**Centralize Payment and Collection (cPAC)**

**MIMO Tech Co., Ltd.** 

**Version 2.1**

**SERVICE INTEGRATION REQUIREMENT SPECIFICATION**

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Description** | **Author** | **Version** |
| 29/03/2016 | Create | Kittisak | V.1.0 |
| 30/05/2016 | ปรับปรุง Interface Spec ตามที่ประชุม | Kittisak | V.2.0 |
| 21/06/2016 | ปรับปรุง Interface Spec ตามที่คุณนุ้ยแจ้งรายละเอียดมา | Kittisak | V.2.1 |
| 12/09/2016 | ยกเลิก Exempt Blacklist/De-Blacklist เนื่องจากจะใช้ Interface ที่ไป ระบบ SFF-Credit Control | Kittisak | V.2.2 |

## ระบบ SFF

* + - 1. **Sync Customer Profile from SFF**

**SFF : Confirm ตาม Solution ของ Agail**

|  |  |  |  |
| --- | --- | --- | --- |
| **Service** | | Sync Customer Profile from SFF | |
| **Description** | | การ Sync ข้อมูลของลูกค้า (Customer Profile) | |
| **Requester** | | ระบบ cPAC Customer Profile | |
| **Provider** | | ระบบ SFF | |
| **System Flow** | | | |
| |  | | --- | |  | | | | |
| **Process Detail** | | | |
|  | | | |
| **รายละเอียดของ Service** | | | |
| **เลขที่** | **หัวข้อ** | **รายละเอียด** | **หมายเหตุ** |
| 1 | Service Type | - |  |
| 2 | Interface Type | EAI/Batch |  |
| 3 | Data Type |  |  |
| 4 | Input Format |  |  |
| 5 | Output Format |  |  |

รายละเอียดข้อมูล Customer Profile : รอสรุป Field ร่วมกันระหว่าง SFF, EAI, cPAC

* + - 1. **Suspend/Terminate Batch**

|  |  |  |  |
| --- | --- | --- | --- |
| **Service** | | Suspend/Terminate Batch | |
| **Description** | | สำหรับสร้าง Service Order ลูกค้าที่เข้าสู่กระบวนการติดตามหนี้ Suspend Treatment, Terminate Treatment | |
| **Requester** | | ระบบ cPAC Collection | |
| **Provider** | | ระบบ SFF | |
| **System Flow** | | | |
| |  | | --- | |  | | | | |
| **Process Detail** | | | |
|  | | | |
| **รายละเอียดของ Service** | | | |
| **เลขที่** | **หัวข้อ** | **รายละเอียด** | **หมายเหตุ** |
| 1 | Service Type | Outbound/Inbound |  |
| 2 | Interface Type | File |  |
| 3 | Data Type | Text File |  |
| 4 | Encoding | ASNI |  |

**Environment**

**Outbound**

|  |  |  |  |
| --- | --- | --- | --- |
| **Environment** | **Dev** | **SIT** | **Production** |
| Server | cPAC NAS DEV  10.252.167.22:/vol/SHT\_CPAC | cPAC NAS DEV  10.252.167.22:/vol/SHT\_CPAC | cPAC NAS PROD |
| SD1 | /collection/dev/file\_interface/order/sd1 | /collection/sit/file\_interface/order/sd1 | /export/home/MNT\_NFS/PBSSNS404B  /DBSFF/sffinput/SuspendDebt |
| SD2 | /collection/dev/file\_interface/order/sd2 | /collection/sit/file\_interface/order/sd2 | /export/home/MNT\_NFS/PBSSNS404B  /DBSFF/sffinput/SuspendDebt |
| SD3 | /collection/dev/file\_interface/order/sd3 | /collection/sit/file\_interface/order/sd3 | /export/home/MNT\_NFS/PBSSNS404B  /DBSFF/sffinput/SuspendDebt |
| DT | /collection/dev/file\_interface/order/dt | /collection/sit/file\_interface/order/dt | /export/home/MNT\_NFS/PBSSNS404B  /DBSFF/sffinput/DisconnTerminate |

**Inbound**

|  |  |  |  |
| --- | --- | --- | --- |
| **Environment** | **Dev** | **SIT** | **Production** |
| Server | OregonD  172.16.249.36 | OregonT  172.16.249.77 | Serviam  172.16.252.26 |
| SD1 | /export/home/oper/sffdata/BatchOrder  /SuspendDebt | /export/home/oper/sffdata/BatchOrder  /SuspendDebt | /export/home/MNT\_NFS/PBSSNS404B/  DBSFF/sffdata/BatchOrder/SuspendDebt |
| SD2 | /export/home/oper/sffdata/BatchOrder  /SuspendDebt | /export/home/oper/sffdata/BatchOrder  /SuspendDebt | /export/home/MNT\_NFS/PBSSNS404B/  DBSFF/sffdata/BatchOrder/SuspendDebt |
| SD3 | /export/home/oper/sffdata/BatchOrder  /SuspendDebt | /export/home/oper/sffdata/BatchOrder  /SuspendDebt | /export/home/MNT\_NFS/PBSSNS404B/  DBSFF/sffdata/BatchOrder/SuspendDebt |
| DT | /export/home/oper/sffdata/BatchOrder  /DisconnTerminate | /export/home/oper/sffdata/BatchOrder  /DisconnTerminate | /export/home/MNT\_NFS/PBSSNS404B  /DBSFF/sffdata/BatchOrder/DisconnTerminate |

**Process Outbound**

|  |  |  |
| --- | --- | --- |
| **Process** | **Job Name** | **Run Time** |
| SD1 |  | 23.00 – 05.00 |
| SD2 | 01.00 – 07.00 |
| SD3 | 01.40 – 05.40 |
| DT | 00.01 – 06.01 |

**Process Inbound**

|  |  |  |
| --- | --- | --- |
| **Process** | **Job Name** | **Run Time** |
| All |  | 07.30 – 06.30 |

**Outbound Format**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | DMSRequest\_yyyymmdd\_hh24miss.dat | | | | | |
|  | EndDMSRequest\_yyyymmdd\_hh24miss.dat | [เฉพาะ CT เท่านั้น และจะต้องมีทุก Mobile สุดท้ายของ BA เท่านั้น เพื่อเป็น Flag ให้ทาง SFF Update BA\_Status=Inactive] | | | | |
| **Limitation** | จำนวน Record ต่อไฟล์ต้องไม่เกิน 500 Order | | | | | |
|  | จำนวน Record ทั้งหมดในแต่ละวันต้องไม่เกิน 500 File>> Confirm APO | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "01" | Char | 2 | M | 01 |  |
| Sysdate | วันที่ทำการส่งข้อมูล (sysdate) |  |  | M | 20120910\_133800 | Format: yyyymmdd\_hh24miss |
| v\_seq |  |  |  | M | 1 |  |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "02" | Char | 2 | M | 02 |  |
| Mobile Number | หมายเลขโทรศัพท์ | Char | 10 | M | 0819246359 |  |
| Order type | ข้อมูล Order Type | Char | 30 | M | Suspend-Debt | D1: Order Type=Suspend-Debt, Suspend Type=Outgoing D2: Order Type=-, Suspend Type=All CT:Order Type=Disconnect-Terminate, Suspend Type=All  D3: Order Type= Debt, Suspend Type= No Usage |
| Suspend Type | ข้อมูล Suspend Type | Char | 30 | M | Outgoing |  |
| Action Reason | action\_reason\_list | Char | 100 | M | 1 |  |
| reconnectionDate | Default:null | Char | 20 | O | null | Request when  "Suspend - Customer Request" |
| Network Type | dccu\_dbutil.GET\_GLOBAL\_PARAMETER('MIGRATE\_DEBT\_3G',om.company\_code) | Char | 20 | M | 3G |  |
| **Footer Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "09" | Char | 2 | M | 09 |  |
| Total Record | จำนวนข้อมูลส่วนของ Body ในไฟล์ | Number |  | M | 2 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | DMSRequest\_yyyymmdd\_hh24miss.sync | | | | | |
| **Limitation** | None | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure: None** | | | | | | |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| File Name | ชื่อไฟล์ | Char | 30 | M | DMSRequest\_20150817\_232541.ok |  |
| File Size | ขนาดของไฟล์ หน่วยเป็น Byte | Char | 30 | M | 1258 |  |
| **Footer Structure: None** | | | | | | |

**ตัวอย่างข้อมูล**

**File Name:** DMSRequest\_20150817\_232541.dat

01|20150817\_232541|52141

02|0895241081|Suspend - Debt|Outgoing|001||3G

02|0862304426|Suspend - Debt|Outgoing|001||3G

09|2

**File Name:** DMSRequest\_20150817\_232541.sync

DMSRequest\_20150817\_232541.dat|1258

**Inbound Format**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | DMSRequest\_yyyymmdd\_hh24miss.err | ถ้าพบ Mobile ในไฟล์นี้ Result=Fail | | | | |
|  | DMSRequest\_yyyymmdd\_hh24miss.ok | ถ้าพบ Mobile ในไฟล์นี้ Result=success | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "01" | Char | 2 | M | 01 |  |
| File Name |  | Char | 30 | M |  |  |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "02" | Char | 2 | M | 02 |  |
| Mobile Number |  | Char | 10 | M | 0819246359 |  |
| Order type |  | Char | 30 | M | Suspend-Debt | D1: Order Type=Suspend-Debt, Suspend Type=Outgoing D2: Order Type=-, Suspend Type=All CT:Order Type=Disconnect-Terminate, Suspend Type=All  D3: Order Type= Debt, Suspend Type= No Usage |
| Suspend Type |  | Char | 30 | M | Outgoing |  |
| Action Reason | action\_reason\_list | Char | 100 | M | 1 |  |
| reconnectionDate | Default:null | Char | 20 | O | null | Request when  "Suspend - Customer Request" |
| Network Type | dccu\_dbutil.GET\_GLOBAL\_PARAMETER('MIGRATE\_DEBT\_3G',om.company\_code) | Char | 20 | O | 3G |  |
| order\_number |  | Char | 30 | M | R1508004177949 |  |
| **Footer Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "09" | Char | 2 | M | 09 |  |
| Total Record | จำนวนข้อมูลส่วนของ Body ในไฟล์ | Number |  | M | 2 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | DMSRequest\_yyyymmdd\_hh24miss.sync | | | | | |
| **Limitation** | None | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure: None** | | | | | | |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| File Name | ชื่อไฟล์ | Char | 30 | M | DMSRequest\_20150817\_232541.ok |  |
| File Size | ขนาดของไฟล์ | Char | 30 | M | 1258 |  |
| **Footer Structure: None** | | | | | | |

**ตัวอย่างข้อมูล**

**File Name:** DMSRequest\_20150817\_232541.ok

01|DMSRequest\_20150817\_232541.dat

02|0898705772|Suspend - Debt|Outgoing|001||3G|R1508004177949

02|0878158015|Suspend - Debt|Outgoing|001||3G|R1508004177950

09|2

**File Name:** DMSRequest\_20150817\_232541.sync

DMSRequest\_20150817\_232541.ok|1258

* + - 1. **Reconnect Batch**

|  |  |  |  |
| --- | --- | --- | --- |
| **Service** | | Reconnect Batch | |
| **Description** | | ระบบ Collection สร้าง Service Order สำหรับลูกค้าที่เข้าสู่กระบวนการติดตามหนี้ แล้วได้รับพิจารณาให้มีการ Reconnect ให้แก่ลูกค้าที่ไม่ได้ชำระเงิน | |
| **Requester** | | ระบบ cPAC Collection | |
| **Provider** | | ระบบ SFF | |
| **System Flow** | | | |
| |  | | --- | |  | | | | |
| **Process Detail** | | | |
|  | | | |
| **รายละเอียดของ Service** | | | |
| **เลขที่** | **หัวข้อ** | **รายละเอียด** | **หมายเหตุ** |
| 1 | Service Type | Outbound/Inbound |  |
| 2 | Interface Type | File |  |
| 3 | Data Type | Text File |  |

**Environment**

**Outbound**

|  |  |  |  |
| --- | --- | --- | --- |
| **Environment** | **Dev** | **SIT** | **Production** |
| Server | cPAC NAS DEV  10.252.167.22:/vol/SHT\_CPAC | cPAC NAS DEV  10.252.167.22:/vol/SHT\_CPAC | cPAC NAS PROD |
| Reconnect | /collection/dev/file\_interface/order/re | /collection/sit/file\_interface/order/re | /export/home/MNT\_NFS/PBSSNS404B  /DBSFF/sffinput/ReconnDebt |

**Inbound**

|  |  |  |  |
| --- | --- | --- | --- |
| **Environment** | **Dev** | **SIT** | **Production** |
| Server | OregonD  172.16.249.36 | OregonT  172.16.249.77 | Serviam  172.16.252.26 |
| Reconnect | /export/home/oper/sffdata/BatchOrder  /ReconnDebt | /export/home/oper/sffdata/BatchOrder  /ReconnDebt | /export/home/MNT\_NFS/PBSSNS404B/DBSFF/  sffdata/BatchOrder/ReconnDebt |

**Process Outbound**

|  |  |  |
| --- | --- | --- |
| **Process** | **Job Name** | **Run Time** |
| Reconnect |  | User แจ้งให้มีการทำทุกๆ 3 ชั่วโมง |

**Process Inbound**

|  |  |  |
| --- | --- | --- |
| **Process** | **Job Name** | **Run Time** |
| All |  | 07.30 – 06.30 |

**Outbound Format**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | DMSRequest\_yyyymmdd\_hh24miss.dat | | | | | |
| **Limitation** | จำนวน Record ต่อไฟล์ต้องไม่เกิน 500 Order | | | | | |
|  | จำนวน Record ทั้งหมดในแต่ละวันต้องไม่เกิน 500 File >> Confirm APO | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "01" | Char | 2 | M | 01 |  |
| Sysdate |  |  |  | M | 20120910\_133800 | Format: yyyymmdd\_hh24miss |
| v\_seq |  |  |  | M | 1 |  |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "02" | Char | 2 | M | 02 |  |
| Mobile Number | หมายเลขโทรศัพท์ | Char | 10 | M | 0819246359 |  |
| Order type | ข้อมูล Order Type | Char | 30 | M | Reconnect-Debt |  |
| Suspend Type | ข้อมูล Suspend Type | Char | 30 | M | Outgoing |  |
| Action Reason | action\_reason\_list | Char | 100 | M | 1 |  |
| reconnectionDate | Default:null | Char | 20 | O | null | Request when  "Suspend - Customer Request" |
| Network Type | dccu\_dbutil.GET\_GLOBAL\_PARAMETER('MIGRATE\_DEBT\_3G',om.company\_code) | Char | 20 | M | 3G |  |
| **Footer Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "09" | Char | 2 | M | 09 |  |
| Total Record | จำนวนข้อมูลส่วนของ Body ในไฟล์ | Number |  | M | 2 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | DMSRequest\_yyyymmdd\_hh24miss.sync | | | | | |
| **Limitation** | None | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure: None** | | | | | | |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| File Name | ชื่อไฟล์ | Char | 30 | M | DMSRequest\_20150817\_232541.dat |  |
| File Size | ขนาดของไฟล์ หน่วยเป็น Byte | Char | 30 | M | 1258 |  |
| **Footer Structure: None** | | | | | | |

ตัวอย่างข้อมูล

File Name: DMSRequest\_20150817\_232541.dat

01|20150817\_232541|52141

02|0895241081|Reconnect-Debt|Outgoing|001||3G

02|0862304426|Reconnect-Debt|Outgoing|001||3G

09|2

**File Name:** DMSRequest\_20150817\_232541.sync

DMSRequest\_20150817\_232541.dat|1258

**Inbound Format**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | DMSRequest\_yyyymmdd\_hh24miss.err | ถ้าพบ Mobile ในไฟล์นี้ Result=Fail | | | | |
|  | DMSRequest\_yyyymmdd\_hh24miss.ok | ถ้าพบ Mobile ในไฟล์นี้ Result=success | | | | |
| **Delimiter** | "|" (Pipe) |  | | | | |
| **Header Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "01" | Char | 2 | M | 01 |  |
| Sysdate | วันที่ทำรายการ |  |  | M | 20120910\_133800 | Format: yyyymmdd\_hh24miss |
| v\_seq |  |  |  | M | 1 |  |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "02" | Char | 2 | M | 02 |  |
| Mobile Number |  | Char | 10 | M | 0819246359 |  |
| Order type |  | Char | 30 | M | Reconnect-Debt |  |
| Suspend Type |  | Char | 30 | M | Outgoing |  |
| Action Reason | action\_reason\_list | Char | 100 | M | 1 |  |
| reconnectionDate | Default:null | Char | 20 | O | null | Request when  "Suspend - Customer Request" |
| Network Type | dccu\_dbutil.GET\_GLOBAL\_PARAMETER('MIGRATE\_DEBT\_3G',om.company\_code) | Char | 20 | M | 3G |  |
| order\_number |  | Char | 30 | M | R1508004177949 |  |
| **Footer Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "09" | Char | 2 |  | 09 |  |
| Total Record | จำนวนข้อมูลส่วนของ Body ในไฟล์ | Number |  |  | 2 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | DMSRequest\_yyyymmdd\_hh24miss.sync | | | | | |
| **Limitation** | None | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure: None** | | | | | | |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| File Name | ชื่อไฟล์ | Char | 30 | M | DMSRequest\_20150817\_232541.ok |  |
| File Size | ขนาดของไฟล์ | Char | 30 | M | 1258 |  |
| **Footer Structure: None** | | | | | | |

**ตัวอย่างข้อมูล**

**File Name**: DMSRequest\_20150817\_232541.ok

01|DMSRequest\_20150817\_232541.dat

02|0898705772|Reconnect-Debt|Outgoing|001||3G|R1508004177949

02|0878158015|Reconnect-Debt|Outgoing|001||3G|R1508004177949

09|2

**File Name**: DMSRequest\_20150817\_232541.sync

DMSRequest\_20150817\_232541.ok|1258

* + - 1. **Update Blacklist/De-Blacklist Batch**

|  |  |  |  |
| --- | --- | --- | --- |
| **Service** | | Update Blacklist/De-Blacklist Batch | |
| **Description** | | ระบบ Collection ส่งข้อมูล Blacklist, De-Blacklist เมื่อลูกค้าที่มีหนี้ เข้าเงื่อนไขการทำรายการ Blacklist/De-Blacklist ที่ระบบ SFF | |
| **Requester** | | ระบบ cPAC Collection | |
| **Provider** | | ระบบ SFF | |
| **System Flow** | | | |
| |  | | --- | |  | | | | |
| **Process Detail** | | | |
|  | | | |
| **รายละเอียดของ Service** | | | |
| **เลขที่** | **หัวข้อ** | **รายละเอียด** | **หมายเหตุ** |
| 1 | Service Type | Outbound/Inbound |  |
| 2 | Interface Type | File |  |
| 3 | Data Type | Text File |  |

**Environment**

**Outbound**

|  |  |  |  |
| --- | --- | --- | --- |
| **Environment** | **Dev** | **SIT** | **Production** |
| Server | cPAC NAS DEV  10.252.167.22:/vol/SHT\_CPAC | cPAC NAS DEV  10.252.167.22:/vol/SHT\_CPAC | cPAC NAS PROD |
| Blacklist/De-Blacklist | /collection/dev/file\_interface/order/bl\_dl | /collection/sit/file\_interface/order/bl\_dl | /collection/file\_interface/order/bl\_dl |

**Inbound**

|  |  |  |  |
| --- | --- | --- | --- |
| **Environment** | **Dev** | **SIT** | **Production** |
| Server | 172.16.252.26 |  |  |
| Blacklist/De-Blacklist | /export/home/MNT\_NFS/PBSSNS404B/  DBSFF/sfflog/DebtBlacklist |  |  |

**Process**

|  |  |  |
| --- | --- | --- |
| **Process** | **Job Name** | **Run Time** |
| Blacklist/De-Blacklist |  | 03.00 – 03.50 |
|  |  | 00.30 – 02.00 |

**Outbound Format**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | AccountDebtBlacklist\_yyyymmdd\_hh24miss.dat | | | | | |
| **Limitation** | None | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "01" | Char | 2 | M | 01 |  |
| Sysdate | วันที่สร้างรายการ |  |  | M | 20120910\_133800 | Format: yyyymmdd\_hh24miss |
| n\_file |  |  |  | M | 1 |  |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "02" | Char | 2 | M | 02 |  |
| Customer\_ID | ข้อมูล CA No. | varchar | 30 | M | 3309901601357 |  |
| Billing\_Acc\_Num | ข้อมูล BA No. | varchar | 30 | M | 1530813097 |  |
| FR\_Mobile\_Num | Mobile\_No | varchar | 30 | O | Null หรือ 0899496345 |  |
| Blacklist\_dtm | Blacklist\_Start\_DT Date | Date | 15 | M | 20150829000000 | Format: yyyymmddhh24miss |
| Blacklist\_Type | ข้อมูล Blacklist Type | varchar | 30 | M | Financial หรือ Fraud |  |
| Blacklist\_Subtype | ข้อมูล Blacklist Sub Type | varchar | 30 | M | Non-Payment, Handset |  |
| Source | ข้อมูล Blacklist Source | varchar | 30 | M | AIS |  |
| s\_DL\_Flag | DE\_BLACKLIST\_FLAG | varchar | 1 | O | null |  |
| s\_DL\_Reason | DE\_BLACKLIST\_REASON | varchar | 30 | O | null |  |
| s\_blacklist\_end\_Date | วันที่ Expire Blacklist | Date |  | O | null | Format: yyyymmddhh24miss |
| Remark |  | varchar | 100 | O | null |  |
| s\_DMS\_cont |  | varchar | 10 | M | DMS | Fix Value |
| s\_Reason | BLACKLIST\_REASON | varchar | 50 | M | 11 |  |
| **Footer Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "09" | Char | 2 | M | 09 |  |
| n\_TextLine | จำนวนข้อมูลส่วนของ Body ในไฟล์ | Number |  | M | 2 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | AccountDebtBlacklist\_yyyymmdd\_hh24miss.sync | | | | | |
| **Limitation** | None | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure: None** | | | | | | |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| File Name | ชื่อไฟล์ | Char | 30 | M | AccountDebtBlacklist\_yyyymmdd\_hh24miss.dat |  |
| File Size | ขนาดของไฟล์ | Char | 30 | M | 1258 |  |
| **Footer Structure: None** | | | | | | |

**ตัวอย่างข้อมูล**

**File Name:** AccountDebtBlacklist\_20151015\_232541.dat

**Blacklist**

01|20150831\_165009|1

02|3309901601357|1530813097||20150819000000|Financial|Non-payment Handset|AIS|||||DMS|11

02|3101083231|1980016628||20150819000000|Financial|Non-payment Handset|AIS|||||DMS|11

09|2

**De-Blacklist**

01|20150901\_100714|1

02|3309901601357|1530813097||20150819000000|Financial|Non-payment Handset|AIS|Y|01|20150819101128||DMS|

02|3101083231|1980016628||20150819000000|Financial|Non-payment Handset|AIS|Y|01|20150819101128||DMS|

09|2

**File Name:** AccountDebtBlacklist\_20151015\_232541.sync

AccountDebtBlacklist\_20151015\_232541.dat**|**1258

**Inbound Format**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | AccountCreditBlacklistExtract\_yyyymmdd\_hh24miss.dat | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "01" | Char | 2 | M | 01 |  |
| Sysdate | วันที่สร้างรายการ |  |  | M | 20120910\_133800 | Format: yyyymmdd\_hh24miss |
| n\_file |  |  |  | M | 1 |  |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "02" | Char | 2 | M | 02 | 02 |
| Customer\_ID | ข้อมูล CA No. | varchar | 30 | M | 3309901601357 |  |
| Billing\_Acc\_Num | ข้อมูล BA No. | varchar | 30 | M | 1530813097 |  |
| Mobile\_Num | Mobile\_No | varchar | 30 | O | Null หรือ 0899496345 |  |
| Blacklist\_dtm | Blacklist\_Start\_DT Date | Date | 15 | O | 20150829000000 | Format: yyyymmddhh24miss |
| Blacklist\_Type | ข้อมูล Blacklist Type | varchar | 30 | M | Financial หรือ Fraud |  |
| Blacklist\_Subtype | ข้อมูล Blacklist Sub Type | varchar | 30 | M | Non-Payment, Handset |  |
| Source | ข้อมูล Blacklist Source | varchar | 30 | M | AIS |  |
| DL\_Flag | DE\_BLACKLIST\_FLAG | varchar | 1 | O | null |  |
| DL\_Reason | DE\_BLACKLIST\_REASON | varchar | 30 | O | null |  |
| blacklist\_end\_Date | วันที่ Blacklist End Date | Date |  | O | null | Format: yyyymmddhh24miss |
| Remark |  | varchar | 100 | O | null |  |
| bl\_user\_login |  | varchar | 100 | O | DMS | Fix Value |
| bl\_division\_id |  | varchar | 100 | O |  |  |
| dl\_user\_login |  | varchar | 100 | O |  |  |
| dl\_division\_id |  | varchar | 100 | O |  |  |
| **Footer Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "09" | Char | 2 | M | 09 |  |
| n\_TextLine | จำนวนข้อมูลส่วนของ Body ในไฟล์ | Number |  | M | 2 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | AccountCreditBlacklistExtract\_yyyymmdd\_hh24miss.sync | | | | | |
| **Limitation** | None | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure: None** | | | | | | |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| File Name | ชื่อไฟล์ | Char | 30 | M | AccountCreditBlacklistExtract\_yyyymmdd\_hh24miss.dat |  |
| File Size | ขนาดของไฟล์ | Char | 30 | M | 1258 |  |
| **Footer Structure: None** | | | | | | |

**ตัวอย่างข้อมูล**

**File Name:** AccountCreditBlacklistExtract \_20151015\_232541.dat

01|20150906\_210002|1740

02|3609800005454|1520927243||20100327000000|Financial|Non-payment|AIS|Y|21|20150906202548|2209|CCARECRM|0-5200|IVRACC|0-5200|11

02|5409900001343|31400006320163||20150906205945|Financial|Non-payment|AIS|||||ANAWATL|1-MY5V|ANAWATL|1-MY5V|

09|3154

**File Name:** AccountCreditBlacklistExtract \_20151015\_232541.sync

AccountCreditBlacklistExtract \_20151015\_232541.dat|1258

* + - 1. **Update Write off Flag and Debt Status**

|  |  |  |  |
| --- | --- | --- | --- |
| **Service** | | Update Write off Flag and Debt Status | |
| **Description** | | ระบบ Collection ส่งข้อมูล การทำ Write off ไปที่ ระบบ SFF เพื่อป้องกันไม่ไม่ให้ใช้ BA ที่ถูก Write off ไปแล้ว, ส่งข้อมูลการติดตามหนี้ เพื่อใช้เป็นข้อมูลในการตอบคำถามให้กับลูกค้า | |
| **Requester** | | ระบบ cPAC Collection | |
| **Provider** | | ระบบ SFF | |
| **System Flow** | | | |
| |  | | --- | |  | | | | |
| **Process Detail** | | | |
|  | | | |
| **รายละเอียดของ Service** | | | |
| **เลขที่** | **หัวข้อ** | **รายละเอียด** | **หมายเหตุ** |
| 1 | Service Type | Outbound |  |
| 2 | Interface Type | File |  |
| 3 | Data Type | XML |  |

**Environment**

**Outbound**

|  |  |  |  |
| --- | --- | --- | --- |
| **Environment** | **Dev** | **SIT** | **Production** |
| Server | cPAC NAS DEV  10.252.167.22:/vol/SHT\_CPAC | cPAC NAS DEV  10.252.167.22:/vol/SHT\_CPAC | cPAC NAS PROD |
| Debt Status, Write Off | /collection/dev/file\_interface/  order/debt\_status | /collection/sit/file\_interface/order/  debt\_status | /collection/file\_interface/  order/debt\_status |

**Process**

|  |  |  |
| --- | --- | --- |
| **Process** | **Job Name** | **Run Time** |
| Debt Status |  | 20.00 – 21.00 |
| Write Off Status |  | 23.00 – 05.00 |

**Outbound Format**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | PLUGIN\_ACTV\_yyyymmdd\_hh24miss.dat | | | | | |
| **Limitation** | จำนวน Record ต่อไฟล์ต้องไม่เกิน 50,000 Records | | | | | |
|  | จำนวน Record ทั้งหมดต้องไม่เกิน 300,000 Records | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "01" | Char | 2 | M | 01 |  |
| Date | วันที่ทำรายการ(Sysdate) | Char | 255 | M | 20120910\_133800 | Format: yyyymmdd\_hh24miss |
| Sequence No File |  | Number |  | M | 47 |  |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "02" | Char | 2 | M | 02 |  |
| Billing Account No | ข้อมูล BA No. | Char | 30 | M | 31300003586712 |  |
| Mode ID | ข้อมูล Mode ID | Char | 2 | M |  |  |
| Last Upd Date | วันที่ทำรายการ | Char | 30 | M | 20120910\_133800 | Format: yyyymmdd\_hh24miss |
| NULL |  |  |  | O |  |  |
| Assign Date | วันที่ Assign | Char | 20 | M | 20120910 | Format: yyyymmdd |
| Assign Amount | จำนวน Assign Amount | Double |  | M |  |  |
| Charge Amount | ค่าธรรมเนียม | Double |  | O |  | ค่าธรรมเนียมในการต่อสัญญาณ (Order Fee) |
| Nego Status | สถานะ Nego Flag | Char | 20 | M | Y,N | เฉพาะลูกค้า NG |
| Legal Status | สถานะ Legal Flag | Char | 20 | M | Y,N | เฉพาะลูกค้า LG |
| WO Date | วันที่ทำ Write Off | Char | 20 | O |  | เฉพาะลูกค้า WO Format: yyyymmdd |
| **Footer Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "09" | Char | 2 | M | 09 |  |
| Total Record | จำนวนข้อมูล body | Number |  | M | 2 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | PLUGIN\_ACTV\_yyyymmdd\_hh24miss.sync | | | | | |
| **Limitation** | None | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure: None** | | | | | | |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| File Name | ชื่อไฟล์ | Char | 30 | M | PLUGIN\_ACTV\_yyyymmdd\_hh24miss.dat |  |
| File Size | ขนาดของไฟล์ หน่วยเป็น Byte | Char | 30 | M | 1258 |  |
| **Footer Structure: None** | | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Mode ID** | **Description** | **Status** | **Status** |
| WO,WOC | Write Off | Complete | - |
| LG | Legal | In Progress | Y |
|  |  | Complete | N |
| NE | Negotiate | Nego Started | Y |
|  |  | Cancelled, Nego Completed, Nego Failed | N |
| TH | Tele | In Progress | - |
| LT | Letter | Complete | - |
| TP | Third Party | In Progress | - |
| D1 | Suspend | Complete | - |
| CT | Terminate | Complete | - |

**ตัวอย่างข้อมูล**

**File Name:** PLUGIN\_ACTV\_20151015\_232541.dat

01|20150906\_210002|1

02|31300003586712|WO|20150906205945||20150906|107.00|0|N|N|20150906

02|31300003586714|WO|20150906205945||20150906|107.00|0|N|N|20150906

09|2

**File Name:** PLUGIN\_ACTV\_20151015\_232541.sync

PLUGIN\_ACTV\_20151015\_232541.dat|1528

* + - 1. **Exempt Blacklist/De-Blacklist**

|  |  |  |  |
| --- | --- | --- | --- |
| **Service** | | Exempt Blacklist/De-Blacklist | |
| **Description** | | ระบบ Collection ส่งขอมูลการทำ Exempt Blacklist/De-Blacklist ไปที่ระบบ SFF ซึ่งเป็นข้อมูล Master ของ ระบบ Blacklist | |
| **Requester** | | ระบบ cPAC Collection | |
| **Provider** | | ระบบ SFF | |
| **System Flow** | | | |
| |  | | --- | |  | | | | |
| **Process Detail** | | | |
|  | | | |
| **รายละเอียดของ Service** | | | |
| **เลขที่** | **หัวข้อ** | **รายละเอียด** | **หมายเหตุ** |
| 1 | Service Type | Outbound |  |
| 2 | Interface Type | File |  |
| 3 | Data Type | Text File |  |
| 4 | Input Format |  |  |
| 5 | Output Format |  |  |

**Environment**

**Outbound**

|  |  |  |  |
| --- | --- | --- | --- |
| **Environment** | **Dev** | **SIT** | **Production** |
| Server | cPAC NAS DEV  10.252.167.22:/vol/SHT\_CPAC | cPAC NAS DEV  10.252.167.22:/vol/SHT\_CPAC | cPAC NAS PROD |
| Exempt Blacklist/De-Blacklist | /collection/dev/file\_interface/  order/exempt\_bl\_dl | /collection/sit/ file\_interface/  order/exempt\_bl\_dl | /collection/file\_interface/  order/exempt\_bl\_dl |

**Process**

|  |  |  |
| --- | --- | --- |
| **Process** | **Job Name** | **Run Time** |
| Exempt Blacklist/De-Blacklist |  | ทุกๆ 3 ชั่วโมง |

**Outbound Format**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | Exempt\_BL\_DL\_yyyymmdd\_hh24miss.dat | | | | | |
| **Limitation** | None | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "01" | Char | 2 | M | 01 |  |
| Sysdate | วันที่ทำรายการ |  |  | M | 20120910\_133800 | Format: yyyymmdd\_hh24miss |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "02" | Char | 2 | M | 02 |  |
| Exempt\_ID | รหัส Exempt ID | Char | 10 | M | 1 |  |
| Exempt Mode | ข้อมูล Exempt Mode | Char | 30 | M | Blacklist, De-Blacklist |  |
| CA No | รหัส Customer Account (CA) | Char | 30 | M | 3X-43X5 |  |
| BA No | รหัส Billing Account (BA) | Char | 30 | O | 881009232132 |  |
| Mobile No | เลขหมายโทรศัพท์ | Char | 10 | O |  |  |
| EXEMPT\_START\_DT | วันเวลาที่เริ่มมีผลของการ Exempt | Char | 20 | M | 20160115\_183900 | Format: yyyymmdd\_hh24miss |
| EXEMPT\_END\_DT | วันเวลาที่สิ้นสุดการ Exempt | Char | 20 | M | 20160118\_000000 | Format: yyyymmdd\_hh24miss |
| **Footer Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| Record Type | Value "09" | Char | 2 | M | 09 |  |
| n\_TextLine | จำนวนข้อมูลส่วนของ Body ในไฟล์ | Number |  | M | 2 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **File Name** | Exempt\_BL\_DL\_yyyymmdd\_hh24miss.sync | | | | | |
| **Limitation** | None | | | | | |
| **Delimiter** | "|" (Pipe) | | | | | |
| **Header Structure: None** | | | | | | |
| **Body Structure** | | | | | | |
| **Field name** | **Description or Value** | **Data Type** | **Length** | **M/O** | **Simple Data** | **Remark** |
| File Name | ชื่อไฟล์ | Char | 30 | M | Exempt\_BL\_DL\_yyyymmdd\_hh24miss.dat |  |
| File Size | ขนาดของไฟล์ หน่วยเป็น Byte | Char | 30 | M | 1258 |  |
| **Footer Structure: None** | | | | | | |

**ตัวอย่างข้อมูล**

**File Name:** Exempt\_BL\_DL\_20160115\_232541.dat

01|20160115\_232541

02|123|Blacklist|3X-3211|81321111||20160115\_183900|20160118\_000000

02|123|Blacklist|3X-3211|81321112||20160115\_183900|20160118\_000000

09|2

**File Name:** Exempt\_BL\_DL\_20160115\_232541.sync

Exempt\_BL\_DL\_20160115\_232541.dat|1528