crmLabel	String		CRM Label of the subscriber		
subscriberList -> accountStatus	String		Account Status		
subscriberList -> splitCharge	String		Split charge in Billing or not	Y/N	
subscriberList -> divertCode	String		Divert Code		
subscriberList -> imei	String		IMEI		
subscriberList -> imsi	String		IMSI		
subscriberList -> sim	String		SIM		

subscriberList -> ratePlan	String	Rate Plan		
subscriberList -> dealerCode	String	Dealer Code		
subscriberList -> omOrderId	String	OM Order ID for existing activation		
subscriberList -> epcOmOrderId	String	Hansen OM Order ID for EPC phase 2		
subscriberList -> crtByEpc	String	Create the subscriber by EPC or not	Y/N	
subscriberList -> tenure	String	Tenure of the subscriber		
subscriberList -> loyaltyMarker	String	Loyalty Marker of the subscriber		
subscriberList -> crmLabel	String	CRM Label of the subscriber		
subscriberList -> subrOnDate	String	Subscriber proposed switch on date	2020-10-01 00:00:00	
ChildList	Json object array	List of Child Subscriber ecord		See response sample
ChildList -> child record	String	Child record		

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input parameters
-2	No such subscriber in ICP system

Success response

```
// postpaid line
{
        "resultCode": "0",
        "resultMsg": "SUCCESS",
        "subscriberList": [{
                "recId": "6-ABC",
                "recStatus": "ACTIVE",
                "custId": "10-212V4",
                "custNum": "01234567",
                "accountNum": "01234567.00001",
                "subrNum": "91234567",
                "lineCategory": "M",
                "subrType": "POSTPAID",
                "portinInd": "",
                "portinSource": "",
                "dno": "",
                "buyoutNum": "",
                "subrNature": "",
                "subrRole": "OWNER_PRIMARY",
                "subrOnDate": "2020-10-01 00:00:00",
                "subrOffDate": "",
                "subrOffReason": "",
                "subrStatus": "OK",
                "portfolioId": "548946-152796-945245",
                "weChatId": "12345678",
                "tenureYear": "0",
                "tenureMth": "7",
                "loyaltyMarker": "PP",
                "crmLabel": "BE4",
                "accountStatus": "OK",
                "splitCharge": "N",
                "divertCode": "XEWA",
                "imei": "354437060346158",
                "imsi": "454065200092906",
                "sim": "89852061207230179066",
                "ratePlan": "3GRF",
                "dealerCode": "FA2748",
                "omOrderId": "OMACT000000202402210",
                "epcOmOrderId": "",
                "crtByEpc": "N",
                "childList": [{     -- Get list of child of this subscriber number
                        "chRecId": "7-ABC",
                        "chCustId": "10-212V4",
                        "chCusNum": "012345678",
                        "chSubrNum": "91204597",
                        "chAcctNum": "012345678.00010",
                        "chSwitchOnDate": "2022-01-01 13:00:00",
                        "chSwitchOffDate": "",
                        "chDisconnectReason": "",
                        "chSubrStatus": "OK",
                        "chParentType": "ADDON_VOICE"
                }, {
                "chRecId": "4-ABC",
                        "chCustId": "10-212V4",
                        "chCusNum": "012345678",
```

```
                            "chSubrNum": "91204500",
                            "chAcctNum": "012345678.00011",
                            "chSwitchOnDate": "2022-01-15 13:00:00",
                            "chSwitchOffDate": "",
                            "chDisconnectReason": "",
                            "chSubrStatus": "OK",
                            "chParentType": "ADDON_VOICE"
                    }]
            }]
}

// MVNO or BIRDIES line
{
        "resultCode": "0",
        "resultMsg": "SUCCESS",
        "subscriberList": [{
                "custNum":  "01234567",
                "accountNum": "01234567.00001",
                "subrNum": "91234567",
                "lineCategory": "M",
                "subrType": "MVNO"
        }]
}
// Prepaid line
{
        "resultCode": "0",
        "resultMsg": "SUCCESS",
        "subscriberList": [{
                "custNum":  "01234567",
                "accountNum": "01234567.00001",
                "subrNum": "91234567",
                "lineCategory": "P",
                "subrType": "PREPAID"
        }]
}
```

Fail response

```
{
        "resultCode": "-1",
        "resultMsg": "Missing input parameters"
}


{
        "resultCode": "-2",
        "resultMsg": "No such subscriber in ICP system"
}
```

13. Get Subscriber Information

Purpose

To get the subscriber information for active postpaid / prepaid subscribers for SMC customer

Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/subrInfo

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf

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

API: /subrInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjM2ZiM2ZiMWUyNGGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
recId	String	Subscriber record Id	0-BCC	Search subscriber lists using record ID (Optional)
custNum	String	Customer Number	01234567	Search subscriber lists using customer number (Optional)
subrNum	String	Subscriber Number	91234567	Search subscriber list using subscriber number (Optional)
loginnowId	String	LoginNow ID	12345	Search subscriber list using LoginNow ID (Optional)

Request Combination

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

recId	custNum	subrNum	loginnowId	Response
Y	NULL	NULL	NULL	Get subscriber Information by record ID
NULL	Y	NULL	NULL	Get subscriber Information by customer number
NULL	NULL	Y	NULL	Get subscriber Information by subscriber number
NULL	Y	Y	NULL	Get subscriber Information by customer number and subscriber number
NULL	NULL	NULL	Y	Get subscriber Information by LoginNow ID

Sample Request

```
Get subscriber information by record ID
{
        "requesterId": "ManChan",
         recId : "1-ABC"
}
Get subscriber information by customer Number
{
        "requesterId": "ManChan",
         custNum: "01234567"
}
Get subscriber information by subscriber Number
{
        "requesterId": "ManChan",
         subrNum: "91234567"
}
Get subscriber information by customer Number and subscriber Number
{
        "requesterId": "ManChan",
         custNum: "01234567"
         subrNum: "91234567"
}
Get subscriber information by LoginNow Id
{
        "requesterId": "ManChan",
         loginnowId: "12345"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	Refer below table	
resultMsg	String	Return Error Code		
subscriberList	Json object array	List of subscriber record		See appendix
subscriberList -> subscriber record	String	Subscriber information		See response sample
ChildList	Json object array	List of Child Subscriber record		See response sample
ChildList -> child record	String	Child record		
subscriberList-> ownerProfile	Json object	Owner information of customer level		See appendix
subscriberList-> userProfile	Json object	Contact information of customer level		See appendix
subscriberList-> registerAddress	Json object	Register Address of subscriber		See appendix
subscriberList-> commAddress	Json object	Communication address of subscriber		See appendix
subscriberList-> billingAddress	Json object	billing address of customer level		See appendix
subscriberList-> subscriberAttributes	Json object array	List of subscriber attributes record		
subscriberList-> subscriberAttributes -> recId	String	Record Id of subscriber attributes		
subscriberList-> subscriberAttributes -> subrId	String	Subscriber Id of subscriber attributes		
subscriberList-> subscriberAttributes -> attrGroup	String	Group of subscriber attributes	StaffInfo corpAttr	
subscriberList-> subscriberAttributes -> indexedAttr	String	Name of subscriber attributes	StaffInfo corpAttr	
subscriberList-> subscriberAttributes-> attr01	String	Value of subscriber attributes	Chung Tai Man	Username
subscriberList-> subscriberAttributes-> attr02	String	Value of subscriber attributes	S0001	UserID

...				
subscriberList-> subscriberAttributes-> attr23	String	Value of subscriber attributes		
subscriberList-> subscriberAttributes-> attr24	String	Value of subscriber attributes		
subscriberList-> subscriberAttributes-> createDate	String	Date of subscriber attributes created		
subscriberList-> subscriberAttributes-> createBy	String	Date of subscriber attributes last update		
subscriberList-> subscriberAttributes-> lastUpdateDate	String	Staff Id of subscriber attributes created by		
subscriberList-> subscriberAttributes-> lastUpdateBy	String	Staff Id of subscriber attributes last update by		
subscriberList -> crmLabel	String	CRM Label		
SubscriberList -> plan	String	Plan of this subscriber		
SubscriberList -> planDesc	String	Plan description		
SubscriberList -> planDescChi	String	Plan description in Chinese		
SubscriberList -> planAmt	String	Plan amount (monthly fee)		
SubscriberList -> planEndDate	String	Plan contract end date Format: YYYY-MM-DD		
SubscriberList -> SIM	String	SIM of this subscriber		
SubscriberList -> IMEI	String	IMEI of this subscriber		
SubscriberList -> IMSI	String	IMSI of this subscriber		
SubscriberList -> loyaltyMarker	String	Loyalty marker of this subscriber		
SubscriberList -> ebill	String	Billing email address in customer level		
SubscriberList -> ebillLang	String	Preference language of this email		

SubscriberList -> loyaltyMarker	String	Loyalty marker of this subscriber		
SubscriberList -> loginNowInd	String	LoginNow Indicator if this subscriber is loginNow		
SubscriberList -> divertCode	String	Divert Code of this customer number		
SubscriberList ->sebAccount	String	Seb account number of this customer number		

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input parameters
-2	No such subscriber in ICP system

Success response

```
{
        "resultCode": "0",
        "resultMsg": "SUCCESS",
        "subscriberList": [{
                "recId":  "6-ABC",
                "recStatus":  "ACTIVE",
                "custId": "7-ABC",
                "custNum":  "012345678",
                "accountNum": "012345678.0001",
                "subrNum": "91234567",
                "crtByEpc": "N",
                "lineCategory": "M",
                "portinInd": "MNP",
                "portinSource": "MNP",
                "dno": "CSL",
                "buyoutNum": "90123454",
                "subrNature": "5GBB",
                "subrRole":  "Owner's Primary Number",
                "subrOnDate": "2020-10-01 00:00:00",
                "subrActivateDate": "2020-10-01 00:00:00",
                "subrOffDate":  "",
                "subrOffReason": "",
                "subrStatus": "OK",
                "weChatId": "12345678",
                "contactId": "3-ABC",
                "registerAddressId": "3-ABD",
                "commChannelId": "7-ABC",
                "userIdentity": "9-ABC",
                "prevRecId": "",
                "prevRecReason": "",
                "parentSubrId": "9-AAA", // parent subrId
```

```
            "parentType": "FAMILY",
            "mgmReferrerCode": "",
            "mgmRefereeCode": "",
            "channel": "",
            "contactOwnerComm": "Y",
            "guarantorContactId": "",
            "guarantorAddressId": "",
            "guarantorStartDate": "",
            "guarantorExpireDate": "",
            "loginNowId": "",
            "loginNowAuthorized": "",
            "commAddressId": "2-ABC",
            "seb": "",
            "portfolioId": "548946-152796-945245",
            "retentionTenure": "",
            "createdDate": "2020-09-01 09:01:00" ,
            "createdBy": "PeterChan" ,
            "lastUpdatedDate": "2020-09-02 09:02:00" ,
            "lastUpdatedBy": "PeterChan" ,
            "email": "xxxxxxxxxxxxxxxxxx", -- Contact email address Encrypted abc@gmail.com
            "langPreference": "C", -- Contact email language preferences
            "childList": [{     -- Get list of child of this subscriber number
                    "chRecId": "7-ABC",
                    "chCusNum": "012345678",
                    "chSubrNum": "91204597",
                    "chAcctNum": "012345678.00010",
                    "chSwitchOnDate": "2022-01-01 13:00:00",
                    "chSwitchOffDate": "",
                    "chDisconnectReason": "",
                   "chSubrStatus": "OK",
                    "chParentType": "ADDON_VOICE"
                    },
            {"chRecId": "4-ABC",
                    "chCusNum": "012345678",
                    "chSubrNum": "91204500",
                    "chAcctNum": "012345678.00011",
                    "chSwitchOnDate": "2022-01-15 13:00:00",
                    "chSwitchOffDate": "",
                    "chDisconnectReason": "",
                    "chSubrStatus": "OK",
                    "chParentType": "ADDON_VOICE"
                    }]
            "userProfile": {     -- Get user profile under this subscriber number
                    "contactId": "1-ABC",
                    "custTitle": "Mr",
                    "lastName": "xxxxxxxxxxxxxxxxxxx", -- Encrypted Chan
                    "firstName": "xxxxxxxxxxxxxxxxxxx", -- Encrypted Tai Man
                    "fullName": "xxxxxxxxxxxxxxxxxxx", -- Encrypted Chan Tai Man
                    "lastNameChi": "xxxxxxxxxxxxxxxxxxx", -- Encrypted 陳
                    "firstNameChi": "xxxxxxxxxxxxxxxxxxx", -- Encrypted 大文
                    "fullNameChi": "xxxxxxxxxxxxxxxxxxx", -- Encrypted 陳大文
                    "lastNameChiCode": "xxxxxxxxxxxxxxxxxxx", -- "1234"
                    "firstNameChiCode": "xxxxxxxxxxxxxxxxxxx", -- "5678 9874"
                    "gender": "xxxxxxxxxxxxxxxxxxx", -- "M"
                    "birth": "xxxxxxxxxxxxxxx", -- Encrypted 1999-12-20
                    "IdTypeCode": "I",
                    "idbr": "xxxxxxxxxxxxxxxxxxx", -- Encrypted A123456(7)
```

```
                    "seriesOfSymbol": "xxAZ",
                    "contactNum": "xxxxxxxxxxxxxxxxxxx", -- Encrypted 91234567
                    "contactNum2": "xxxxxxxxxxxxxxxxxxx", -- Encrypted 21234567
                    "contactPerson": "xxxxxxxxxxxxxxxxx", -- "David Chan"
                    "faxNum": "xxxxxxxxxxxxxx", -- "21234567"
                    "attention": "xxxxxxxxxxxx", -- "Chan Tai Man"
                    "commLangCode": "C",
                    "nationality": "Chinese",
                    "companyName": "xxxxxxxxxxxxxxxxxxx",
                    "position": "xxxxxxxxxxxxxxxxx",
                    "industryCode": "xxxxxxxxxxxxxxxxx",
                    "createdDate": "2020-09-01 09:01:00" ,
                    "lastUpdatedDate": "2020-09-02 09:02:00" ,
                    "createdBy": "PeterChan" ,
                    "lastUpdatedBy": "PeterChan"
            },
            "registerAddress": {
                    "addressID": "2-ABC",
                    "contactId": "", --NULL for Contact Address
                    "addressType": "CONTACT_ADDR", -- Contact address at user level
                    "addressNature": "Residential",
                    "flat": "xxxxxxxxxxxxxx", -- "3",
                    "flatDesc": "xxxxxxxxxxxxxx", -- "Flat",
                    "floor": "xxxxxxxxxxxxxx", -- "27",
                    "floorDesc": "xxxxxxxxxxxxxx", -- "Floor",
                    "block": "xxxxxxxxxxxxxx", -- "2",
                    "blockDesc": "xxxxxxxxxxxxxx", -- "Block",
                    "building": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                    "estate": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "streetNo": "xxxxxxxxxxxxxx", -- "378 ",
                    "street": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                    "lot": "s",
                    "district": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "area": "xxxxxxxxxxxxxx", -- "KLN",
                    "flatChi": "xxxxxxxxxxxxxx", -- "3",
                    "flatDescChi": "xxxxxxxxxxxxxx", -- "Flat",
                    "floorChi": "xxxxxxxxxxxxxx", -- "27",
                    "floorDescChi": "xxxxxxxxxxxxxx", -- "Floor",
                    "blockChi": "xxxxxxxxxxxxxx", -- "2",
                    "blockDescChi": "xxxxxxxxxxxxxx", -- "Block",
                    "buildingChi": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                    "estateChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "streetNoChi": "xxxxxxxxxxxxxx", -- "378 ",
                    "streetChi": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                    "lotChi": "",
                    "districtChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "areaChi": "xxxxxxxxxxxxxx", -- "KLN",
                    "addrLine1": "xxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
                    "addrLine2": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                    "addrLine1Chi": "xxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
                    "addrLine2Chi": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                    "xCoordinate": "123",
                    "yCoordinate": "789",
                    "addressCode": "112233",
                    "createdDate": "2020-09-01 09:01:00" ,
                    "lastUpdatedDate": "2020-09-02 09:02:00" ,
                    "createdBy": "PeterChan" ,
```

```
                    "lastUpdatedBy": "PeterChan"
            },
            "CommAddress": {
                    "addressID": "2-ABC",
                    "contactId": "8-ABC", --Not NULL for Communication address
                    "addressType": "COMM_ADDR", -- Priority Plus at user level
                    "addressNature": "Residential",
                    "flat": "xxxxxxxxxxxxxx", -- "3",
                    "flatDesc": "xxxxxxxxxxxxxx", -- "Flat",
                    "floor": "xxxxxxxxxxxxxx", -- "27",
                    "floorDesc": "xxxxxxxxxxxxxx", -- "Floor",
                    "block": "xxxxxxxxxxxxxx", -- "2",
                    "blockDesc": "xxxxxxxxxxxxxx", -- "Block",
                    "building": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                    "estate": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "streetNo": "xxxxxxxxxxxxxx", -- "378 ",
                    "street": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                    "lot": "s",
                    "district": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "area": "xxxxxxxxxxxxxx", -- "KLN",
                    "flatChi": "xxxxxxxxxxxxxx", -- "3",
                    "flatDescChi": "xxxxxxxxxxxxxx", -- "Flat",
                    "floorChi": "xxxxxxxxxxxxxx", -- "27",
                    "floorDescChi": "xxxxxxxxxxxxxx", -- "Floor",
                    "blockChi": "xxxxxxxxxxxxxx", -- "2",
                    "blockDescChi": "xxxxxxxxxxxxxx", -- "Block",
                    "buildingChi": "xxxxxxxxxxxxxx", -- "Millennium Tower",
                    "estateChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "streetNoChi": "xxxxxxxxxxxxxx", -- "378 ",
                    "streetChi": "xxxxxxxxxxxxxx", -- "Kwun Tong Road",
                    "lotChi": "",
                    "districtChi": "xxxxxxxxxxxxxx", -- "Kwun Tong",
                    "areaChi": "xxxxxxxxxxxxxx", -- "KLN",
                    "addrLine1": "xxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
                    "addrLine2": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                    "addrLine1Chi": "xxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
                    "addrLine2Chi": "xxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
                    "xCoordinate": "123",
                    "yCoordinate": "789",
                    "addressCode": "112233",
                    "createdDate": "2020-09-01 09:01:00" ,
                    "lastUpdatedDate": "2020-09-02 09:02:00" ,
                    "createdBy": "PeterChan" ,
                    "lastUpdatedBy": "PeterChan"
            },
            "crmLabel": "BE5",
            "plan": "5GABB",
            "planDesc": "SuperCare 10GB Smartphone Plan",
            "planDescChi": "SuperCare 10GB Smartphone Plan",
            "planAmt": 489,
            "planEndDate": "2021-12-31",
            "subscriberAttributes": [{
                    "recId": "9-ABC",
                    "subrId": "7-ABC",
                    "attrGroup": "corpAttr",
                    "indexedAttr": "BM",
                    " attr01": "xxx",
```

```
                        " attr02": "xxx",
                    …
                        " attr23": "xxx",
                        " attr24": "xxx",
                        "createdDate": "2020-09-01 09:01:00" ,
                        "lastUpdatedDate": "2020-09-02 09:02:00" ,
                        "createdBy": "PeterChan" ,
                        "lastUpdatedBy": "PeterChan"
                }]
            "sim": "89852061508238551978",
            "imei": "304961000000108",
            "imsi": "454065220090297",
            "ebill": "xxxxxxxxxxxxxxxxxx", -- Billing email address "abc@abc.com",
            "ebillLang": "C", -- Billing email address language preferences
            "loyaltyMarker": "PP",
            "loginNowInd": "",
            "divertCode": "",
            "sebAccount": recSEBAccount,
            "ownerProfile": {      -- Get owner profile under this customer number
                        "contactId": "1-ABC",
                        "custTitle": "Mr",
                        "lastName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Chan
                        "firstName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Tai Man
                        "fullName": "xxxxxxxxxxxxxxxxxx", -- Encrypted Chan Tai Man
                        "lastNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 陳
                        "firstNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 大文
                        "fullNameChi": "xxxxxxxxxxxxxxxxxx", -- Encrypted 陳大文
                        "lastNameChiCode": "xxxxxxxxxxxxxxxxxx", -- "1234"
                        "firstNameChiCode": "xxxxxxxxxxxxxxxxxx", -- "5678 9874"
                        "gender": "xxxxxxxxxxxxxxxxxx", -- "M"
                        "birth": "xxxxxxxxxxxxxxx", -- Encrypted 1999-12-20
                        "IdTypeCode": "I",
                        "idbr": "xxxxxxxxxxxxxxxxxx", -- Encrypted A123456(7)
                        "seriesOfSymbol": "xxAZ",
                        "contactNum": "xxxxxxxxxxxxxxxxxx", -- Encrypted 91234567
                        "contactNum2": "xxxxxxxxxxxxxxxxxx", -- Encrypted 21234567
                        "contactPerson": "xxxxxxxxxxxxxxxxxx", -- "David Chan"
                        "faxNum": "xxxxxxxxxxxxx", -- "21234567"
                        "attention": "xxxxxxxxxxxx", -- "Chan Tai Man"
                        "commLangCode": "C",
                        "nationality": "CHINA",
                        "companyName": "xxxxxxxxxxxxxxxxxx",
                        "position": "xxxxxxxxxxxxxxxxxx",
                        "industryCode": "xxxxxxxxxxxxxxxxxx",
                        "createdDate": "2020-09-01 09:01:00" ,
                        "lastUpdatedDate": "2020-09-02 09:02:00" ,
                        "createdBy": "PeterChan" ,
                        "lastUpdatedBy": "PeterChan"
                }
        }]
    }
}
```

Fail response

```
Subscriber Record Not Found
{
        "resultCode": "-1",
```

```
        "resultMsg": "Subscriber record not found "
}

Invalid input parameter combination used in the request
{
        "resultCode": "-3",
        "resultMsg": "Invalid input parameter combination used"
}
```

14.Get DM Consent Information

Purpose

To DM Consent Information using Customer ID (with ID Type) or customer number for New Billing

Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/getDMConsent

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf

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

API: /getDMConsent

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterID	String	API Requester Identity	e.g MYACCOUNT ESTORE	Required field
idTypeCode	String	Identification Type	I – IDBR P - Passport M – Mobile C - Contact E - Email	Required field
idBr	String	IdTypeCode = I - Value is hkid IdTypeCode = P - Value is passport IdTypeCode = M - Value is subr no IdTypeCode = C - Value is contact no IdTypeCode = E - Value is email addr	Z123145(2) (Encrypted value)	Required field
custNum	String	Customer Number	05124833	Mandatory for input idTypeCode = M
encrypted	String	Option not to encrypt request parameter	N	Optional field

Sample Request

```
Enquire by HKID or Passport with encrypted idBr field
{
        "requesterID" : "ESTORE",
        "idTypeCode" : "I",
        "idBr" : "PSDOIJFA",  -- encrypted HKID
        "custNum" : ""
}
Enquire by subscriber number without encrypted idBr field
{
        "requesterID" : "ESTORE",
        "idTypeCode" : "M",
        "idBr" : "91234567",  -- not encypted subscriber number
        "custNum" : "03545432",
        "encrypted" : "N"
}
Enquire by contact number without encrypted idBr field
{
        "requesterID" : "ESTORE",
        "idTypeCode" : "C",
        "idBr" : "61234567",  -- not encypted contact number
        "custNum" : "",
        "encrypted" : "N"
}
Enquire by email address without encrypted idBr field
{
        "requesterID" : "ESTORE",
        "idTypeCode" : "E",
        "idBr" : "abc@gmail.com",  -- not encypted email address
        "custNum" : "",
        "encrypted" : "N"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result Code	Refer below table	
resultMsg	String	Return result message		
consentFlag	String	Direct Marketing Consent Flag	Y – opt-in N – opt-out	

Result Code

Result Code	Meaning
0	Success
-1	No input value of customer number
-2	Unauthorized IP

Success Response

```
DM record is found
{
        "resultCode" : 0,
        "resultMsg" : "SUCCESS",
        "consentFlag" : "Y"
}
DM record is found
{
        "resultCode" : 0,
        "resultMsg" : "SUCCESS",
        "consentFlag" : "N"

}
```

Failure Response

```
DM record is not found
{
        "resultCode" : -2,
        "resultMsg" : "Unauthorized IP",
        "consentFlag" : ""
}
```

15. Get Company DM Consent information

Purpose

To get Company DM Consent Information for New Billing

Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/getCompDMConsent

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf

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

API: api/epccrm/getCompDMConsent

Type: REST

Method: POST

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterID	String	API Requester Identity	e.g MYACCOUNT ESTORE	Required field
idTypeCode	String	Identification Type	I – IDBR P - Passport M – Mobile E - Email	Required field
idBr	String	IdTypeCode = I - Value is hkid IdTypeCode = P - Value is passport IdTypeCode = M - Value is subr no IdTypeCode = E - Value is email addr	Z123145(2) (Encrypted value)	Required field
custNum	String	Customer Number	05124833	Mandatory for input idTypeCode = M
compType	String	Company Type	HEALTH S-REWARDS	Required field
encrypted	String	Option not to encrypt request parameter	N	Optional field

Sample Request

```
Enquire by HKID or Passport with encrypted idBr field
{
        "requesterID" : "ESTORE",
        "idTypeCode" : "I",
        "idBr" : "PSDOIJFA",  -- encrypted HKID
        "custNum" : "",
        "compType" : "S-REWARDS"
}

Enquire by subscriber number without encrypted idBr field
{
        "requesterID" : "ESTORE",
        "idTypeCode" : "M",
        "idBr" : "91234567",  -- not encypted subscriber number
        "custNum" : "",
        "compType" : "HEALTH",
        "encrypted" : "N"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result Code	Refer below table	
resultMsg	String	Return result message		
consentFlag	String	DM Consent Flag	Y – opt-in N – opt-out	

Result Code

Result Code	Meaning
0	Success
-1	No value of HKID or Subscriber number
-99	System error (Please refer to resultMsg for error detail)

Success Response

```
Get DM Concent record using ID + ID Type Code, which might return multiple DM Concent Record (with 2 differnt compType)
{
        "companyConsentInfo": [
                {
                        "compType": "HEALTH",
                        "consentFlag": "Y"
                },
                {
                        "compType": "S-REWARDS",
                        "consentFlag": "N"
                }
        ],
        "resultCode": 0,
        "resultMsg": "SUCCESS"
}

Get DM Concent record using ID + compType
{
        "companyConsentInfo": [
                {
                        "compType": "HEALTH",
                        "consentFlag": "Y"
                }
        ],
        "resultCode": 0,
        "resultMsg": "SUCCESS"
}
```

Failure Response

```
Error result due to no hkid provided in request
{
        "resultCode" : -1,
        "resultMsg" : "No input of HKID or Subscriber number",
        "dmConsent" : []
}

No DM Concent record found
{
        "resultCode" : 0,
        "resultMsg" : "SUCCESS",
        "dmConsent" : []
}
```

16. Get Plan Information

Purpose

To get plan information for postpaid and prepaid subscriber for new billing project

Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/planInfo

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf

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

API: /planInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjZiM2ZiMWUyNGGlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
custNum	String	Customer Number	01234567	Get plan information by subscriber
subrNum	String	Subscriber Number	91234567	

Request Combination

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

custNum	subrNum	Response
Y	Y	Get plan information by subscriber

Sample Request

```
{
        "requesterId": "ManChan",
        "custNum":  "012345678"
        "subrNum": "91234567"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Rturn Result	See below table	
resultMsg	String	Return Error Code		
custNum	String	Customer number		
subrNum	String	Subscriber number		
planCode	String	Plan code of subscriber		Reference omAPI -> curr_plan
planDesc	String	Plan Description of subscriber		Reference omAPI -> curr_plan_desc
planDescChi	String	Plan Desription of subscriber in Chinese		Reference omAPI -> curr_plan_chi_desc
planEndDate	String	Plan contract end date	YYYY-MM-DD	Reference omAPI -> plan_contract_end_date
planAmt	String	Monthly plan fee		Reference omAPI -> curr_plan_amt
serviceType	String	Service type of the subscriber	POSTPAID PREPAID	

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input parameters
-2	No such subscriber in ICP system

Success Response

```
{
        "resultCode": 0,
        "resultMsg": "SUCCESS",
        "custNum":  "012345678",
        "subrNum": "91234567",
        "planCode": "3GRK",
        "planDesc": " GoodCare Unlimited Data Plan",
        "planDescChi": "貼心無限數據計劃",
        "planAmt": "498",
        "planEndDate": "2021-03-01",
        "serviceType": "POSTPAID"
}
```

Fail response

```
{
        "resultCode": "-1",
        "resultMsg": "Missing input parameters "
}
```

17.Online Information

Purpose

To get customer information for online store account for New Billing

Reference EPC – SMC CRM Enquiry Interface API Specifications - /api/epccrm/onlineInfo

Interface Details

Production Endpoints: https://tykapi.hksmartonecom/icp/custProf

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

API: /onlineInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmciOiI2NGY2Y2I1ZmFiYzRhYWI4MGNlZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjIiM2ZiMWEyyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
custId	Strings	Unique Customer ID	0-ABC	Get online info using custId
eCommId	Strings	Unique eComm ID for online account	123	Get online info using eCommId
email	String	e-Comm user account	abc@gmail.com	Get online info using email account Encrypted
incl_Profile	String	Option to get online profile	Y – to return such info	
incl_DeliveryAddr	String	Option to get delivery address	Y – to return such info	
encrypted	String	An option to ignore encrypted request/ response parameters by setting value N	N – not encrypted	Optional

* encrypted by sensitive data jar

Request Combination

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

custId	eCommId	email	Response
Y	Null	Null	Get online information by custId
Null	Y	Null	Get online information by eCommId
Null	Null	Y	Get online information by email address

Sample Request

```
Get online profile but not include delivery address by customer identity
{
        "requesterId": "ManChan",
        "custId": "0-ABC",
        "incl_Profile": "Y",
        "incl_DeliveryAddr": "N",
        "encrypted": "N"
}
Get online profile and delivery address by email (ecomm user account)
{
        "requesterId": "ManChan",
        "email": "abc@gmail.com", – not Encrypted email
        "incl_Profile": "Y",
        "incl_DeliveryAddr": "Y",
        "encrypted": "N"
}
Get online profile and delivery address by eCommId
{
        "requesterId": "ManChan",
        "eCommId": "123",
        "incl_Profile": "Y",
        "incl_DeliveryAddr": "Y",
        "encrypted": "N"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success 100 – Fail	
resultMsg	String	Return Error Code		
type	String	Profile type	ONLINE-STORE	
custId	String	Unique Customer ID		
eCommId	String	Unique eComm ID		
email	String	eComm user account		Encrypted
langPreference	String	Languge preference	C / E	
contactId	String	Unique contact ID for online account		
commChannelId	String	Unique communication channel ID for e-news letter		
eCommId	Number	Unique key of ecomm user account in FES		
custStatus	String	Customer Status	ACTIVE INACTIVE	
createdDate	String	Created Date	YYYY-MM-DD HH24:MI:SS	
lastUpdatedDate	String	Last Updated Date	YYYY-MM-DD HH24:MI:SS	
createdBy	String	Created By		
lastUpdatedBy	String	Last Updated By		
profile	Json Object Array			
profile -> custTitle	String	Customer title of online account customer		
profile -> lastName	String	Last name		Encrypted
profile -> firstName	String	First name		Encrypted
profile -> fullname	String	Full name		Encrypted
profile -> lastNameChi	String	Last name Chinese		Encrypted
profile -> firstNameChi	String	First name Chinese		Encrypted
profile -> fullnameChi	String	Full name Chinese		Encrypted
profile -> gender	String	Gender		
profile -> contactNum	String	Contact number		
profile -> commLangCode	String	Communication language		
optInOut	Json Object Array			
optInOut -> commChannelId	String	Unique key of communication for opt-in/out flag		

optInOut -> channelCode	String	Online channel code	ECOMM-NEW	
optInOut -> optInFlag	String	Opt In/Out Flag	Y – Opt-In N – Opt-Out	
optInOut -> optInTime	String	1st ECOMM-NEW opt-in time Format: YYYY-MM-DD HH24:MI:SS		
deliveryAddr	Json Object Array			
deliveryAddr -> addressId	String	Unique address ID for online customer		
deliveryAddr -> addressIdDefault	String	Set default of delivery address		
deliveryAddr -> contactId	String	Unique online profile ID		
deliveryAddr -> contactNum	String	Contact number for delivery address		
deliveryAddr -> contactPerson	String	Contact person for delivery address		
deliveryAddr -> language	String	Delivery language		
deliveryAddr -> addressType	String	Address Type		
deliveryAddr -> addressNature	String	Address Nature	C – Commercial R - Residential	
deliveryAddr -> flat	String	Flat		
deliveryAddr -> flatDesc	String	Flat Description		
deliveryAddr -> floor	String	Flat		
deliveryAddr -> floorDesc	String	Flat Description		
deliveryAddr -> block	String	Block		
deliveryAddr -> blockDesc	String	Block Description		
deliveryAddr -> building	String	Building		
deliveryAddr -> estate	String	Estate		
deliveryAddr -> streetNo	String	Street Number		
deliveryAddr -> street	String	Street		
deliveryAddr -> lot	String	Lot		
deliveryAddr -> district	String	District		
deliveryAddr -> area	String	Area		
deliveryAddr -> addrLine1	String	Consolidated Address Line 1 for Billing		

deliveryAddr -> addrLine2	String	Consolidated Address Line 2 for Billing		
deliveryAddr -> flatChi	String	Flat in Chinese		
deliveryAddr -> flatDescChi	String	Flat Description in Chinese		
deliveryAddr -> floorChi	String	Floor in Chinese		
deliveryAddr -> floorDescChi	String	Floor Description in Chinese		
deliveryAddr -> blockChi	String	Block in Chinese		
deliveryAddr -> blockDescChi	String	Block Description in Chinese		
deliveryAddr -> buildingChi	String	Building in Chinese		
deliveryAddr -> estateChi	String	Estate in Chinese		
deliveryAddr -> streetNoChi	String	Street Number in Chinese		
deliveryAddr -> streetChi	String	Street in Chinese		
deliveryAddr -> lotChi	String	Lot in Chinese		
deliveryAddr -> districtChi	String	District in Chinese		
deliveryAddr -> areaChi	String	Area in Chinese		
deliveryAddr -> addrLine1Chi	String	Consolidated Address Line 1 for Billing in Chinese		
deliveryAddr -> addrLine2Chi	String	Consolidated Address Line 2 for Billing in Chinese		
deliveryAddr -> xCoordinate	String	X coordinate for Smart Address		
deliveryAddr -> yCoordinate	String	Y coordinate for Smart Address		
deliveryAddr -> xLong	String	Longitude of x-coordinate		
deliveryAddr -> yLat	String	Latitude of y-coordinate		

Result Code

Result Code	Meaning
0	SUCCESS
-1	Missing input parameters
-2	No such subscriber in ICP system

Success response

```
{
        "resultCode": "0",
        "resultMsg": "SUCCESS",
        "custId": "0-ABC",
        "eCommId": "123",
        "email": "abc@gmail.com",
        "langPreference": "E",
        "type": "ONLINE-STORE",
        "contactId": "1-ABC",
        "primaryAddrId": "",
        "commChannelId": "",
        "custStatus": "ACTIVE",
        "createdDate": "2020-09-01 09:01:00",
        "lastUpdatedDate": "2020-09-02 09:02:00",
        "createdBy": "PeterChan",
        "lastUpdatedBy": "PeterChan",

        //Incl_Profile = Y to get such data; If not, online profile Json Object is empty
        "profile": {
                "contactId": "1-ABC",
                "custTitle": "Mr",
                "lastName": "Chan", -- not Encrypted
                "firstName": "Dave", -- not Encrypted
                "fullName": "Chan Dave", -- not Encrypted
                "lastNameChi": "Chan", -- not Encrypted
                "firstNameChi": "Dave", -- not Encrypted
                "fullNameChi": "Chan Dave", -- not Encrypted
                "gender": "M",
                "contactNum": "91234567",
                "commLangCode": "C"
                },
        "optInOut": {
                "commChannelId": "1-ABC",
                "channelCode": "ECOMM-NEW",
                "optInFlag": "Y"
                },

        // Incl_DeliveryAddr = Y to get such data; If not, deliveryAddress Json Object is empty
        "deliveryAddr": {
                "addressId": "2-ABC",
                "addressIdDefault": "Y",
                "contactId": "CNT0000106556",
                "deliveryContactNum": "91230456 ",
                "deliveryContactPerson": "Alice Chan",
                "deliveryLanguage": "E",
                "addressType": "ONLINE-STORE",
                "addressNature": "Residential",
                "flat": "",
                "flatDesc": "",
                "floor": "27",
                "floorDesc": "27 Floor",
                "block": "2",
                "blockDesc": "Block 2",
                "building": "Millenuium City",
                "estate": "",
```

```
                "streetNo": "378",
                "street": "Kwun Tong Road",
                "lot": "",
                "district": "Kwun Tong",
                "area": "Kln",
                "flatChi": "",
                "flatDescChi": "",
                "floorChi": "27",
                "floorDescChi": "27 Floor",
                "blockChi": "2",
                "blockDescChi": "Block 2",
                "buildingChi": "Millenuium City",
                "estateChi": "",
                "streetNoChi": "378",
                "streetChi": "Kwun Tong Road",
                "lotChi": "",
                "districtChi": "Kwun Tong",
                "areaChi": "Kln",
                "addrLine1": "27/Floor, Millennium City",
                "addrLine2": "378 Kwun Tong Road",
                "addrLine1Chi": "27/Floor, Millennium City",
                "addrLine2Chi": "378 Kwun Tong Road",
                "yCoordinate": "789",
                "latitude": "13",
                "longitude": "73",
                "addressCode": ""
        },
        {

                "addressId": "3-ABC",
                "addressIdDefault": "",
                "contactId": "CNT0000106557",
                "deliveryContactNum": "91230477 ",
                "deliveryContactPerson": "Dave Chan",
                "deliveryLanguage": "C",
                "addressType": "ONLINE-STORE",
                "addressNature": "C",
                "flat": "",
                "flatDesc": "",
                "floor": "21",
                "floorDesc": "21 Floor",
                "block": "2",
                "blockDesc": "Block 2",
                "building": "Millenuium City",
                "estate": "",
                "streetNo": "378",
                "street": "Kwun Tong Road",
                "lot": "",
                "district": "Kwun Tong",
                "area": "Kln",
                "flatChi": "",
                "flatDescChi": "",
                "floorChi": "21",
                "floorDescChi": "21 Floor",
                "blockChi": "2",
                "blockDescChi": "Block 2",
                "buildingChi": "Millenuium City",
                "estateChi": "",
```

```
            "streetNoChi": "378",
            "streetChi": "Kwun Tong Road",
            "lotChi": "",
            "districtChi": "Kwun Tong",
            "areaChi": "Kln",
            "addrLine1": "27/Floor, Millennium City",
            "addrLine2": "378 Kwun Tong Road",
            "addrLine1Chi": "27/Floor, Millennium City",
            "addrLine2Chi": "378 Kwun Tong Road",
            "xCoordinate": "133",
            "yCoordinate": "739",
            "latitude": "13",
            "longitude": "73",
            "addressCode": ""
        }]
}
```

Fail response

```
Invalid custId for online profile
{
        "resultCode": -1,
        "resultMsg": "CustId for online profile is not found in CRM"
}
Invalid email for online profile
{
        "resultCode": -2,
        "resultMsg": "Online user (email) is not found in CRM"
}
```