

New Billing Project

ICP Enquiry Interface API Specifications Part 1

Revision History

Revision	Date	Description	Author
1.0	22-Oct-2024	List of enquiry functions from ICP data	Claudia Fung
	28-Oct-2024	Modify get Contact and get Address functions to support different input scenario for new billing project	Claudia Fung
	17-Apr-2025	New API to get loginNowInfo	Claudia Fung
	27-Apr-2025	New API to get plan available and network type	Claudia Fung
	14-May-2025	New API to get account Details	Claudia Fung
	23-May-2025	New API to check the subscriber was masked in ICP	Claudia Fung

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Objectives

This document is to provide the list of enquiry functions for retrieval ICP information for the new billing project.

ICP Enquiry API Specifications

1. Enquire Persona Attribute

Purpose

To provide the subscriber profile and list of persona attribute for postpaid & prepaid subscriber

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: /enqPersonaAttribute

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWl4MGNIWDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkliwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custId	String	Customer Identifier		
custNum	String	Customer Number	81234567	
acctNum	String	Account Number		
subrNum	String	Subscriber Number		Mandatory
moreInfo	String	Display additional information <ul style="list-style-type: none"> - Tenure (Year/Month) - Age - Personal Info (Owner & User) - CRM Label - Loyalty Marker - Point Member ID 	Y – display additional information N or null – not display	
displaySensitiveData	String	Display Sensitive Data It's applicable only for moreInfo = Y	Y – display sensitive data	Sensitive date: email & name
mask	String	Masked sensitive data It's applicable only for moreInfo = Y	Y – masked N or null - Encrypted	

Request Combination

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

custId	custNum	acctNum	subrNum	Response
Null	Null	Null	Y	Get persona attributes for active subscriber number only
Y / Null	Y	Y / Null	Y	Get persona attributes by customer & subscriber number

Sample Request

```

Enquire by subscriber number only
{
    "subrNum": "91234567",
    "moreInfo": "N"
}

Enquire by customer & subscriber number
{
    "custNum": "01234567",
    "subrNum": "91234567",
    "moreInfo": "Y",
    "displaySensitiveData": "Y",
    "mask": "Y"
}

```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 or above – Success <0 – Failure	
resultMsg	String	Return Error Code		
custId	String	Customer Identifier		
subrList	Json Object Array	List of postpaid subscriber under the same custId		
subrList -> custNum	String	Customer number		
subrList -> subrNum	String	Subscriber number		
subrList -> acctNum	String	Account number		
subrList -> custTenureYr	String	Customer Tenure (Yr)		Display only for moreInfo = Y
subrList -> custTenureMth	String	Customer Tenure (Mth)		Display only for moreInfo = Y
subrList -> subrTenureYr	String	Subscriber Tenure (Yr)		Display only for moreInfo = Y
subrList -> subrTenureMth	String	Subscriber Tenure (Mth)		Display only for moreInfo = Y
subrList -> age	String	Customer age		Display only for moreInfo = Y
subrList -> isAutopay	String	Is autopay	Y / N	
subrList -> isPostpaid	String	Is postpaid subscriber	Y / N	
subrList -> isBirdies	String	Is birdies subscriber	Y / N	
subrList -> isMvno	String	Is MVNo subscriber	Y / N	
subrList -> isPrepaid	String	Is prepaid subscriber	Y / N	
subrList -> isM1C2N	String	Is macau 1C2N	Y / N	
subrList -> is1638Idd	String	Is 1638 Idd	Y / N	
subrList -> isFbb	String	Is FBB	Y / N	
subrList -> is5gbb	String	Is 5GBB	Y / N	
subrList -> isPostpaidHPP	String	Is PostpaidHPP	Y / N	
subrList -> isHomeTel	String	Is Home Tel	Y / N	
subrList -> isWfl	String	Is WFL (Wireless Fixedline)	Y / N	
subrList -> isWflBundle	String	Is WFL Bundle	Y / N	
subrList -> isWflFbbOnly	String	Is WFL FBB only	Y / N	
subrList -> isSmtHome	String	Is Smart Home	Y / N	
subrList -> isMbb	String	Is MBB	Y / N	
subrList -> isNr	String	Is NR subscriber	Y / N	
subrList -> isBundle	String	Is bundle subscriber	Y / N	
subrList -> subrFaxNum	String	Fax number of subscriber		
subrList -> tagOnService	String	Tag-on Service name	ADDON ADDON_VOICE ADDON_BUNDLE ADDON_AWP ADD_NUM_1 ADD_NUM_2 ADD_NUM_3 ADD_NUM_4	
subrList -> isParent	String	Is parent subscriber	Y / N/ NULL	

subrList -> isAddOnNum	String	Is add-on number subscriber	Y / NULL	
subrList -> tagOnService2	String	Tag-on Service name2	ADDON ADDON_VOICE ADDON_BUNDLE ADDON_AWP ADD_NUM_1 ADD_NUM_2 ADD_NUM_3 ADD_NUM_4 A and etc	
subrList -> isParent2	String	Is parent subscriber2	Y / NULL	
subrList -> isAddOnNum2	String	Is add-on number2 subscriber	Y / NULL	
subrList -> isAppleWatch	String	Is AppleWatch	Y / N	
subrList -> rootParentCustNum	String	Root parent's customer number		
subrList -> rootParentSubrNum	String	Root parent's subscriber number		
subrList -> rootParentAcctNum	String	Root parent's account number		
subrList -> parentCustNum	String	Parent's customer number		
subrList -> parentSubrNum	String	Parent's subscriber number		
subrList -> parentAcctNum	String	Parent's account number		
subrList -> planCode	String	Plan code		
subrList -> planDesc	String	Plan description		
subrList -> planDescChi	String	Plan description Chinese		
subrList -> planAmt	String	Plan amount		
subrList -> planEffectiveDate	String	The monthly charge of the subscriber plan		
subrList -> hasGuarantor	String	Has guarantor of subscriber	Y / N	
subrList -> hasMgm	String	Has mgm of subscriber	Y / N	
subrList -> regAddrDistrict	String	Register Address District		
subrList -> regAddrArea	String	Register Address Area		
subrList -> billAddrDistrict	String	Billing Address District		
subrList -> billAddrArea	String	Billing Address Area		
subrList -> userContactNum	String	User's contact number		
subrList -> userContactNum2	String	User's evening contact number		
subrList-> userContactPerson	String	User's contact persona		
subrList -> ownerContactNum	String	Owner's contact number		
subrList -> ownerContactNum2	String	Owner's evening contact number		
subrList-> ownerContactPerson	String	Owner's contact person		
subrList -> custType	String	Customer type	PERS / BUSI	
subrList -> billDay	String	Bill cycle	5 / 7 / ...	
subrList -> caCode	String	Collection agency code		
subrList -> paymentMethod	String	Payment method	CARD / BANK / CASH	
subrList -> paymentMethodId	String	Payment method ID	1	

subrList -> paymentMethodDesc	String	Payment method desc	OTDD :OTHDD - Credit Card DD (HK)	
subrList -> lineCategory	String	Line category	M / I / H / F /	
subrList -> subrNature	String	Subscriber nature		
subrList -> subrRole	String	Subscriber role		
subrList -> subrOnDate	String	Subscriber on date	YYYY-MM-DD	
subrList -> subrOffDate	String	Subscriber off date	YYYY-MM-DD	
subrList -> subrOffReason	String	Subscriber reason		
subrList -> subrStatus	String	Subscriber status	OK / PE / SU / TX	
subrList -> acctStatus	String	Subscriber account status	OK / PE / SU / TX	
subrList -> splitCharge	String	Split charge	Y	
subrList -> seb	String	SEB	Y / N	
subrList -> portfolioId	String	Portfolio id for EPC subscriber		
subrList -> shkRegMobile	String	Register mobile for the point		
subrList -> weChatId	String	Wechat Id		
subrList -> divertCode	String	Divert code		
subrList -> sim	String	Sim #		
subrList -> imei	String	Imei #		
subrList -> imsi	String	Imsi #		
subrList -> dealerCode	String	Dealer code		
subrList -> childTopupAllowed	String	Child Top-up Allowed		
subrList -> primaryLine	String	Subscriber primary line		
subrList -> userId	String	Subscriber user ID		
subrList -> userName	String	Subscriber user name		
subrList -> writeOff	String	Account writeOff		
subrList -> printTag	String	Account printTag		
subrList -> billEmailRejectFlag	String	Account bill email reject flag		
subrList -> listenFlag	String	Account listen flag		
subrList -> contactOwnerComm	String	Contact owner communication (subscriber)		
subrList -> nationality	String	Owner nationality		
subrList -> companyName	String	User company name		
subrList -> position	String	User position		
subrList -> nspCustNum	String	Prepaid customer number applicable for HP+ only		
subrList -> nspAcctNum	String	Prepaid account number applicable for HP+ only		
subrList -> usrCustTitle	String	User customer title	MR / MS / MRS	Display if moreInfo = Y
subrList -> usrGender	String	User gender	F / M	Display if moreInfo = Y
subrList -> usrBirth	String	User date of birth	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> usrIdType	String	User ID type		Display if moreInfo = Y
subrList -> usrIDBR	String	User IDBR	Returned mask or encrypted value	Display if moreInfo = Y

subrList -> usrLang	String	User preferred language	C / E	Display if moreInfo = Y
subrList -> usrLName	String	User last name	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> usrFName	String	User first name	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> usrLNameChi	String	User last name Chinese	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> usrFNameChi	String	User first name Chinese	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> ownerCustTitle	String	Owner customer title	MR / MS / MRS /	Display if moreInfo = Y
subrList -> ownerGender	String	Owner gender	F / M	Display if moreInfo = Y
subrList -> ownerBirth	String	Owner date of birth	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> ownerIdType	String	Owner ID type		Display if moreInfo = Y
subrList -> ownerIDBR	String	Owner IDBR	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> ownerLang	String	Owner preferred language	C / E	Display if moreInfo = Y
subrList -> ownerLName	String	Owner last name	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> ownerFName	String	Owner first name	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> ownerLNameChi	String	Owner last name Chinese	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> ownerFNameChi	String	Owner first name Chinese	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> contactEmail	String	Contact email (user level)	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> billEmail	String	Billing email (owner level)	Returned mask or encrypted value	Display if moreInfo = Y
subrList -> ccOwnerIdType	String	3rd party credit card owner ID type		
subrList -> ccOwnerHkid	String	3rd party credit card owner HKID		
subrList -> pointMemberId	String	The point member ID		Display if moreInfo = Y
subrList -> crmLabel	String	CRM label by subscriber		Display if moreInfo = Y
subrList -> loyaltyMarker	String	Loyalty Marker		Display if moreInfo = Y

Success response

Return more information in bold purple when the request sets moreInfo = Y

```
{
  "resultCode": "0",
  "resultMsg": "SUCCESS",
  "custId": "AZ-12WN0",
  "subrList": [{
    "custNum": "85012345",
    "subrNum": "90123456",
    "acctNum": "85012345.0000001",
    "custTenureYr": "14",
    "custTenureMth": "5",
    "subrTenureYr": "3",
    "subrTenureMth": "5",
    "age": "40",
    "isAutopay": "Y",
    "isPostpaid": "Y",
    "isBirdies": "N",
    "isMvno": "N",
    "isPrepaid": "N",
    "isM1C2N": "N",
    "is1638Idd": "N",
    "isFbb": "N",
    "is5gbb": "Y",
    "isPostpaidHPP": "N",
    "isWfl": "N",
    "isWflBundle": "N",
    "isWflFbbOnly": "N",
    "isHomeTel": "N",
    "isSmtHome": "N",
    "isMbb": "N",
    "isNr": "Y",
    "isBundle": "N",
    "subrFaxNum": "",
    "tagOnService": "",
    "isParent": "",
    "isAddOnNum": "",
    "tagOnService2": "",
    "isParent2": "",
    "isAddOnNum2": "",
    "isAppleWatch": "N",
    "rootParentCustNum": "",
    "rootParentSubrNum": "",
    "rootParentAcctNum": "",
    "parentCustNum": "",
    "parentSubrNum": "",
    "parentAcctNum": "",
    "planCode": "3GBK",
    "planDesc": "$248 Smartphone 400MB Plan",
    "planDescChi": "$248 智能手機 400MB 計劃",
    "planAmt": "248",
    "planEffectiveDate": "2024-01-31",
    "hasGuarantor": "N",
    "hasMgm": "N",
    "regAddrDistrict": "KWUN TONG",
    "regAddrArea": "KLN",
    "billAddrDistrict": "KWUN TONG",
```

```

"billAddrArea": "KLN",
"userContactNum": "90112222",
"userContactNum2": "",
"userContactPerson": "Chan Man",
"ownerContactNum": "90112222",
"ownerContactNum2": "",
"ownerContactPerson": "Chan Man",
"custType": "PERS",
"billDay": "5",
"caCode": "",
"paymentMethod": "CARD",
"lineCategory": "M",
"subrNature": "",
"subrRole": "Owner is User",
"subrOnDate": "2020-01-29",
"subrOffDate": "",
"subrOffReason": "",
"subrStatus": "OK",
"acctStatus": "OK",
"splitCharge": "",
"seb": "Y",
"portfolioId": "",
"shkRegMobile": "",
"weChatId": "",
"divertCode": "EWA",
"sim": "898520123456879922",
"imei": "478520123456879922",
"imsi": "412420123456879922",
"dealerCode": "PIM3900000",
"childTopupAllowed": "",
"usrCustTitle": "MS",
"usrGender": "F",
"usrBirth": "2000-01-01", -- encrypted or masked value
"usrIdType": "I",
"usrIDBR": "E101101(8)", -- encrypted or masked value
"usrLang": "C",
"usrLName": "FUNG", -- encrypted or masked value
"usrFName": "CLAUDIA", -- encrypted or masked value
"usrLNameChi": "FUNG", -- encrypted or masked value
"usrFNameChi": "CLAUDIA", -- encrypted or masked value
"ownerCustTitle": "MS",
"ownerGender": "F",
"ownerBirth": "2000-01-01", -- encrypted or masked value
"ownerIdType": "I",
"ownerIDBR": "E101101(8)", -- encrypted or masked value
"ownerLang": "C",
"ownerLName": "FUNG", -- encrypted or masked value
"ownerFName": "CLAUDIA", -- encrypted or masked value
"ownerLNameChi": "FUNG", -- encrypted or masked value
"ownerFNameChi": "CLAUDIA", -- encrypted or masked value
"contactEmail": "CLAUDIA_FUNG@SMARTONE.COM", -- encrypted or masked value
"billEmail": "CLAUDIA_FUNG@SMARTONE.COM", -- encrypted or masked value
"ccOwnerIdType": "",
"ccOwnerHkid": "",
"pointMemberId": "",
"crmLabel": "AA",
"loyaltyMarker": "AA",
"primaryLine": "Y",

```

```

        "userId": "99456",
        "userName": "DavidChan",
        "writeOff": "",
        "printTag": "",
        "billEmailRejectFlag": "N",
        "listenFlag": "Y",
        "contactOwnerComm": "N",
        "nationality": "",
        "companyName": "",
        "position": "",
        "nspCustNum": "",
        "nspAcctNum": ""
    }}
}
Return basic information when the request sets moreInfo = N or not set moreInfo parameter
{
    "resultCode": "0",
    "resultMsg": "SUCCESS",
    "custId": "AZ-12WN0",
    "subrList": [{
        "custNum": "85012345",
        "subrNum": "90123456",
        "acctNum": "85012345.0000001",
        "isAutopay": "Y",
        "isPostpaid": "Y",
        "isBirdies": "N",
        "isMvno": "N",
        "isPrepaid": "N",
        "isM1C2N": "N",
        "is1638Idd": "N",
        "isFbb": "N",
        "is5gbb": "Y",
        "isPostpaidHPP": "N",
        "isWfl": "N",
        "isWflBundle": "N",
        "isWflFbbOnly": "N",
        "isHomeTel": "N",
        "isSmtHome": "N",
        "isMbb": "N",
        "isNr": "Y",
        "isBundle": "N",
        "subrFaxNum": "",
        "tagOnService": "",
        "isParent": "",
        "isAddOnNum": "",
        "tagOnService2": "",
        "isParent2": "",
        "isAddOnNum2": "",
        "isAppleWatch": "N",
        "rootParentCustNum": "",
        "rootParentSubrNum": "",
        "rootParentAcctNum": "",
        "parentCustNum": "",
        "parentSubrNum": "",
        "parentAcctNum": "",
        "planCode": "3GBK",
        "planDesc": "$248 Smartphone 400MB Plan",
    }]
}

```

```

    "planDescChi": "$248 智能手機 400MB 計劃",
    "planAmt": "248",
    "planEffectiveDate": "2024-01-31",
    "hasGuarantor": "N",
    "hasMgm": "N",
    "regAddrDistrict": "KWUN TONG",
    "regAddrArea": "KLN",
    "billAddrDistrict": "KWUN TONG",
    "billAddrArea": "KLN",
    "userContactNum": "90112222",
    "userContactNum2": "",
    "userContactPerson": "Chan Man",
    "ownerContactNum": "90112222",
    "ownerContactNum2": "",
    "ownerContactPerson": "Chan Man",
    "custType": "PERS",
    "billDay": "5",
    "caCode": "",
    "paymentMethod": "CARD",
    "lineCategory": "M",
    "subrNature": "",
    "subrRole": "Owner is User",
    "subrOnDate": "2020-01-29",
    "subrOffDate": "",
    "subrOffReason": "",
    "subrStatus": "OK",
    "acctStatus": "OK",
    "splitCharge": "",
    "seb": "Y",
    "portfolioId": "",
    "shkRegMobile": "",
    "weChatId": "",
    "divertCode": "EWA",
    "sim": "898520123456879922",
    "imei": "478520123456879922",
    "imsi": "412420123456879922",
    "dealerCode": "PIM3900000",
    "childTopupAllowed": "",
    "ccOwnerIdType": "",
    "ccOwnerHkid": "",
    "primaryLine": "Y",
    "userId": "99456",
    "userName": "DavidChan",
    "writeOff": "",
    "printTag": "",
    "billEmailRejectFlag": "N",
    "listenFlag": "Y",
    "contactOwnerComm": "N",
    "nationality": "",
    "companyName": "",
    "position": "",
    "nspCustNum": "",
    "nspAcctNum": ""
  }
}

```

Fail response

```
Customer Account Not Found
{
  "resultCode": "-1",
  "resultMsg": "Contact record not found "
}
Invalid input parameter combination used in the request
{
  "resultCode": "-3",
  "resultMsg": "Invalid input parameter combination used"
}
```

Abnormal Behaviour

Details	
Level of Severity	Low
Timeout	3 minutes
Type	Alert
Error Message	TIMEOUT ERROR (ICP API – EnqPersonaAttr) : Call IS_NEWCRM_SUPPORT team.
Frequency	Happen 3 times within 10 minutes for the same error pattern - TIMEOUT ERROR (ICP API – EnqPersonAttr)
Responsible Team	IS_NEWCRM_SUPPORT

Loyalty Marker Tier

Code	Description	eCardCode
A	PPP	PP Premium
B	PP	PP
C	PPP	PP Premium
D	PP	PP
E	Plus	Plus
T	PP	PP
X	PPP	PP Premium
Y	PP	PP
Z	PPP	PP Premium
M	Classic	Classic
F	Classic	Classic
H	Classic	Classic
G	Classic	Classic
N	Plus	Plus
R	Plus	Plus
S	Plus	Plus
I	Classic	Classic
K	Classic	Classic
L	Plus	Plus
O	PP	PP
P	PPP	PP Premium
U	Plus	Plus
V	PPP	PP Premium
W	PP	PP
MA	PPP	PP Premium
MB	PP	PP
MR	Plus	Plus
MM	Classic	Classic
NonPP		

2. Get Contact Information

Purpose

Get contact information

Production Endpoints: TBC

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

API: /contactInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWI4MGNIWDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkliwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
contactId	String	Contact ID	1-ABC	Search contact using contact ID (Optional)
custNum	String	Customer Number	01234567	Optional
subrNum	String	Subscriber Number	91234567	Optional
accountNum	String	Account Number	01234567.00001	Optional
contactType	String	Contact Type	OWNER_CONT USER_CONT GUARANTOR_CONT COMM_CONT	Optional

Request Combination

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

idbr	contactId	custNum	subrNum	accountNum	contactType	Response
Null	Y	Null	Null	Null	Null	Get contact information by contactId
Null	Null	Y	Null	Null	Y (OWNER_CONT)	Get owner contact information
Null	Null	Y/Null	Y	Null	Y	Get any kind of contact information of the latest subscriber
Null	Null	Y	Y	Y	Y	Get any kind of contact information of the subscriber

Sample Request

Get contact by contactId

```
{
  "requesterId": "ManChan",
  "contactId": "1-ABC"
}
```

Get owner contact by custNum and contactType

```
{
  "requesterId": "ManChan",
  "custNum": "01234567",
  "contactType": "OWNER_CONT"
}
```

Get user contact by custNum, subrNum and contactType

```
{
  "requesterId": "ManChan",
  "CustNum": "01234567",
  "subrNum": "91234567",
  "contactType": "USER_CONT"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success 100 – Fail	
resultMsg	String	Return Error Code		
contact	Json object			See appendix Contact Record

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success 100 – Fail	
resultMsg	String	Return Error Code		
custNum	String	Customer Number		Display only when searching by custNum /subrNum/acctNum
subrNum	String	Subscriber Number		
accountNum	String	Account Number		
contact	Json object			See appendix Contact Record

Sample Response

Success response	HTTP response code: 200
Fail response	HTTP response code: 500 (with error message)

Success response

```
{
  "resultCode": 0,
  "resultMsg": "SUCCESS",
  "custNum": "01234567",
  "subrNum": "91234567",
  "accountNum": "01234567.00001",
  "contact": {
    "contactId": "1-ABC",
    "custTitle": "Mr",
    "lastName": "xxxxxxxxxxxxxxxx", -- Encrypted Chan
    "firstName": "xxxxxxxxxxxxxxxx", -- Encrypted Tai Man
    "fullName": "xxxxxxxxxxxxxxxx", -- Encrypted Chan Tai Man
    "lastNameChi": "xxxxxxxxxxxxxxxx", -- Encrypted 陳
    "firstNameChi": "xxxxxxxxxxxxxxxx", -- Encrypted 大文
    "fullNameChi": "xxxxxxxxxxxxxxxx", -- Encrypted 陳大文
    "lastNameChiCode": "xxxxxxxxxxxxxxxx", -- "1234"
    "firstNameChiCode": "xxxxxxxxxxxxxxxx", -- "5678 9874"
    "gender": "xxxxxxxxxxxxxxxx", -- "M"
    "birth": "xxxxxxxxxxxxxxxx", -- Encrypted 1999-12-20
    "IdTypeCode": "I",
    "idbr": "xxxxxxxxxxxxxxxx", -- Encrypted A123456(7)
    "idbrFull": "xxxxxxxxxxxxxxxx", -- Encrypted A123456(7)
    "seriesOfSymbol": "xxAZ",
    "contactNum": "xxxxxxxxxxxxxxxx", -- Encrypted 91234567
    "contactNum2": "xxxxxxxxxxxxxxxx", -- Encrypted 21234567
  }
}
```

```

    "contactPerson": "xxxxxxxxxxxxxxxx", -- "Chan Tai Man"
    "faxNum": "xxxxxxxxxxxx", -- "21234567"
    "attention": "xxxxxxxx", -- "Chan Tai Man"
    "commLangCode": "C",
    "nationality": "CHINA",
    "companyName": "",
    "position": "",
    "industryCode": "",
    "createdDate": "2020-09-01 09:01:00",
    "lastUpdatedDate": "2020-09-02 09:02:00",
    "createdBy": "PeterChan",
    "lastUpdatedBy": "PeterChan"
  }
}

```

Fail response

```

Customer Account Not Found
{
  "resultCode": "-1",
  "resultMsg": "Contact record not found "
}
Invalid input parameter combination used in the request
{
  "resultCode": "-3",
  "resultMsg": "Invalid input parameter combination used"
}

```

3. Get Address Information

Purpose

Get address Information for different kinds of address types, for example, billing address

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: /addressInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWI4MGNIWDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkliwiaCI6Im11cm11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
addressId	String	Address Id	2-ABC	Optional
custId	String	Unique Customer ID	0-ABC	Optional
addressType	String	Address type	BILL_ADDR CONTACT_ADDR GUARANTOR_ADDR COMM_ADDR DELIVERY_ADDR BILL_ADDR,COMM_ADDR (Use comma as delimiter)	Optional (Search by subrNum supports multiple types)
custNum	String	Customer Number	01234567	Optional
subrNum	String	Subscriber Number	91234567	Optional
accountNum	String	Account Number	01234567 .00001	Optional
encrypted	String	An option to ignore encrypted request/response parameters by setting value N	N – not encrypted	Optional

Request Combination

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

addressId	custId	addressType	custNum	subNum	accountNum	Response
Y	Null	Null	Null	Null	Null	Get address Information by address ID
Null	Y	Y (DELIVERY_ADDR)	Null	Null	Null	Get address Information by cust ID and type
Null	Null	Y (BILL_ADDR)	Y	Null	Null	Get billing address Information
Null	Null	Y	Null /Y	Y	Null	Get any kind of address information of the latest subscriber
Null	Null	Y	Y	Y	Y	Get any kind of address information of the subscriber

Sample Request

```

Get address information by Id
{
    "requesterId": "ManChan",
    "addressId": "2-ABC"
}
Get customer's address by custId, type
{
    "requesterId": "ManChan",
    "custID": "0-ABC",
    "addressType": "DELIVERY_ADDR"
}
Get billing address by custNum and type
{
    "requesterId": "ManChan",
    "custNum": "01234567 ",
    "subNum": "",
    "addressType": "BILL_ADDR"
}
Get contact address by custNum, subNum and type
{
    "requesterId": "ManChan",
    "custNum": "01234567 ",
    "subNum": "91234567",
    "addressType": "BILL_ADDR,COMM_ADDR"
}

```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success 100 – Fail	
resultMsg	String	Return Error Code		
custNum	String	Customer Number	01234567	Display Only when searching by custNum /subrNum/acctNum
subrNum	String	Subscriber Number	91234567	
accountNum	String	Account Number	01234567 .00001	
addressList	Json object array			See appendix Address Record

Sample Response

Success response	HTTP response code: 200
Fail response	HTTP response code: 500 (with error message)

Success response

```
{
  "resultCode": "0",
  "resultMsg": "SUCCESS",
  "custNum": "01234567",
  "subrNum": "91234567",
  "accountNum": "01234567 .00001",
  "addressList": [{
    "addressId": "2-ABC",
    "addressType": "COMM_ADDR",
    "flat": "xxxxxxxxxxxx", -- "3",
    "flatDesc": "xxxxxxxxxxxx", -- "Flat",
    "floor": "xxxxxxxxxxxx", -- "27",
    "floorDesc": "xxxxxxxxxxxx", -- "Floor",
    "block": "xxxxxxxxxxxx", -- "2",
    "blockDesc": "xxxxxxxxxxxx", -- "Block",
    "building": "xxxxxxxxxxxx", -- "Millennium Tower",
    "estate": "xxxxxxxxxxxx", -- "Kwun Tong",
    "streetNo": "xxxxxxxxxxxx", -- "378 ",
    "street": "xxxxxxxxxxxx", -- "Kwun Tong Road",
    "lot": "s",
    "district": "xxxxxxxxxxxx", -- "Kwun Tong",
    "area": "xxxxxxxxxxxx", -- "KLN",
    "flatChi": "xxxxxxxxxxxx", -- "3",
    "flatDescChi": "xxxxxxxxxxxx", -- "Flat",
    "floorChi": "xxxxxxxxxxxx", -- "27",
    "floorDescChi": "xxxxxxxxxxxx", -- "Floor",
    "blockChi": "xxxxxxxxxxxx", -- "2",
    "blockDescChi": "xxxxxxxxxxxx", -- "Block",
    "buildingChi": "xxxxxxxxxxxx", -- "Millennium Tower",
    "estateChi": "xxxxxxxxxxxx", -- "Kwun Tong",
    "streetNoChi": "xxxxxxxxxxxx", -- "378 ",
    "streetChi": "xxxxxxxxxxxx", -- "Kwun Tong Road",
    "lotChi": "",
    "districtChi": "xxxxxxxxxxxx", -- "Kwun Tong",
  ]
}
```

```

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

```

```
}
PS: if request parameter with encrypted = N, all the above-mentioned encrypted response parameters are not encrypted
```

Fail response

```
Customer Account Not Found
{
    "resultCode": "-3",
    "resultMsg": "Address record not found "
}
Invalid input parameter combination used in the request
{
    "resultCode": "-1",
    "resultMsg": "Invalid input parameter combination used"
}
```


4. Get Subscriber Attributes

Purpose

Get subscriber attributes of the subscriber; for example, BM Corporate attribute 1-24

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: /subrAttr

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWl4MGNIWDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
custNum	String	Customer Number	012345678	Required field
subrNum	String	Subscriber Number	91234567	Required field
accountNum	String	Account Number	012345678.0001	Optional
attrGroup	String	Attribute Group of subscriber attributes	corpAttr StaffInfo	Required field

Request Combination

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

custNum	subrNum	accountNum	attrGroup	Response
Y	Y	NULL	Y	Get attributes of the latest subscriber
Y	Y	Y	Y	Get attributes of the subscriber

Sample Request

```
// Get BM corporate attributes by subscriber
{
    "requesterId": "ManChan",
    "custNum": "012345678",
    "subrNum": "91234567",
    "attrGroup": "corpAttr"
}
//Get reference ID and reference name
{
    "requesterId": "ManChan",
    "custNum": "012345678",
    "subrNum": "91234567",
    "attrGroup": "StaffInfo"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success 100 – Fail	
resultMsg	String	Return Error Code		
custNum	String	Customer number		
subrNum	String	Subscriber number		
accountNum	String	Account number		
subscriberAttribute	Json object			See appendix Subscriber Attribute Record

Sample Response

Success response	HTTP response code: 200
Fail response	HTTP response code: 500 (with error message)

Success Response

```
// Get BM corporate attributes by subscriber
{
  "resultCode": 0,
  "resultMsg": "SUCCESS",
  "custNum": "012345678",
  "subNum": "91234567",
  "accountNum": "012345678.001",
  "subscriberAttribute": {
    "reclId": "A-445782",
    "subId": "X-347432",
    "attrGroup": "corpAttr",
    "indexedAttr": "BM",
    "attr01": "",
    "attr02": "CS",
    "attr03": "",
    "attr04": "15056",
    "attr05": "XXXXXXXX@XXX.com",
    "attr06": "",
    "attr07": "",
    "attr08": "",
    "attr09": "",
    "attr10": "",
    "attr11": "",
    "attr12": "",
    "attr13": "",
    "attr14": "",
    "attr15": "",
    "attr16": "",
    "attr17": "",
    "attr18": "",
    "attr19": "",
    "attr20": "",
    "attr21": "",
    "attr22": "",
    "attr23": "",
    "attr24": "",
    "createdDate": "2022-05-26 13:31:53",
    "createdBy": "ManChan",
    "lastUpdatedDate": "2022-11-05 10:51:35",
    "lastUpdatedBy": "ManChan"
  }
}

//Get reference ID and reference name
{
  "resultCode": 0,
  "resultMsg": "SUCCESS",
  "custNum": "012345678",
  "subNum": "91234567",
  "accountNum": "012345678.001",
  "subscriberAttribute": {
    "reclId": "A-445781",
    "subId": "X-347433",
    "attrGroup": "StaffInfo",
    "indexedAttr": "StaffInfo",
```

```
"attr01": "PeterChan",  
"attr02": "123456",  
"attr03": "",  
"attr04": "",  
"attr05": "",  
"attr06": "",  
"attr07": "",  
"attr08": "",  
"attr09": "",  
"attr10": "",  
"attr11": "",  
"attr12": "",  
"attr13": "",  
"attr14": "",  
"attr15": "",  
"attr16": "",  
"attr17": "",  
"attr18": "",  
"attr19": "",  
"attr20": "",  
"attr21": "",  
"attr22": "",  
"attr23": "",  
"attr24": "",  
"createdDate": "2022-05-26 13:31:53",  
"createdBy": "ManChan",  
"lastUpdatedDate": "2022-11-05 10:51:35",  
"lastUpdatedBy": "ManChan"  
}  
}
```

Fail response

```
Subscriber Not Found  
{  
  "resultCode": "-1",  
  "resultMsg": "Subscriber record not found "  
}
```

5. Get Customer Communication Channel Info

Purpose

Get Customer Communication Channel Info

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: /enqCustCommChannel

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWl4MGNIWDE1NTUuLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity	username	Required field
custId	String	Customer Id	1-SADOFIASJ	Optional
email	String	Customer email	test@smartone.com (encrypted value)	Optional Encrypted
custNum	String	Customer Number	00823135	Optional
subrNum	String	Subscriber Number	90802070	Optional
accountNum	String	Account Number	00823135.000000001	Optional
channelCode	String	Specific communication channel code for query	Values SPEC-E NEWS-E FUN-E (See appendix Communication Channel Mapping)	Optional Return specific communication channel information. Return all information when empty string
encrypted	String	An option to ignore encrypted request/response parameters by setting value N	N – not encrypted	Optional

Request Combination

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

custId	Email	custNum	subrNum	accountNum	channelCode	Behaviour
Y	Null	Null	Null	Null	Y	Get opt-in/out of ECOMM-NEW for online account (non-SMC customer) only
Null	Y	Null	Null	Null	Y	Not applicable for the rest of 40 communications for SMC customer
Null	Null	Y	Y	Null / Y	Null	Get communication channel record which related to subscriber record
Null	Null	Y	Y	Null / Y	Y	Get communication channel record which related to subscriber and channel
Null	Null	Null	Y	Null	Y	Get communication channel record which related to subscriber record

Sample Request

Get Communication Channel information of "ECOMM-NEW" under customer record "1-OSDIAJFA"

```
{
  "requesterID" : "ESTORE",
  "custId" : "1-OSDIAJFA",
  "email" : "",
  "custNum" : "",
  "subrNum" : "",
  "accountNum" : "",
  "channelCode" : "ECOMM-NEW"
}
```

Get Communication Channel information of "ECOMM-NEW" under customer record "tester@smartone.com"

```
{
  "requesterID" : "ESTORE",
  "custId" : "",
  "email" : "xxxxxxxxxxxxxxxxxxxxxxx", -- Encrypted tester@smartone.com
  "custNum" : "",
  "subrNum" : "",
  "accountNum" : "",
  "channelCode" : "ECOMM-NEW"
}
```

Get Communication Channel information of "SPEC-E" under subscriber number "92020303"

```
{
  "requesterID" : "ESTORE",
  "custId" : "",
  "email" : "",
}
```

```

    "custNum": "023415412",
    "subrNum": "92020303",
    "accountNum": "",
    "channelCode": "SPEC-E"
}
Get all Communication Channel info under subscriber record of "023415412.0000001"
{
    "requesterID": "ESTORE",
    "custId": "",
    "email": "",
    "custNum": "",
    "subrNum": "",
    "accountNum": "023415412.0000001",
    "channelCode": ""
}
Option not to encrypted request parameters
{
    "requesterID": "ESTORE",
    "custId": "",
    "email": "tester@smartone.com", --not Encrypted tester@smartone.com
    "custNum": "",
    "subrNum": "",
    "accountNum": "",
    "channelCode": "ECOMM-NEW",
    "encrypted": "N"
}

```

Response Parameters

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

Success response

Success result and get "SPEC-E" in the request only

```
{
  "resultCode": 0,
  "resultMsg": "SUCCESS",
  "commChannelId": "1-SZDFIKJH",
  "commChannel": [
    {
      "channelCode": "SPEC-E",
      "channelDesc": "Special Offers (Email)",
      "optInFlag": "Y"
    }
  ]
}
```

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

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



```

    },
    {
      "channelCode" : "COMM-E",
      "channelDesc" : "Communication and Internet (Email)",
      "optInFlag" : "Y"
    },
    {
      "channelCode" : "RET-E",
      "channelDesc" : "Retention Offer (Email)",
      "optInFlag" : "Y"
    }
  ]
}

```

PS: if request parameter with encrypted = N, all the above-mentioned encrypted response parameters are not encrypted

Found related customer / subscriber record, but specific communication channel record is not found

```

{
  "resultCode" : 0,
  "resultMsg" : "SUCCESS",
  "commChannelId" : "1-SZDFIKJH"
  "commChannel" : []
}

```

Fail response

Subscriber Not Found

```

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

```

6. Get Guarantor Information

Purpose

Get guarantor information of the subscriber for SMC customer that is NOT applicable for BIRDIES, MVNO and Prepaid Service

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: /guarantorInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmcjOiI2NGY2Y2I1ZmFiYzRhYWI4MGNIZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
custNum	String	Customer Number	012345678	Get Guarantor Information by subscriber
subrNum	String	Subscriber Number	91234567	

Request Combination

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

custNum	subrNum	Response
Y	Y	Get Guarantor Information by subscriber

Sample Request

```
{
  "requesterId": "ManChan",
  "CustNum": "012345678",
  "SubrNum": "91234567"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success -1 – Fail	
resultMsg	String	Return Error Code		
custNum	String	Customer number		
accountNum	String	Account number		
subrNum	String	Subscriber number		
guarantorStartDate	String	Guarantor Start Date		
guarantorExpireDate	String	Guarantor Expire Date		
contact	Json object	Contact Information of guarantor		See appendix
address	Json object	Address Information of guarantor		See appendix

Sample Response

Success response	HTTP response code: 200
Fail response	HTTP response code: 500 (with error message)

Success response

```
{
  "resultCode": 0,
  "resultMsg": "SUCCESS",
  "custNum": "012345678",
  "accountNum": "012345678.0001",
  "subrNum": "91234567",
  "guarantorStartDate": "2020-09-10 14:00:00",
  "guarantorExpireDate": "2021-09-09 13:59:59",
  "contact": {
    "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": "xxxxxxxxxxxxxxxx", -- "5678 9874"
"gender": "xxxxxxxxxxxxxxxx", -- "M"
"birth": "xxxxxxxxxxxxxxxx", -- Encrypted 1999-12-20
"IdTypeCode": "I",
"idbr": "xxxxxxxxxxxxxxxx", -- Encrypted A123456(7)
"seriesOfSymbol": "xxAZ",
"contactNum": "xxxxxxxxxxxxxxxx", -- Encrypted 91234567
"contactNum2": "xxxxxxxxxxxxxxxx", -- Encrypted 21234567
"contactPerson": "xxxxxxxxxxxxxxxx", -- "Chan Tai Man"
"faxNum": "xxxxxxxxxxxxxxxx", -- "21234567"
"attention": "xxxxxxxxxx", -- "Chan Tai Man"
"commLangCode": "C",
"nationality": "Chinese",
"fullName": "xxxxxxxxxxxxxxxx", -- " Chan Tai Man"
"fullNameChi": "xxxxxxxxxxxxxxxx", -- "陳大文"
"createdDate": "2020-09-01 09:01:00",
"lastUpdatedDate": "2020-09-02 09:02:00",
"createdBy": "PeterChan",
"lastUpdatedBy": "PeterChan"
},
"address": {
  "addressID": "2-ABC",
  "addressType": "Billing Address",
  "flat": "xxxxxxxxxxxxxxxx", -- "3",
  "flatDesc": "xxxxxxxxxxxxxxxx", -- "Flat",
  "floor": "xxxxxxxxxxxxxxxx", -- "27",
  "floorDesc": "xxxxxxxxxxxxxxxx", -- "Floor",
  "block": "xxxxxxxxxxxxxxxx", -- "2",
  "blockDesc": "xxxxxxxxxxxxxxxx", -- "Block",
  "building": "xxxxxxxxxxxxxxxx", -- "Millennium Tower",
  "estate": "xxxxxxxxxxxxxxxx", -- "Kwun Tong",
  "streetNo": "xxxxxxxxxxxxxxxx", -- "378 ",
  "street": "xxxxxxxxxxxxxxxx", -- "Kwun Tong Road",
  "lot": "s",
  "district": "xxxxxxxxxxxxxxxx", -- "Kwun Tong",
  "area": "xxxxxxxxxxxxxxxx", -- "KLN",
  "flatChi": "xxxxxxxxxxxxxxxx", -- "3",
  "flatDescChi": "xxxxxxxxxxxxxxxx", -- "Flat",
  "floorChi": "xxxxxxxxxxxxxxxx", -- "27",
  "floorDescChi": "xxxxxxxxxxxxxxxx", -- "Floor",
  "blockChi": "xxxxxxxxxxxxxxxx", -- "2",
  "blockDescChi": "xxxxxxxxxxxxxxxx", -- "Block",
  "buildingChi": "xxxxxxxxxxxxxxxx", -- "Millennium Tower",
  "estateChi": "xxxxxxxxxxxxxxxx", -- "Kwun Tong",
  "streetNoChi": "xxxxxxxxxxxxxxxx", -- "378 ",
  "streetChi": "xxxxxxxxxxxxxxxx", -- "Kwun Tong Road",
  "lotChi": "",
  "districtChi": "xxxxxxxxxxxxxxxx", -- "Kwun Tong",
  "areaChi": "xxxxxxxxxxxxxxxx", -- "KLN",
  "addrLine1": "xxxxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
  "addrLine2": "xxxxxxxxxxxxxxxx", -- Encrypted 378 Kwun Tong Road, Kwun Tong, KLN
  "addrLine1Chi": "xxxxxxxxxxxxxxxx", -- Encrypted 27/Floor, Millennium Tower 2
  "addrLine2Chi": "xxxxxxxxxxxxxxxx", -- 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"  
    }  
}
```

Fail response

```
Customer Account Not Found  
{  
    "resultCode": "-1",  
    "resultMsg": "Contact record not found "  
}  
Invalid input parameter combination used in the request  
{  
    "resultCode": "-3",  
    "resultMsg": "Invalid input parameter combination used"  
}
```

7. Get Email Information

Purpose

Get email Information for different kinds of email types for postpaid number.

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: /emailInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWY1MGNIWDE1NTUuLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
custNum	String	Customer Number	012345678	
subrNum	String	Subscriber Number	91234567	
emailType	String	Email Type	BILL_EMAIL CONTACT_EMAIL TOPUP_EMAIL	Required field
moreInfo	String	Display additional information - Tag-on service (It's applicable only for emailType = CONTACT_EMAIL)	Y – display additional information N or null – not display	

Request Combination

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

custNum	subrNum	emailType	Response
Y	Y/N	BILL_EMAIL	Get billing email Information
Y	Y	CONTACT_EMAIL	Get contact email information of user by active subscriber
Y	Y	TOPUP_EMAIL	Get top-up email information of user by subscriber

Sample Request

```

Enquire billing email by customer
{
    "requesterId": "ManChan",
    custNum : "012345678",
    emailType: "BILL_EMAIL"
}

Enquire user contact email by customer & subscriber number with moreInfo = Y
{
    "requesterId": "ManChan",
    custNum : "012345678",
    subrNum : "91234567",
    emailType: "CONTACT_EMAIL"
    moreInfo: "Y"
}

Enquire top-up email by customer & subscriber number
{
    "requesterId": "ManChan",
    custNum : "012345678",
    subrNum : "91234567",
    emailType: "TOPUP_EMAIL"
}

```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success -1 – Fail	
resultMsg	String	Return Error Code		
custNum	String	Customer number		
accountNum	String	Account number		
subrNum	String	Subscriber number		
emailType	String	Email Type	BILL_EMAIL CONTACT_EMAIL TOPUP_EMAIL	
email	String	Email address		encrypted
emailPreferLang	String	Preference Language	C – Chimese E – English M - Mandarin I – Indonesian P – Filipino	
receiveTopupEmailFlag	String	Receive top-up email Flag	Y – receive top-up email N – not receive	
childLv12List	Json object	Sub List		
childLv12List - > custNum	String	Customer number of sub number		
childLv12List - > accountNum	String	Account number of sub number		
childLv12List - > subrNum	String	Subscriber number of sub number		
childLv12List -> email	String	Email of sub number		encrypted
childLv12List -> emailPreferLang	String	Preference Language of sub number	C – Chimese E – English M - Mandarin I – Indonesian P – Filipino	
childLv12List -> tagonCode	String	Tag-on code (Refer to om_gnv_tag_on_map.tag _on_code)		
childLv12List -> childLv13List	Json object	Sub-sub list		
childLv13List - > custNum	String	Customer number of sub- sub number		
childLv13List - > accountNum	String	Account number of sub- sub number		
childLv13List - > subrNum	String	Subscriber number of sub-sub number		
childLv13List -> email	String	Email of sub number		encrypted
childLv13List -> emailPreferLang	String	Preference Language of sub-sub number	C – Chimese E – English M - Mandarin I – Indonesian	

			P – Filipino	
childLv13List -> tagonCode	String	Tag-on code (Refer to om_gnv_tag_on_map.tag _on_code)		

Sample Response

Success response	HTTP response code: 200
Fail response	HTTP response code: 500 (with error message)

Success response

```

Enquiry billing email by customer
{
  resultCode: "0",
  resultMsg: "SUCCESS",
  custNum: "09128058",
  subrNum: "",
  accountNum: "",
  emailType: "BILL_EMAIL",
  email: "rdwewsdwerwerwerwe", --encrypted
  emailPreferLang: "E"
}
Enquiry user contact email by customer & subscriber number with moreInfo = Y
{
  resultCode: "0",
  resultMsg: "SUCCESS",
  custNum: "09128058",
  subrNum: "92828107",
  accountNum: "09128058.00001",
  emailType: "CONTACT_EMAIL",
  email: "rdwewsdwerwerwerwe", --encrypted
  emailPreferLang: "E",
  childLv12List: [
    {
      custNum: "09128058",
      subrNum: "92828106",
      accountNum: "09128058.00002",
      email: "xdwerwewerwerwerwe", --encrypted
      emailPreferLang: "C",
      tagonCode: "ADDON_VOICE",
      childLv13List: [
        {
          custNum: "09128058",
          subrNum: "92828105",
          accountNum: "09128058.00003",
          email: "sdwerwerwerwewewsdwfer", --encrypted
          emailPreferLang: "E",
          tagonCode: "ADD_NUM_1"
        }
      ]
    }
  ]
}

```

```

    ]
}

Enquire top-up email by customer & subscriber number
{
  resultCode: "0",
  resultMsg: "SUCCESS",
  custNum: "09128058",
  subrNum: "92828107",
  accountNum: "09128058.00001",
  emailType: "TOPUP_EMAIL",
  email: "rdwewsdwerwerwerwe", --encrypted
  emailPreferLang:"E",
  receiveTopupEmailFlag:"Y"
}

```

Fail response

```

Customer Account Not Found
{
  "resultCode": "-1",
  "resultMsg": "Email record not found "
}

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

```

8. Get Masked Payment Details

Purpose

Get the masked payment details by bank or by credit card for postpaid and prepaid services.

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: /maskedPayDtl

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWl4MGNIWDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
custNum	String	Customer Number	012345678	Required field
isMasked	String	Mask the 3 return fields or not debtorIdType1 debtorIdType2 ccOwnerHkid	Y/Null – masked N – not masked but encrypted	

Sample Request

```
Enquiry by customer number
{
  "requesterId": "ManChan",
  "custNum": "012345678"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	See the below table	
resultMsg	String	Return Error Message		
paymentMethod	String	Payment Method	CASH CARD BANK	
paymentMethodId	String	Payment Method ID		
paymentMethodDesc	String	Payment Method Description		
bankAcHolder	String	Masked bank account holder		
bankAcNum	String	Masked bank account number		
bankCode	String	Bank code		
bankName	String	Bank name		
debtorIdType1	String	Debtor ID Type (1)		
debtorIdTypeDesc1	String	Debtor ID Type Description (1)		
debtorId1	String	Masked debotor ID (1)		
debtorIdType2	String	Debtor ID Type (2)		
debtorIdTypeDesc2	String	Debtor ID Type Description (2)		
debtorId2	String	Masked debotor ID (2)		
debitLimit	String	Debit limit		
bankBranchNum	String	Bank branch number		
cardNum	String	Masked card number		
cardHolder	String	Masked card holder		
cclIssueBank	String	Card issue bank		
expiryDate	String	Masked card expiry date		
ccOwnerIdType	String	Third party owner ID type		
ccOwnerIdHkid	String	Masked third party owner		

Result Code

Result Code	Severity	Description
0	N/A	Success
-1	N/A	Missing input parameter
-2	N/A	Invalid customer number
-3	N/A	Masked payment detail is not found

Success response

```
{
  resultCode: "0",
  resultMsg: "SUCCESS",
  paymentMethod: "CARD",
  paymentMethodId: "15",
  paymentMethodDesc: "MC :Credit Card auto pay (MASTERCARD)",
  bankAcHolder: "",
  bankAcNum: "",
  bankCode: "",
  bankName: "",
  debtorIdType1: "",
  debtorIdTypeDesc1: "",
  debtorId1: "",
  debtorIdType2: "",
  debtorIdTypeDesc2: "",
  debtorId2: "",
  debitLimit: "",
  bankBranchNum: "",
  cardNum: "543123XXXXXX012345",
  cardHolder: "FUNGXXXXX",
  ccIssueBank: "HSBC",
  expiryDate: "20XXXX",
  ccOwnerIdType: "I",
  ccOwnerIdHkid: "XXXXXXXXXX"
}
```

Fail response

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

9. Get LoginNow Information

Purpose

Get LoginNow Information for the subscriber (refer to OM_SUBR_INFO.GetLoginNowInfo packages)

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: /loginNowInfo

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcpciOiI2NGY2Y2I1ZmFiYzRhYWl4MGNIWDE1NTUilLCjZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkliwiaCl6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custNum	String	Customer Number	012345678	Required field
subNum	String	Subscriber number	91234567	Required field
Mask	String	Return masked or encrypted IDBR field	Y – mask N or NULL - encrypted	

Sample Request

```
Enquiry by customer, subscriber number
{
    custNum : "012345678",
    subNum : "91234567"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success -1 – Fail	
resultMsg	String	Return Error Code		
userType	String	User type for loginNow		
authorizedHKID	String	Authorized HKID for loginNow		Mask or encrypted
ownerMobileList	Json Array of Json object	Array list of subscriber number for loginNow		
ownerMobileList - > subrNumber	String	subscriber number		
ownerContactList - > contactNumber	String	Owner contact number list		

Sample Response

Success response	HTTP response code: 200
Fail response	HTTP response code: 500 (with error message)

Success response

```
{
  resultCode: "0",
  resultMsg: "SUCCESS",
  userType: "2",
  authorizedHKID: "E101101(5)", // mask or encrypted value
  ownerMobileList: [
    {
      subrNumber: "92828106",
    }, {
      subrNumber: "92828106",
    }
  ],
  ownerContactList: [
    {
      contactNumber: "60123456",
    }, {
      contactNumber: "31234567",
    }
  ]
}
```

Fail response

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


10. Get Plan Available

Purpose

Get plan available to derive plan category and network based on the input postpaid / prepaid rate plan

[Ref: cs_rate_plan.get_plan_available or csp_rate_plan.get_plan_available]

[Ref: cs_rate_plan.get_networktype and csp_rate_plan.get_networktype]

Interface Details

Production Endpoints: TBC

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

API: /getPlanAvailable

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2l1ZmFiYzRhYWI4MGNIZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiIMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
planCode	String	Plan Code	3GAAB	Required field

Sample Request

Enquiry by customer, subscriber number

```
{
  "planCode" : "3GAAB"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	0 – Success -1 – Fail	
resultMsg	String	Return Error Code		
planAvailableDesc1	String	Plan available description (1)		
planAvailableDesc2	String	Plan available description (2)		
planCategory	String	Concatenate plan available description (1) & (2)		
networkType	String	Network type	G – mobile R – 1638 C – 138	

Sample Response

Success response	HTTP response code: 200
Fail response	HTTP response code: 500 (with error message)

Success response

```
{
  "resultCode": "0",
  "resultMsg": "SUCCESS",
  "planAvailableDesc1": "Mass Plan(A),Corp Plan(A),Corp Normal Plan(C)",
  "planAvailableDesc2": "Employee or Demo (A)"
  "planCategory": "Mass Plan(A),Corp Plan(A),Corp Normal Plan(C),Employee or Demo (A)",
  "networkType": "G"
}
```

Fail response

```
{
  "resultCode": "-1",
  "resultMsg": "Missing input parameter"
}
{
  "resultCode": "-2",
  "resultMsg": "Invalid plan code"
}
```

11. Get Account Details

Purpose

Get the customer account details including owner email and billing address for postpaid and prepaid accounts

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: /accountDetail

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWY4MGNIZDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkliwiaCI6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
requesterId	String	API Requester Identity		Required field
custNum	String	Customer Number	012345678	Required field
moreInfo	String	Display personal information	Y – display N or null – not display	
mask	String	Masked or encrypted	Y - masked N or null – encrypted	

Sample Request

```
Enquire by customer account
{
  "requesterId": "ManChan",
  "custNum": "012345678",
  "moreInfo": "Y",
  "mask": "Y"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Result code	See result code table	
resultMsg	String	Result message		
serviceType	String	Service Type	PREPAID POSTPAID	
custIdentity	String	Customer Id		
custType	String	Customer type		
caCode	String	Collection agent code		
billDay	String	Bill day of the account		
divertCode	String	Divert code of the account		
paymentMethod	String	Payment method of the account		
paymentMethodId	String	Payment method id		
paymentMethodDesc	String	Payment method description		
paymentIdentity	String	Payment identity		
loginNowInd	String	LoginNow indicator		
printTag	String	Print tag of the account		
billEmailRejectFlag	String	Bill email reject flag of the account		
listenFlag	String	Listen flag of the account		
receiveSmcCommFlag	String	Receive SMC communication flag		
reqSmcPinFlag	String	Request SMC Pin flag		
billEmail	String	Bill email address		Encrypted
ownerLang	String	Bill email (owner) language	E or C	
ownerContactNum	String	Owner contact number		
ownerContactNum2	String	Owner contact number		
ownerContactPerson	String	Owner contact person		
ownerLName	String	Last name of the owner	display if moreInfo =Y	Encrypted
ownerFName	String	First name of the owner	display if moreInfo =Y	Encrypted
ownerName	String	Full name of the owner	display if moreInfo =Y	Encrypted
ownerLNameChi	String	Last name of the owner in Chinese	display if moreInfo =Y	Encrypted
ownerFNameChi	String	First name of the owner in Chinese	display if moreInfo =Y	Encrypted
ownerNameChi	String	Full name of the owner in Chinese	display if moreInfo =Y	Encrypted
ownerIdbr	String	IDBR of the owner	display if moreInfo =Y	Encrypted
ownerBirth	String	Birth of the owner	display if moreInfo =Y	Encrypted
ownerIdType	String	ID Type of the owner		
ownerGender	String	Gender of the owner		
ownerCustTitle	String	Customer title of the owner		
faxNum	String	Owner contact fax number		
attention	String	Attention to the account		
billAddr1	String	Line 1 of the bill address		Encrypted
billAddr2	String	Line 2 of the bill address		Encrypted
district	String	District of the bill address		
area	String	Area of the bill address		
haveSubr	String	Have subscriber for this account	Y – have subr	

Result Code

Result Code	Severity	Description
0	N/A	SUCCESS
-1	N/A	Missing input parameter
-2	N/A	No such customer account in ICP

Success response

```
{
  "resultCode": "0",
  "resultMsg": "SUCCESS",
  "serviceType": "POSTPAID",
  "custId": "10-212UY",
  "custType": "PERS",
  "caCode": "",
  "billDay": "5",
  "divertCode": "EWA",
  "paymentMethod": "CASH",
  "paymentMethodId": "1",
  "paymentMethodDesc": "CASH : Cash",
  "paymentIdentity": "",
  "loginNowInd": "Y",
  "printTag": "",
  "billEmailRejectFlag": "Y",
  "listenFlag": "N",
  "receiveSmcCommFlag": "N",
  "receiveReqSmcPinFlag": "N",
  "billEmail": "abc@gmail.com", // mask or encrypted
  "ownerLang": "E",
  "ownerContactNum": "91234567",
  "ownerContactNum2": "61234567",
  "ownerContactPerson": "Chan Davis",
  "ownerLName": "Chan", // mask or encrypted
  "ownerFName": "Davis", // mask or encrypted
  "ownerName": "Chan Davis", // mask or encrypted
  "ownerLNameChi": "Chan", // mask or encrypted
  "ownerFNameChi": "Davis", // mask or encrypted
  "ownerNameChi": "Chan Davis", // mask or encrypted
  "ownerIdbr": "E101101(5)", // mask or encrypted
  "ownerIdType": "I",
  "ownerGender": "M",
  "ownerCustTitle": "Mr",
  "faxNum": "",
  "attention": "Mr Chan",
  "billAddr1": "27/F Millenium City, phase 2", // mask or encrypted
  "billAddr2": "378 Kwun Tong Road", // mask or encrypted
  "district": "Kwun Tong",
  "area": "Kln",
  "haveSubr": "Y"
}
```

Fail response

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

12. Check Masked Subscriber

Purpose

Check the subscriber whether it was masked in ICP

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: /subrMasked

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2l1ZmFiYzRhYWI4MGNIWDE1NTUiLCJpZCI6IjFiYzI4OGIzYzZjMTQxNjFiM2ZiMWUyNGJlMDAyN2FkliwiaCl6Im11cm11cjY0In0=

Request Parameters

Parameter	Data Type	Description	Possible Value	Remarks
custNum	String	Customer Number	012345678	Required field
subrNum	String	Subscriber Number	91234567	Optional

Sample Request

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

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Result code	See result code table	
resultMsg	String	Result message		
isMasked	String	Personal profile for this subscriber was masked or not	Y – masked N – not masked / no such subscriber	

Result Code

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

Success response

```
{
  "resultCode": "0",
  "resultMsg": "SUCCESS",
  "isMasked": "Y"
}
```

Fail response

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


APPENDIX

1. Contact Record

Attributes	Data Type	Attributes Description	Remarks
contactId	String	Unique identifier for Contact Record	
custTitle	String	Customer Title	<u>Values</u> Ms, Mr, Corp
lastName	String	Customer Last Name*	
firstName	String	Customer First Name*	
lastNameChi	String	Customer Last Name in Chinese*	
firstNameChi	String	Customer First Name in Chinese*	
lastNameChiCode	String	Chinese Code for Last Name*	
firstNameChiCode	String	Chinese Code for First Name*	
fullName	String	Customer Full Name*	
fullNameChi	String	Customer Full Name in Chinese*	
birth	String	Date of Birth for the customer*	
idTypeCode	String	Type of Identity	<u>Values</u> I – HKID P – Passport Holder B – BR N – NO BR G – Government S – SMC
idbr	String	Identity Card Number*	
idbrFull	String	Identity Card Number*	
seriesOfSymbol	String	Series Of HKID Symbol	
gender	String	Gender	
contactNum	String	Customer Contact Number*	
contactNum2	String	Customer Contact Number (2)*	
contactPerson	String	Contact Person usually for Corporate customers*	
faxNum	String	Fax number*	
attention	String	Customer Attention*	
commLangCode	String	Communication Preferable Language Substr(customerattributes.indicators,4,1)	<u>Values</u> E – English C – Chinese
nationality	String	Customer's nationality	<u>Values</u> CHINA KOREA JAPAN NULL
companyName	String	User's company name	
position	String	User's position of the company	
industryCode	String	User's industry code	
createdDate	String	Date of contact created	2020-09-01 09:01:00
lastUpdatedDate	String	Date of contact last update	2020-09-02 09:02:00
createdBy	String	Staff Id of contact created by	PeterChan
lastUpdatedBy	String	Staff Id of contact last update by	PeterChan

* encrypted by sensitive data jar

2. Address Record

Attributes	Data Type	Attributes Description	Remarks
addressId	String	Unique identify of address record	
contactId	String	Contact Id of comm address	
addressType	Varchar2(20)	Type of Address*	<u>Values</u> BILL_ADDR CONTACT_ADDR COMM_ADDR DELIVERY_ADDR GUARANTOR_ADDR
flat	String	Flat of the building*	
flatDesc	String	Flat description*	
floor	String	Floor of the building*	
floorDesc	String	Floor description*	
block	String	Block of the building*	
blockDesc	String	Block description*	
building	String	Building*	
estate	String	Estate*	
streetNo	String	Street Number*	
street	String	Street Name*	
lot	String	Lot Number*	
district	String	District (refer smart address) *	
area	String	Area*	<u>Values</u> HK KLN NT
floorChi	String	Floor of the building in Chinese*	
floorDescChi	String	Floor description in Chinese*	
blockChi	String	Block of the building in Chinese*	
blockDescChi	String	Block description in Chinese*	
buildingChi	String	Building in Chinese*	
estateChi	String	Estate in Chinese*	
streetNoChi	String	Street Number in Chinese*	
streetChi	String	Street Name in Chineses*	
lotChi	String	Lot Number in Chineses*	
districtChi	String	District (refer smart address) in Chinese*	
areaChi	String	Area in Chinese*	
addrLine1	String	Consolidate the address line 1 for billing*	
addrLine2	String	Consolidate the address line 2 for billing*	
addrLine1Chi	String	Consolidate the address line 1 for billing*	
addrLine2Chi	String	Consolidate the address line 2 for billing*	
xCoordinate	String	X-Coordinate for Smart Address	
yCoordinate	String	Y-Coordinate for Smart Address	
addressCode	String	Address Code from HKBN for FBB Check Coverage	
addressNature	String	Nature of address	R: Residential B: Commercial
createdDate	String	Date of address created	2020-09-01 09:01:00
lastUpdatedDate	String	Date of address last update	2020-09-02 09:02:00
createdBy	String	Staff Id of address created by	PeterChan
lastUpdatedBy	String	Staff Id of address last update by	PeterChan

* encrypted by sensitive data jar

3. Subscriber Attribute Record

Reference Info Mapping

Attributes	Data Type	Attributes Description	Remarks
recId	String	Record Id of subscriber attributes	
subrId	String	Subscriber Id of subscriber attributes	
attrGroup	String	Group of subscriber attributes	<u>Values</u> StaffInfo
attr01	String	Reference Name	
attr02	String	Reference ID	
createdDate	String	Date of attribute created	2020-09-01 09:01:00
lastUpdatedDate	String	Date of attribute last update	2020-09-02 09:02:00
createdBy	String	Staff Id of attribute created by	PeterChan
lastUpdatedBy	String	Staff Id of attribute last update by	PeterChan

BM Corporate Attributes Mapping

Attributes	Data Type	Attributes Description	Remarks
recId	String	Record Id of subscriber attributes	
subrId	String	Subscriber Id of subscriber attributes	
attrGroup	String	Group of subscriber attributes	<u>Values</u> corpAttr
attr01	String	Corporate attribute 1 (Cost Centre)	
attr02	String	Corporate attribute 2 (Department)	
attr03	String	Corporate attribute 3 (Division/ Region)	
attr04	String	Corporate attribute 4 (Staff Info)	
attr05	String	Corporate attribute 5 (Secondary Contact Email)	
attr06	String	Corporate attribute 6 (Other Contact Email)	
attr07	String	Corporate attribute 7 (Other Contact Person)	
attr08	String	Corporate attribute 8 (Other Contact Number)	
attr09	String	Corporate attribute 9 (Location 1)	
attr10	String	Corporate attribute 10 (Location 2)	
attr11	String	Corporate attribute 11 (Device Info)	
attr12	String	Corporate attribute 12 (IMEI/ S/N)	
attr13	String	Corporate attribute 13 (Reference 1)	
attr14	String	Corporate attribute 14 (Reference 2)	
attr15	String	Corporate attribute 15 (Reference 3)	
attr16	String	Corporate attribute 16 (Reference 4)	
attr17	String	Corporate attribute 17 (Reference 5)	
attr18	String	Corporate attribute 18 (Reference 6)	
attr19	String	Corporate attribute 19 (Reference 7)	
attr20	String	Corporate attribute 20 (Reference 8)	
attr21	String	Corporate attribute 21 (Reference 9)	
attr22	String	Corporate attribute 22 (Reference 10)	
attr23	String	Corporate attribute 23 (Reference 11)	
attr24	String	Corporate attribute 24 (Reference 12)	
createdDate	String	Date of attribute created	2020-09-01 09:01:00
lastUpdatedDate	String	Date of attribute last update	2020-09-02 09:02:00
createdBy	String	Staff Id of attribute created by	PeterChan
lastUpdatedBy	String	Staff Id of attribute last update by	PeterChan

4. Communication Channel Mapping

Communication Channel Code	Description	Reference to Comm-Channel in GNV
POLICE	Police SMS	substr(usrComm_Channel,2,1)
DO-NOT-DISTURB	Do-not-Disturb	substr(usrComm_Channel,3,1)
CS-SURVEY	CS Survey	substr(usrComm_Channel,4,1)
SMC-PLUS	Accept SmarTone Plus membership	substr(usrComm_Channel,5,1)
1638-SUB	Accept 1638 Subscription	substr(usrComm_Channel,6,1)
SMC-PIN	Request SMC PIN	substr(usrComm_Channel,7,1)
DIR-ENQ	Directory Enquiry	substr(usrComm_Channel,8,1)
SMC-COMM	SmarTone Communication Flag (Y-Receive, N-Reject)	substr(usrComm_Channel,9,1)
DATA-RAT	Local Data Rationalization	substr(usrComm_Channel,10,1)
TELE-CALL	Telesales Call	substr(usrComm_Channel,12,1)
D-MAIL	Direct Mailing	substr(usrComm_Channel,13,1)
USE-MIN	Listen Used Minutes	substr(usrComm_Channel,14,1)
SPEC-E	Special Offers (Email)	substr(usrComm_Channel,15,1)
SPEC-S	Special Offers (Sms)	substr(usrComm_Channel,16,1)
SPEC-W	Special Offers (WhatsApp)	substr(usrComm_Channel,17,1)
NEWS-E	News & Finance & Investment (Email)	substr(usrComm_Channel,19,1)
NEWS-S	News & Finance & Investment (Sms)	substr(usrComm_Channel,20,1)
NEWS-W	News & Finance & Investment (WhatsApp)	substr(usrComm_Channel,21,1)
FUN-E	Fun Stuff (Email)	substr(usrComm_Channel,23,1)
FUN-S	Fun Stuff (Sms)	substr(usrComm_Channel,24,1)
FUN-W	Fun Stuff (WhatsApp)	substr(usrComm_Channel,25,1)
COMM-E	Communication and Internet (Email)	substr(usrComm_Channel,27,1)
COMM-S	Communication and Internet (Sms)	substr(usrComm_Channel,28,1)
COMM-W	Communication and Internet (WhatsApp)	substr(usrComm_Channel,29,1)
RET-E	Retention Offer (Email)	substr(usrComm_Channel,31,1)
RET-S	Retention Offer (Sms)	substr(usrComm_Channel,32,1)
RET-W	Retention Offer (WhatsApp)	substr(usrComm_Channel,33,1)
ST-STYLE	ST_Style	substr(usrComm_Channel,35,1)
WSM-SERV	WSM Service Update	substr(usrComm_Channel,36,1)
WSM-PROM	WSM Promotional Message	substr(usrComm_Channel,37,1)
SMC-CARE	SmarTone Care	substr(usrComm_Channel,40,1)
ECOMM-NEW	eNews Letter Subscription	