

ECSP System

SMC ICP Enquiry Interface API Specifications

CONTENTS

OBJECTIVES	3
ICP ENQUIRY API SPECIFICATIONS.....	3
1. <i>Call Details List (New Billing).....</i>	<i>3</i>
2. <i>Local Usage Enquiry (New Billing)</i>	<i>6</i>

Objectives

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

ICP Enquiry API Specifications

1. Call Details List (New Billing)

Purpose

To get the postpaid call details list for New Billing.

Reference: This API can be replaced to the existing function “Usage Details” in ECSP System

This API is read BP table – v_dw_etl_bill_call and v_dw_etl_bill_call_attr

Interface Details

Production Endpoints: <https://tykapi-u.hksmartone.com/icp/dp>

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

API: /callDetails

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
custNum	String	Customer number		Mandatory
acctNum	String	Account number		Mandatory
subrNum	String	Subscriber number		Mandatory
invDate	String	Invoice Date		Mandatory
invNum	String	Invoice Number		Optional
isCostOnly	String	Filter to get cost case	Y – isCostOnly N – Not isCostOnly	Mandatory

Sample Request

{ "custNum": "85012345", "acctNum": "85012345.00001", "subrNum": "91234567", "invDate": "2024-01-01 00:00:00", "invNum": "I123456", "isCostOnly": "N" }
--

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	Refer below tables	
resultMsg	String	Return Error Message		
callDtl	Json Array	Array list of Call Details record		
callDtl -> cdr	String	Call Details event sequence		
callDtl -> callStartTime	String	Call Details start date/time	Format: dd/mm/yyyy hh24:mi	
callDtl -> callStartTimeSort	String	Call Details start date/time for sorting	Format: yyyymmdd hh24:mi	
callDtl -> dialDigit	String	Dial digit		
callDtl -> phoneNumber	String	Phone number		
callDtl -> destinationCode	String	Destination code		
callDtl -> roamCountryCode	String	Roaming country code		
callDtl -> netPrice	String	Net price		
callDtl -> retailPrice	String	Retail price		
callDtl -> breakCode	String	Break code		
callDtl -> durationEvent	String	Duration of Event		
callDtl -> duration	String	Duration		
callDtl -> durationSort	String	Duration for sorting		

Result Code

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

Success response

```
{
  "resultCode": "0",
  "resultMsg": "SUCCESS",
  "callDtl": [{
    "crd": "1",
    "callStartTime": "01-Jul-2025 21:46",
    "callStartTimeSort": "20250701 21:46",
    "dialDigit": "Local Data",
    "phoneNumber": "91234567",
    "destinationCode": "",
    "roamCountryCode": "",
    "netPrice": "0.15",
    "retailPrice": "0.15",
    "breakCode": "LDATA",
    "durationEvent": "Data",
    "duration": "1",
    "durationSort": "1"
  }, {
    "crd": "2",
    "callStartTime": "02-Jul-2025 23:46",
    "callStartTimeSort": "20250702 23:46",
    "dialDigit": "85297259734",
    "phoneNumber": "91234567",
    "destinationCode": "",
    "roamCountryCode": "",
    "netPrice": "0.15",
    "retailPrice": "0.15",
    "breakCode": "LOCAL",
    "durationEvent": "Intra Voice MO",
    "duration": "1",
    "durationSort": "1"
  }]
}
```

Fail response

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

2. Local Usage Enquiry (New Billing)

Purpose

To get the local usage enquiry for non-family plan postpaid subscriber in the new billing system

Reference: This API can be replaced to the existing function “Overview” in ECSP
This API is related to EBillSessionBean.java and EBillOverviewUsageInfoBean.java

Interface Details

Production Endpoints: <https://tykapi-u.hksmartone.com/icp/myAccount>

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

API: /localUsageEnquiry

Type: REST

Method: POST

Add Key to HTTP Request Header for TYK API:

Name	Auth_ID
Value	eyJvcmdiOiI2NGY2Y2I1ZmFiYzRhYWl4MGNIWDE1NTUuIiJpZCI6IjFiYzI4OGIzYzJMTQxNjFiM2ZiMWUyNGJlMDAyN2FkIiwiaCI6Im11cm11cjY0In0=

Request Parameters

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

Sample Request

```
{
  "custNum": "85012345",
  "acctNum": "85012345.00001",
  "subrNum": "91234567",
  "parallelRun": "00"
}
```

Response Parameters

Parameter	Data Type	Description	Possible Value	Remarks
resultCode	String	Return Result	Refer below tables	
resultMsg	String	Return Error Message		
lastCallDate	String	As of last call date	Format: YYYY-MM-DD HH24:MI	
nextInvoiceDate	String	Next bill (invoice) date	Format: YYYY-MM-DD	
voiceUsage	Json Array	Array List for Local Voice Usage Covering BASIC, INTRA, MA BASIC, 1638IDD and VIDEO		
voiceUsage -> code	String	Bill code e.g. BASIC		
voiceUsage -> entitled	String	Entitlement		
voiceUsage -> remaining	String	Remaining usage		
voiceUsage -> consumed	String	Consumed/ Used usage		
voiceUsage -> thereAfterSpending	String	There after spending usage		
dataUsage	Json Array	Array list for Local data usage		
dataUsage -> dataUsageDate	String	As of data usage date	Format: YYYY-MM-DD HH24:MI	
dataUsage -> dataConsumed	String	Data consumed/ used usage		
dataUsage -> unBilledUsageCharge	String	Unbilled usage charge amount		
dataUsage -> macauDataUsageDate	String	As of Macau data usage	Format: YYYY-MM-DD HH24:MI	
dataUsage -> macauDataConsumed	String	Macau data consumed/ used usage		
dataUsage -> macauDataUsageCharge	String	Macau data usage charge		

Result Code

Result Code	Severity	Description
0	N/A	Success
-1	N/A	Missing input parameters
-2	N/A	Postpaid subscriber is not found

Success response

```
{
  "resultCode": "0",
  "resultMsg": "SUCCESS",
  "lastCallDate": "2025-08-26 12:00",
  "nextInvoiceDate": "2025-09-11",
  "voiceUsage": [{
    "code": "BASIC",
    "entitled": "10",
    "remaining": "4",
    "consumed": "6",
    "thereAfterSpending": "0"
  }, {
    "code": "INTRA",
    "entitled": "0",
    "remaining": "0",
    "consumed": "0",
    "thereAfterSpending": "0"
  }]
  "dataUsage": [{
    "dataUsageDate": "2025-08-12 12:00",
    "dataConsumed": "303.19",
    "unBilledUsageCharge": "0.0",
    "macauDataUsageDate": "",
    "macauDataConsumed": "",
    "macauDataUsageCharge": ""
  }]
}
```

Fail response

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