O2\_GENAI\_INT3816

Lean Specification

O2\_GENAI\_INT3816\_Transfer Orders (Cloud to Logfire)

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# Summary

## Purpose/Justification

This document forms a basis for the detailed technical design for Transfer Orders.It captures all technical details to address the business requirements given in the functional specification “**XXXX– Transfer Orders (Cloud to Logfire)**” for developing **the “CLIENT OM TransferOrders From Cloud to LogFire (1.0)”**. This document is intended to provide the developer with necessary information to implement effective and accurate “Transfer Orders (Cloud to Logfire)” design and build.

## Integration Description and Overviews

NA

## Sample Output / Screen Layout

NA

## Definitions and Acronyms

| Acronym | Meaning | Description |
| --- | --- | --- |
| SFTP | Secure File Transfer Protocol | Secure File Transfer Protocol location where the files can be accessed only if permissions provided |
| API | Application Programming Interface | The interface that a computer system, library or application provides in order to allow requests for services to be made of it by other computer programs, and/or to allow data to be exchanged between them. |
| DBCS | Data Base Cloud Service | Database hosted on cloud |
| SOAP | Simple Object Access Protocol | A [protocol](https://en.wikipedia.org/wiki/Protocol_(computing)) specification for exchanging structured information in the implementation of [web services](https://en.wikipedia.org/wiki/Web_service) in [computer networks](https://en.wikipedia.org/wiki/Computer_network). |

# Functional Design

## Integration Details

|  |  |
| --- | --- |
| Integration System Name | O2\_GENAI\_INT3816\_Transfer Orders (Cloud to Logfire) |
| Integration Source |  |
| Integration Target |  |
| Delivery or Retrieval Method |  |
| Full Extract / Changes Only |  |
| Expected Volume | Normal: TBD  Peak: |
| Run Frequency/Schedule |  |
| Integration Notifications | Notifications will be sent to technical or functional resources depending upon the nature of the error. |

## Launch Parameters

NA

## Data Selection and Sorting

NA

## Data Mapping

ICS Lookup Mapping:

| Lookup Name | Attribute | Value | Description |
| --- | --- | --- | --- |
| Client\_logfire\_common\_lookup | Ordertype\_to\_21 | Client transfer order | Order Type being used by integration process. |
| Client\_logfire\_common\_lookup | Shipviacode\_21 | Ground | Ship Via Code being used for this interface |
| CLIENT\_INTERFACE\_NOTIFICATION\_MAILERS | All\_Inbounds\_lgf\_From | <Fromemail>@sjrb.ca | From Email Id for all notifications |
| CLIENT\_INTERFACE\_NOTIFICATION\_MAILERS | LOG-INT-21\_To | <Toemail>@sjrb.ca | To email Ids for sending notifications |

## Interface Trigger Details

NA

## Security & Control Requirements

NA

## Encryption Requirements

NA

## Error Handling Logic

NA

## Assumptions

The interface will bring the correct Transfer Order details from Oracle Cloud that is staged into Logfire

## Application Setup Requirements

NA

## Test Scenarios

NA

# Oracle Cloud Technical Design

## Overview

This document defines the technical component details required to implement the transfer order load to logfire”. This Technical Specifications (Client Interface MD70 Transfer Orders document complements the Functional Specifications (XXXX– Transfer Orders (Cloud to Logfire) document for Transfer Order Integration from Oracle to Logfire and the set should be considered as the complete detailed design.

## Detailed Integration Design

NA

## High Level Flow Diagram

NA

## Integration Process

|  |  |
| --- | --- |
| **Process Step** | **Description** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## Integration Details

### Integration\_Name Integration Design

NA

|  |  |
| --- | --- |
| **Integration Design** | |
| **Integration System Name** | O2\_GENAI\_INT3816\_Transfer Orders (Cloud to Logfire) |
| **Integration Type** | Inbound  Outbound |
| **Integration Tool** | HCM Extract  BIP  HDL  PBL  REST Services |
| **Data Source** (check all that apply) | Custom Report <insert report name>  Cloud Connect Template Type <specify CCW/PICOF/Other>  Web Service <insert WWS name or external web service>  File Inbound into Oracle <insert file name> |
|  |  |
| **Transformation** | Doc Transformation <name of file>  XSLT <name of XSLT file(s)>  None |
| **Delivery / Retrieval Service** | <insert delivery/retrieval details such as UCM/SFTP/PAAS> |
| **Output/Inbound Filename** | <filename or Not Applicable> |
| **File Format** | <csv, pipe delimited, Not Applicable> |
| **Sequence Generators** | <list> |
| **Document Retention** | <number of days> |
| **Integration System User** | <document the ISU or user ID of custom report owner> |
| **Integration System Security Group** | <document the ISSG or Not Applicable> |
| Additional Information | <Document any details not described above.> |

**<Needed in case of HCM Extracts>**

|  |  |
| --- | --- |
| **HCM Extract Details** | |
| **Entity Names** | * <list if applicable> |
| **Parameters** | * <list if applicable> |
| **Links** | * <document the logic, if applicable> |
| **Filters** | * <list if applicable> |

### HCM Extracts <Needed in case of HCM Extracts>

NA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **HCM Extract Attribute Details** | | | | | |
| **Column** | **Entity Name** | **Attribute Name** | **Conditional Action** | **Conditional Replacement** | **Comments** |

### BI Reports <Needed in case of BI Reports>

NA

**<Needed in Case on Inbound Integrations>**

|  |  |
| --- | --- |
| **Integration Details** | |
| **Entity Names** | * Provide the HDL or PBL entity/entities which are getting loaded |
| **Integration Attributes** | * List of attributes |
| **Integration Maps** | * <list if applicable> |
| **Validation** | * <list if applicable> |
| **Defaulting Logic** | <List of any attributes whose values are defaulted > |
| **Additional Logic** | Add any additional logic specific to the interface |
| **Deployment Details** | Details of Deployment (PaaS or Client Network) |
| **Database Details** | Database connection details for the program |

## Data File Format

NA

|  |  |
| --- | --- |
| Property Name | Value |
| File Format | csv/xml/Oracle FBDI etc |
| Sample Data File | <embed sample file> |

## Custom Database Objects

NA

|  |  |  |  |
| --- | --- | --- | --- |
| Schema | Object Name | Object Type | Purpose |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Custom Stored Procedures

NA

|  |  |  |  |
| --- | --- | --- | --- |
| Schema | Object Name | Object Type | Purpose |
|  |  | Procedure/Function/Package |  |
| Pseudocode |  | | |

## BI Publisher Report Details

|  |  |
| --- | --- |
| **BI Publisher Details** | |
| **Data Model Name** | Subledger Journal Adjustment Outbound to Performance Plus |
| **Data Set Name** | G\_SUB\_JE\_ADJ\_OUT\_PPLUS |
| **Template Name** | Output |
| **Template Output Formats (\* Indicates Default)** | Text |

|  |  |
| --- | --- |
| BI Publisher Details | |
| Data Model Name |  |
| Report SQL | <SQL Query> |

## FBDI Processing

NA

## Web Services

NA

## UCM Upload (for FBDI Processing)

NA

## Enterprise Scheduler Services (ESS)

NA

### ESS Job details

NA

| Program | Short Name | Application | Description | Executable Name | Output Format |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

### ESS Parameters

NA

| Program Name | Parameter Name | Value | Comment |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

## Conditions and Filters

NA

| Sr. No | Data Condition | Business Rule |
| --- | --- | --- |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |

## Environment Configurations

NA

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Parameter Name | Environment | Value |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |

## Validation & Error Handling

**Validations**

* Based on the Last successful run date of CLIENT\_INTERFACE\_RUN\_DETAILS, ERP query service is invoked to validate any records present. Notification is sent out to users for no data found.

**Error Handling**

1. This interface supports partial processing of data records in the DBCS staging table.
2. If invocation of LogFire REST- Processor service fails, an email notification is sent and Interface status is updated to "Error" in CLIENT\_OM\_ORDERS\_TO\_LGF\_STG.
3. Mentioned below are a few sample Error Code/Notification and messages encountered and the recommendations to resolve them

|  |  |  |  |
| --- | --- | --- | --- |
| Notification | ERROR MESSAGE | CAUSE | RECOMMENDATIONS |
| No Data to be processed | There are no data to be processed for the interface. | There are no data in ERP Cloud for processing or DBCS staging table does not have data or the data records do not have the Interface status column set to ‘New’. | Create a Valid data or correct the Interface status column by setting it to ‘New’ for records to be picked up by the interface. |
| Unexpected Error | Some unexpected error happened while processing a batch for the interface. | This notification can be sent out if any of the process fails abruptly which can be either due to the ICS/ DBCS services being down/unresponsive or can also be due to incorrect package being called or any unhandled exception etc. | Check ICS Dashboard for details. |

|  |  |  |  |
| --- | --- | --- | --- |
| ERROR CODE | ERROR MESSAGE | CAUSE | RECOMMENDATIONS |
| Data Validation Error | Data Validation Error | One of the required fields for the entity is missing. | Pass all the required fields. |
| Invalid Parcel Ship Via code | Invalid Parcel Ship Via code | Ship Via Code is invalid | Ship Via Code is invalid |

The possible Oracle standard error list is exhaustive; hence we have listed a few errors out of the many errors which might be possible.

## Rollback & Recovery

NA

## Purging

NA

## Notification Requirements

NA

| Sr. No. | Error Scenario | Description | Action |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

## Security Requirement

Below are the security and control requirements for this interface:

|  |  |  |
| --- | --- | --- |
| **Security/Control ID** | **Description** | **Comments** |
|  |  |  |
|  |  |  |
|  |  |  |

## File and Directory Locations

NA

|  |
| --- |
| **ENVIRONMENT: Development** |

|  |  |
| --- | --- |
| SFTP Link |  |
| Folder Location for Output Data File |  |
| File Name for Output Data File |  |
| Output Data File Format | TXT  CSV  XML  Other |
| Folder Location for Error File (if any) |  |
| File Name for Error File (if any) |  |
| Error File Format (if any) | TXT  CSV  XML  Other |

## Miscellaneous

NA

## Components List

NA

## Data Selection Criteria

NA

## SQLs for Data Extraction/Selection/Filtration

|  |  |
| --- | --- |
| SQL# | Query |
| SQL StatementsSQL1 | SELECT dha.header\_id,  dla.line\_id,  NULL hdr\_grp\_nbr,  (SELECT ORGANIZATION\_CODE  FROM INV\_ORG\_PARAMETERS  WHERE ORGANIZATION\_ID=wdd.ORGANIZATION\_ID  ) facility\_code,  'CLIENT' company\_code,  del.delivery\_name,  CASE  WHEN hzl.internal\_location\_code='FLD'  THEN 'Client Direct Tech Order'  ELSE NVL(req.attribute1,'Client Transfer Order')  END order\_type,  TO\_CHAR(dha.ordered\_date,'YYYY-MM-DD') ordered\_date,  NULL exp\_date,  TO\_CHAR(dla.need\_by\_Date,'YYYY-MM-DD') request\_ship\_date,  CASE  WHEN hzl.internal\_location\_code='FLD'  THEN NULL  ELSE hzl.internal\_location\_code  END dest\_facility\_code,  hzp.party\_name cust\_name,  hzp.address1  || ','  || hzp.address2  || ','  || hzp.address3  || ','  || hzp.address4  || ','  || hzp.city  || ','  || hzp.postal\_code  || ','  || hzp.state  || ','  || hzp.province  || ','  || hzp.country AS cust\_address,  NULL cust\_addr2,  NULL cust\_addr3,  dha.header\_number ref\_nmbr,  'CREATE' action\_code,  NULL route\_nbr,  hzp.city cust\_city,  hzp.state cust\_state,  hzp.postal\_code cust\_zip,  hzp.country ,  hzp.PRIMARY\_PHONE\_NUMBER CUST\_PHONE ,  hzp.EMAIL\_ADDRESS ,  NULL cust\_contact,  NULL cust\_number,  CASE  WHEN hzl.internal\_location\_code='FLD'  THEN NULL  ELSE hzl.internal\_location\_code  END shipto\_facility\_code,  CASE  WHEN hzl.internal\_location\_code='FLD'  THEN  (SELECT DESCRIPTION  FROM hr\_locations\_all  WHERE INTERNAL\_LOCATION\_CODE=req.DESTINATION\_SUBINVENTORY  )  ELSE hzl.LOCATION\_NAME  END SHIP\_TO\_NAME ,  CASE  WHEN hzl.internal\_location\_code='FLD'  THEN  (SELECT ADDRESS\_LINE\_1  FROM hr\_locations\_all  WHERE INTERNAL\_LOCATION\_CODE=req.DESTINATION\_SUBINVENTORY  )  ELSE hzp.address1  END shiptoaddress,  CASE  WHEN hzl.internal\_location\_code='FLD'  THEN  (SELECT TOWN\_OR\_CITY  FROM hr\_locations\_all  WHERE INTERNAL\_LOCATION\_CODE=req.DESTINATION\_SUBINVENTORY  )  ELSE hzp.city  END shiptocity ,  HZP.PRIMARY\_PHONE\_NUMBER SHIPTOPHONENUMBER ,  hzp.email\_address email,  NULL dest\_company\_code,  DECODE(SHIPMENT\_PRIORITY\_CODE,'HIGH','1','MEDIUM','5','LOW','10','5') priority,  'GROUND' ship\_via\_code,  NULL carrier\_account\_nbr,  NULL payment\_method,  NULL host\_allocation\_nbr,  NULL customer\_po\_nbr,  dha.header\_number salesordernumber,  NULL sales\_channel,  NULL dest\_dept\_nbr,  TO\_CHAR(dla.SCHEDULED\_SHIP\_DATE,'YYYY-MM-DD') strt\_ship\_date,  TO\_CHAR(dla.proposed\_need\_by\_date,'YYYY-MM-DD') stop\_ship\_date,  NVL( wdd.shipping\_instructions, wdd.packing\_instructions ) spl\_instr,  NULL vas\_group\_code,  wdd.currency\_code currency\_code,  NULL stage\_location\_barcode,  REQ.attribute\_number3 cust\_field\_1,  req.ATTRIBUTE2 cust\_field\_2,  CASE  WHEN hzl.internal\_location\_code='FLD'  THEN req.DESTINATION\_SUBINVENTORY  ELSE NULL  END cust\_field\_3,  CASE  WHEN hzl.internal\_location\_code='FLD'  THEN  (SELECT POSTAL\_CODE  FROM hr\_locations\_all  WHERE INTERNAL\_LOCATION\_CODE=req.DESTINATION\_SUBINVENTORY  )  ELSE NULL  END cust\_field\_4,  CASE  WHEN hzl.internal\_location\_code='FLD'  THEN  (SELECT REGION\_3  FROM hr\_locations\_all  WHERE INTERNAL\_LOCATION\_CODE=req.DESTINATION\_SUBINVENTORY  )  ELSE NULL  END cust\_field\_5,  CASE  WHEN hzl.internal\_location\_code='FLD'  THEN  (SELECT COUNTRY  FROM hr\_locations\_all  WHERE INTERNAL\_LOCATION\_CODE=req.DESTINATION\_SUBINVENTORY  )  ELSE NULL  END ob\_lpn\_type,  NULL gift\_msg,  TO\_CHAR(wdd.date\_scheduled,'YYYY-MM-DD') scheduled\_shhip\_date,  NULL customer\_po\_type,  NULL customer\_vendor\_code,  NULL cust\_date\_1,  NULL cust\_date\_2,  NULL cust\_date\_3,  NULL cust\_date\_4,  NULL cust\_date\_5,  NULL cust\_number\_1,  NULL cust\_number\_2,  NULL cust\_number\_3,  NULL cust\_number\_4,  NULL cust\_number\_5,  NULL cust\_decimal\_1,  NULL cust\_decimal\_2,  NULL cust\_decimal\_3,  NULL cust\_decimal\_4,  NULL cust\_decimal\_5,  NULL cust\_short\_text\_1,  NULL cust\_short\_text\_2,  NULL cust\_short\_text\_3,  NULL cust\_short\_text\_4,  NULL cust\_short\_text\_5,  NULL cust\_short\_text\_6,  NULL cust\_short\_text\_7,  NULL cust\_short\_text\_8,  NULL cust\_short\_text\_9,  NULL cust\_short\_text\_10,  NULL cust\_short\_text\_11,  NULL cust\_short\_text\_12,  NULL cust\_long\_text\_1,  NULL cust\_long\_text\_2,  NULL cust\_long\_text\_3,  NULL order\_nbr\_to\_replace,  dla.line\_number seq\_nbr,  ITM.ITEM\_NUMBER item\_alternate\_code,  ITM.ITEM\_NUMBER item\_part\_a,  NULL item\_part\_b,  NULL item\_part\_c,  NULL item\_part\_d,  NULL item\_part\_e,  NULL item\_part\_f,  NULL pre\_pack\_code,  '1' pre\_pack\_ratio,  NULL pre\_pack\_ratio\_seq,  '1' pre\_pack\_total\_units,  wdd.requested\_quantity ord\_qty,  NULL req\_cntr\_nbr,  NULL batch\_nbr,  NULL invn\_attr\_a,  NULL invn\_attr\_b,  NULL invn\_attr\_c,  wdd.unit\_price cost,  wdd.selling\_price sale\_price,  NULL po\_nbr,  wdd.sales\_order\_shipment\_number shipment\_nbr,  NULL dest\_facility\_attr\_a,  NULL dest\_facility\_attr\_b,  NULL dest\_facility\_attr\_c\_dtl,  NULL ref\_nbr\_1\_dtl,  NULL host\_ob\_lpn\_nbr\_dtl,  NULL spl\_instr\_dtl,  NULL vas\_activity\_code\_dtl,  NULL cust\_field\_1\_dtl,  NULL cust\_field\_2\_dtl,  NULL cust\_field\_3\_dtl,  NULL cust\_field\_4\_dtl,  NULL cust\_field\_5\_dtl,  NULL voucher\_nbr\_dtl,  NULL voucher\_amount\_dtl,  NULL voucher\_exp\_date\_dtl,  NULL req\_pallet\_nbr\_dtl,  NULL lock\_code\_dtl,  NULL serial\_nbr\_dtl,  NULL item\_barcode\_dtl,  NULL uom\_dtl,  NULL cust\_date\_1\_dtl,  NULL cust\_date\_2\_dtl,  NULL cust\_date\_3\_dtl,  NULL cust\_date\_4\_dtl,  NULL cust\_date\_5\_dtl,  NULL cust\_decimal\_1\_dtl,  NULL cust\_decimal\_2\_dtl,  NULL cust\_decimal\_3\_dtl,  NULL cust\_decimal\_4\_dtl,  NULL cust\_decimal\_5\_dtl,  NULL cust\_short\_text\_1\_dtl,  NULL cust\_short\_text\_2\_dtl,  NULL cust\_short\_text\_3\_dtl,  NULL cust\_short\_text\_4\_dtl,  NULL cust\_short\_text\_5\_dtl,  NULL cust\_short\_text\_6\_dtl,  NULL cust\_short\_text\_7\_dtl,  NULL cust\_short\_text\_8\_dtl,  NULL cust\_short\_text\_9\_dtl,  NULL cust\_short\_text\_10\_dtl,  NULL cust\_short\_text\_11\_dtl,  NULL cust\_short\_text\_12\_dtl,  NULL cust\_long\_text\_1\_dtl,  NULL cust\_long\_text\_2\_dtl,  NULL cust\_long\_text\_3\_dtl,  NULL invn\_attr\_d\_dtl,  NULL invn\_attr\_e\_dtl,  NULL invn\_attr\_f\_dtl,  NULL invn\_attr\_g\_dtl,  dla.source\_line\_id ship\_request\_line\_dtl  FROM wsh\_delivery\_details wdd,  inv\_transfer\_order\_headers dha,  inv\_transfer\_order\_lines dla,  hr\_locations\_all hzl,  HZ\_PARTIES hzp,  wsh\_new\_deliveries del,  WSH\_DELIVERY\_ASSIGNMENTS asg,  EGP\_SYSTEM\_ITEMS\_B ITM ,  (SELECT rha.attribute1,  rha.attribute2,  rha.attribute\_number3,  rla.to\_header\_id,  rla.to\_line\_id,  rla.DESTINATION\_SUBINVENTORY  FROM POR\_REQUISITION\_HEADERS\_ALL rha,  POR\_REQUISITION\_LINES\_ALL rla  WHERE rha.REQUISITION\_HEADER\_ID=rla.REQUISITION\_HEADER\_ID  AND rha.line\_group ='TRANSFER\_ORDER'  ) req  WHERE dha.header\_id =dla.header\_id  AND wdd.sales\_order\_number =dha.header\_number  AND dla.line\_number = wdd.sales\_order\_line\_number  AND wdd.ship\_to\_location\_id = hzl.location\_id  AND hzp.party\_id =wdd.sold\_to\_party\_id  AND wdd.delivery\_detail\_id =asg.delivery\_detail\_id  AND ITM.INVENTORY\_ITEM\_ID =wdd.INVENTORY\_ITEM\_ID  AND ITM.ORGANIZATION\_ID =wdd.ORGANIZATION\_ID  AND asg.delivery\_id =del.delivery\_id  AND dha.header\_id =req.to\_header\_id(+)  AND dla.line\_id =req.to\_line\_id(+)  AND wdd.SOURCE\_LINE\_TYPE ='TRANSFER\_ORDER'  AND released\_status ='S'  AND ( (TO\_DATE(TO\_CHAR(del.last\_update\_date,'YYYY-MM-DD HH24:MI:SS'), 'YYYY-MM-DD HH24:MI:SS') >= TO\_DATE(SUBSTR('2018-03-27T09:00:18.026',1,10)  || ' '  || SUBSTR('2018-03-27T09:00:18.026',12,8) , 'YYYY-MM-DD HH24:MI:SS'))  OR (TO\_DATE(TO\_CHAR(wdd.last\_update\_date,'YYYY-MM-DD HH24:MI:SS'), 'YYYY-MM-DD HH24:MI:SS') >= TO\_DATE(SUBSTR('2018-03-27T09:00:18.026',1,10)  || ' '  || SUBSTR('2018-03-27T09:00:18.026',12,8) , 'YYYY-MM-DD HH24:MI:SS')) )  UNION ALL  SELECT A.DELIVERY\_ID HEADER\_ID ,  A.DELIVERY\_ID LINE\_ID ,  NULL hdr\_grp\_nbr,  (SELECT ORGANIZATION\_CODE  FROM INV\_ORG\_PARAMETERS  WHERE ORGANIZATION\_ID=A.ORGANIZATION\_ID  ) facility\_code,  'CLIENT' company\_code,  A.delivery\_name ORDER\_NUMBER,  'TRANSFER ORDER' order\_type,  TO\_CHAR(SYSDATE,'YYYY-MM-DD') ordered\_date,  NULL exp\_date,  NULL request\_ship\_date,  NULL dest\_facility\_code,  NULL cust\_name,  NULL cust\_address,  NULL cust\_addr2,  NULL cust\_addr3,  NULL ref\_nmbr,  'DELETE' action\_code,  NULL route\_nbr,  NULL cust\_city,  NULL cust\_state,  NULL cust\_zip,  NULL country ,  NULL CUST\_PHONE ,  NULL EMAIL\_ADDRESS ,  NULL cust\_contact,  NULL cust\_number,  NULL shipto\_facility\_code,  NULL SHIP\_TO\_NAME ,  NULL shiptoaddress,  NULL shiptocity ,  NULL SHIPTOPHONENUMBER ,  NULL email,  NULL dest\_company\_code,  NULL priority,  NULL ship\_via\_code,  NULL carrier\_account\_nbr,  NULL payment\_method,  NULL host\_allocation\_nbr,  NULL customer\_po\_nbr,  NULL salesordernumber,  NULL sales\_channel,  NULL dest\_dept\_nbr,  NULL strt\_ship\_date,  NULL stop\_ship\_date,  NULL spl\_instr,  NULL vas\_group\_code,  NULL currency\_code,  NULL stage\_location\_barcode,  NULL cust\_field\_1,  NULL cust\_field\_2,  NULL cust\_field\_3,  NULL cust\_field\_4,  NULL cust\_field\_5,  NULL ob\_lpn\_type,  NULL gift\_msg,  NULL scheduled\_shhip\_date,  NULL customer\_po\_type,  NULL customer\_vendor\_code,  NULL cust\_date\_1,  NULL cust\_date\_2,  NULL cust\_date\_3,  NULL cust\_date\_4,  NULL cust\_date\_5,  NULL cust\_number\_1,  NULL cust\_number\_2,  NULL cust\_number\_3,  NULL cust\_number\_4,  NULL cust\_number\_5,  NULL cust\_decimal\_1,  NULL cust\_decimal\_2,  NULL cust\_decimal\_3,  NULL cust\_decimal\_4,  NULL cust\_decimal\_5,  NULL cust\_short\_text\_1,  NULL cust\_short\_text\_2,  NULL cust\_short\_text\_3,  NULL cust\_short\_text\_4,  NULL cust\_short\_text\_5,  NULL cust\_short\_text\_6,  NULL cust\_short\_text\_7,  NULL cust\_short\_text\_8,  NULL cust\_short\_text\_9,  NULL cust\_short\_text\_10,  NULL cust\_short\_text\_11,  NULL cust\_short\_text\_12,  NULL cust\_long\_text\_1,  NULL cust\_long\_text\_2,  NULL cust\_long\_text\_3,  NULL order\_nbr\_to\_replace,  1 seq\_nbr,  NULL item\_alternate\_code,  NULL item\_part\_a,  NULL item\_part\_b,  NULL item\_part\_c,  NULL item\_part\_d,  NULL item\_part\_e,  NULL item\_part\_f,  NULL pre\_pack\_code,  NULL pre\_pack\_ratio,  NULL pre\_pack\_ratio\_seq,  NULL pre\_pack\_total\_units,  NULL ord\_qty,  NULL req\_cntr\_nbr,  NULL batch\_nbr,  NULL invn\_attr\_a,  NULL invn\_attr\_b,  NULL invn\_attr\_c,  NULL cost,  NULL sale\_price,  NULL po\_nbr,  NULL shipment\_nbr,  NULL dest\_facility\_attr\_a,  NULL dest\_facility\_attr\_b,  NULL dest\_facility\_attr\_c\_dtl,  NULL ref\_nbr\_1\_dtl,  NULL host\_ob\_lpn\_nbr\_dtl,  NULL spl\_instr\_dtl,  NULL vas\_activity\_code\_dtl,  NULL cust\_field\_1\_dtl,  NULL cust\_field\_2\_dtl,  NULL cust\_field\_3\_dtl,  NULL cust\_field\_4\_dtl,  NULL cust\_field\_5\_dtl,  NULL voucher\_nbr\_dtl,  NULL voucher\_amount\_dtl,  NULL voucher\_exp\_date\_dtl,  NULL req\_pallet\_nbr\_dtl,  NULL lock\_code\_dtl,  NULL serial\_nbr\_dtl,  NULL item\_barcode\_dtl,  NULL uom\_dtl,  NULL cust\_date\_1\_dtl,  NULL cust\_date\_2\_dtl,  NULL cust\_date\_3\_dtl,  NULL cust\_date\_4\_dtl,  NULL cust\_date\_5\_dtl,  NULL cust\_decimal\_1\_dtl,  NULL cust\_decimal\_2\_dtl,  NULL cust\_decimal\_3\_dtl,  NULL cust\_decimal\_4\_dtl,  NULL cust\_decimal\_5\_dtl,  NULL cust\_short\_text\_1\_dtl,  NULL cust\_short\_text\_2\_dtl,  NULL cust\_short\_text\_3\_dtl,  NULL cust\_short\_text\_4\_dtl,  NULL cust\_short\_text\_5\_dtl,  NULL cust\_short\_text\_6\_dtl,  NULL cust\_short\_text\_7\_dtl,  NULL cust\_short\_text\_8\_dtl,  NULL cust\_short\_text\_9\_dtl,  NULL cust\_short\_text\_10\_dtl,  NULL cust\_short\_text\_11\_dtl,  NULL cust\_short\_text\_12\_dtl,  NULL cust\_long\_text\_1\_dtl,  NULL cust\_long\_text\_2\_dtl,  NULL cust\_long\_text\_3\_dtl,  NULL invn\_attr\_d\_dtl,  NULL invn\_attr\_e\_dtl,  NULL invn\_attr\_f\_dtl,  NULL invn\_attr\_g\_dtl,  NULL ship\_request\_line\_dtl  FROM WSH\_NEW\_dELIVERIES A  WHERE A.SOURCE\_LINE\_TYPE='TRANSFER\_ORDER'  AND NOT EXISTS  (SELECT 'X'  FROM WSH\_DELIVERY\_ASSIGNMENTS B  WHERE B.DELIVERY\_ID=A.DELIVERY\_ID  )  AND ( (TO\_DATE(TO\_CHAR(A.last\_update\_date,'YYYY-MM-DD HH24:MI:SS'), 'YYYY-MM-DD HH24:MI:SS') >= TO\_DATE(SUBSTR('2018-03-27T09:00:18.026',1,10)  || ' '  || SUBSTR('2018-03-27T09:00:18.026',12,8) , 'YYYY-MM-DD HH24:MI:SS'))) |

## Data Transmission Mechanism (Required for Interfaces)

NA

## File Layout / Report Output

NA

Technical Unit Test

| Sr. No | Conditions to be tested | Expected Result | Executed? |
| --- | --- | --- | --- |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |

# Application Setup and Technical Requirements

## Programs/Report and Parameters

NA

## ESS Program, Scheduling and Executables

NA

## Security and Controls Requirements

NA

## Archiving & Purging

NA

# Interface Reporting Requirements

## Data Validation & Error Reporting

NA

### Data Processing / Derivation / Validation / Transformation Rules

NA

### Error handling and Retry Mechanism

NA

## Data Reconciliation

NA

# Open and Closed Issues

## Open Issues

| Issue Id | Description | Opened By | Responsible | Due Date |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## Closed Issues

| Issue Id | Description | Resolution | Signoff | Closed Date |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |

# Appendix

NA