Version 1.9

February 1, 2021



INTEGRATION DESIGN & SPECIFICATION

Module: Integration with Surroundings

**Integration with HADOOP**

**Contact Information**

|  |  |
| --- | --- |
| For queries, clarifications and all aspects of this proposal | Parthipan Rajagopal  Business Analyst  Enhancesys Innovations Private Ltd  #658, 17th H Main Road, Koramangala 6th Block, Bangalore-560095, India  +91 8867248289  Parthipan.rajagopal@enhancesys.com |

**Confidentiality and Copyright Notice**

|  |
| --- |
| The information contained in this document and all its attachments is proprietary and confidential to Enhancesys Innovations Private Limited and its Affiliates (“Enhancesys”). This document is furnished in confidence to the recipient with the understanding that it will not, without the express written permission of Enhancesys, be used or disclosed to anybody.    This document, together with all appendices and supporting documents, is the exclusive copyright of Enhancesys (all rights reserved). No part, or the whole, may be reproduced or edited, stored in a retrieval system, or transmitted in any form or by any means including, but not limited to, electronic, mechanical, photocopying, scanning, recording, facsimile, overprinting or otherwise, without the prior written permission of Enhancesys.  The recipient will use the same care and discretion to avoid disclosure, publication or dissemination of the information as it uses with its own proprietary and confidential information that it does not wish to disclose, publish or disseminate. |

**Table of Contents**

[VERSION HISTORY 12](#_Toc63091929)

[INTEGRATION SPECIFICATION 13](#_Toc63091930)

[Interfaces 13](#_Toc63091931)

[Application 15](#_Toc63091932)

[Sub-Systems 15](#_Toc63091933)

[Authentication 15](#_Toc63091934)

[Protocol 15](#_Toc63091935)

[Authentication 15](#_Toc63091936)

[Online interfaces 15](#_Toc63091937)

[STANDARDS 17](#_Toc63091938)

[SNOC OFFLINE DATA FEED SYNCRONIZATION 17](#_Toc63091939)

[Control file 17](#_Toc63091940)

[Sync frequency 18](#_Toc63091941)

[Data Processing Frequency: 18](#_Toc63091942)

[SNOC record level processing 19](#_Toc63091943)

[File Rejection reasons 19](#_Toc63091944)

[Record rejection reasons 19](#_Toc63091945)

[Process flowchart 20](#_Toc63091946)

[Online API interface 20](#_Toc63091947)

[Process flowchart 21](#_Toc63091948)

[INTERFACES 22](#_Toc63091949)

[INTHDP001: SITE MAPPING 22](#_Toc63091950)

[Context goal 22](#_Toc63091951)

[Pre-conditions 22](#_Toc63091952)

[Post-conditions 22](#_Toc63091953)

[File naming 22](#_Toc63091954)

[File Path 23](#_Toc63091955)

[Data feed fields 23](#_Toc63091956)

[Processing result & Response 24](#_Toc63091957)

[INTHDP002: PRIMARY MOBO 25](#_Toc63091958)

[Context goal 25](#_Toc63091959)

[Pre-conditions 25](#_Toc63091960)

[Post-conditions 25](#_Toc63091961)

[File naming 26](#_Toc63091962)

[File Path 26](#_Toc63091963)

[Data feed fields 26](#_Toc63091964)

[Processing result & Response 26](#_Toc63091965)

[INTHDP003: SECONDARY MOBO 28](#_Toc63091966)

[Context goal 28](#_Toc63091967)

[Pre-conditions 28](#_Toc63091968)

[Post-conditions 29](#_Toc63091969)

[File naming 29](#_Toc63091970)

[File Path 29](#_Toc63091971)

[Data feed fields 29](#_Toc63091972)

[Processing result & Response 30](#_Toc63091973)

[INTHDP004: QUALITY SIM SELLING OUTLET (Q-SSO) 31](#_Toc63091974)

[Context goal 31](#_Toc63091975)

[Pre-conditions 31](#_Toc63091976)

[Post-conditions 31](#_Toc63091977)

[File naming 32](#_Toc63091978)

[File Path 32](#_Toc63091979)

[Data feed fields 32](#_Toc63091980)

[Processing result & Response 33](#_Toc63091981)

[INTHDP005: RGU-GA WITH INJECTION 34](#_Toc63091982)

[Context goal 34](#_Toc63091983)

[Pre-conditions 34](#_Toc63091984)

[Post-conditions 34](#_Toc63091985)

[File naming 35](#_Toc63091986)

[File Path 35](#_Toc63091987)

[Data feed fields 35](#_Toc63091988)

[Processing result & Response 36](#_Toc63091989)

[INTHDP006: TERTIARY SALES 37](#_Toc63091990)

[Context goal 37](#_Toc63091991)

[Pre-conditions 37](#_Toc63091992)

[Post-conditions 37](#_Toc63091993)

[File naming 38](#_Toc63091994)

[File Path 38](#_Toc63091995)

[Data feed fields 38](#_Toc63091996)

[Processing result & Response 39](#_Toc63091997)

[INTHDP007: ORGANIZATION MOBO BALANCE (OMB) 40](#_Toc63091998)

[Context goal 40](#_Toc63091999)

[Pre-conditions 40](#_Toc63092000)

[Post-conditions 40](#_Toc63092001)

[File naming 41](#_Toc63092002)

[File Path 41](#_Toc63092003)

[Data feed fields 41](#_Toc63092004)

[Processing result & Response 41](#_Toc63092005)

[INTHDP008: PREPAID SERVICE REVENUE 42](#_Toc63092006)

[Context goal 42](#_Toc63092007)

[Pre-conditions 42](#_Toc63092008)

[Post-conditions 42](#_Toc63092009)

[File naming 43](#_Toc63092010)

[File Path 43](#_Toc63092011)

[Data feed fields 43](#_Toc63092012)

[Processing result & Response 44](#_Toc63092013)

[INTHDP009: MOBO USAGE REVENUE 45](#_Toc63092014)

[Context goal 45](#_Toc63092015)

[Pre-conditions 45](#_Toc63092016)

[Post-conditions 45](#_Toc63092017)

[File naming 46](#_Toc63092018)

[File Path 46](#_Toc63092019)

[Data feed fields 46](#_Toc63092020)

[Processing result & Response 46](#_Toc63092021)

[INTHDP010: ACQUISITION REVENUE 48](#_Toc63092022)

[Context goal 48](#_Toc63092023)

[Pre-conditions 48](#_Toc63092024)

[Post-conditions 48](#_Toc63092025)

[File naming 49](#_Toc63092026)

[File Path 49](#_Toc63092027)

[Data feed fields 49](#_Toc63092028)

[Processing result & Repsonse 49](#_Toc63092029)

[INTHDP011: LOW REVENUE SITES 51](#_Toc63092030)

[Context goal 51](#_Toc63092031)

[Pre-conditions 51](#_Toc63092032)

[Post-conditions 51](#_Toc63092033)

[File naming 52](#_Toc63092034)

[File Path 52](#_Toc63092035)

[Data feed fields 52](#_Toc63092036)

[Processing result & Response 52](#_Toc63092037)

[INTHDP012: SITES WITH RGU-GA 54](#_Toc63092038)

[Context goal 54](#_Toc63092039)

[Pre-conditions 54](#_Toc63092040)

[Post-conditions 54](#_Toc63092041)

[File naming 55](#_Toc63092042)

[File Path 55](#_Toc63092043)

[Data feed fields 55](#_Toc63092044)

[Processing result & Response 55](#_Toc63092045)

[INTHDP013: CROSS SELLING CLUSTER RELOAD 57](#_Toc63092046)

[Context goal 57](#_Toc63092047)

[Pre-conditions 57](#_Toc63092048)

[Post-conditions 57](#_Toc63092049)

[File naming 58](#_Toc63092050)

[File Path 58](#_Toc63092051)

[Data feed fields 58](#_Toc63092052)

[Processing result & Response 58](#_Toc63092053)

[INTHDP014: CROSS SELLING AREA DATA PACKAGE 60](#_Toc63092054)

[Context goal 60](#_Toc63092055)

[Pre-conditions 60](#_Toc63092056)

[Post-conditions 60](#_Toc63092057)

[File naming 61](#_Toc63092058)

[File Path 61](#_Toc63092059)

[Data feed fields 61](#_Toc63092060)

[Processing result & Response 61](#_Toc63092061)

[INTHDP015: OUTLET PROGRAM ACHIEVER 63](#_Toc63092062)

[Context goal 63](#_Toc63092063)

[Pre-conditions 63](#_Toc63092064)

[Post-conditions 63](#_Toc63092065)

[File naming 64](#_Toc63092066)

[File Path 64](#_Toc63092067)

[Data feed fields 64](#_Toc63092068)

[Processing result & Response 64](#_Toc63092069)

[INTHDP016: ONTIME ALLOCATION PAYMENT 66](#_Toc63092070)

[Context goal 66](#_Toc63092071)

[Pre-conditions 66](#_Toc63092072)

[Post-conditions 66](#_Toc63092073)

[File naming 67](#_Toc63092074)

[File Path 67](#_Toc63092075)

[Data feed fields 67](#_Toc63092076)

[Processing result & Response 67](#_Toc63092077)

[INTHDP017: QUALITY UNIQUE REVENUE GENERATING OUTLET (Q-URO) 69](#_Toc63092078)

[Context goal 69](#_Toc63092079)

[Pre-conditions 69](#_Toc63092080)

[Post-conditions 69](#_Toc63092081)

[File naming 70](#_Toc63092082)

[File Path 70](#_Toc63092083)

[Data feed fields 70](#_Toc63092084)

[Processing result & Response 70](#_Toc63092085)

[INTHDP018: STOCK TAKING ACTIVITY 72](#_Toc63092086)

[Context goal 72](#_Toc63092087)

[Pre-conditions 72](#_Toc63092088)

[Post-conditions 72](#_Toc63092089)

[File naming 72](#_Toc63092090)

[MOBII PATH 72](#_Toc63092091)

[HADOOP Server & Path 73](#_Toc63092092)

[Data feed fields 73](#_Toc63092093)

[INTHDP019: OUTLET STARTERPACK TAGGING 75](#_Toc63092094)

[Context goal 75](#_Toc63092095)

[Pre-conditions 75](#_Toc63092096)

[Post-conditions 75](#_Toc63092097)

[File naming 76](#_Toc63092098)

[File Path 76](#_Toc63092099)

[Data feed fields 76](#_Toc63092100)

[Processing result & Response 76](#_Toc63092101)

[INTHDP020: SIM SELLING OUTLET WITH HIGH VALUE CUSTOMER (SSO-HVC) 78](#_Toc63092102)

[Context goal 78](#_Toc63092103)

[Pre-conditions 78](#_Toc63092104)

[Post-conditions 78](#_Toc63092105)

[File naming 79](#_Toc63092106)

[File Path 79](#_Toc63092107)

[Data feed fields 79](#_Toc63092108)

[Processing result & Response 79](#_Toc63092109)

[INTHDP021: MASTER HIERARCHY FEED 81](#_Toc63092110)

[Context goal 81](#_Toc63092111)

[Pre-conditions 81](#_Toc63092112)

[Post-conditions 81](#_Toc63092113)

[File naming 81](#_Toc63092114)

[MOBII PATH 81](#_Toc63092115)

[HADOOP Server & Path 82](#_Toc63092116)

[Data feed fields 82](#_Toc63092117)

[INTHDP022: PHYSICAL DISTRIBUTION 85](#_Toc63092118)

[Context goal 85](#_Toc63092119)

[Pre-conditions 85](#_Toc63092120)

[Post-conditions 85](#_Toc63092121)

[File naming 85](#_Toc63092122)

[MOBII PATH 85](#_Toc63092123)

[HADOOP Server & Path 86](#_Toc63092124)

[Data feed fields 86](#_Toc63092125)

[INTHDP023: DSSF ATTENDANCE 88](#_Toc63092126)

[Context goal 88](#_Toc63092127)

[Pre-conditions 88](#_Toc63092128)

[Post-conditions 88](#_Toc63092129)

[File naming 89](#_Toc63092130)

[File Path 89](#_Toc63092131)

[Data feed fields 89](#_Toc63092132)

[Processing result & Response 89](#_Toc63092133)

[INTHDP024: SERIOUS CUSTOMER OUTLET 90](#_Toc63092134)

[Context goal 90](#_Toc63092135)

[Pre-conditions 90](#_Toc63092136)

[Post-conditions 91](#_Toc63092137)

[File naming 91](#_Toc63092138)

[File Path 91](#_Toc63092139)

[Data feed fields 91](#_Toc63092140)

[Processing result & Response 92](#_Toc63092141)

[INTHDP025: SERIOUS CUSTOMER CLUSTER 93](#_Toc63092142)

[Context goal 93](#_Toc63092143)

[Pre-conditions 93](#_Toc63092144)

[Post-conditions 93](#_Toc63092145)

[File naming 94](#_Toc63092146)

[File Path 94](#_Toc63092147)

[Data feed fields 94](#_Toc63092148)

[Processing result & Response 94](#_Toc63092149)

[INTHDP026: SITE WITH QURO AND QSSO 96](#_Toc63092150)

[Context goal 96](#_Toc63092151)

[Pre-conditions 96](#_Toc63092152)

[Post-conditions 96](#_Toc63092153)

[File naming 96](#_Toc63092154)

[File Path 97](#_Toc63092155)

[Data feed fields 97](#_Toc63092156)

[Processing result & Response 97](#_Toc63092157)

[INTHDP027: CROSS SELLING TERRITORY CHIP 99](#_Toc63092158)

[Context goal 99](#_Toc63092159)

[Pre-conditions 99](#_Toc63092160)

[Post-conditions 99](#_Toc63092161)

[File naming 100](#_Toc63092162)

[File Path 100](#_Toc63092163)

[Data feed fields 100](#_Toc63092164)

[Processing result & Response 100](#_Toc63092165)

[INTHDP028: RESERVE STOCK 102](#_Toc63092166)

[Actors, surrounding systems involved 102](#_Toc63092167)

[Context goal 102](#_Toc63092168)

[Pre-conditions 102](#_Toc63092169)

[Post-conditions 102](#_Toc63092170)

[Endpoint URL 102](#_Toc63092171)

[Request 103](#_Toc63092172)

[Response 103](#_Toc63092173)

[Rejection types & errors 103](#_Toc63092174)

[TECHNICAL SPECIFICATIONS 105](#_Toc63092175)

[Performance specifications 105](#_Toc63092176)

[FLAT-FILE PROCESSING 107](#_Toc63092177)

[SNOC Approval & Rejection Validation 107](#_Toc63092178)

[Error Codes and Reasons 108](#_Toc63092179)

[OPERATIONAL MONITORING & SUPPORT 111](#_Toc63092180)

[Monitoring & Alerts 111](#_Toc63092181)

[ANNEXURES 112](#_Toc63092182)

[Appendix A: Open Issues 112](#_Toc63092183)

[REFERENCES 113](#_Toc63092184)

[APPROVAL SIGN-OFF 114](#_Toc63092185)

This document outlines the interface specification for integration

## VERSION HISTORY

|  |  |  |  |
| --- | --- | --- | --- |
| VER | DATE | CHANGE | BY |
| 1.9 | 28/01/2020 | New interfaces added: INTHDP024 - **Serious Customer Outlet**  INTHDP025 - **Serious Customer Cluster**  INTHDP026 - **percentage site with QURO**  INTHDP027 - **percentage site with QSSO**  INTHDP028 - **Cross selling territory chip**  Next interface was changed:  INTHDP005 - RGU-GA with Injection | Logesh Suresh |
| 1.8 | 06/11/2020 | New interfaces added: INTHDP021 - Master Hierarchy Feed  INTHDP022 - Physical Distribution  INTHDP023 - DSSF Attendance  Next interface was changed:  INTHDP004 - Daily SIM Selling Outlet (SSO)  INTHDP017 - URO 20K | Parthipan Rajagopal |
| 1.7 | 02/09/2020 | Interface SIM Selling Outlet with High Value Customer new interface (CR#20456-01) | Romet Roosalu |
| 1.6 | 01/09/2020 | Interface INTHDP005 - RGU-GA with Injection 7K updated, adding field “CLUSTER” (CR#19760) | Parthipan Rajagopal |
| 1.5 | 08/07/2020 | New Interface “Outlet Starter-Pack Tagging (INTHDP019)” added (CR#18853) | Parthipan Rajagopal |
| 1.4 | 22/06/2020 | Low revenue site CATEGORY field updated | Parthipan Rajagopal |
| 1.3 | 10/06/2020 | Based on SIT Run01 feedback next changes implemented:  1. Sales Territory hierarchy reference code change to Sales Territory Description  2. Some Mandatory fields changed as Non-Mandatory | Parthipan Rajagopal |
| 1.2 | 28/05/2020 | File naming harmonized with folder name | Romet Roosalu |
| 1.1 | 27/05/2020 | 1. Tertiary Sales (INTHDP006) data period changed from D-9 to D-2 (7D) to D-8 to D-1  2. Organization MOBO Balance (INTHDP007) data period changed from D-9 to D-2 (7D) to D-1 | Parthipan Rajagopal |
| 1.0 | 19/05/2020 | Circulated for sign-off/approve | Romet Roosalu |
| 0.5 | 15/05/2020 | New interface introduced INTHDP018- Stock Taking Activity | Parthipan Rajagopal |
| 0.4 | 13/05/2020 | Interface “Cross selling cluster reload (INTHDP013)” updated, additional field CATEGORY and CLUSTER\_TYPE introduced | Parthipan Rajagopal |
| 0.3 | 13/05/2020 | Changes as per discussion on conf-call | Parthipan Rajagopal |
| 0.2 | 12/05/2020 | Formatting changes & 1st Draft to review | Romet Roosalu |
| 0.1 | 08/05/2020 | Creating of document | Parthipan Rajagopal |

## 

## INTEGRATION SPECIFICATION

## Interfaces

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | INTERFACE NAME | PROCESSING FREQUENCY | PERIOD | DIRECTION |
| INTHDP001 | Site Mapping | DAILY 2 AM | SNAPSHOT | HDP > MOBII |
| INTHDP002 | Primary MOBO | DAILY 2 AM | D-9 to D-2 (7D) | HDP > MOBII |
| INTHDP003 | Secondary MOBO | DAILY 2 AM | D-9 to D-2 (7D) | HDP > MOBII |
| INTHDP004 | Quality SIM Selling Outlet (Q-SSO) | DAILY 2 AM | MTD-3 | HDP > MOBII |
| INTHDP005 | RGU-GA with Injection 7K | DAILY 2 AM | MTD-3 | HDP > MOBII |
| INTHDP006 | Tertiary Sales | DAILY 2 AM | D-9 to D-2 (7D) | HDP > MOBII |
| INTHDP007 | Organization MOBO Balance | DAILY 2 AM | D-2 | HDP > MOBII |
| INTHDP008 | Prepaid Service Revenue | DAILY 2 AM | D-9 to D-2 (7D) | HDP > MOBII |
| INTHDP009 | MOBO Usage Revenue | DAILY 2 AM | D-9 to D-2 (7D) | HDP > MOBII |
| INTHDP010 | Acquisition Revenue | DAILY 2 AM | D-10 to D-3 (7D) | HDP > MOBII |
| INTHDP011 | Low revenue Sites | DAILY 2 AM | D-9 to D-2 (7D) | HDP > MOBII |
| INTHDP012 | Sites with RGU-GA | DAILY 2 AM | MTD-3 | HDP > MOBII |
| INTHDP013 | Cross Selling Cluster Reload | DAILY 2 AM | D-9 to D-2 (7D) | HDP > MOBII |
| INTHDP014 | Cross Selling Area Data Package | DAILY 2 AM | D-9 to D-2 (7D) | HDP > MOBII |
| INTHDP015 | Outlet Program Achiever | DAILY OD. | MTD-2 | HDP > MOBII |
| INTHDP016 | Onetime Allocation Payment | DAILY OD. | MTD-2 | HDP > MOBII |
| INTHDP017 | Quality Unique Recharging Outlet (Q-URO) | DAILY 2 AM | D-9 to D-2 (7D) | HDP > MOBII |
| INTHDP018 | Stock Taking Activity | DAILY 2 AM | D-1 | MOBII > HDP |
| INTHDP019 | Outlet Starter-Pack Tagging | DAILY 2 AM | MTD-2 | HDP > MOBII |
| INTHDP020 | SIM Selling Outlet with HVC | DAILY 2 AM | MTD-3 | HDP > MOBII |
| INTHDP021 | Master Hierarchy Feed | DAILY 2 AM | SNAPSHOT | MOBII > HDP |
| INTHDP022 | Physical Distribution | DAILY 2 AM | D-1 | MOBII > HDP |
| INTHDP023 | DSSF Attendance | DAILY 2 AM | D-9 to D-2 (7D) | HDP > MOBII |
| INTHDP024 | **Serious Customer Outlet** | DAILY 2 AM | MTD-2 | HDP > MOBII |
| INTHDP025 | **Serious Customer Cluster** | DAILY 2 AM | MTD-2 | HDP > MOBII |
| INTHDP026 | **Site with QURO and QSSO** | DAILY 2 AM | MTD-2 | HDP > MOBII |
| INTHDP027 | **Cross selling territory chip** | DAILY 2 AM | D-9 to D-2 (7D) | HDP > MOBII |

## Application

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

## Sub-Systems

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

## Authentication

### Protocol

Offline files transferred using SFTP access. All incoming files must be copied to agreed server path. Server access details will be communicated with team before deployment. SFTP access (port 22) between systems must be enabled by Infra team.

### Authentication

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

Servers: 10.34.19.136

Username: hdpuser

Password: *<shared privately>*

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

Servers: 10.34.163.116

Username: SNOC

Password: *<shared privately>*

### Online interfaces

Access to HADOOP server from SNOC batch server must be enabled by infra team. Below http headers will be passed as part of each request call.

|  |  |  |
| --- | --- | --- |
| No | Header Name | Header Value |
|  | Accept | Application/json |
|  | Content-Type | Application/json |
|  | x-auth-type | None |

# STANDARDS

## SNOC OFFLINE DATA FEED SYNCRONIZATION

SNOC follows ASCII file interface for offline file integration. SNOC 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 are no records available, still the file must be shared with Destination System including just the header.
* Initiator System copy (push) files to the Destination System corresponding SFTP server path.
* Two files are generated and shared for each interface. One file is called Actual (A) file, and it contains the actual records. Second file is called Control File (CTL) and it contains Meta Data information about Actual (A) file (for file contents please refer next section).
* Fields delimiter, for Actual file is pipe – '|'
* Only agreed file names will be considered from SFTP path. Other files will not be considered for processing and will be deleted from SFTP path without informing anyone.

### Control file

SNOC accept the offline files only along with control file, this file needs to be generated for every sync file. Control file contains below details with <TAB> delimiter.

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| Sync file gen Date | Yes | Date Time | Date of file generated. In the format YYYY-MM-DD HH:MM:SS in 24 hour format |
| Number of Row in Sync File | Yes | Number | Number of rows in the .csv file including header. |
| Size | Yes | Number | Sync file size in bytes |
| Hash Key | Yes | String | MD5 hash key of sync .csv file. /usr/bin/md5sum UNIX command will be used to generate the key. |
| 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.
* Source System must copy the Actual (A) file first to the SFTP path and then Control (CTL) file. When SNOC transfer the files from SFTP path to processing folder it searches first the Control (CTL) and then Actual (A) file.
* SNOC will generate the MD5 hash key for Actual (A) file and compare this key with Control (CTL) file key, 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 SNOC support for further action.

|  |  |
| --- | --- |
| Actual File | Control File |
|  |  |

### Sync frequency

|  |  |
| --- | --- |
| Frequency | Description |
| Monthly | File shared to SNOC SFTP once in a month |
| Weekly | File shared to SNOC SFTP once in a week |
| Daily | File shared to SNOC SFTP once in a day |
| Hourly | File shared to SNOC SFTP every hour |

### Data Processing Frequency:

|  |  |
| --- | --- |
| Frequency | Description |
| M | Referred for Month (M-1 is considered previous month) |
| W | Referred for Week (W-1 is considered previous week) |
| D | Referred for Date (D-1 is considered as yesterday) |

### SNOC record level processing

1. SNOC processes Actual (A) file, validating data 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.
2. Both rejected and actual files are moved to backup and available to download from SNOC web UI for a period after that that it will be deleted from system.
3. 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.
4. Below status will be maintained for each file in SNOC:
   1. File Received
   2. File Processed
   3. File Completed
   4. File Rejected
   5. File Partially Rejected

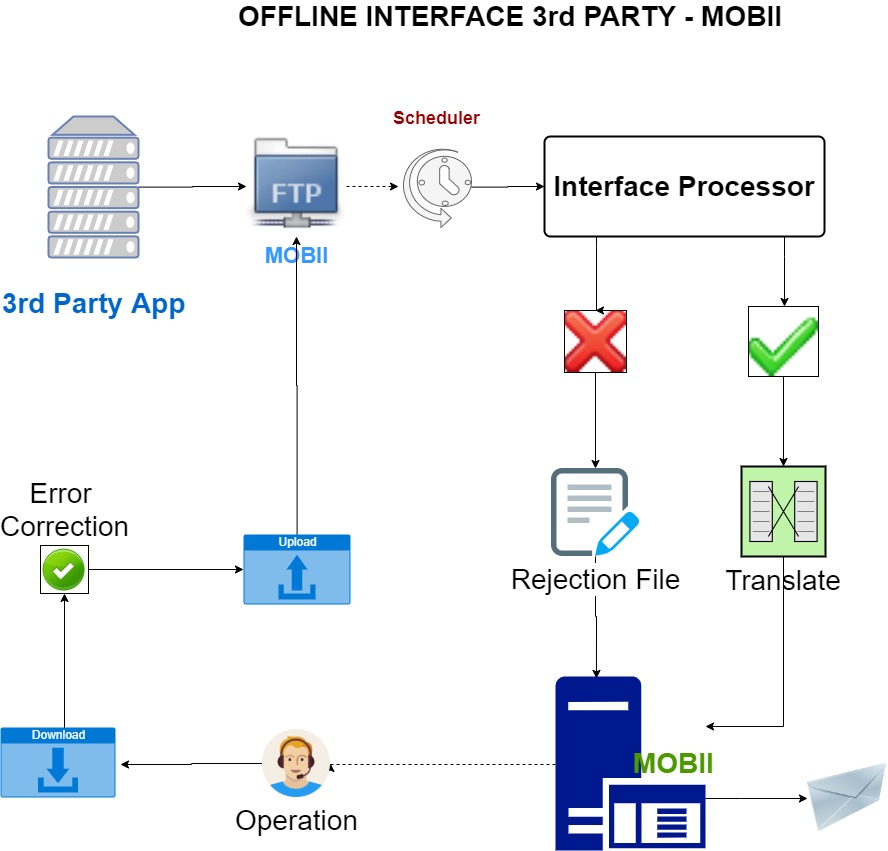
### File Rejection reasons

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

### Record rejection reasons

1. During file processing, if any record is rejected, all records will be processed except the erroneous one.
2. 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 SNOC again
3. Common cases for record rejection:
   1. Reference data not existing in system
   2. Product ID does not exist in system
   3. Org code does not exist in system
4. All dependent transactions related to error record will also get rejected.

### Process flowchart

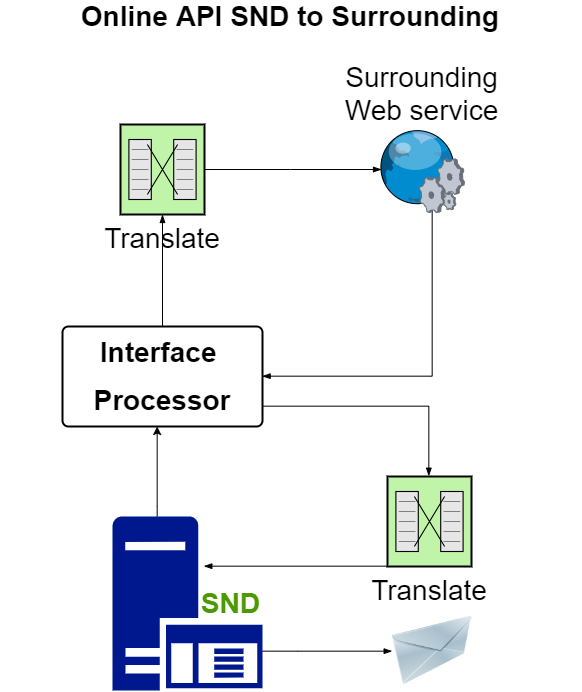


## Online API interface

Below standards will be applicable for API call between SNOC and surrounding system

* surrounding system will provide the end point URL to SNOC team for each APIs. The same will be configured in SNOC interface server for corresponding integration.
* surrounding system must share their server IP for SIT, UAT, PRE-PROD and PROD environment and the access must be enabled from SNOC server.
* Each API must be authenticated, and the required username and password must be shared with SNOC team for each environment.

### Process flowchart



## INTERFACES

## INTHDP001: SITE MAPPING

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| INITIATOR SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | SNOC |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD | Snapshot |
| ORIGINAL DATA SOURCE: |  |

### Context goal

1. HADOOP system will generate a daily file for latest site mapping snapshot information.
2. SNOC 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. HADOOP must push file to the SNOC path daily before 2AM with latest updated records. SNOC scheduler will pick pushed files for process.
5. Files from Landing path will be deleted, after copied by SNOC from Landing to Actual (A) path.

### Pre-conditions

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

### Post-conditions

1. If SNOC has given SITE ID and there is no change with mapping it skips the row.
2. If SNOC 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 SNOC is not having given SITE ID then it will create a new record for it.

### File naming

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

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/site\_mapping/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/site\_mapping/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/site\_mapping/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/site\_mapping/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/site\_mapping/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Site mapping date with sales territory |
| SITE\_ID | Yes | String | Unique reference code for site reference |
| LONGITUDE | Yes | Decimal (2) | Site location longitude (Max 15 decimal points are allowed) |
| LATITUDE | Yes | Decimal (2) | Site location latitude (Max 15 decimal points are allowed) |
| MICRO\_CLUSTER | Yes | String | Micro cluster description from sales territory |
| SALES\_CLUSTER | Yes | String | Cluster description from sales territory |
| SALES\_AREA | Yes | String | Sales area description from sales territory |
| AREA | Yes | String | Area description from sales territory |
| REGION | Yes | String | Region description from sales territory |
| JAVA\_NONJAVA | Yes | String | Region classification type |
| SITE\_NAME | Yes | String | Site name for reference |
| 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 SNOC web. If any records are rejected, then rejected files can be downloaded from SNOC 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 existing in SNOC |

## INTHDP002: PRIMARY MOBO

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

### 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/primary\_mobo/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/primary\_mobo/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/primary\_mobo/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/primary\_mobo/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/primary\_mobo/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| MPC\_CODE | Yes | String | MPC reference code |
| MOBO\_DATE | Yes | Date – YYYYMMDD | MOBO allocation date |
| AMOUNT | Yes | Decimal (2) | 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 |

## INTHDP003: SECONDARY MOBO

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

### 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/secondary\_mobo/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/secondary\_mobo/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/secondary\_mobo/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/secondary\_mobo/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/secondary\_mobo/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| MPC\_CODE | Yes | String | MPC reference code |
| DATE | Yes | Date – YYYYMMDD | MOBO Sell-in date |
| ORGANIZATION\_ID | Yes | String | Unique outlet reference code |
| DEALER\_MSISDN | No | String | Outlet SaldoMOBO MSISDN number |
| AMOUNT | Yes | Decimal (2) | 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 |

## INTHDP004: QUALITY SIM SELLING OUTLET (Q-SSO)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD | MTD-3 (Aggregated) |
| ORIGINAL DATA SOURCE: |  |

### 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-3. 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 20200428.
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 views and if required can also be used other functions from upcoming change request.
5. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
6. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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

qsso\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/d\_sso/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/d\_sso/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/d\_sso/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/d\_sso/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/d\_sso/

### Data feed fields

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Field | Mandatory | Data Type | Description |
| 1 | DATE | Yes | Date – YYYYMMDD | Injection to new SP date |
| 2 | MICRO | Yes | String | Unique micro cluster description |
| 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 | Decimal (2) | Accumulated injection amount to new SP for the given date (Max 2 decimal points are allowed) |
| 6 | QSSO\_STATUS | Yes | Number | 1 or 0 |

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|ID\_OUTLET|QTY|AMOUNT|QSSO\_STATUS  20200430|MC-TABANAN|21TAB045|17113972|56.0|442000.0|1  20200427|MC-WONOGIRI|14WNG030|17126980|4.0|100000.0|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|QSSO\_STATUS|ERROR\_CODE|ERROR\_MESSAGE  20200430|MC-TABANAN||17113972|56.0|442000.0|1|1001|Mandatory Field SITE\_ID is missing  20200427|MC-WONOGIRI|14WNG030|17126980|4.0|100000.0|0|1002|Given ID\_OUTLET is not available in system |

## INTHDP005: RGU-GA WITH INJECTION

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD | MTD-3 |
| ORIGINAL DATA SOURCE: |  |

### 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-3. 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 20200428.
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|CLUSTER|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. **COUNT\_MSISDN will be considered as actual achievement with filtration STATUS\_INJECTION field only with value ‘Without Injection’ and INCOMING\_ONLY field only with value ‘1’.**
6. This file data is used for MPC/CSO incentive calculation, standard report views and if required can also be used other functions from upcoming change request.
7. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
8. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) path.

### Pre-conditions

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

### Post-conditions

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

### File naming

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

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/rgu\_injection/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/rgu\_injection/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/rgu\_injection/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/rgu\_injection/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/rgu\_injection/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | RGU-GA date from new SP |
| CLUSTER | Yes | String | Unique cluster description |
| MICRO | Yes | String | Unique micro cluster description |
| SITE\_ID | Yes | String | Unique site reference code |
| ID\_OUTLET | No | String | Outlet unique reference code |
| STATUS\_INJECTION | Yes | String | Status of injection of received RGU-GA SP  Possible values are With Injection and Without Injection. Without Injection record will be filtered and stored in separated file. (it will not be part of rejection file in MOBII). |
| FLAG\_ACM | Yes | String | Accumulated injection value |
| COUNT\_MSISDN | Yes | Number | Total number of new SP RGU-GA received |
| INCOMING\_ONLY | Yes | Number | 1 or 0 will be given |

**Example:**

|  |
| --- |
| DATE|CLUSTER|MICRO|SITE\_ID|ID\_OUTLET|STATUS\_INJECTION|FLAG\_ACM |COUNT\_MSISDN|INCOMING\_ONLY  20200504|EB-EJA-PROBOLINGGO|MC-KEDIRI1|20KDR149|17152860|With Injection|c. >=7k - <10k|1|0  20200504|CW-CJA-BLOREMPATIGRO|MC-BLOREM|14RBG020|17237761|Without Injection|c. >=7k - <10k|1|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|CLUSTER|MICRO|SITE\_ID|ID\_OUTLET|STATUS\_INJECTION|FLAG\_ACM |COUNT\_MSISDN|INCOMING\_ONLY|ERROR\_CODE|ERROR\_MESSAGE  20200504|EB-EJA-PROBOLINGGO|MC-KEDIRI1||17152860| With Injection |c. >=7k - <10k|1|0|1001|Mandatory Field SITE\_ID is missing  20200504|CW-CJA-BLOREMPATIGRO|MC-BLOREM|14RBG020|17237761| Without Injection|c. >=7k - <10k|1|1|1002|Given ID\_OUTLET is not available in system |

## INTHDP006: TERTIARY SALES

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

### 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 20200429 from 20200505.
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 views and if required can also be used other functions from upcoming change request.
6. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/tertiary/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/tertiary/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/tertiary/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/tertiary/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/tertiary/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Transaction (recharge) date (MOBO reload/data package to old SP or VC redeem date). |
| MICRO | No | String | Unique micro cluster description |
| SITE\_ID | No | String | Unique site reference code |
| OUTLET | Yes | String | Outlet unique reference code |
| AMOUNT | Yes | Decimal (2) | 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 |

## INTHDP007: ORGANIZATION MOBO BALANCE (OMB)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD | D-2 |
| ORIGINAL DATA SOURCE: | MOBO |

### 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 day 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 for 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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

org\_close\_bal\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is *org\_close\_bal \_20200203013512.csv.gz*
* Sample Control File Name is *org\_close\_bal \_20200203013512.ctl.gz*

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/org\_close\_bal/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/org\_close\_bal/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/org\_close\_bal/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/org\_close\_bal/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/org\_close\_bal/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| MOBO\_DATE | Yes | Date – YYYYMMDD | Date for the closing balance |
| ORG\_CODE | Yes | String | Unique organization reference code (Both MPC and Outlet) |
| AMOUNT | Yes | Decimal (2) | 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 |

## INTHDP008: PREPAID SERVICE REVENUE

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

### 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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\_revenue\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/total\_revenue/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/total\_revenue/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/total\_revenue/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/total\_revenue/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/total\_revenue/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Revenue date |
| MICRO | No | String | Unique micro cluster description |
| SITE\_ID | No | String | Unique site reference code |
| REVENUE\_TYPE | Yes | String | Type of revenue |
| REVENUE\_TOTAL | Yes | Decimal (2) | 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 |

## INTHDP009: MOBO USAGE REVENUE

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

### 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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\_revenue\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/mobo\_revenue/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/mobo\_revenue/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/mobo\_revenue/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/mobo\_revenue/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/mobo\_revenue/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Revenue date |
| MICRO | No | String | Unique micro cluster description |
| SITE\_ID | No | String | Unique site reference code |
| REVENUE | Yes | Decimal (2) | 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 |

## INTHDP010: ACQUISITION REVENUE

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD | D-10 to D-3 (7D) |
| ORIGINAL DATA SOURCE: |  |

### 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-3. 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 20200429 from 20200505.
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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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

acquisition\_revenue\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/acquisition\_revenue/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/acquisition\_revenue/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/acquisition\_revenue/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/acquisition\_revenue/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/acquisition\_revenue/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Revenue date |
| MICRO | No | String | Unique micro cluster description |
| SITE\_ID | No | String | Unique site reference code |
| REVENUE | Yes | Decimal (2) | 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 |

## INTHDP011: LOW REVENUE SITES

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

### 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
8. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/low\_revenue\_site/

Actual(A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/low\_revenue\_site/

Rejected(R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/low\_revenue\_site/

Backup(A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/low\_revenue\_site/

Backup(R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/low\_revenue\_site/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Revenue date |
| MICRO | Yes | String | Unique micro cluster description |
| SITE\_ID | Yes | String | Unique site reference code |
| CATEGORY | Yes | String | Site category (Java / Non Java) |
| TARGET | No | Decimal (2) | Target on the revenue (Max 2 decimal points are allowed) |
| REVENUE | Yes | Decimal (2) | 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 |

## INTHDP012: SITES WITH RGU-GA

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD | MTD-3 |
| ORIGINAL DATA SOURCE: |  |

### 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-3. 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 20200428.
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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
8. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/site\_rgu\_ga/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/site\_rgu\_ga/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/site\_rgu\_ga/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/site\_rgu\_ga/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/site\_rgu\_ga/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Revenue date |
| MICRO | Yes | String | Unique micro cluster description |
| SITE | Yes | String | Unique site reference code |
| 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 |

## INTHDP013: CROSS SELLING CLUSTER RELOAD

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

### 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/cross\_reload/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/cross\_reload/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/cross\_reload/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/cross\_reload/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/cross\_reload/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Reload date |
| CLUSTER\_ID | Yes | String | Unique cluster reference code |
| CATEGORY | Yes | String | Java / Non Java |
| CLUSTER\_TYPE | Yes | String | Inner/Outer (when a cluster is having both inner and outer it should be given in two records) |
| TOTAL\_RELOAD | Yes | Decimal (2) | Total reload value for the date (Max 2 decimal points are allowed) |
| CROSS\_RELOAD | Yes | Decimal (2) | 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 |

## INTHDP014: CROSS SELLING AREA DATA PACKAGE

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

### 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/cross\_data/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/cross\_data/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/cross\_data/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/cross\_data/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/cross\_data/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Reload date |
| CLUSTER\_ID | Yes | String | Unique cluster reference code |
| TOTAL\_DATA | Yes | Decimal (2) | Total data value for the date (Max 2 decimal points are allowed) |
| CROSS\_DATA | Yes | Decimal (2) | 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 |

## INTHDP015: OUTLET PROGRAM ACHIEVER

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| PROCESSING FREQUENCY: | Daily |
| DATA PERIOD | MTD-2 |
| ORIGINAL DATA SOURCE: |  |

### 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/outlet\_program/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/outlet\_program/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/outlet\_program/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/outlet\_program/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/outlet\_program/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| MONTH\_ID | Yes | Date – YYYYMM | Month reference |
| CLUSTER | Yes | String | Unique cluster description |
| ID\_OUTLET | Yes | String | Unique outlet reference code |
| TARGET | Yes | Decimal (2) | Sales value target (Max 2 decimal points are allowed) |
| ACTUAL | Yes | Decimal (2) | 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 |

## INTHDP016: ONTIME ALLOCATION PAYMENT

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| PROCESSING FREQUENCY: | Daily |
| DATA PERIOD | MTD-2 |
| ORIGINAL DATA SOURCE: |  |

### 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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

alloc\_payment\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/alloc\_payment/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/alloc\_payment/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/alloc\_payment/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/alloc\_payment/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/alloc\_payment/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| MONTH\_ID | Yes | Date – YYYYMM | Month reference |
| CLUSTER | Yes | String | Unique cluster description |
| MPC\_CODE | Yes | String | Unique MPC reference code |
| 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 |

## INTHDP017: QUALITY UNIQUE REVENUE GENERATING OUTLET (Q-URO)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD | MTD-2 (Aggregated) |
| ORIGINAL DATA SOURCE: |  |

### 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
8. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) 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

quro\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/uro20/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/uro20/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_filesHADOOP/uro20/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/uro20/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/uro20/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Date reference |
| MICRO | Yes | String | Unique micro cluster description |
| SITE\_ID | Yes | String | Unique site reference code |
| OUTLET | Yes | String | Unique Id outlet |
| HIT | Yes | Number | Number transactions |
| AMOUNT | Yes | Decimal (2) | Total tertiary value (Max 2 decimal points are allowed) |
| QURO\_STATUS | Yes | Number | 1 or 0 |

**Example:**

|  |
| --- |
| DATE|MICRO|SITE\_ID|OUTLET|HIT|AMOUNTQURO\_STATUS  20200504|MC-PEMALANG|14PML014|170000|36|701900.0|1  20200504|MC-SAMARINDA 1|19SMR012|1666665A|18|437250.0|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|QURO\_STATUS|ERROR\_CODE|ERROR\_MESSAGE  20200504|MC-PEMALANG|14PML014||36|701900.0|1|1001|Mandatory Field OUTLET is missing  20200504|MC-SAMARINDA 1|19SMR012|2|18|437250.0|0|1002|Given SITE\_ID is not available in system |

## INTHDP018: STOCK TAKING ACTIVITY

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | MOBII |
| RESPONDER SYSTEM: | HADOOP |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD | D-1 |
| ORIGINAL DATA SOURCE: | MOBII |

### Context goal

1. MOBII will share the daily file to HADOOP which contains the voucher balance and multi-chip balance which is purchased from big player by Outlet.
2. This file contains data for previous day. This means when MOBII send file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file activity date is D-1 (20200507). Some cases this is possible for older dates also if CSO do the sync offline transactions next day.
3. MOBII will push file to HADOOP sftp path daily before 2AM with latest updated records.

### Pre-conditions

1. Server path is accessible by MOBII.

### Post-conditions

1. File available at HADOOP SFTP path.

### File naming

stock\_taking\_activity\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is stock\_taking\_activity\_20200203013512.csv.gz
* Sample Control File Name is stock\_taking\_activity\_20200203013512.ctl.gz

### MOBII PATH

* add

### HADOOP Server & Path

Landing: /data/02/landing/snd/outlet\_stock\_balance/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Activity date |
| CHANNEL\_CATEGORY | Yes | String | Outlet channel (Traditional) |
| REGIONAL | Yes | String | Outlet region reference code from sales territory |
| AREA | Yes | String | Outlet area reference code from sales territory |
| SALES\_AREA | Yes | String | Outlet sales area reference code from sales territory |
| CLUSTER | Yes | String | Outlet Cluster reference code from sales territory |
| MICRO\_CLUSTER | Yes | String | Outlet Micro Cluster reference code from sales territory |
| SALE\_TERRITORY | Yes | String | Sales territory description (includes Nasional to Micro-Cluster) |
| TERRITORY\_ID | Yes | String | Outlet linked sales territory ref code |
| OUTLET\_ID | Yes | Number | Unique outlet id (MOBII internal id) |
| OUTLET\_REF\_CODE | Yes | String | Unique outlet reference code |
| OUTLET\_NAME | Yes | String | Outlet name |
| CSO\_NAME | Yes | String | CSO username who linked with Outlet |
| CSO\_OPERATOR\_ID | Yes | String | CSO operator id who linked with Outlet |
| CSO\_ORG\_ID | Yes | Number | MPC org id MOBII internal id |
| CSO\_ORG\_REF\_CODE | Yes | String | MPC org ref code |
| CSO\_ORG\_NAME | Yes | String | MPC org name |
| VOUCHER\_BALANCE | Yes | Number | Captured outlet balance for the date |
| MULTI\_CHIP\_BALANCE | Yes | Double | Captured multi chip balance for the date |

**Example:**

|  |
| --- |
| DATE | CHANNEL\_CATEGORY | REGIONAL | AREA | SALES\_AREA | CLUSTER | MICRO\_CLUSTER | SALE\_TERRITORY | TERRITORY\_ID|OUTLET\_ID | OUTLET\_REF\_CODE | OUTLET\_NAME | CSO\_NAME | CSO\_OPERATOR\_ID | CSO\_ORG\_ID | CSO\_ORG\_REF\_CODE | CSO\_ORG\_NAME | VOUCHER\_BALANCE | MULTI\_CHIP\_BALANCE  20200515|Traditional|East Java and Bali Nusra|BALI NUSRA|DENPASAR|EB-BNA-BADUNG|MC-BADUNG\_1|MC-BADUNG\_1->EB-BNA-BADUNG->DENPASAR->BALI NUSRA->East Java and Bali Nusra->NASIONAL|micro4|50523|464460|ADI JAYA CELL|CSOBYGBADUNG02|CSOBYGBADUNG02|50126|D10334582|PT. TRIMITRA TUNAS SAKTI - BALI NUSRA|1000|9876567.00  20200515|Traditional|East Java and Bali Nusra|BALI NUSRA|DENPASAR|EB-BNA-BADUNG|MC-BADUNG\_1|MC-BADUNG\_1->EB-BNA-BADUNG->DENPASAR->BALI NUSRA->East Java and Bali Nusra->NASIONAL|micro4|50523|464460|ADI JAYA CELL|CSOBYGBADUNG02|CSOBYGBADUNG02|50126|D10334582|PT. TRIMITRA TUNAS SAKTI - BALI NUSRA|500|98789.00 |

## INTHDP019: OUTLET STARTERPACK TAGGING

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD: | MTD-2 |
| ORIGINAL DATA SOURCE: | MOBO |

### Context goal

1. HADOOP will share the daily file to MOBII which contains details for Outlet SP Tagging.
2. This file contains data from month start date to 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 OUTLET\_ID in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|OUTLET\_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 and if required can also be used other functions from upcoming change request.
6. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) path.

### Pre-conditions

1. Data is shared with HADOOP by MOBO.
2. Server path is accessible by HADOOP.
3. All outlets must be pre-created in MOBII.

### Post-conditions

1. SP\_TAG\_QTY will be aggregated against given OUTLET\_ID for given date.

### File naming

outlet\_sp\_tagging\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/outlet\_sp\_tagging/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/outlet\_sp\_tagging/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/outlet\_sp\_tagging/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/outlet\_sp\_tagging/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/outlet\_sp\_tagging/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Date reference |
| OUTLET\_ID | Yes | String | Unique Id outlet |
| SP\_TAG\_QTY | Yes | Number | Tagged SP count |

**Example:**

|  |
| --- |
| DATE|OUTLET\_ID|SP\_TAG\_QTY  20200501|OUTA1|8  20200501|OUTA2|2  20200501|OUTA3|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|OUTLET\_ID|SP\_TAG\_QTY|ERROR\_CODE|ERROR\_MESSAGE  20200501||8|1001|Mandatory Field OUTLET\_ID is missing  20200501|OUTA2|2.0|1002|SP\_TAG\_QTY contains invalid data |

## INTHDP020: SIM SELLING OUTLET WITH HIGH VALUE CUSTOMER (SSO-HVC)

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | HADOOP |
| RESPONDER SYSTEM: | MOBII |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD: | MTD-3 |
| ORIGINAL DATA SOURCE: | MOBO |

### Context goal

1. SIM Selling Outlet with High Value Customer (SSO HVC) contains records of SIM Selling Outlets (count of Outlets) which injects balance/package at least in IDR 35.000,00 value to the new SIM (subscriber) and its part of RGU-GA;
2. SSO HVC will be calculated from RGU-GA data for the current month and joint with SSO HVC (min IDR 35.000,00) taken from M0, -M1, -M2 (3 months);
3. MOBII always consider latest processed file records, when MOBII receive same GA\_DATE and ORGANIZATION\_ID in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (GA\_DATE | 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 Target KPI & Achievement Calculation, and if required can also be used for other functions and/or upcoming enhancement or change requests.
6. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from Landing path will be deleted, after copied by MOBII from Landing to Actual (A) path.

### Pre-conditions

1. Data is shared with HADOOP by MOBO;
2. Server path is accessible by HADOOP;
3. All Outlets (ORGANIZATION\_ID) must be pre-created and available in MOBII.

### Post-conditions

1. SAME\_MC\_RGU\_QTY, SAME\_CL\_RGU\_QTY|ALL\_CL\_RGU\_QTY will be aggregated against given OUTLET\_ID for given date.

### File naming

sso\_hvc\_rgu\_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/sso\_hvc\_rgu/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/sso\_hvc\_rgu/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/sso\_hvc\_rgu/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_file/HADOOP/sso\_hvc\_rgu/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/sso\_hvc\_rgu/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| GA\_DATE | Yes | Date – YYYYMMDD | RGU-GA Date |
| OUTLET\_ID | Yes | String | ORGANIZATION\_ID / OUTLET ID |
| SAME\_MC\_RGU\_QTY | Yes | Number | MSISDN quantity – Injection and RGU from same micro cluster |
| SAME\_CL\_RGU\_QTY | Yes | Number | MSISDN quantity – Injection and RGU from same cluster |
| ALL\_CL\_RGU\_QTY | Yes | Number | All MSISDN quantity with Injection and RGU |

**Example:**

|  |
| --- |
| DATE|OUTLET\_ID|SAME\_MC\_RGU\_QTY|SAME\_CL\_RGU\_QTY|ALL\_CL\_RGU\_QTY  20200901|OUT1|2|4|6  20200901|OUT2|3|5|10 |

### 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|OUTLET\_ID|SAME\_MC\_RGU\_QTY|SAME\_CL\_RGU\_QTY|ALL\_CL\_RGU\_QTY|ERROR\_CODE|ERROR\_MESSAGE  20200901||2|4|6|Mandatory field OUTLET\_ID is missing |

## INTHDP021: MASTER HIERARCHY FEED

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | MOBII |
| RESPONDER SYSTEM: | HADOOP |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD | D-1 |
| ORIGINAL DATA SOURCE: | MOBII |

### Context goal

1. MOBII will share the daily file to HADOOP which will contain the Master information of all the Outlets in MOBII application
2. This file contains data for previous day. This means when MOBII send file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file activity date is D-1 (20200507).
3. MOBII will push file to HADOOP sftp path daily before 2AM with latest updated records.

### Pre-conditions

1. Server path is accessible by MOBII.

### Post-conditions

1. File available at HADOOP SFTP path.

### File naming

master\_hierarchy\_feed\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is master\_hierarchy\_feed\_20200203013512.csv.gz
* Sample Control File Name is master\_hierarchy\_feed\_20200203013512.ctl.gz

### MOBII PATH

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/outlet\_sp\_tagging/

Actual(A): /snoc/interfaces/SNOC/interfaces/master\_file/daily\_dumps/master\_hierarchy\_feed/

Backup(A): /snoc/interfaces/SNOC/interfaces/backup/master\_file/daily\_dumps/master\_hierarchy\_feed/

Rejected(R): /snoc/interfaces/SNOC/interfaces/rejected\_file/daily\_dumps/master\_hierarchy\_feed/

Backup(R): /snoc/interfaces/SNOC/interfaces/backup/rejected\_file/daily\_dumps/master\_hierarchy\_feed/

### HADOOP Server & Path

Landing: /data/02/landing/snd/master\_hierarchy\_feed/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| Region Name | Yes | String | Outlet’s region name |
| HOR Name | Yes | String | Outlet’s head of region name |
| HOR Mobile Number | Yes | Double | Outlet’s head of region mobile number |
| Sub Area Name | Yes | String | Outlet’s Area Name |
| HOS Name | Yes | String | Outlet’s Head of Sales Name |
| HOS Mobile Number | Yes | Double | Outlet’s Head of Sales Mobile Number |
| Sales Area Name | Yes | String | Outlet’s Sales Area Name |
| SAM Name | Yes | String | Outlet’s Sales Area Manager Name |
| SAM Mobile Number | Yes | Double | Outlet’s Sales Area Manager Number |
| Cluster Name | Yes | String | Outlet’s Cluster Name |
| MPC Name | Yes | String | Outlet’s MPC Name |
| MPC Short Code | Yes | String | Outlet’s MPC reference code |
| MPC Mobile Number | Yes | Double | Outlet’s MPC Mobile Number |
| Micro Cluster Name | Yes | String | Outlet’s micro cluster name |
| CSM Name | Yes | String | Outlet’s Cluster Sales Manager Name |
| CSM Mobile Number | Yes | Double | Outlet’s Cluster Sales Manager Number |
| Supervisor Code | Yes | String | Outlet’s SPV operator ID |
| Supervisor Mobile Number | Yes | Double | Outlet’s SPV Number |
| CSO Code | No | String | Outlet’s Canvasser Operator ID |
| CSO Mobile Number | No | Double | Outlet’s Canvasser Number |
| Outlet Code | Yes | String | Outlet’s reference code |
| Outlet Name | Yes | String | Outlet’s Name |
| Outlet Mobile Number | Yes | Double | Outlet’s Number |
| Outlet\_category | Yes | String | Outlet’s category |
| Channel | Yes | String | Sales Channel |
| Outlet\_business\_type | No | String | Business Type |
| Outlet\_Class | No | String | Business Class |
| beat\_name | No | String | Beat assigned to the Outlet |
| Beat ID | No | Number | Beat ID of the assigned beat |
| MOBO Dealer | Yes | Yes/No | Dealer of outlet is MOBO dealer or not |
| LATITUDE | No | Number with decimals | Outlet’s Latitude |
| LONGITUDE | No | Number with decimals | Outlet’s Longitude |
| Organisation Group | No | String | Organization Group of the outlet |

**Example:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | Region Name|HOR Name|HOR Mobile Number|Sub Area Name|HOS Name|HOS Mobile Number|Sales Area Name|SAM Name|SAM Mobile Number|Cluster Name|MPC Name|MPC Short Code|MPC Mobile Number|Micro Cluster Name|CSM Name|CSM Mobile Number|Supervisor Code|Supervisor Mobile Number|CSO Code|CSO Mobile Number|Outlet Code|Outlet Name|Outlet Mobile Number|Outlet\_category|Channel|Outlet\_business\_type|Outlet\_Class|beat\_name|Beat ID|MOBO Dealer|LATITUDE|LONGITUDE|Organisation Group | | Sumatera|Eric Danari|62816300003|SOUTHERN SUMATERA|MGS MOH ALI SAFITRI|62816393071|BATURAJA|TAUFIK KURNIAWAN|62816799399|S-SSA-LUBUK LAHAT|PT. EXPRESS GLOBAL PRATAMA - LUBUK LAHAT|D119039505|62858099908581|MC-LUBUK LINGGAU|IUS FAJAR WICAKSONO|6281584085731|SPV-EGP-LINGGAU|6285788456454|CVS-LLG04|6285788588859|1477745|SILA CELL|6285839375316|Outlet Retail|Traditional|||SENIN-DONA-LLG|634222|YES|-3.0427802|103.0779789|FISIK | | East Java and Bali Nusra|Soejanto Prasetya|6285657000000|BALI NUSRA|Wulang Prabowo Edhi|6281526090074|NUSRA|Muhammad Budijono|628155050000|EB-BNA-NTT|Meliana Perkasa Sejahtera PT EB-BNA-NTT BALI NUSRA|D1033500|62100002563|MC-KUPANG|Dwi Harto Prayitno|6281529000400|SPVNTTBNA|62100002560|S-001|6281547187190|1555735|SUDI CELL|6281529599619|Outlet Retail|Traditional|||||YES|-10.16936978|123.60748653|FISIK | |

## INTHDP022: PHYSICAL DISTRIBUTION

|  |  |
| --- | --- |
| INTERFACE TYPE: | Off-line file feed |
| INTERFACE METHOD: | Batch file |
| SOURCE SYSTEM: | MOBII |
| RESPONDER SYSTEM: | HADOOP |
| PROCESSING FREQUENCY: | Daily Once |
| DATA PERIOD | D-1 |
| ORIGINAL DATA SOURCE: | MOBII |

### Context goal

1. MOBII will share the daily file to HADOOP which contains the Transactions done by operators on the daily basis in MOBII application.
2. This file contains data for previous day. This means when MOBII send file in his SFTP path on 08-May-2020 (20200508), file name contains prepared date with time and inside file activity date is D-1 (20200507). Some cases this is possible for older dates also if CSO do the sync offline transactions next day.
3. MOBII will push file to HADOOP sftp path daily before 2AM with latest updated records.

### Pre-conditions

1. Server path is accessible by MOBII.

### Post-conditions

1. File available at HADOOP SFTP path.

### File naming

Physical\_Distribution\_Detail\_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is Physical\_Distribution\_Detail\_20200203013512.csv.gz
* Sample Control File Name is Physical\_Distribution\_Detail\_20200203013512.ctl.gz

### MOBII PATH

**Landing:** /home/hdpuser/interfaces/HADOOP/master\_files/outlet\_sp\_tagging/

**Actual(A):** /snoc/interfaces/SNOC/interfaces/master\_file/daily\_dumps/physical\_distribution\_summary/

**Backup(A):** /snoc/interfaces/SNOC/interfaces/backup/master\_file/daily\_dumps/physical\_distribution\_summary/

**Rejected(R):** /snoc/interfaces/SNOC/interfaces/rejected\_file/daily\_dumps/physical\_distribution\_summary/

**Backup(R):** /snoc/interfaces/SNOC/interfaces/backup/rejected\_file/daily\_dumps/physical\_distribution\_summary/

### HADOOP Server & Path

**Landing:** /data/02/landing/snd/physical\_distribution\_detail/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| TransactionDateTime | Yes | Date – YYYYMMDD HHMMSS | Transaction Date and Time Stamp |
| TransactionID | Yes | Number | ID for the Transaction |
| Distribution Type | Yes | String | Type pf order performed |
| OrganizationID | Yes | Number | Source Organization ID(MOBII Internal ID) |
| Saldomobo\_id | Yes | String | Source Organization Reference Code(MOBII Internal data) |
| OrganizationName | Yes | String | Source Organization Name |
| NodeID | Yes | Number | Initiator Node ID |
| NodeName | Yes | String | Initiator Node Name |
| Dest\_OrganizationID | Yes | Number | Destination Organization ID(MOBII Internal ID) |
| Dest\_Saldomobo\_id | Yes | String | Destination Organization Reference Code(MOBII Internal Data) |
| Dest\_OrganizationName | Yes | String | Destination Organization Name |
| Dest\_NodeID | Yes | Number | Destination organization Node ID |
| Dest\_NodeName | Yes | String | Destination organization Node Name |
| Product Category | Yes | String | Category of the product which was involved in the order |
| Product SubCategory | Yes | String | Sub-Category of the product which was involved in the order |
| Product Code | Yes | Number | Code of the product which was involved in the order(MOBII Internal ID) |
| Product Name | Yes | String | Name of the product which was involved in the order |
| SerialNumber | Yes | Double | 20 Digits for Starter Pack and 2-18 digits for Voucher category |
| MSISDN | No | Double | 14-digit MSISDN unique per Product for Starter Pack category |
| Additional SN 1 | No | Double | Additional Serial Number 1 |
| Additional SN 2 | No | Double | Additional Serial Number 2 |
| Expired Date | Yes | Date - DD-Mon-YY | The serial expiry date |
| Price | Yes | Number | The Selling Price of the Product |
| OperatorID | Yes | String | Initiator Operator ID |
| Operator Name | Yes | String | Initiator Operator Name |
| ApprovalOprID | No | String | Approver operator ID |
| ApprovalName | No | String | Approver Operator Name |
| Approval Datetime | No | Date – YYYYMMDD HHMMSS | Approval Time Stamp |

**Example:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | TransactionDateTime|TransactionID|DistributionType|OrganizationID|Saldomobo\_id|OrganizationName|NodeID|NodeName|Dest\_OrganizationID|Dest\_Saldomobo\_id|Dest\_OrganizationName|Dest\_NodeID|Dest\_NodeName|Product Category|Product SubCategory|Product Code|Product Name|SerialNumber|MSISDN|Additional SN 1|Additional SN 2|Expired Date|Price|OperatorID|Operator Name|ApprovalOprID|ApprovalName|Approval Datetime | | 31-Oct-2020 23:57:37|27619747|Sell In|450772|D3070027|PT. Kencana Internusa Indonesia - S-SSA-KAYU AGUNG|462486|Canvasser\_S-SSA-KAYU AGUNG\_462486|112474|1373766|ngalim cell|112474|OUTLET OWNER\_MC-KAYU AGUNG\_112474|Starter Pack|Starter Pack|1012|SP DAT 2GB SUMATERA LTE|89620130003373450986|6285839209200|||30-Sep-2021|12000.0|KYA-TM04|KYA-TM04||| | | 31-Oct-2020 23:57:37|27619747|Sell In|450772|D3070027|PT. Kencana Internusa Indonesia - S-SSA-KAYU AGUNG|462486|Canvasser\_S-SSA-KAYU AGUNG\_462486|112474|1373766|ngalim cell|112474|OUTLET OWNER\_MC-KAYU AGUNG\_112474|Starter Pack|Starter Pack|1012|SP DAT 2GB SUMATERA LTE|89620130003373450994|6285839209201|||30-Sep-2021|12000.0|KYA-TM04|KYA-TM04||| | |

## INTHDP023: DSSF ATTENDANCE

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

### Context goal

1. HADOOP will share the daily file to MOBII which contains the DSSF user visit activity through other application.
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, CLUSTER, PROMOTER\_ORG\_ID and CHECKIN\_TYPE in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|CLUSTER|PROGMOTER\_ORG\_ID|CHECKIN\_TYPE) 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. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
7. Files from landing path will be deleted, after copied by MOBII from Landing to Actual (A) path.

### Pre-conditions

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

### Post-conditions

1. PROMOTER\_ORG\_ID counts will be counted as against given cluster.

### File naming

dssf\_attendance \_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/dssf\_attendance/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/dssf\_attendance/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_filesHADOOP/dssf\_attendance/

Backup (A): /snoc/interfaces/S-NOC/interfaces/backup/master\_file/HADOOP/dssf\_attendance/

Backup (R): /snoc/interfaces/S-NOC/interfaces/backup/rejected\_file/HADOOP/dssf\_attendance/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Date reference |
| CLUSTER | Yes | String | Unique cluster description |
| PROGMOTER\_ORG\_ID | Yes | String | Unique DSSF reference code |
| CHECKIN\_TYPE | Yes | String | Type of Visit |
| QTY | Yes | Number | Number Visits |

**Example:**

|  |
| --- |
| DATE|CLUSTER|PROGMOTER\_ORG\_ID|CHECKIN\_TYPE|QTY  20201001|CL-KUDUS|17163165|On Location|10  20201001|CL-KUDUS|17163165|Outside Location|5 |

### 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|PROGMOTER\_ORG\_ID|CHECKIN\_TYPE|QTY|ERROR\_CODE|ERROR\_MESSAGE  20201001|CL-KUDUS||On Location|10|1001|Mandatory Field PROGMOTER\_ORG\_ID is missing  20201001|CL-KUDUS|17163165|Outside Location|A|1002|QTY contains invalid data |

## INTHDP024: SERIOUS CUSTOMER OUTLET

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

### Context goal

1. HADOOP will share the daily file to MOBII which contains the Number of Serious Customer is subs with minimum 25 MB data usage or any usage Voice/SMS..
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 date from 20200401 from 20200429.
3. MOBII always consider latest processed file records, when MOBII receive same DATE,MICRO- CLUSTER,CLUSTER,ORG\_ID and SITE-ID in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|SITE\_ID|ORGANIZATION\_ID|MICRO\_CLUSTER|CLUSTER) within the file, then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. **QTY\_SERIOUS will be considered as actual achievement without filtration.**
6. **Sum of final QTY\_SERIOUS from each outlet will be considered as final achievement of CSO. CSO is identified based on operator mapping snapshot at 5th of every month.**
7. **MOBII can calculate the CSO achievement based on SITE mapping also, this KPI will implemented as part of upcoming requirement.**
8. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
9. Files from landing path will be deleted, after copied by MOBII from Landing to Actual (A) path.

### Pre-conditions

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

### Post-conditions

1. **QTY\_SERIOUS** value will be stored against outlet based on given organization id.
2. Based on organization id CSO will be identified using operator mapping.

### File naming

Serious\_customer\_outlet \_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is serious*\_customer\_outlet\_20200203013512.csv.gz*
* Sample Control File Name is serious*\_customer\_outlet\_20200203013512.ctl.gz*

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/serious*\_customer\_outlet*/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/serious*\_customer\_outlet*/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_filesHADOOP/serious*\_customer\_outlet*/

Backup (A): /snoc/interfaces/SNOC/interfaces/backup/master\_file/HADOOP/serious*\_customer\_outlet*/

Backup (R):/snoc/interfaces/SNOC/interfaces/backup/rejected\_file/HADOOP/serious*\_customer\_outlet*/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Date reference |
| SITE\_ID | Yes | String | Unique site reference code |
| ORGANIZATION\_ID | Yes | String | Unique outlet reference code |
| MICRO\_CLUSTER | Yes | String | Unique micro-cluster description |
| CLUSTER | Yes | String | Unique cluster description |
| QTY\_SERIOUS | Yes | Number | Number of serious customer |

**Example:**

|  |
| --- |
| DATE|SITE\_ID|ORGANIZATION\_ID|MICRO\_CLUSTER|CLUSTER|QTY\_SERIOUS  20200504|20KDR149|17152860|MC-KEDIRI1|KEDIRI|10  20200504|14RBG020|17237761|MC-BLOREM|BLOREM|11 |

### 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|ORGANIZATION\_ID|MICRO\_CLUSTER|CLUSTER|QTY\_SERIOUS|ERROR\_CODE|ERROR\_MESSAGE  20200504|20KDR149||MC-KEDIRI1|KEDIRI|10|1001|Mandatory Field ORGANIZATION\_ID is missing  20200504|14RBG020|17237761|MC-BLOREM|BLOREM|A|1002|QTY\_SERIOUS contains invalid data |

## INTHDP025: SERIOUS CUSTOMER CLUSTER

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

### Context goal

1. HADOOP will share the daily file to MOBII which contains the Number of Serious Customer is subs with minimum 25 MB data usage or any usage Voice/SMS..
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 date from 20200401 from 20200429.
3. MOBII always consider latest processed file records, when MOBII receive same DATE, CLUSTER, MICRO-CLUSTER and SITE-ID in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|CLUSTER|MICRO\_CLUSTER|SITE\_ID) within the file, then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. **QTY\_SERIOUS will be considered as actual achievement for given cluster.**
6. **Sum of final QTY\_SERIOUS from each cluster will be considered as final achievement of MPC.**
7. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
8. Files from landing path will be deleted, after copied by MOBII from Landing to Actual (A) path.

### Pre-conditions

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

### Post-conditions

1. **QTY\_SERIOUS** value will be stored against cluster

### File naming

Serious*\_customer\_cluster* \_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is serious*\_customer\_cluster\_20200203013512.csv.gz*
* Sample Control File Name is serious*\_customer\_cluster\_20200203013512.ctl.gz*

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/serious*\_customer\_cluster*/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/serious*\_customer\_cluster*/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_filesHADOOP/serious*\_customer\_cluster*/

Backup (A): /snoc/interfaces/SNOC/interfaces/backup/master\_file/HADOOP/serious*\_customer\_cluster*/

Backup (R): /snoc/interfaces/SNOC/interfaces/backup/rejected\_file/HADOOP/ serious*\_customer\_cluster*/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Date reference |
| SITE\_ID | Yes | String | Unique site reference code |
| MICRO\_CLUSTER | Yes | String | Unique micro-cluster description |
| CLUSTER | Yes | String | Unique cluster description |
| QTY\_SERIOUS | Yes | Number | Number of serious customer |

**Example:**

|  |
| --- |
| DATE|SITE\_ID|MICRO\_CLUSTER|CLUSTER|QTY\_SERIOUS  20200504|20KDR149|MC-KEDIRI1|KEDIRI|10  20200504|14RBG020|MC-BLOREM|BLOREM|11 |

### 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|MICRO\_CLUSTER|CLUSTER|QTY\_SERIOUS|ERROR\_CODE|ERROR\_MESSAGE  20200504|20KDR149|MC-KEDIRI1||10|1001|Mandatory Field CLUSTER is missing  20200504|14RBG020|MC-BLOREM|BLOREM|A|1002|QTY\_SERIOUS contains invalid data |

## INTHDP026: SITE WITH QURO AND QSSO

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

### Context goal

1. HADOOP will share the daily file to MOBII which contains the count of sites with quro.
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 date from 20200401 from 20200429.
3. MOBII always consider latest processed file records, when MOBII receive same DATE and CLUSTER in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|CLUSTER|MICRO\_CLUSTER) within the file, then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. **Actual achieved value will be calculated based on TOTAL\_SITE\_QURO vs ACTUAL\_SITE\_QURO and TOTAL\_SITE\_QSSO vs ACTUAL\_SITE\_QSSO.**
6. **Calculated value from each cluster will be considered as final achievement of MPC.**
7. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
8. Files from landing path will be deleted, after copied by MOBII from Landing to Actual (A) path.

### Pre-conditions

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

### Post-conditions

1. **TOTAL\_SITE\_QURO vs ACTUAL\_SITE\_QURO** value will be stored against cluster
2. **TOTAL\_SITE\_QSSO vs ACTUAL\_SITE\_QSSO** value will be stored against cluster

### File naming

*Site\_quro\_qsso* \_<YYYYMMDDHH24MISS>.csv.gz

* <YYYYMMDDHH24MISS> = date and time of file generation.
* Sample Actual File Name is *Site\_quro\_qsso* \_*20200203013512.csv.gz*
* Sample Control File Name is *Site\_quro\_qsso* \_*20200203013512.ctl.gz*

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/*Site\_quro\_qsso*/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/*Site\_quro\_qsso*/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_filesHADOOP/*Site\_quro\_qsso*/

Backup (A): /snoc/interfaces/SNOC/interfaces/backup/master\_file/HADOOP/*Site\_quro\_qsso*/

Backup (R): /snoc/interfaces/SNOC/interfaces/backup/rejected\_file/HADOOP/*Site\_quro\_qsso*/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Date reference |
| CLUSTER | Yes | String | Unique cluster description |
| MICRO\_CLUSTER | Yes | String | Unique micro-cluster description |
| TOTAL\_SITE\_QURO | Yes | Number | Total number of sites |
| ACTUAL\_SITE\_QURO | Yes | Number | Total number of sites with quro |
| TOTAL\_SITE\_QSSO | Yes | Number | Total number of sites |
| ACTUAL\_SITE\_QSSO | Yes | Number | Total number of sites with qsso |

**Example:**

|  |
| --- |
| DATE|CLUSTER|MICRO\_CLUSTER|TOTAL\_SITE\_QURO|ACTUAL\_SITE\_QURO|TOTAL\_SITE\_QSSO|ACTUAL\_SITE\_QSSO  20200504|KEDIRI|MC-KEDIRI1|100|80|100|70  20200504|BLOREM|MC-BLOREM|110|90|110|80 |

### 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|MICRO\_CLUSTER|TOTAL\_SITE\_QURO|ACTUAL\_SITE\_QURO|TOTAL\_SITE\_QSSO|ACTUAL\_SITE\_QSSO|ERROR\_CODE|ERROR\_MESSAGE  20200504||MC-KEDIRI1|100|80|100|70|1001|Mandatory Field CLUSTER is missing  20200504|BLOREM|MC-BLOREM|110|80|110|A|1002|SITE\_WITH\_QSSO contains invalid data |

## INTHDP027: CROSS SELLING TERRITORY CHIP

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

### Context goal

1. HADOOP will share the daily file to MOBII which contains the count of sites with qsso.
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 CLUSTER**\_ID** in latest file it will replace the previously stored transaction value.
4. If MOBII found any duplicate row (DATE|CLUSTER**\_ID**) within the file, then it will consider only first record and upcoming records will be rejected with reason duplicate transaction found.
5. **Achievement is calculated for weekly and weekly average above mentioned is considered for monthly.**
6. **Achievement percentage is calculated by applying the slab values in score.**
7. HADOOP must push file to the MOBII path daily before 2AM with latest updated records. MOBII scheduler will pick pushed files for process.
8. Files from landing path will be deleted, after copied by MOBII from Landing to Actual (A) path.

### Pre-conditions

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

### Post-conditions

1. **Cross** value will be stored against cluster

### File naming

Cross\_chip \_<YYYYMMDDHH24MISS>.csv.gz

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

### File Path

Landing: /home/hdpuser/interfaces/HADOOP/master\_files/Cross\_chip/

Actual (A): /snoc/interfaces/S-NOC/interfaces/master\_file/HADOOP/Cross\_chip/

Rejected (R): /snoc/interfaces/S-NOC/interfaces/rejected\_filesHADOOP/Cross\_chip/

Backup (A): /snoc/interfaces/SNOC/interfaces/backup/master\_file/HADOOP/Cross\_chip/

Backup (R): /snoc/interfaces/SNOC/interfaces/backup/rejected\_file/HADOOP/Cross\_chip/

### Data feed fields

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Mandatory | Data Type | Description |
| DATE | Yes | Date – YYYYMMDD | Date reference |
| CLUSTER | Yes | String | Unique cluster description |
| TOTAL\_RELOAD\_PAKET | Yes | Number | Total number of Reload packets |
| CROSS | Yes | Number | Total number of Cross chips |

**Example:**

|  |
| --- |
| **DATE|CLUSTER\_ID|TOTAL\_RELOAD\_PAKET|CROSS**  20200504|KEDIRI|40|7  20200504|BLOREM|20|9 |

### 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\_RELOAD\_PAKET|CROSS|ERROR\_CODE|ERROR\_MESSAGE**  20200504||40|7|1001|Mandatory Field CLUSTER\_ID is missing  20200504|BLOREM|20|A|1002|Cross contains invalid data |

# TECHNICAL SPECIFICATIONS

This section documents the system parameters and the corresponding values for the integration

## Performance specifications

This section documents describes the performance parameters that the interface should meet and the corresponding values. The performance requirements capture parameters such as expected frequency of the interface & data load etc.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NO | ID | INTERFACE NAME | PROCESSING FREQUENCY | # RECORDS PER SYNC |
|  | INTHDP001 | Site Mapping | DAILY ONCE | up to 40,000 |
|  | INTHDP002 | Primary MOBO | DAILY ONCE | up to 2,000 |
|  | INTHDP003 | Secondary MOBO | DAILY ONCE | up to 500,000 |
|  | INTHDP004 | Daily SIM Selling Outlet (SSO) | DAILY ONCE |  |
|  | INTHDP005 | RGU-GA with Injection 7K | DAILY ONCE | up to 3,000,000 |
|  | INTHDP006 | Tertiary Sales | DAILY ONCE | up to 2,000,000 |
|  | INTHDP007 | Organization MOBO Balance | DAILY ONCE | up to 1,000,000 |
|  | INTHDP008 | Prepaid Service Revenue | DAILY ONCE | up to 2,000,000 |
|  | INTHDP009 | MOBO Usage Revenue | DAILY ONCE | up to 500,000 |
|  | INTHDP010 | Acquisition Revenue | DAILY ONCE | N/A |
|  | INTHDP011 | Low revenue Sites | DAILY ONCE | N/A |
|  | INTHDP012 | Sites with RGU-GA | DAILY ONCE | N/A |
|  | INTHDP013 | Cross Selling Cluster Reload | DAILY ONCE | N/A |
|  | INTHDP014 | Cross Selling Area Data Package | DAILY ONCE | N/A |
|  | INTHDP015 | Outlet Program Achiever | ON DEMAND | N/A |
|  | INTHDP016 | Onetime Allocation Payment | ON DEMAND | N/A |
|  | INTHDP017 | URO 20K | DAILY ONCE | N/A |
|  | INTHDP018 | Stock Taking Activity | DAILY ONCE | up to 400,000 |
|  | INTHDP019 | Outlet StarterPack Tagging | DAILY ONCE | N/A |
|  | INTHDP020 | SIM Selling Outlet with High Value Customer | DAILY ONCE | N/A |
|  | INTHDP021 | Master Hierarchy Feed | DAILY ONCE | N/A |
|  | INTHDP022 | Physical Distribution | DAILY ONCE | N/A |
|  | INTHDP023 | DSSF Attendance | DAILY ONCE | N/A |
|  | INTHDP024 | SERIOUS CUSTOMER OUTLET | DAILY ONCE | N/A |
|  | INTHDP025 | SERIOUS CUSTOMER CLUSTER | DAILY ONCE | N/A |
|  | INTHDP026 | SITE WITH QURO AND QSSO | DAILY ONCE | N/A |
|  | INTHDP027 | CROSS SELLING TERRITORY CHIP | DAILY ONCE | N/A |

# FLAT-FILE PROCESSING

This section documents the system parameters and the corresponding values for the integration

## SNOC Approval & Rejection Validation

This section documents the system parameters and the corresponding values for the integration

### Error Codes and Reasons

This section documents

|  |  |
| --- | --- |
| CODE | ERROR MESSAGE |
| 101 | Internal Process Error - Please contact support team |
| 102 | File not received error |
| 103 | Unknown error |
| 105 | Partial file rejection error |
| 106 | Full file rejection error |
| 107 | Email address is not verified error |
| 108 | Serial not available |
| 109 | Error code Duplicate Serials |
| 110 | Order not placed or not in completed status error |
| 111 | Email compose error |
| 1001 | File name exist error |
| 10001 | Internal server error : |
| 10002 | Service error : |
| 12001 | Files are loaded into System. Waiting for record process / rejection preparation |
| 12002 | Files are converted to System. format and waiting for process / rejection preparation |
| 12003 | Files are created and ready to upload into SFTP |
| 12004 | Received files are loaded successfully into system |
| 12005 | All records shared in files were rejected by system - to know more details please check rejection file |
| 12006 | Few records shared in files were rejected by system - to know more details please check rejection file |
| 12007 | Files are uploaded to SFTP server |
| 12008 | No data found in uploaded file |
| 12009 | File data has been rollbacked due to internal issue |
| 12010 | Currently file process was disabled for interface ID : |
| 20001 | No of columns do not exist correctly : |
| 20002 | Mandatory Field value should not be empty : |
| 20003 | Contains invalid data : |
| 20004 | Error on validation : |
| 20005 | Duplicate record exists in the shared file : |
| 20006 | Considered latest, since multiple entries identified |
| 30001 | Invalid Organization : |
| 30002 | Organization is not in active status : |
| 30003 | Invalid Organization or not in Active status : |
| 30004 | External operator mapping not available for the given organization : |
| 30005 | Organization is already in the same status as shared in the file |
| 30101 | Invalid User : |
| 30102 | Invalid Username for User : |
| 30103 | Username should not contain spaces : |
| 30104 | User is already in the same status as shared in the file : |
| 30201 | Node not available for the given organization : |
| 30202 | Node not available or not in Active status for : |
| 30301 | Relationship do not exist between the organizations to perform the operation |
| 30302 | Relation does not exist between User and Organization : |
| 30401 | Invalid Product Code : |
| 30402 | Product is not in active status : |
| 30403 | Invalid Product or not in Active status : |
| 30404 | Invalid Product Category : |
| 30405 | Product category not in active status : |
| 30406 | Invalid Product category or not in Active status : |
| 30407 | Invalid Sub-Category for Category : |
| 30408 | Invalid Brand : |
| 30409 | Product ID not available for |
| 30410 | Found duplicates for given Product ID : |
| 30411 | Material Code already exists : |
| 30501 | Serial Numbers do not exist for the product : |
| 30502 | Serial Number Length should not be greater than : |
| 30601 | Default account not found for organization code : |
| 30602 | Default account is not in active status : |
| 30603 | Account not available or not in Active status for : |
| 30701 | Invalid Territory ID : |
| 30702 | Country value not available for the given Province : |
| 30703 | Failed in site mapping |
| 40001 | Duplicate Transaction : |
| 40002 | Invalid Payment Date |
| 40003 | Notification Receiving E-Mail is mandatory |
| 40004 | Notification Receiving MSISDN is mandatory |
| 40005 | Invalid Value for the Role Id : |
| 40006 | Transaction is not in completed status |
| 40007 | Record rejected due to some other invalid record in this transaction |
| 50001 | Invalid collection Organization for S-NOC database |
| 50002 | Invalid value or not in Active status : |
| 50003 | Invalid date format |
| 50004 | Date should not be future date |
| 60101 | Actor Mapping not found for |
| 60102 | Actor Mapping not found for |
| 60201 | Metric Mapping not found for |
| 60202 | Found duplicate Metric Mapping for |
| 60203 | Invalid Metric in configuration |
| 60301 | Source Mapping not found for |
| 60401 | Instance Mapping not found for |
| 60402 | Found Duplicate Instance Mapping for |
| 60501 | Dimension Mapping not found for given configuration |

# OPERATIONAL MONITORING & SUPPORT

## Monitoring & Alerts

For every interface next e-mail monitoring alert is configured in SNOC, which sent to configured e-mail addresses.

# ANNEXURES

## Appendix A: Open Issues

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

|  |  |  |  |
| --- | --- | --- | --- |
| ID | DESCRIPTION | RESPONSIBLE | STATUS |
|  |  |  |  |

# REFERENCES

Referenced document names or links:

|  |  |  |
| --- | --- | --- |
| DOCUMENT | DESCRIPTION | COMMENT |
| 200909 iBRS Automation\_r7b | Integrated Business Requirement Specification document | From: Amri Setiadi  Sent: Wednesday, 11 November, 2020 3:00 PM  Subject: RE: MoM 10-Nov-20: Indosat/SNOC - Daily call: Change Management & Operational Review |

# 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:

|  |  |  |
| --- | --- | --- |
| 1. **PARTHIPAN RAJAGOPAL** Business Analytic (ENHANCESYS) | Approved via e-mail | 23-Dec-2020 |
|  | Signature | Date |
| 1. **SENTHIL KUMAR**  Project Manager (ENHANCESYS) | Approved via e-mail | 23-Dec-2020 |
|  | Signature | Date |
| 1. **AMRI SETIADI** Business User (INDOSAT) | Approved via e-mail | 23-Dec-2020 |
|  | Signature | Date |
| 1. **BUDI PRIYAMBODO** Business User (INDOSAT) | Approved via e-mail |  |
|  | Signature | Date |