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| **Workflow ID** | **RCM\_INT\_WF\_001** |
| **Workflow Name** | wf\_ods\_asis\_inbound\_file\_processing |
| **Description** | This is a workflow which will help any As Is file to run its mapping and to check the entire flow of the source. |

**Components:**

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| **Sl No** | **Variable Name** | **Variable Description** |
| **1** | Start | This will mark the start of workflow. |
| **2** | Exclusive Gateway | To check the exit status of the previous tasks (cmd) and route it to success/failure path. |
| **3** | asm\_tsk\_wf\_st\_time | Assignment task to be used to capture the workflow starts time. |
| **4** | cmd\_MoveToProcess | This command task performs the Move of Source System Specific files from its RAW Zone directory to respective Process Zone directory for further processing. |
| **5** | cmd\_PatternValidation | This command task performs the Pattern Validation against the copied files present in respective Process Zone directory.  The rules have been defined in the shell scripts and the configuration as well as the file format metadata files will be used for the same. |
| **6** | cmd\_RejectOut | This task will remove the files in the process zone after having any of the Validation Failure and send it to Reject Zone. |
| **7** | cmd\_ControlValidtion | This task will Check the No of record count in the data file against the control file record count. |
| **8** | eml\_ControlValidation\_Failure | In case of any Control Validation Failure this notification task will send the email to concerned recipient. |
| **9** | cmd\_ThresholdValidation | This command task performs the Threshold Validation against the copied files present in respective Process Zone directory.  The rules have been defined in the shell scripts and the configuration as well as the file format metadata files will be used for the same. |
| **10** | eml\_ThresholdValidation\_Failure | In Case of any Threshold Validation Failure this notification task will send the email to concerned recipient. |
| **11** | cmd\_ControlFile\_gen | This will help to generate control file if required. |
| **12** | cmd\_CopyToPurposeSuccess | This task will perform the copy of Source System specific files from RAW Zone to Reltio out folder under for Purpose directory.  After this the files will be sent to Reltio for further processing |
| **13** | cmd\_FileArchiveSuccess | This Task Will perform the Archival of Source System specific files after they have passed all the file level validations successfully. |
| **14** | cmd\_JMS\_Message\_Failure | Command Task to be used to send the failure message to the required Message Queue/Topic. All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| **15** | cmd\_JMS\_Message\_Success | Command Task to be used to send the success message to the required Message Queue/Topic. All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| **16** | gtw\_JMS\_Write\_Failure | This gateway will evaluate whether the message writing activity into the concerned Queue/Topic is successful or not. |
| **17** | eml\_ValidationFailure | In Case of any Validation Failure (Pattern/Control/Validation) this notification task will send the email to concerned recipient |
| **18** | cmd\_touch\_val\_failure\_file | Command Task to generate a zero byte touch file src\_nm. "Failed" marking the processes as failure. |
| **19** | eml\_File\_Process\_Success | This Email task will send the notification into the intended recipient after all the processes run successfully. |
| **20** | cmd\_touch\_success\_file | This command task will create a zero byte file in the batch server trigger directory and the name will be <Source System Identifier>\_.success. |
| **21** | gtw\_RejectGenericFailure | In case of any failure apart from Validation Failure, All Failure paths will come to this point and further connect to the failure notification task. |
| **22** | gtw\_ForceAbort\_Map | Gateway to merge two unsuccessful paths leading to Force Abort Mapping Task. |
| **23** | cmd\_touch\_gen\_failure\_file | Command Task to generate a zero byte touch file src\_nm. "Failed" marking the processes as failure. |
| **24** | m\_Forcefully\_Abort | This Mapping Task will be invoked in case of any failure scenario (Validation/Generic). This mapping will always fail marking the entire workflow a failure. This will allow the control M job to treat this as a failure and restrict itself from triggering any further jobs. |
| **25** | eml\_Generic\_Failure | This Email task will send the notification to the intended recipient regarding any generic script failure. |
| **26** | End\_Process\_Gateway | This gateway will connect to the end\_event from generic Failure, Validation Failure and Success paths. |
| **27** | End\_Event | This will mark the end of the event. |

**Description:**

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| **SI No** | **Scenario** | **Stage** | **What To Check** | **Remediation** |
| **1** | SUCCESS | FINAL | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Message: A message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the Informatica workflow and logs. | NA |
| **2** | MOVE TO PROCESS | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs For That source System (error log and detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of the each files in the source system within the RAW Zone. 2. Check the infa parameter (param) file for further information.  3. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info.  4. Restart the entire process afresh after making sure that all the files are present in RAW Zone. |
| **3** | PATTERN VALIDATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (error log and detailed log). 4. Check the reject directory for the files. 5. Check the Informatica workflow and logs. | 1. Check all the arguments passed to the Informatica command task in the workflow. 2. Check no of file count with that of actual file count for that source system.  3. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 4. Check the parameter (param) file for any reference.  5. Re trigger the entire process afresh after moving the required files from Reject Zone to Raw Zone after checking the issue. |
| **4** | CONTROL VALIDATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (error log and detailed log). 4. Check the informatica workflow and logs. | 1. Check all the arguments passed to the command task in informatica workflow. 2. Check record count in data files is equal to record count of control files. 3. Check the informatica parameter (param) file for any reference. 4. Restart the entire process afresh after making sure that all the files are present in Processed Zone and moving them into Raw Zone.  5. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info.  **NOTE:** In case of failure process will log message in JMS queue and send out failure notification and continue to the next process. |
| **5** | THRESHOLD VALIDATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (error log and detailed log). 4. Check the informatica workflow and logs. | 1. Check all the arguments passed to the command task in informatica workflow. 2. Check the record count against threshold value i.e. so that it lies within the range. 3. Check the informatica parameter (param) file for any reference. 4. Re trigger the process by checking all the files are present in Processed Zone and moving them into Raw Zone.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info.  **NOTE:** In case of failure process will log message in JMS queue and send out failure notification and continue to the next process. |
| **6** | CONTROL FILE CREATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Unix logs for that source System (error log and detailed log). 3. Check the informatica workflow and logs. | 1. Check all the argument passed to the command task in informatica workflow. 2. Check control records are updated in the file count config file. 3. Check the informatica parameter (param) file for any reference.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 5. Re trigger the process by checking all the files are present in Processed Zone. |
| **7** | COPY TO PURPOSE | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of each files in the source system within the Processed Zone. 2. Check files in Purpose Zone has passed all the validations. 3. Check the informatica parameter (param) file for any reference.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 5. Re trigger the entire process by checking all the files are present in Processed Zone and then moving it to RAW Zone. |
| **8** | MOVE TO ARCHIVE | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of the source system for each files within It in Processed Zone. 2. Check files in Purpose Zone has passed all the validations. 3. Check the informatica parameter (param) file for any reference.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 5. Retrigger the move to archive process only by checking all the files are present in Purpose Zone if the files are already delivered in to the for\_purpose layer. Re trigger only the archive part after analysis to only archive the files. |

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| **Workflow ID** | **RCM\_INT\_WF\_002** |
| **Workflow Name** | wf\_ods\_sales\_inb\_file\_process\_<srcsystemname> (e.g. wf\_ods\_sales\_inb\_file\_process\_caremark) - generic workflow to process transactional files. |
| **Description** | This is a workflow which will help any sales file to run its mapping and check the entire flow of the source. |

**Components:**

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| **Sl No** | **Variable Name** | **Variable Description** |
| **1** | Start | This will mark the start of workflow. |
| **2** | Exclusive Gateway | To check the exit status of the previous tasks (cmd) and route it to success/failure path. |
| **3** | asm\_tsk\_wf\_st\_time | Assignment task to be used to capture the workflow starts time. |
| **4** | cmd\_MoveToProcess | This command task performs the Move of Source System Specific files from its RAW Zone directory to respective Process Zone directory for further processing. |
| **5** | cmd\_PatternValidation | This command task performs the Pattern Validation against the copied files present in respective Process Zone directory.  The rules have been defined in the shell scripts and the configuration as well as the file format metadata files will be used for the same. |
| **6** | cmd\_RejectOut | This task will remove the files in the process zone after having any of the Validation Failure and send it to Reject Zone. |
| **7** | cmd\_ControlValidtion | This command task performs the Control Validation against the copied files present in respective Process Zone directory.  The rules have been defined in the shell scripts and the configuration as well as the file format metadata files will be used for the same. |
| **8** | eml\_ControlValidation\_Failure | In case of any Control Validation Failure this notification task will send the email to concerned recipient. |
| **9** | cmd\_Cust\_Data\_Seg | Command Task which will segregate the customer information from the sales file(s), DE duplicate it and write it to a new file. |
| **10** | gtw\_CustDataSeg | Gateway To evaluate the success/failure status of the command task CUSTOMER DATA SEGREGATION |
| **11** | m\_Task\_New\_Cust\_Extract\_Caremark | Mapping tsk to find out the new customer on the basis of ssk and interface code by comparing with the respective (HCP/HCA) XREF. |
| **12** | gtw\_NewCustExtract | Gateway to determine the exit/completion status of the executed mapping task was successful or not and route it to subsequent paths accordingly. |
| **13** | gtw\_File\_Nm\_Std | Gateway to route the incoming paths either from mapping or customer segregation command task to the name standardization task. |
| **14** | cmd\_FileNameStd | Command Task which will rename the segregated all\_customer\_file and the new\_customer\_file into  Standard naming convention so that they can be passed to the required channels. |
| **15** | gtw\_FileNmStd | Gateway to determine the exit/completion status of the executed command task cmd\_FileNameStd was successful or not and route it to subsequent paths accordingly. |
| **16** | cmd\_ThresholdValidation | This command task performs the Threshold Validation against the copied files present in respective Process Zone directory.  The rules have been defined in the shell scripts and the configuration as well as the file format metadata files will be used for the same. |
| **17** | eml\_ThresholdValidation\_Failure | In Case of any Threshold Validation Failure this notification task will send the email to concerned recipient. |
| **18** | gtw\_ValidationReject | Gateway to go for Rest of the tasks after any validation failure. |
| **19** | cmd\_Ctl\_FileGen | This will help to generate control file if required. |
| **20** | cmd\_CopyToPurposeSuccess | This task will perform the copy of Source System specific files from RAW Zone to Reltio out folder under for Purpose directory.  After this the files will be sent to Reltio for further processing |
| **21** | cmd\_FileArchiveSuccess | This Task Will perform the Archival of Source System specific files after they have passed all the file level validations successfully. |
| **22** | cmd\_JMS\_Message\_Failure | Command Task to be used to send the failure message to the required Message Queue/Topic. All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| **23** | cmd\_JMS\_Message\_Success | Command Task to be used to send the success message to the required Message Queue/Topic. All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| **24** | gtw\_JMS\_Write\_Failure | This gateway will evaluate whether the message writing activity into the concerned Queue/Topic is successful or not. |
| **25** | eml\_ValidationFailure | In Case of any Validation Failure (Pattern/Control/Validation) this notification task will send the email to concerned recipient |
| **26** | cmd\_touch\_val\_failure\_file | Command Task to generate a zero byte touch file src\_nm. "Failed" marking the processes as failure. |
| **27** | eml\_File\_Process\_Success | This Email task will send the notification into the intended recipient after all the processes run successfully. |
| **28** | cmd\_touch\_success\_file | This command task will create a zero byte file in the batch server trigger directory and the name will be <Source System Identifier>\_.success. |
| **29** | gtw\_RejectGenericFailure | In case of any failure apart from Validation Failure, All Failure paths will come to this point and further connect to the failure notification task. |
| **30** | gtw\_ForceAbort\_Map | Gateway to merge two unsuccessful paths leading to Force Abort Mapping Task. |
| **31** | cmd\_touch\_gen\_failure\_file | Command Task to generate a zero byte touch file src\_nm. "Failed" marking the processes as failure. |
| **32** | m\_Forcefully\_Abort | This Mapping Task will be invoked in case of any failure scenario (Validation/Generic). This mapping will always fail marking the entire workflow a failure. This will allow the control M job to treat this as a failure and restrict itself from triggering any further jobs. |
| **33** | eml\_Generic\_Failure | This Email task will send the notification to the intended recipient regarding any generic script failure. |
| **34** | End\_Process\_Gateway | This gateway will connect to the end\_event from generic Failure, Validation Failure and Success paths. |
| **35** | End\_Event | This will mark the end of the event. |

**Description:**

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| **SI NO** | **SCENARIO** | **STAGE** | **WHAT TO CHECK** | **REMEDIATION** |
| **1** | SUCCESS | FINAL | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Message: A message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the informatica workflow and logs. | **NA** |
| **2** | MOVE TO PROCESS | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of the each files in the source system within the RAW Zone. 2. Check the infa parameter (param) file for further information.  3. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info.  4. Restart the entire process afresh after making sure that all the files are present in RAW Zone. |
| **3** | PATTERN VALIDATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (detailed log). 4. Check the reject directory for the files. 5. Check the informatica workflow and logs. | 1. Check all the arguments passed to the Informatica command task in the workflow. 2. Check no of file count with that of actual file count for that source system.  3. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 4. Check the parameter (param) file for any reference.  5. Re trigger the entire process afresh after moving the required files from Reject Zone to Raw Zone after checking the issue. |
| **4** | CONTROL VALIDATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (detailed log). 4. Check the reject directory for the files. 5. Check the informatica workflow and logs. | 1. Check all the arguments passed to the Informatica command task in the workflow. 2. Check record count in data files is equal to record count of control files.  3. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 4. Check the informatica parameter (param) file for any reference.  5. Re trigger the entire process afresh after moving the required files from Reject Zone to Raw Zone after checking the issue. |
| **5** | CUSTOMER DATA SEGREGATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Unix logs for that source System (detailed log). 3. Check the informatica workflow and logs. | 1. Check all the arguments passed to the Informatica command task in the workflow. 2. Check the segregation process in segregation script.  3. Check segregation process which failed to write to a new file.  4. Check the informatica parameter (param) file for any reference. 5. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info.  6. Re trigger the process by checking all the files are present in Processed Zone. |
| **6** | FILE NAME STANDARDIZATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Unix logs for that source System (detailed log). 3. Check the informatica workflow and logs. | 1. Check all the arguments passed to the Informatica command task in the workflow. 2. Check whether the file name matches with the standardization defined. 3. Check the informatica parameter (param) file for any reference. 4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info.  5. Re trigger the process by checking all the files are present in Processed Zone. |
| **7** | THRESHOLD VALIDATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (detailed log). 4. Check the reject directory for the files. 5. Check the informatica workflow and logs. | 1. Check all the arguments passed to the command task in informatica workflow.  2. Check the record count against threshold value i.e. so that it lies within the range.  3. Check the informatica parameter (param) file for any reference  4. Re trigger the entire process afresh after moving the required files from Reject Zone to Raw Zone after checking the issue. |
| **8** | CONTROL FILE CREATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Unix logs for that source System (detailed log). 3. Check the informatica workflow and logs. | 1. Check all the argument passed to the command task in informatica workflow. 2. Check the record count against threshold value so that it lies within the range. 3. Check control records are updated in the file count config file. 4. Check the informatica parameter (param) file for any reference.  5. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 6. Re trigger the process by checking all the files are present in Processed Zone. |
| **9** | COPY TO PURPOSE | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of each files in the source system within the Processed Zone. 2. Check files in Purpose Zone has passed all the validations. 3. Check the informatica parameter (param) file for any reference.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 5. Re trigger the entire process by checking all the files are present in Processed Zone and then moving it to RAW Zone. |
| **10** | MOVE TO ARCHIVE | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of the source system for each files within It in Processed Zone. 2. Check files in Purpose Zone has passed all the validations. 3. Check the informatica parameter (param) file for any reference.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 5. Retrigger the move to archive process only by checking all the files are present in Purpose Zone if the files are already delivered in to the for\_purpose layer. Re trigger only the archive part after analysis to only archive the files. |

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| **Workflow ID** | **RCM\_INT\_WF\_003** |
| **Workflow Name** | wf\_ods\_Ingest\_FRZN\_Org |
| **Description** | This workflow will validate the incoming weekly full refresh frozen HCA information files and load it into the corresponding target Hive table. |

**Components:**

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| **Sl No** | **Variable Name** | **Variable Description** |
| **1** | Start | This will mark the start of workflow. |
| **2** | Exclusive Gateway | To check the exit status of the previous tasks (cmd) and route it to success/failure path. |
| **3** | asm\_tsk\_wf\_st\_time | Assignment task to be used to capture the workflow starts time. |
| **4** | cmd\_MoveToProcess | This command task performs the Move of Source System Specific files from its RAW Zone directory to respective Process Zone directory for further processing. |
| **5** | cmd\_RejectOut | This task will remove the files in the process zone after having any of the Validation Failure and send it to Reject Zone. |
| **6** | cmd\_Fl\_Cnt\_Vald | This command task performs the file count Validation against the copied files present in respective Process Zone directory.  The rules have been defined in the shell scripts and the configuration as well as the file format metadata files will be used for the same. |
| **7** | cmd\_CtrlVald | This command task performs the control Validation against the copied files present in respective Process Zone directory.  The rules have been defined in the shell scripts and the configuration as well as the file format metadata files will be used for the same. |
| **8** | cmd\_JMS\_Msg\_Ctrl\_Vald | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| **9** | eml\_Ctrl\_Vald\_Failed | In Case of any Control Validation Failure this notification task will send the email to concerned recipient. |
| 10 | cmd\_Fl\_Format\_Vald | This command task performs the validation of header for each file with agreed file header structure to confirm the sequence of columns in file. |
| 11 | cmd\_Concat\_Period\_Cd | This command task performs the concatenation of period code at the end of each records in all the files based on the corresponding control files. |
| 12 | m\_Univ\_Ind\_Validation | Mapping Which will be used to filter the data based on the universe indicator value. |
| 13 | cmd\_JMS\_Msg\_Univ\_Ind\_Vald | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 14 | eml\_Univ\_ind | In Case of any Universal Indicator check Failure, this notification task will send the email to concerned recipient. |
| 15 | m\_File\_Type\_Validation | Mapping Which will be used to filter the data based on the file type value. |
| 16 | cmd\_JMS\_Msg\_Fl\_Type\_Vald | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 17 | eml\_Fl\_Type\_val | In Case of any File Type check Failure, this notification task will send the email to concerned recipient. |
| 18 | m\_Mandate\_Field\_Validation | Mapping to check whether mandatory fields are there i.e. not null. |
| 19 | cmd\_JMS\_Msg\_Mand\_Fld\_Vald | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 20 | eml\_Mand\_Fld\_Val | In Case of any Mandatory field check Failure (Null value in Mandatory fields), this notification task will send the email to concerned recipient. |
| 21 | m\_FRZN\_HCA\_Integrity\_Check1 | Mapping to check the incoming data with that of existing Current Profile XREF on the basis of RCM\_ID. |
| 22 | cmd\_JMS\_Msg\_Integ\_chk1 | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 23 | eml\_Integ\_chk1 | In Case of any Integrity check 1 Failure, this notification task will send the email to concerned recipient. |
| 24 | m\_FRZN\_HCP\_Integrity\_Check2 | Mapping to check the incoming data with that of incoming Profile XREF on the basis of RCM\_ID. |
| 25 | cmd\_JMS\_Msg\_Integ\_chk2 | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 26 | eml\_Integ\_chk2 | In Case of any Integrity check 2 Failure, this notification task will send the email to concerned recipient. |
| 27 | m\_Audit\_Ctrl\_HCA | This mapping will insert all the Audit Information’s when a Load Job or Publish Job is run for Health Care Professional (HCA). |
| 28 | m\_New\_Qrtr\_Iden\_HCA | This mapping will check whether the newly determined quarter with required additional information is inserted. |
| 29 | m\_upd\_incr |  |
| 30 | eml\_Metrics\_Deviation |  |
| 31 | gtw\_Load\_Data |  |
| 32 | gtw\_Load\_Data\_Xref |  |
| 33 | gtw\_Load\_Data\_Xref\_Stat |  |
| 34 | cmd\_CopyToPurposeSuccess | This task will perform the copy of Source System specific files from RAW Zone to Reltio out folder under for Purpose directory.  After this the files will be sent to Reltio for further processing |
| 35 | cmd\_FileArchive | This Task will perform the Archival of Source System specific files after they have passed all the file level validations successfully. |
| 36 | cmd\_JMS\_Message\_Failure | Command Task to be used to send the failure message to the required Message Queue/Topic. All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 37 | cmd\_JMS\_Message\_Success | Command Task to be used to send the success message to the required Message Queue/Topic. All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 38 | eml\_Fl\_Prcss\_Successs | This Email task will send the notification into the intended recipient after all the processes run successfully. |
| 39 | gtw\_JMS\_Write\_Failure | This gateway will evaluate whether the message writing activity into the concerned Queue/Topic is successful or not. |
| 40 | cmd\_RejectOut | This task will remove the files in the process zone after they have any of the Validation Failure and sent to REJECT OUT folder for further action and notifications to the source system owners. |
| 41 | eml\_ValidationFailure | In Case of any Validation Failure (Pattern/Control/Validation) this notification task will send the email to concerned recipient |
| 42 | gtw\_RejectGenericFailure | In case of any failure apart from Validation Failure, All Failure paths will come to this point and further connect to the failure notification task. |
| 43 | eml\_Generic\_Failure | This Email task will send the notification to the intended recipient regarding any generic script failure. |
| 44 | gtw\_ForceAbort\_Map | Gateway to merge two unsuccessful paths leading to Force Abort Mapping Task. |
| **45** | m\_Forcefully\_Abort | This Mapping Task will be invoked in case of any failure scenario (Validation/Generic). This mapping will always fail marking the entire workflow a failure. This will allow the control M job to treat this as a failure and restrict itself from triggering any further jobs. |
| **46** | gtw\_End\_Process | This gateway will connect to the end\_event from generic Failure, Validation Failure and Success paths. |
| **47** | End\_Event | This will mark the end of the event. |

**Description:**

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| **Workflow ID** | **RCM\_INT\_WF\_004** |
| **Workflow Name** | wf\_ods\_Ingest\_FRZN\_Prof |
| **Description** | This workflow will validate the incoming weekly full refresh frozen HCP information files and load it into the corresponding target Hive table. |

**Components:**

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| **Sl No** | **Variable Name** | **Variable Description** |
| **1** | Start | This will mark the start of workflow. |
| **2** | Exclusive Gateway | To check the exit status of the previous tasks (cmd) and route it to success/failure path. |
| **3** | asm\_tsk\_wf\_st\_time | Assignment task to be used to capture the workflow starts time. |
| **4** | cmd\_MoveToProcess | This command task performs the Move of Source System Specific files from its RAW Zone directory to respective Process Zone directory for further processing. |
| **5** | cmd\_RejectOut | This task will remove the files in the process zone after having any of the Validation Failure and send it to Reject Zone. |
| **6** | cmd\_Fl\_Cnt\_Vald | This command task performs the file count Validation against the copied files present in respective Process Zone directory.  The rules have been defined in the shell scripts and the configuration as well as the file format metadata files will be used for the same. |
| **7** | cmd\_CtrlVald | This command task performs the control Validation against the copied files present in respective Process Zone directory.  The rules have been defined in the shell scripts and the configuration as well as the file format metadata files will be used for the same. |
| **8** | cmd\_JMS\_Msg\_Ctrl\_Vald | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| **9** | eml\_Ctrl\_Vald\_Failed | In Case of any Control Validation Failure this notification task will send the email to concerned recipient. |
| 10 | cmd\_Fl\_Format\_Vald | This command task performs the validation of header for each file with agreed file header structure to confirm the sequence of columns in file. |
| 11 | cmd\_Concat\_Period\_Cd | This command task performs the concatenation of period code at the end of each records in all the files based on the corresponding control files. |
| 12 | m\_Univ\_Ind\_Validation | Mapping Which will be used to filter the data based on the universe indicator value. |
| 13 | cmd\_JMS\_Msg\_Univ\_Ind\_Vald | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 14 | eml\_Univ\_ind | In Case of any Universal Indicator check Failure, this notification task will send the email to concerned recipient. |
| 15 | m\_File\_Type\_Validation | Mapping Which will be used to filter the data based on the file type value. |
| 16 | cmd\_JMS\_Msg\_Fl\_Type\_Vald | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 17 | eml\_Fl\_Type\_val | In Case of any File Type check Failure, this notification task will send the email to concerned recipient. |
| 18 | m\_Mandate\_Field\_Validation | Mapping to check whether mandatory fields are there i.e. not null. |
| 19 | cmd\_JMS\_Msg\_Mand\_Fld\_Vald | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 20 | eml\_Mand\_Fld\_Val | In Case of any Mandatory field check Failure (Null value in Mandatory fields), this notification task will send the email to concerned recipient. |
| 21 | m\_FRZN\_HCP\_Integrity\_Check1 | Mapping to check the incoming data with that of existing Current Profile XREF on the basis of RCM\_ID. |
| 22 | cmd\_JMS\_Msg\_Integ\_chk1 | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 23 | eml\_Integ\_chk1 | In Case of any Integrity check 1 Failure, this notification task will send the email to concerned recipient. |
| 24 | m\_FRZN\_HCP\_Integrity\_Check2 | Mapping to check the incoming data with that of incoming Profile XREF on the basis of RCM\_ID. |
| 25 | cmd\_JMS\_Msg\_Integ\_chk2 | Command Task to be used to send the success message to the required Message Queue/Topic.  All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 26 | eml\_Integ\_chk2 | In Case of any Integrity check 2 Failure, this notification task will send the email to concerned recipient. |
| 27 | m\_Audit\_Ctrl\_HCP | This mapping will insert all the Audit Information’s when a Load Job or Publish Job is run for Health Care Professional (HCP). |
| 28 | m\_New\_Qrtr\_Iden\_HCP | This mapping will check whether the newly determined quarter with required additional information is inserted. |
| 29 | m\_upd\_incr |  |
| 30 | eml\_Metrics\_Deviation |  |
| 31 | gtw\_Load\_Data |  |
| 32 | gtw\_Load\_Data\_Xref |  |
| 33 | gtw\_Load\_Data\_Xref\_Stat |  |
| 34 | cmd\_CopyToPurposeSuccess | This task will perform the copy of Source System specific files from RAW Zone to Reltio out folder under for Purpose directory.  After this the files will be sent to Reltio for further processing |
| 35 | cmd\_FileArchive | This Task will perform the Archival of Source System specific files after they have passed all the file level validations successfully. |
| 36 | cmd\_JMS\_Message\_Failure | Command Task to be used to send the failure message to the required Message Queue/Topic. All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 37 | cmd\_JMS\_Message\_Success | Command Task to be used to send the success message to the required Message Queue/Topic. All the values will be read from the parameter file and will be provided as an argument to the message sending java script. |
| 38 | eml\_Fl\_Prcss\_Successs | This Email task will send the notification into the intended recipient after all the processes run successfully. |
| 39 | gtw\_JMS\_Write\_Failure | This gateway will evaluate whether the message writing activity into the concerned Queue/Topic is successful or not. |
| 40 | cmd\_RejectOut | This task will remove the files in the process zone after they have any of the Validation Failure and sent to REJECT OUT folder for further action and notifications to the source system owners. |
| 41 | eml\_ValidationFailure | In Case of any Validation Failure (Pattern/Control/Validation) this notification task will send the email to concerned recipient |
| 42 | gtw\_RejectGenericFailure | In case of any failure apart from Validation Failure, All Failure paths will come to this point and further connect to the failure notification task. |
| **43** | eml\_Generic\_Failure | This Email task will send the notification to the intended recipient regarding any generic script failure. |
| **44** | gtw\_ForceAbort\_Map | Gateway to merge two unsuccessful paths leading to Force Abort Mapping Task. |
| **45** | m\_Forcefully\_Abort | This Mapping Task will be invoked in case of any failure scenario (Validation/Generic). This mapping will always fail marking the entire workflow a failure. This will allow the control M job to treat this as a failure and restrict itself from triggering any further jobs. |
| **46** | gtw\_End\_Process | This gateway will connect to the end\_event from generic Failure, Validation Failure and Success paths. |
| **47** | End\_Event | This will mark the end of the event. |

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| **Workflow ID** | **RCM\_INT\_WF\_005** |
| **Workflow Name** | wf\_Publish\_CIM\_Frozen\_Org |
| **Description** | This workflow will publish the data for CIM ORG. |

**Components:**

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| **SI NO** | **SCENARIO** | **STAGE** | **WHAT TO CHECK** | **REMEDIATION** |
| **1** | SUCCESS | FINAL | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Message: A message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the Informatica workflow and logs. | **NA** |
| **2** | START TIME ASSIGNMENT TASK | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Message: A message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the Informatica workflow and logs. | 1.Check the command to generate the start time of the work flow |
| **3** | MAPPINGS | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Unix logs For That source System (detailed log). 3. Check the Informatica workflow and logs. |  |
| **4** | FILE NAME STANDARDIZATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Unix logs for that source System (detailed log). 3. Check the Informatica workflow and logs. | 1. Check all the arguments passed to the Informatica command task in the workflow. 2. Check whether the file name matches with the standardization defined. 3. Check the Informatica parameter (param) file for any reference. 4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info.  5. Re trigger the process by checking all the files are present in Processed Zone. |
| **5** | COPY TO PURPOSE | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of each files in the source system within the Processed Zone. 2. Check files in Purpose Zone has passed all the validations. 3. Check the informatica parameter (param) file for any reference.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 5. Re trigger the entire process by checking all the files are present in Processed Zone and then moving it to RAW Zone. |
| **6** | MOVE TO ARCHIVE | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of the source system for each files within It in Processed Zone. 2. Check files in Purpose Zone has passed all the validations. 3. Check the informatica parameter (param) file for any reference.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 5. Retrigger the move to archive process only by checking all the files are present in Purpose Zone if the files are already delivered in to the for\_purpose layer. Re trigger only the archive part after analysis to only archive the files. |

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| **Workflow ID** | **RCM\_INT\_WF\_006** |
| **Workflow Name** | wf\_Publish\_CIM\_Frozen\_Prof |
| **Description** | This workflow will publish the data for CIM PROF. |

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| **SI NO** | **SCENARIO** | **STAGE** | **WHAT TO CHECK** | **REMEDIATION** |
| **1** | SUCCESS | FINAL | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Message: A message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the Informatica workflow and logs. | **NA** |
| **2** | START TIME ASSIGNMENT TASK | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Message: A message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the Informatica workflow and logs. | 1.Check the command to generate the start time of the work flow |
| **3** | MAPPINGS | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Unix logs For That source System (detailed log). 3. Check the Informatica workflow and logs. |  |
| **4** | FILE NAME STANDARDIZATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Unix logs for that source System (detailed log). 3. Check the Informatica workflow and logs. | 1. Check all the arguments passed to the Informatica command task in the workflow. 2. Check whether the file name matches with the standardization defined. 3. Check the Informatica parameter (param) file for any reference. 4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info.  5. Re trigger the process by checking all the files are present in Processed Zone. |
| **5** | COPY TO PURPOSE | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of each files in the source system within the Processed Zone. 2. Check files in Purpose Zone has passed all the validations. 3. Check the informatica parameter (param) file for any reference.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 5. Re trigger the entire process by checking all the files are present in Processed Zone and then moving it to RAW Zone. |
| **6** | MOVE TO ARCHIVE | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of the source system for each files within It in Processed Zone. 2. Check files in Purpose Zone has passed all the validations. 3. Check the informatica parameter (param) file for any reference.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 5. Retrigger the move to archive process only by checking all the files are present in Purpose Zone if the files are already delivered in to the for\_purpose layer. Re trigger only the archive part after analysis to only archive the files. |

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| **Workflow ID** | **RCM\_INT\_WF\_007** |
| **Workflow Name** | wf\_Publish\_DSS\_Frozen\_Org |
| **Description** | This workflow will publish the data for DSS ORG. |

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| **SI NO** | **SCENARIO** | **STAGE** | **WHAT TO CHECK** | **REMEDIATION** |
| **1** | SUCCESS | FINAL | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Message: A message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the Informatica workflow and logs. | **NA** |
| **2** | START TIME ASSIGNMENT TASK | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Message: A message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the Informatica workflow and logs. | 1.Check the command to generate the start time of the work flow |
| **3** | MAPPINGS | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Unix logs For That source System (detailed log). 3. Check the Informatica workflow and logs. |  |
| **4** | FILE NAME STANDARDIZATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Unix logs for that source System (detailed log). 3. Check the Informatica workflow and logs. | 1. Check all the arguments passed to the Informatica command task in the workflow. 2. Check whether the file name matches with the standardization defined. 3. Check the Informatica parameter (param) file for any reference. 4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info.  5. Re trigger the process by checking all the files are present in Processed Zone. |
| **5** | COPY TO PURPOSE | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of each files in the source system within the Processed Zone. 2. Check files in Purpose Zone has passed all the validations. 3. Check the informatica parameter (param) file for any reference.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 5. Re trigger the entire process by checking all the files are present in Processed Zone and then moving it to RAW Zone. |
| **6** | MOVE TO ARCHIVE | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Message: A failure message is written in the java messaging queue. 3. Check Unix logs for that source System (detailed log). 4. Check the informatica workflow and logs. | 1. Check for the permission of the source system for each files within It in Processed Zone. 2. Check files in Purpose Zone has passed all the validations. 3. Check the informatica parameter (param) file for any reference.  4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info. 5. Retrigger the move to archive process only by checking all the files are present in Purpose Zone if the files are already delivered in to the for\_purpose layer. Re trigger only the archive part after analysis to only archive the files. |

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| **Workflow ID** | **RCM\_INT\_WF\_007** |
| **Workflow Name** | wf\_Publish\_DSS\_Frozen\_Prof |
| **Description** | This workflow will publish the data for DSS ORG. |

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| **SI NO** | **SCENARIO** | **STAGE** | **WHAT TO CHECK** | **REMEDIATION** |
| **1** | SUCCESS | FINAL | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Message: A message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the Informatica workflow and logs. | **NA** |
| **2** | START TIME ASSIGNMENT TASK | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Message: A message is written in the java messaging queue. 3. Check Unix logs For That source System (detailed log). 4. Check the Informatica workflow and logs. | 1. Check the command to generate the start time of the work flow. |
| **3** | MAPPINGS | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking success message. 2. Check Unix logs For That source System (detailed log). 3. Check the Informatica workflow and logs. |  |
| **4** | FILE NAME STANDARDIZATION | FAILURE | 1. Check Emails: Email is triggered to a particular recipient invoking failure message. 2. Check Unix logs for that source System (detailed log). 3. Check the Informatica workflow and logs. | 1. Check all the arguments passed to the Informatica command task in the workflow. 2. Check whether the file name matches with the standardization defined. 3. Check the Informatica parameter (param) file for any reference. 4. Check the detail log of that day for that source system. Error log will just give an indication that the process has failed and will contain limited error info.  5. Re trigger the process by checking all the files are present in Processed Zone. |
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