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Integration Specification

Integration with HADOOP

Version 0.4

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This document outlines the interface specification for integration

# VERSION HISTORY

|  |  |  |  |
| --- | --- | --- | --- |
| VERSION | DATE | CHANGE | BY |
| 0.1 | 08/05/2020 | Creating of document | Parthipan Rajagopal |
| 0.2 | 12/05/2020 | Formatting changes & 1st Draft to review | Romet Roosalu |
| 0.3 | 13/05/2020 | Changes as per discussion on conf-call | Parthipan Rajagopal |
| 0.4 | 13/05/2020 | Interface “Cross selling cluster reload (INTHDP013)” updated, additional field CATEGORY and CLUSTER\_TYPE introduced | Parthipan Rajagopal |

# INTEGRATION SPECIFICATION

## Interfaces

|  |  |
| --- | --- |
| INTERFACE ID | NAME |
| INTHDP001 | Site Mapping |
| INTHDP002 | Primary MOBO |
| INTHDP003 | Secondary MOBO |
| INTHDP004 | Daily SIM Selling Outlet (SSO) |
| INTHDP005 | RGU-GA with Injection |
| INTHDP006 | Tertiary Sales |
| INTHDP007 | Organization MOBO Balance |
| INTHDP008 | Prepaid Service Revenue |
| INTHDP009 | MOBO Usage Revenue |
| INTHDP010 | Acquisition Revenue |
| INTHDP011 | Low revenue Sites |
| INTHDP012 | Sites with RGU-GA |
| INTHDP013 | Cross Selling Cluster Reload |
| INTHDP014 | Cross Selling Area Data Package |
| INTHDP015 | Outlet Program Achiever |
| INTHDP016 | Onetime Allocation Payment |
| INTHDP017 | URO 20K |

## Application

|  |  |  |  |
| --- | --- | --- | --- |
| ENVIRONMENT | LOCATION | IP | LOGICAL SERVER NAME |
| Production | Client Network DC1 | 10.34.19.136 – PROD  10.34.45.198 – SIT  10.34.45.201 – UAT  10.34.45.204 – Pre-PROD | Batch Servers |

## Sub-Systems

|  |  |  |  |
| --- | --- | --- | --- |
| ENVIRONMENT | LOCATION | IP | LOGICAL SERVER NAME |
| Production | Client Network DC1 | 10.34.163.\* (Subnet mask) | N/A |

## Authentication

### Protocol

MOBII accept offline files from surrounding systems using SFTP access. All incoming files to MOBII must be copied to MOBII server path. Server access details will be communicated with team before deployment. SFTP access (port 22) between Surrounding (HADOOP) to MOBII must be enabled by Indosat hardware team.

### Authentication

Next user is created in MOBII for HADOOP to copy files:

Servers: 10.34.19.136

Username: hdpuser

Password: *<shared privately>*

Group: hdpgroup

# STANDARDS

## Offline data file feed

MOBII follows ASCII file interface for offline file integration. MOBII always follows few standards for its offline file integration with surrounding system the same is described as follows,

* Offline file has the format of ASCII text file and one record per line.
* First line of record is reserved for header.
* Even if there is no record available for the day still file must be shared to MOBII just with header.
* HADOOP must push the files to MOBII SFTP server path. File format and path are explained in corresponding interface section.
* While sharing file to MOBII path there must be two files shared for each interface. One file is called actual file it contains the actual records and another file is called control file and it contains Meta data information about actual file (for file contents please refer next section).
* Only agreed file names will be considered from SFTP path.
* Other files will not be considered for process and MOBII support team can delete from SFTP path by not informing to anyone.
* MOBII schedulers are configured to accept the files from 2AM daily, so file must be available in MOBII SFTP path before that.
* After that MOBII process starts validating on record level. If there are record level rejection while processing, System shall process all success records & generate rejected file for all rejected records with reason of rejection & copy this file to rejected folder path. System shall also send mail to operations team for intimation of rejected files.
* Both rejected and actual files are moved to backup and available to download from MOBII web UI for a particular period after that that it will be deleted from system.
* All files (control, actual, rejected actual and rejected control) will be zipped (.gz format) & pushed to SFTP/FTP server. MD5 key will be generated before zipped.
* Fields delimiter:
  + Actual file: pipe – '|', field values that contain the pipe character
* Control file: the field separator will be TAB.
* Below status will be maintained for each file:
  + File Received
  + File Processed
  + File Completed
  + File Rejected
  + File Partially Rejected

### Control file

MOBII always accept the offline files along with control file, this file needs to be generated for every sync file.

Control file contains below details with <TAB> delimiter.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | Sync file gen Date | Yes | Date Time | Date of file generated. In the format YYYY-MM-DD HH:MM:SS in 24 hour format |
| 2 | Number of Row in Sync File | Yes | Number | Number of rows in the .csv file including header. |
| 3 | Size | Yes | Number | Sync file size in bytes |
| 4 | Hash Key | Yes | String | MD5 hash key of sync .csv file. /usr/bin/md5sum UNIX command will be used to generate the key. |
| 5 | Sync File name | Yes | String | File name of dump/sync file. |

* Both control file and actual file names must be same and only file extension will be different.
* HADOOP must copy the actual file first to the SFTP path and then control file, when MOBII transfer the file from SFTP to local it searches the control file first and then actual file.
* MOBII will generate the MD5 hash key for actual file and compare this key with control file key and additionally it will validate with file size and number of rows between actual and control file specification. If any mismatch identified, then those file statuses will be changed to rejected and notified to MOBII support for further action.

### Sample of actual and control file

|  |  |
| --- | --- |
| File | Description |
|  | Actual file |
|  | Control file |

### File Frequency

|  |  |  |
| --- | --- | --- |
| No | Field | Description |
| 1 | Daily | File shared to MOBII SFTP once in a day |
| 2 | Monthly | File shared to MOBII SFTP once in a month |
| 3 | Hourly | File shared to MOBII SFTP every hour |
| 4 | Weekly | File shared to MOBII SFTP once in a week |

### Data Frequency

D – Referred for Date (D-1 is considered as yesterday)

M – Referred for Month (M-1 is considered previous month)

W – Referred for Week (W-1 is considered previous week)

### Possible Rejection Cases

### File rejection reasons

* If generated MD5 hash key does not match or other values from control file does not match.
* During file processing, if file is not as per expected format.
* Columns missing in file (Heading level validation first row).

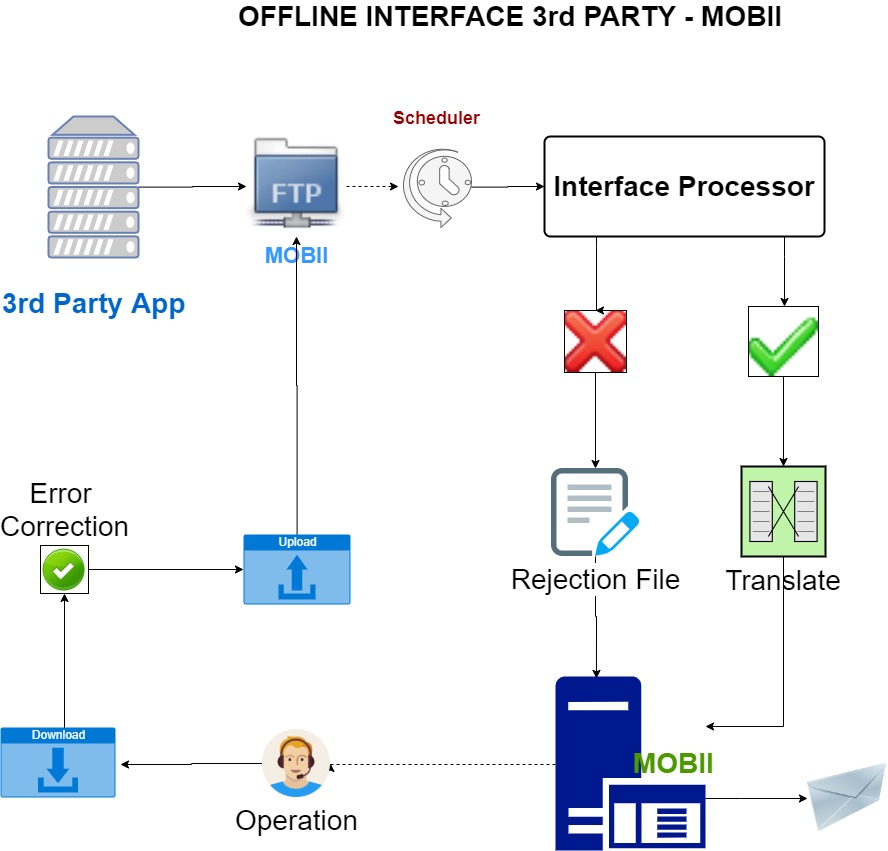
### Record rejection reasons

* During file processing, if any record is rejected, all records will be processed except the erroneous one.
* Such rejected records details will be collected in separate file and would be pushed to FTP path & alert will be sending to operation team on email. User needs to download and correct such records & upload it back to MOBII again
* Common cases for record rejection:
  + Reference data not existing in system
  + Product ID does not exist in system
  + Org code does not exist in system
* All dependent transactions related to error record will also get rejected.

### Rejection types & errors

|  |  |
| --- | --- |
| ERROR ID | ERROR MESSAGE |
| 101 | Unknown error on validation |
| 1002 | No of columns not exist correctly--> <<Record in File>> |
| 1004 | Duplicate record exists in the shared file |
| 1006 | Mandatory Field <<Field Name>> is missing |
| 1009 | <<Field>> contains invalid data <<Field Value>> |
| 3001 | Invalid Organization: <<VALUE>> |
| 3002 | Organization is not in active status: <<VALUE>> |

### Process flowchart



# INTERFACES

## SITE MAPPING (INTHDP001)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | Snapshot |

### Context goal

1. HADOOP system will generate a daily file for latest site mapping snapshot information.
2. MOBII use this mapped file to identify the corresponding sales territory from various other interfaces which supplies data based on site id.
3. File name must include prepared date with time, (current date with time)
4. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
5. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All sales territory ids must be pre-created in MOBII.

### Post-conditions

1. If MOBII has given SITE ID and there is no change with mapping it skip the row.
2. If MOBII has given SITE ID and there are changes in with mapping then it replaces the mapping in system and stores the modified date.
3. If MOBII is not having given SITE ID then it will create a new record for it.

### File naming

site\_mapping\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is site\_mapping\_bi\_20200203013512.csv.gz
* Sample Control File Name is site\_mapping\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/site\_mapping/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ site\_mapping /
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ site\_mapping /
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ site\_mapping /
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ site\_mapping /

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Site mapping date with sales territory |
| 2 | SITE\_ID | Yes | String | Unique reference code for site reference |
| 3 | LONGITUDE | Yes | Double | Site location longitude (Max 15 decimal points are allowed) |
| 4 | LATITUDE | Yes | Double | Site location latitude (Max 15 decimal points are allowed) |
| 5 | MICRO\_CLUSTER | Yes | String | Micro cluster reference code from sales territory |
| 6 | SALES\_CLUSTER | Yes | String | Cluster reference code from sales territory |
| 7 | SALES\_AREA | Yes | String | Sales area reference code from sales territory |
| 8 | AREA | Yes | String | Area reference code from sales territory |
| 9 | REGION | Yes | String | Region reference code from sales territory |
| 10 | JAVA\_NONJAVA | Yes | String | Region classification type |
| 11 | SITE\_NAME | Yes | String | Site name for reference |
| 12 | SITE\_POPULATION | Yes | Number | No of subscribers linked with this SITE. |

**Example:**

|  |
| --- |
| DATE|SITE\_ID|LONGITUDE|LATITUDE|MICRO\_CLUSTER|SALES\_CLUSTER|SALES\_AREA|AREA|REGION|JAVA\_NONJAVA|SITE\_NAME|SITE\_POPULATION  20200506|01COW015|106.78437|-6.28178|MC-KEBAYORAN|JB-JAK-JAKARTA SELATAN|SOUTH JAKARTA|JAKARTA|Jabotabek|JAVA|M\_LAP\_TNS\_PI|12345  20200506|01JKB006|106.76925|-6.197|MC-KEBON JERUK-KEMBANGAN|JB-JAK-JAKARTA BARAT|WEST JAKARTA|JAKARTA|Jabotabek|JAVA|POLIYAMA|76543 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|SITE\_ID|LONGITUDE|LATITUDE|MICRO\_CLUSTER|SALES\_CLUSTER|SALES\_AREA|AREA|REGION|JAVA\_NONJAVA|SITE\_NAME|SITE\_POPULATION|ERROR\_CODE|ERROR\_MESSAGE  20200506||106.78437|-6.28178|MC-KEBAYORAN|JB-JAK-JAKARTA SELATAN|SOUTH JAKARTA|JAKARTA|Jabotabek|JAVA|M\_LAP\_TNS\_PI|12345|1001|Mandatory field SITE\_ID is missing  20200506|01JKB006|106.76925|-6.197|MC-KEBON JERUK-KEMBANGAN|JB-JAK-JAKARTA BARAT|WEST JAKARTA|JAKARTA|Jabotabek|JAVA|POLIYAMA|76543|Given MICRO\_CLUSTER id is not exist in MOBII |

## PRIMARY MOBO (INTHDP002)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | D-9 to D-2 (7D) |

### Context goal

1. HADOOP system will generate a daily file for MOBO balance allocation from Indosat to MPC wallet.
2. This file contains data for previous 7 days from D-2. This means when MOBII receive file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file allocation date from 20200430 from 20200506.
3. MOBII always consider latest processed file records, when MOBII receive same allocation date and MPC code in latest file it will replace the previously stored transaction value.
4. HADOOP must accumulate the amount based on date and MPC code. If MOBII found same allocation date and MPC code within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for standard report data view and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All MPC ids must be pre-created in MOBII.

### Post-conditions

1. Accumulated MOBO amount for each MPC can be viewed in standard report dashboard.

### File naming

primary\_mobo\_bi \_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is primary\_mobo\_bi \_20200203013512.csv.gz
* Sample Control File Name is primary\_mobo\_bi \_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/primary\_mobo/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ primary\_mobo/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ primary\_mobo/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ primary\_mobo/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ primary\_mobo/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | MPC\_CODE | Yes | String | MPC reference code |
| 2 | MOBO\_DATE | Yes | Date – YYYYMMDD | MOBO allocation date |
| 3 | AMOUNT | Yes | Double | Accumulated amount for the given date (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| MPC\_CODE|MOBO\_DATE|AMOUNT  D3070027|20200427|150000000  D30161|20200427|1000000000 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| MPC\_CODE|MOBO\_DATE|AMOUNT|ERROR\_CODE|ERROR\_MESSAGE  D3070027|20200427|150000000|1001|Mandatory Field MPC\_CODE is missing  D30161|20200427|1000000000|1002|Given MPC\_CODE is not available in system |

## SECONDARY MOBO (INTHDP003)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | D-9 to D-2 (7D) |

### Context goal

1. HADOOP system will generate a daily file for MOBO balance injection from MPC wallet to Outlet wallet. This includes direct allocation from MPC login using MOBO and allocation by CSO using MOBII and other channels (if any).
2. This file contains data for previous 7 days from D-2. This means when MOBII receive file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file allocation date from 20200430 from 20200506.
3. MOBII always consider latest processed file records, when MOBII receive same DATE, MPC\_CODE and ORGANIZATION\_ID in latest file it will replace the previously stored transaction value.
4. HADOOP must accumulate the amount based on date and MPC\_CODE and ORGANIZATION\_ID. If MOBII found same DATE, MPC\_CODE and ORGANIZATION\_ID within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for CSO incentive calculation and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All MPC and ORGANIZATION\_ID must be pre-created in MOBII.

### Post-conditions

1. MOBO value will be stored against outlet based on given organization id.
2. Based on organization id CSO will be identified using operator mapping and used for incentive calculation.

### File naming

secondary\_mobo\_bi \_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is secondary\_mobo\_bi \_20200203013512.csv.gz
* Sample Control File Name is secondary\_mobo\_bi \_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/secondary\_mobo/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ secondary\_mobo/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ secondary\_mobo/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ secondary\_mobo/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ secondary\_mobo/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | MPC\_CODE | Yes | String | MPC reference code |
| 2 | DATE | Yes | Date – YYYYMMDD | MOBO Sell-in date |
| 3 | ORGANIZATION\_ID | Yes | String | Unique outlet reference code |
| 4 | DEALER\_MSISDN | Yes | String | Outlet SaldoMOBO MSISDN number |
| 5 | AMOUNT | Yes | Double | Accumulated Sell-in amount for the given date (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| MPC\_CODE|DATE|ORGANIZATION\_ID|DEALER\_MSISDN|AMOUNT  D1032952|20200427|17236904|6285763469133|700000.0  D3070004|20200427|1303205|6281558718848|35000.0 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| MPC\_CODE|DATE|ORGANIZATION\_ID|DEALER\_MSISDN|AMOUNT|ERROR\_CODE|ERROR\_MESSAGE  D1032952|20200427|17236904|6285763469133|700000.0|1001|Mandatory Field MPC\_CODE is missing  D3070004|20200427|1303205|6281558718848|35000.0|1002|Given MPC\_CODE is not available in system |

## D-SSO (INTHDP004)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | MTD-2 |

### Context goal

1. # of outlet that daily injected reload or data package to New SP in M0 or M-1

Includes all outlet (both FISIK and NON-FISIK)

Based on favorite location (Site Wise)

Reload/Data voucher redemption to new SP is also part of DSSO.

1. This file contains data from month start date to D-2. This means when MOBII receive file in his SFTP path on 01-May-2020 (20200501), file name contains date 01-May-2020 (20200501) and inside file injection date from 20200401 from 20200429.
2. MOBII always consider latest processed file records, when MOBII receive same DATE and ID\_OUTLET in latest file it will replace the previously stored transaction value.
3. If MOBII found any duplicate row (DATE|MICRO|SITE\_ID|ID\_OUTLET) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
4. This file data is used for MPC/CSO incentive calculation, standard report view and if required can also be used other functions from upcoming change request.
5. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
6. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All ID\_OUTLET, SITE\_ID and MICRO must be pre-created in MOBII.

### Post-conditions

1. Given injection qty value will be stored in MOBII.

### File naming

daily\_sso\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is daily\_sso\_bi\_20200203013512.csv.gz
* Sample Control File Name is daily\_sso\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/d\_sso/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ d\_sso/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ d\_sso/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ d\_sso/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ d\_sso/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Injection to new SP date |
| 2 | MICRO | Yes | String | Unique micro cluster reference code |
| 3 | SITE\_ID | Yes | String | Unique site reference code |
| 4 | ID\_OUTLET | Yes | String | Outlet unique reference code |
| 5 | QTY | Yes | Number | Accumulated injected new SP quantity for the given date |
| 5 | AMOUNT | Yes | Double | Accumulated injection amount to new SP for the given date (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|ID\_OUTLET|QTY|AMOUNT  20200430|MC-TABANAN|21TAB045|17113972|56.0|442000.0  20200427|MC-WONOGIRI|14WNG030|17126980|4.0|100000.0 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|ID\_OUTLET|QTY|AMOUNT |ERROR\_CODE|ERROR\_MESSAGE  20200430|MC-TABANAN||17113972|56.0|442000.0|1001|Mandatory Field SITE\_ID is missing  20200427|MC-WONOGIRI|14WNG030|17126980|4.0|100000.0|1002|Given ID\_OUTLET is not available in system |

## RGU-GA WITH INJECTION (INTHDP005)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | MTD-2 |

### Context goal

1. HADOOP will share the daily file to MOBII which contains all RGU-GA details with accumulated injection amount information.
2. This file contains data from month start date to D-2. This means when MOBII receive file in his SFTP path on 01-May-2020 (20200501), file name contains date 01-May-2020 (20200501) and inside file rgu-ga date from 20200401 from 20200429.
3. MOBII always consider latest processed file records, when MOBII receive same DATE and ID\_OUTLET in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|MICRO|SITE\_ID|ID\_OUTLET) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for MPC/CSO incentive calculation, standard report view and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All ID\_OUTLET, SITE\_ID and MICRO must be pre-created in MOBII.

### Post-conditions

1. Given RGU-GA quantity value will be stored in MOBII.

### File naming

rgu\_ga\_injection\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is rgu\_ga\_injection\_bi \_20200203013512.csv.gz
* Sample Control File Name is rgu\_ga\_injection\_bi \_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/rgu\_injection/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ rgu\_injection/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ rgu\_injection/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ rgu\_injection/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ rgu\_injection/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | RGU-GA date from new SP |
| 2 | MICRO | Yes | String | Unique micro cluster reference code |
| 3 | SITE\_ID | Yes | String | Unique site reference code |
| 4 | ID\_OUTLET | Yes | String | Outlet unique reference code |
| 5 | STATUS\_INJECTION | Yes | String | Status of injection of received RGU-GA SP |
| 5 | FLAG\_ACM | Yes | String | Accumulated injection value |
| 6 | COUNT\_MSISDN | Yes | Number | Total number of new SP RGU-GA received |

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|ID\_OUTLET|STATUS\_INJECTION|FLAG\_ACM |COUNT\_MSISDN  20200504|MC-KEDIRI1|20KDR149|17152860|injected|c. >=7k - <10k|1  20200504|MC-BLOREM|14RBG020|17237761|injected|c. >=7k - <10k|1 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|ID\_OUTLET|STATUS\_INJECTION|FLAG\_ACM |COUNT\_MSISDN|ERROR\_CODE|ERROR\_MESSAGE  20200504|MC-KEDIRI1||17152860|injected|c. >=7k - <10k|1|1001|Mandatory Field SITE\_ID is missing  20200504|MC-BLOREM|14RBG020|17237761|injected|c. >=7k - <10k|1|1002|Given ID\_OUTLET is not available in system |

## TERTIARY SALES (INTHDP006)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | D-9 to D-2 (7D) |

### Context goal

1. HADOOP will share the daily file to MOBII which contains all recharge done by end customer including direct reload or data package to old SP and voucher redemption. Injection to blank voucher or blank SP is not part of the sales.
2. This file contains data for previous 7 days from D-2. This means when MOBII receive file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file allocation date from 20200430 from 20200506.
3. MOBII always consider latest processed file records, when MOBII receive same DATE and ID\_OUTLET in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|MICRO|SITE\_ID|OUTLET) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for MPC incentive calculation, standard report view and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All ID\_OUTLET, SITE\_ID and MICRO must be pre-created in MOBII.

### Post-conditions

1. Tertiary sales amount will be stored in MOBII against outlet and site reference.

### File naming

tertiary\_sales\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is tertiary\_sales\_bi\_20200203013512.csv.gz
* Sample Control File Name is tertiary\_sales\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/tertiary/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ tertiary/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ tertiary/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ tertiary/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ tertiary/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Transaction (recharge) date (MOBO reload/data package to old SP or VC redeem date). |
| 2 | MICRO | Yes | String | Unique micro cluster reference code |
| 3 | SITE\_ID | Yes | String | Unique site reference code |
| 4 | OUTLET | Yes | String | Outlet unique reference code |
| 5 | AMOUNT | Yes | Double | Accumulated recharge amount for the date (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|OUTLET|AMOUNT  20200504|MC-KEDIRI1|20KDR149|17152860|8765445.0  20200504|MC-BLOREM|14RBG020|17237761|45678876.0 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|OUTLET|AMOUNT|ERROR\_CODE|ERROR\_MESSAGE  20200504|MC-KEDIRI1||17152860|8765445.0|1001|Mandatory Field SITE\_ID is missing  20200504|MC-BLOREM|14RBG020|17237761|45678876.0|1002|Given ID\_OUTLET is not available in system |

## ORGANIZATION MOBO BALANCE (INTHDP007)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | D-9 to D-2 (7D) |

### Context goal

1. HADOOP will share the daily file to MOBII which contains all organizations closing balance for the date. Balance include MOBO wallet amount (all wallet types) and Injection to blank voucher but still not redeemed is also part of the balance.
2. This file contains data for previous 7 days from D-2. This means when MOBII receive file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file allocation date from 20200430 from 20200506.
3. MOBII always consider latest processed file records, when MOBII receive same DATE and ORG\_CODE in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (MOBO\_DATE|ORG\_CODE) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for standard report view and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All ORG\_CODE must be pre-created in MOBII.

### Post-conditions

1. Balance amount will be stored in MOBII against given organization reference.

### File naming

organization\_closing\_balance\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is organization\_closing\_balance\_bi\_20200203013512.csv.gz
* Sample Control File Name is organization\_closing\_balance\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/org\_close\_bal/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/org\_close\_bal/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ org\_close\_bal/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ org\_close\_bal/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ org\_close\_bal/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | MOBO\_DATE | Yes | Date – YYYYMMDD | Date for the closing balance |
| 2 | ORG\_CODE | Yes | String | Unique organization reference code (Both MPC and Outlet) |
| 3 | AMOUNT | Yes | Double | Accumulated balance amount for the date. (All wallet type and non-redeemed from blank voucher) (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| MOBO\_DATE|ORG\_CODE|AMOUNT  20200504|17152860|8765445098.0  20200504|17237761|4567887698.0 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| MOBO\_DATE|ORG\_CODE|AMOUNT|ERROR\_CODE|ERROR\_MESSAGE  20200504||8765445098.0|1001|Mandatory Field ORG\_CODE is missing  20200504|17237761|4567887698.0|1002|Given ORG\_CODE is not available in system |

## PREPAID SERVICE REVENUE (INTHDP008)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | D-9 to D-2 (7D) |

### Context goal

1. HADOOP will share the daily file to MOBII which contains all type of prepaid revenue types and gross revenue value.
2. This file contains data for previous 7 days from D-2. This means when MOBII receive file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file allocation date from 20200430 from 20200506.
3. MOBII always consider latest processed file records, when MOBII receive same DATE and SITE\_ID in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|SITE\_ID) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for MPC Incentive and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All SITE\_ID must be pre-created in MOBII.

### Post-conditions

1. Revenue amount will be stored in MOBII against given site reference.

### File naming

total\_usage\_revenue\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is total\_usage\_revenue\_bi\_20200203013512.csv.gz
* Sample Control File Name is total\_usage\_revenue\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/total\_revenue/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ total\_revenue/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ total\_revenue/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ total\_revenue/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ total\_revenue/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Revenue date |
| 2 | MICRO | No | String | Unique micro cluster reference code |
| 3 | SITE\_ID | No | String | Unique site reference code |
| 4 | REVENUE\_TYPE | Yes | String | Type of revenue |
| 5 | REVENUE\_TOTAL | Yes | Double | Total revenue for the given date for given type (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|REVENUE\_TYPE|REVENUE\_TOTAL  20200504|MC-BLOREM|14RBG020|voice|8765445098.0  20200504|MC-BLOREM|14RBG020|sms|8765445098.0 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|REVENUE\_TYPE|REVENUE\_TOTAL|ERROR\_CODE|ERROR\_MESSAGE  20200504|MC-BLOREM|14RBG020| |8765445098.0|1001|Mandatory Field REVENUE\_TYPE is missing  20200504|MC-BLOREM|14RBG020|sms|8765445098.0|1002|Given SITE\_ID is not available in system |

## MOBO USAGE REVENUE (INTHDP009)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | D-9 to D-2 (7D) |

### Context goal

1. HADOOP will share the daily file to MOBII which contains all usage from MOBO.
2. This file contains data for previous 7 days from D-2. This means when MOBII receive file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file allocation date from 20200430 from 20200506.
3. MOBII always consider latest processed file records, when MOBII receive same DATE and SITE\_ID in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|SITE\_ID) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for MPC Incentive and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All SITE\_ID must be pre-created in MOBII.

### Post-conditions

1. Usage amount will be stored in MOBII against given site reference.

### File naming

mobo\_usage\_revenue\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is mobo\_usage\_revenue\_bi\_20200203013512.csv.gz
* Sample Control File Name is mobo\_usage\_revenue\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/mobo\_revenue/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ mobo\_revenue/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ mobo\_revenue/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ mobo\_revenue/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ mobo\_revenue/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Revenue date |
| 2 | MICRO | No | String | Unique micro cluster reference code |
| 3 | SITE\_ID | No | String | Unique site reference code |
| 4 | REVENUE | Yes | Double | Total revenue for the given date (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|REVENUE  20200504|MC-BLOREM|14RBG020|765445098.0  20200504|MC-BLOREM|13HBN020|865445098.0 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|REVENUE |ERROR\_CODE|ERROR\_MESSAGE  20200504|MC-BLOREM|14RBG020||1001|Mandatory Field REVENUE is missing  20200504|MC-BLOREM|14RBG020|8765445098.0|1002|Given SITE\_ID is not available in system |

## ACQUISITION REVENUE (INTHDP010)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | D-9 to D-2 (7D) |

### Context goal

1. HADOOP will share the daily file to MOBII which contains total revenue generated by RGU GA in the same month (accumulated).
2. This file contains data for previous 7 days from D-2. This means when MOBII receive file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file allocation date from 20200430 from 20200506.
3. MOBII always consider latest processed file records, when MOBII receive same DATE and SITE\_ID in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|SITE\_ID) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for MPC Incentive and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All SITE\_ID must be pre-created in MOBII.

### Post-conditions

1. Revenue amount will be stored in MOBII against given site reference.

### File naming

total\_rgu\_ga\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is total\_rgu\_ga\_bi\_20200203013512.csv.gz
* Sample Control File Name is total\_rgu\_ga\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/acquisition\_revenue/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ acquisition\_revenue/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ acquisition\_revenue/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ acquisition\_revenue/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ acquisition\_revenue/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Revenue date |
| 2 | MICRO | No | String | Unique micro cluster reference code |
| 3 | SITE\_ID | No | String | Unique site reference code |
| 4 | REVENUE | Yes | Double | Total RGU-GA for the given date (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|REVENUE  20200504|MC-BLOREM|14RBG020|765445098.0  20200504|MC-BLOREM|13HBN020|865445098.0 |

### Processing result & Repsonse

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|REVENUE |ERROR\_CODE|ERROR\_MESSAGE  20200504|MC-BLOREM|14RBG020||1001|Mandatory Field REVENUE is missing  20200504|MC-BLOREM|14RBG020|8765445098.0|1002|Given SITE\_ID is not available in system |

## LOW REVENUE SITES (INTHDP011)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | D-9 to D-2 (7D) |

### Context goal

1. HADOOP will share the daily file to MOBII which contains all sites below revenue threshold.
2. MOBII receive final list of sites (after removing whitelisted)
3. This file contains data for previous 7 days from D-2. This means when MOBII receive file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file allocation date from 20200430 from 20200506.
4. MOBII always consider latest processed file records, when MOBII receive same DATE and SITE\_ID in latest file it will replace the previously stored transaction value.
5. If MOBII found any duplicate row (DATE|SITE\_ID) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
6. This file data is used for MPC Incentive and if required can also be used other functions from upcoming change request.
7. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
8. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All SITE\_ID must be pre-created in MOBII.

### Post-conditions

1. Revenue amount will be stored in MOBII against given site reference.

### File naming

low\_revenue\_site\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is low\_revenue\_site\_bi\_20200203013512.csv.gz
* Sample Control File Name is low\_revenue\_site\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/low\_revenue\_site/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ low\_revenue\_site/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ low\_revenue\_site/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ low\_revenue\_site/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ low\_revenue\_site/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Revenue date |
| 2 | MICRO | Yes | String | Unique micro cluster reference code |
| 3 | SITE\_ID | Yes | String | Unique site reference code |
| 4 | CATEGORY | Yes | String | Site category (Java/Non-Java) |
| 5 | TARGET | No | Double | Target on the revenue (Max 2 decimal points are allowed) |
| 6 | REVENUE | Yes | Double | Actual revenue value (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|CATEGORY|TARGET|REVENUE  20200504|MC-BLOREM|14RBG020|Java|987654456|765445098.0  20200504|MC-BLOREM|13HBN020|Non Java|987654567|865445098.0 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|CATEGORY|TARGET|REVENUE|ERROR\_CODE|ERROR\_MESSAGE  20200504|MC-BLOREM|14RBG020|Java|987654456||1001|Mandatory Field REVENUE is missing  20200504|MC-BLOREM|13HBN020|Non Java|987654567|865445098.0|1002|Given SITE\_ID is not available in system |

## SITES WITH RGU-GA (INTHDP012)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | MTD-2 |

### Context goal

1. HADOOP will share the daily file to MOBII which contains # of macro sites with surrounding outlet and whitelist site from region who has RGU GA contribution with minimum 10 RGU GA per site.
2. MOBII receive final list of sites (after removing whitelisted)
3. This file contains data from month start date to D-2. This means when MOBII receive file in his SFTP path on 01-May-2020 (20200501), file name contains date 01-May-2020 (20200501) and inside file rgu-ga date from 20200401 from 20200429.
4. MOBII always consider latest processed file records, when MOBII receive same DATE and SITE in latest file it will replace the previously stored transaction value.
5. If MOBII found any duplicate row (DATE|SITE) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
6. This file data is used for MPC Incentive and if required can also be used other functions from upcoming change request.
7. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
8. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All SITE\_ID must be pre-created in MOBII.

### Post-conditions

1. RGU-GA quantity will be stored in MOBII against given site reference.

### File naming

site\_rgu\_ga\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is site\_rgu\_ga\_bi\_20200203013512.csv.gz
* Sample Control File Name is site\_rgu\_ga\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/site\_rgu\_ga/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ site\_rgu\_ga/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ site\_rgu\_ga/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ site\_rgu\_ga/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ site\_rgu\_ga/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Revenue date |
| 2 | MICRO | Yes | String | Unique micro cluster reference code |
| 3 | SITE | Yes | String | Unique site reference code |
| 4 | QTY | Yes | Number | RGU-GA quantity |

**Example:**

|  |
| --- |
| DATE|MICRO|SITE|QTY  20200504|MC-BLOREM|14RBG020|15  20200504|MC-BLOREM|13HBN020|20 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|MICRO|SITE|QTY|ERROR\_CODE|ERROR\_MESSAGE  20200504|MC-BLOREM|14RBG020||1001|Mandatory Field QTY is missing  20200504|MC-BLOREM|13HBN020|20|1002|Given SITE\_ID is not available in system |

## CROSS SELLING CLUSTER RELOAD (INTHDP013)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | D-9 to D-2 (7D) |

### Context goal

1. HADOOP will share the daily file to MOBII which contains total reload amount and cross reload amount from every cluster.
2. This file contains data for previous 7 days from D-2. This means when MOBII receive file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file allocation date from 20200430 from 20200506.
3. MOBII always consider latest processed file records, when MOBII receive same DATE and SITE in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|CLUSTER) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for MPC Incentive and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All cluster id must be pre-created in MOBII.

### Post-conditions

1. Total and cross reload amount will be stored in MOBII against given cluster reference.

### File naming

cross\_reload\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is cross\_reload\_bi\_20200203013512.csv.gz
* Sample Control File Name is cross\_reload\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/cross\_reload/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ cross\_reload/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ cross\_reload/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ cross\_reload/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ cross\_reload/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Reload date |
| 2 | CLUSTER\_ID | Yes | String | Unique cluster reference code |
| 3 | CATEGORY | Yes | String | Java / Non Java |
| 4 | CLUSTER\_TYPE | Yes | String | Inner/Outer (when a cluster is having both inner and outer it should be given in two records) |
| 5 | TOTAL\_RELOAD | Yes | Double | Total reload value for the date (Max 2 decimal points are allowed) |
| 6 | CROSS\_RELOAD | Yes | Double | Cross reload for the date (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| DATE|CLUSTER\_ID|CATEGORY|CLUSTER\_TYPE|TOTAL\_RELOAD|CROSS\_RELOAD  20200504|CL-BLOREM|Java|Inner|98765498.0|9876567.0  20200504|CL-JAKARTA|Non Java|Outer|87654567.0|56789876.0 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|CLUSTER\_ID|CATEGORY| CLUSTER\_TYPE|TOTAL\_RELOAD|CROSS\_RELOAD|ERROR\_CODE|ERROR\_MESSAGE  20200504|CL-BLOREM||Java|Inner |98765498.0||1001|Mandatory Field CROSS\_RELOAD is missing  20200504|CL-JAKARTA|Non Java|Outer|87654567.0|56789876.0|1002|Given CLUSTER\_ID is not available in system |

## CROSS SELLING AREA DATA PACKAGE (INTHDP014)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | D-9 to D-2 (7D) |

### Context goal

1. HADOOP will share the daily file to MOBII which contains total data package amount and cross data package amount from every cluster.
2. This file contains data for previous 7 days from D-2. This means when MOBII receive file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file allocation date from 20200430 from 20200506.
3. MOBII always consider latest processed file records, when MOBII receive same DATE and SITE in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|CLUSTER) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for MPC Incentive and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All cluster id must be pre-created in MOBII.

### Post-conditions

1. Total and cross data package amount will be stored in MOBII against given cluster reference.

### File naming

cross\_data\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is cross\_data\_bi\_20200203013512.csv.gz
* Sample Control File Name is cross\_data\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/cross\_data/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ cross\_data/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ cross\_data/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ cross\_data/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ cross\_data/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Reload date |
| 2 | CLUSTER\_ID | Yes | String | Unique cluster reference code |
| 3 | TOTAL\_DATA | Yes | Double | Total data value for the date (Max 2 decimal points are allowed) |
| 4 | CROSS\_DATA | Yes | Double | Cross data value for the date (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| DATE|CLUSTER\_ID|TOTAL\_DATA|CROSS\_DATA  20200504|CL-BLOREM|98765498.0|9876567.0  20200504|CL-JAKARTA|87654567.0|56789876.0 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|CLUSTER\_ID|TOTAL\_DATA|CROSS\_DATA|ERROR\_CODE|ERROR\_MESSAGE  20200504|CL-BLOREM|98765498.0||1001|Mandatory Field CROSS\_RELOAD is missing  20200504|CL-JAKARTA|87654567.0|56789876.0|1002|Given CLUSTER\_ID is not available in system |

## OUTLET PROGRAM ACHIEVER (INTHDP015)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | MTD-2 |

### Context goal

1. HADOOP will share the daily file to MOBII which contains # of outlet that achieve Sultan program following rules from Trade Marketing Division.
2. This file contains data from month start date to D-2. This means when MOBII receive file in his SFTP path on 01-May-2020 (20200501), file name contains date 01-May-2020 (20200501) and inside file rgu-ga date from 20200401 from 20200429.
3. MOBII always consider latest processed file records, when MOBII receive same DATE and ID\_OUTLET in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE| ID\_OUTLET) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for MPC Incentive and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All ID\_OUTLET must be pre-created in MOBII.

### Post-conditions

1. Sales program achievement will be stored in MOBII against given outlet reference.

### File naming

outlet\_program\_achiever\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is outlet\_program\_achiever\_bi\_20200203013512.csv.gz
* Sample Control File Name is outlet\_program\_achiever\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/outlet\_program/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ outlet\_program/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ outlet\_program/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ outlet\_program/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ outlet\_program/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | MONTH\_ID | Yes | Date – YYYYMM | Month reference |
| 2 | CLUSTER | Yes | String | Unique cluster reference code |
| 3 | ID\_OUTLET | Yes | String | Unique outlet reference code |
| 4 | TARGET | Yes | Double | Sales value target (Max 2 decimal points are allowed) |
| 5 | ACTUAL | Yes | Double | Actual sales value of MTD (accumulated) (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| MONTH\_ID|CLUSTER|ID\_OUTLET|TARGET|ACTUAL  202005|CL-BLOREM|14RBG020|98765.0|67895.0  202005|CL-JAKARTA|13HBN020|98765.0|67895.0 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| MONTH\_ID|CLUSTER|ID\_OUTLET|TARGET|ACTUAL|ERROR\_CODE|ERROR\_MESSAGE  202005|CL-BLOREM|14RBG020|98765.0||1001|Mandatory Field ACTUAL is missing  202005|CL-JAKARTA|13HBN020|98765.0|67895.0|1002|Given ID\_OUTLET is not available in system |

## ONTIME ALLOCATION PAYMENT (INTHDP016)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | MTD-2 |

### Context goal

1. HADOOP will share the daily file to MOBII which contains payment allocation percentage.
2. This file contains data from month start date to D-2. This means when MOBII receive file in his SFTP path on 01-May-2020 (20200501), file name contains date 01-May-2020 (20200501) and inside file rgu-ga date from 20200401 from 20200429.
3. MOBII always consider latest processed file records, when MOBII receive same MONTH and MPC\_CODE in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (MONTH|MPC\_CODE) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. This file data is used for MPC Incentive and if required can also be used other functions from upcoming change request.
6. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All MPC\_CODE must be pre-created in MOBII.

### Post-conditions

1. Allocation payment percentage will be stored in MOBII against given MPC reference.

### File naming

ontime\_alloc\_payment\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is ontime\_alloc\_payment\_bi\_20200203013512.csv.gz
* Sample Control File Name is ontime\_alloc\_payment\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/alloc\_payment/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ alloc\_payment/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ alloc\_payment/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ alloc\_payment/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ alloc\_payment/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | MONTH\_ID | Yes | Date – YYYYMM | Month reference |
| 2 | CLUSTER | Yes | String | Unique cluster reference code |
| 3 | MPC\_CODE | Yes | String | Unique MPC reference code |
| 4 | PAYMENT\_ALLOCATION | Yes | Number | Allocation payment percentage |

**Example:**

|  |
| --- |
| MONTH\_ID|CLUSTER|MPC\_CODE |PAYMENT\_ALLOCATION  202005|CL-BLOREM|14RBG020|100  202005|CL-JAKARTA|13HBN020|90 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| MONTH\_ID|CLUSTER|MPC\_CODE |PAYMENT\_ALLOCATION|ERROR\_CODE|ERROR\_MESSAGE  202005|CL-BLOREM|14RBG020||1001|Mandatory Field PAYMENT\_ALLOCATION is missing  202005|CL-JAKARTA|13HBN020|90|1002|Given MPC\_CODE is not available in system |

## URO 20K (INTHDP017)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| FILE FREQUENCY | Daily Once |
| DATA PERIOD | D-9 to D-2 (7D) |

### Context goal

1. HADOOP will share the daily file to MOBII which contains unique outlet counts which make more than 20000 tertiary sales.
2. Given outlet quantity values should be MTD value for the given date.
3. This file contains data for previous 7 days from D-2. This means when MOBII receive file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file allocation date from 20200430 from 20200506.
4. MOBII always consider latest processed file records, when MOBII receive same DATE and OUTLET in latest file it will replace the previously stored transaction value.
5. If MOBII found any duplicate row (DATE|MICRO|SITE\_ID|OUTLET) within the file then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
6. This file data is used for MPC Incentive and if required can also be used other functions from upcoming change request.
7. File must be pushed to MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
8. Once file is copied to MOBII interface server then file will be deleted from SFTP path.

### Pre-conditions

1. Server path is accessible by HADOOP.
2. All SITEs must be pre-created in MOBII.

### Post-conditions

1. Outlet counts will be marked against given site id.

### File naming

uro\_20k\_bi\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is uro\_20k\_bi\_20200203013512.csv.gz
* Sample Control File Name is uro\_20k\_bi\_20200203013512.ctl.gz

### File Path

* SFTP PATH
  + Master: /home/hdpuser/interfaces/HADOOP/master\_files/uro20/
* MOBII Application
  + Master: /snoc/interfaces/S-NOC/interfaces/master\_files/HADOOP/ uro20/
  + Backup: /snoc/interfaces/S-NOC/interfaces/backup/master\_files/ HADOOP/ uro20/
  + Rejected: /snoc/interfaces/S-NOC/interfaces/rejected\_files/ HADOOP/ uro20/
  + Rejected Backup: /snoc/interfaces/S-NOC/interfaces/backup/rejected\_files/ HADOOP/ uro20/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Types | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Date reference |
| 2 | MICRO | Yes | String | Unique micro cluster reference code |
| 3 | SITE\_ID | Yes | String | Unique site reference code |
| 4 | OUTLET | Yes | String | Unique Id outlet |
| 5 | HIT | Yes | Number | Number transactions |
| 6 | AMOUNT | Yes | Double | Total tertiary value (Max 2 decimal points are allowed) |

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|OUTLET |HIT|AMOUNT  20200504|MC-PEMALANG|14PML014|170000|36|701900.0  20200504|MC-SAMARINDA 1|19SMR012|1666665A|18|437250.0 |

### Processing result & Response

File status can be tracked from MOBII web. If any records are rejected, then rejected files can be downloaded from MOBII web which contains all columns of original file and additionally ERROR\_CODE|ERROR\_MESSAGE.

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|OUTLET |HIT|AMOUNT|ERROR\_CODE|ERROR\_MESSAGE  20200504|MC-PEMALANG|14PML014||36|701900.0|1001|Mandatory Field OUTLET is missing  20200504|MC-SAMARINDA 1|19SMR012|2|18|437250.0|1002|Given SITE\_ID is not available in system |

# ANNEXURES

## Appendix A: Analysis Documentation

In this section is list of files / document names / provided links to all diagrams, models, additional findings pertinent to technical specification development:

|  |  |
| --- | --- |
| FILE | DESCRIPTION |
|  | Collected Business & Functional Requirements Specification from TIMWETECH |
|  | IBRS from ISAT |

## Appendix B: Open Issues

In this section are all unresolved issues, TBDs, pending decisions, findings required, conflicts, etc.

|  |  |  |  |
| --- | --- | --- | --- |
| ID | DESCRIPTION | RESPONSIBLE | STATUS |
|  | If any site or organization reference given in file feed not (mapping) found in MOBII then record should not be rejected. In feed there are possible for given organization code is not available in MOBII but still this records need to be aggregated to site or micro cluster level. | Parthipan | Open |
|  | Where ever HADOOP file contains MICRO and SITE ID then it should be mapped based on the transaction date mapping not based on the latest mapping (file preparation time) | Robby | Open |
|  | INTHDP004, INTHDP005 and INTHDP017 mandatory information for fields has to be confirmed. | Robby | Open |

# APPROVAL SIGN-OFF

I have received soft copy of current version document via e-mail, reviewed and approved confirm with reply to e-mail and as undersigned, I change request and agree that it’s appropriate:

|  |  |  |
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| 1. **PARTHIPAN RRAJAGOPAL** Business Analytic (ENHANCESYS) |  |  |
|  | Signature | Date |
| 1. **ROMET ROOSALU** Project Manager (TIMWETECH) |  |  |
|  | Signature | Date |
| 1. **YOKIE YUSNIKA SUPONO** Project Manager (INDOSAT) |  |  |
|  | Signature | Date |
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| 1. **DEDY ANDRIAN WIDYANTO** HADOOP DevOps (INDOSAT) |  |  |
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