CARE APP

SMC ICP Enquiry Interface

API Specifications

CONTENTS

Objectives

This document is to provide the list of enquiry functions for ICP data for CARE APP.

ICP Enquiry API Specifications

1. Get Customer Number

Purpose

To get the customer number, account number of postpaid customers by active subscriber number

Interface Details

Production Endpoints: TBC

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

API: /getCustNum

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
subrNum	String	Subscriber Number	91234567	Required field

Sample Request

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

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	See below table	
resultMsg	String	Return Error Code		
custId	String	Unique Customer ID		
custNum	String	Customer Number		
subrNum	String	Subscriber Number		
accountNum	String	Account Number		

Result Code

Result Code	Severity	Description
0	N/A	Success
-1	N/A	Invalid input parameters
-2	N/A	No such active subscriber in ICP

Sample Response

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

Success response

```
{
        "resultCode": "0",
        "resultMsg": "SUCCESS",
        "custId": "0-43HD54",
        "custNum": "00001250"
        "subrNum": "91234567"
        "accountNum": "00001250.00001"
}
```

Fail response

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

2. Get Usage Data Widget

Purpose

To query the local data usage up to yesterday 23:59 by active subscriber number, which is pre-computed by DW team.

Interface Details

Production Endpoints: TBC

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

API: /getUsageDataWidget

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
subrNum	String	Subscriber Number	91234567	Required field

Sample Request

```
{
        "subrNum": "91234567"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	See below table	
usedDataInKb	BigDecimal	Usage data in KB BP.VW_UNBILLED_DATE_SUBR_SUMM.LOCAL_DATA_USG		
isUnlimited	Boolean	Is the subscriber entitled to unlimited data BP.VW_ENTITLE_DATA_SUBR.FUP_FLAG		
dataEndDate	String	End date of current entitled data (suppose 23:59:59) BP.VW_UNBILLED_DATE_SUBR_SUMM.CM_BILL_END_DATE	YYYY-MM-DD	
lastUpdDatetime	String	Update date of the current record BP.VW_UNBILLED_DATE_SUBR_SUMM.LAST_UPD_DATETIME	YYYY-MM-DD HH23:MI:SS	

Result Code

Result Code	Severity	Description
0	N/A	Success
-1000 ~ -1999	N/A	Not Success. The request cannot be processed due to violation of the business logic.
-1	N/A	Not Success. Invalid subscriber number
-2	N/A	Not Success. Data Usage record is not found

Sample Response

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

Success response

```
{
        "resultCode": "0",
        "usedDataInKb": 385179,
        "isUnlimited": false,
        "dataEndDate": "2025-02-28",
        "lastUpdDatetime": "2025-02-28 13:00:05"
}
```

Fail response

```
//Not Success. An invalid input argument is provided.
{
        "resultCode": "-1"
}
```