

AlMailem Classic WMS Implementation IT BBP Document

|  |  |  |  |
| --- | --- | --- | --- |
| **AlMailem – Classic WMS Implementation IT BBP Document** | | | |
| Project Manager | Rajasekar | Document Version | 1.4 |
| Technical Architect | Murugavel | Document Date | 26.06.2023 |
| Integration Consultant | Senthil | Prepared on | 26.06.2023 |
| Prepared by | Rajasekar | Reviewed by | Domnic Regies |

**Distribution Information**

|  |  |  |  |
| --- | --- | --- | --- |
| **From: Tekclover Private Limited** | | | |
| **To : AlMailem** | | Acceptance/Sign off | Sign-off date |
| Project Co-Ordinator - IT  (AlMailem) | Mr. Wajahath |  |  |
| Asst. IT Manager  (AlMailem) | Mr. Ahmed Mohd |  |  |
| IT Manager  (AlMailem) | Mr.S.S.Vadivel |  |  |
| Project Manager  (TekClover) | Mr. Rajasekar |  |  |

**Version Information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ver No** | **Ver Date** | **Revised by** | **Description/File Name** |
| 1.0 | 22.05.2023 | Rajasekar | API Integration Document |
| 1.1 | 23.05.2023 | Rajasekar | Distribution amendment, Test approach inclusion |
| 1.2 | 03.06.2023 | Rajasekar | Added fulfilment method attribute in outbound APIs |
| 1.3 | 12.06.2023 | Rajasekar | New API added for Damage items stock adjustments |
| 1.4 | 26.06.2023 | Rajasekar | Changes included as per AMS team inputs |

Contents

[**1.** **Introduction** 4](#_Toc137206426)

[**1.1** **Functions** 4](#_Toc137206427)

[**2.** **Integration Approach** 5](#_Toc137206428)

[**3.** **Test Approach** 6](#_Toc137206429)

[**4.** **Supplier Invoice (New)** 7](#_Toc137206430)

[**5.** **Supplier Invoice (Update)** 9](#_Toc137206431)

[**6.** **Customer Return Order** 11](#_Toc137206432)

[**7.** **Transfer Order In from a Non-WMS branch to WMS branch** 13](#_Toc137206433)

[**8.** **Transfer Order IN from a WMS branch to WMS branch** 15](#_Toc137206434)

[**9.** **Sales Order – Pick List Create** 17](#_Toc137206435)

[**10.** **Sales Order – Pick List Update** 19](#_Toc137206436)

[**11.** **Sales Order – Pick List /Item - Delete** 21](#_Toc137206437)

[**12.** **Transfer order Out from WMS branch to Non-WMS branch** 23](#_Toc137206438)

[**13.** **Supplier Return Order** 25](#_Toc137206439)

[**14.** **Transfer Out Order from WMS to WMS branch** 27](#_Toc137206440)

[**15.** **Sales invoice** 29](#_Toc137206441)

[**16.** **Item Master - Create** 31](#_Toc137206442)

[**17.** **Item Master - Update** 33](#_Toc137206443)

[**18.** **Customer Master - Create** 35](#_Toc137206444)

[**19.** **Customer Master - Update** 37](#_Toc137206445)

[**20.** **Stock Count - Perpetual** 39](#_Toc137206446)

[**21.** **Stock Count - Periodic** 41](#_Toc137206447)

[**22.** **Book out- Parts from Damage locations** 43](#_Toc137206448)

# **Introduction**

This document covers the integration touch points, approach, API structure for each process.

This document is a subset of Operations BBP document. Please refer the operations BBP for all End to End process (project scope, business process flows, process key discussion points)

We need integration document from AMS team with integration touch points and End point details.

## **Functions**

Classic WMS contains the below endpoints to integrate with AMS for both Amghara and Auto Lab Warehouse process

1. Supplier Invoice (New) - Warehouse Inbound
2. Supplier Invoice (Update/Cancel) - Warehouse Inbound
3. Customer Return order – Warehouse Inbound
4. Stock transfer order - IN from WMS branch to WMS branch – Warehouse Inbound
5. Stock transfer order – IN from Non-WMS branch to WMS branch - Warehouse Inbound
6. Sales order (Pick List create) – Warehouse Outbound
7. Sales order (Pick list update) – Warehouse Outbound
8. Sales Order (Pick list delete)- Warehouse Outbound
9. Supplier Returns – Warehouse Outbound
10. Stock transfer order – OUT from WMS branch to WMS branch – Warehouse Outbound
11. Stock transfer order – OUT from WMS branch to Non-WMS branch - Warehouse Outbound
12. Sales Invoice – Warehouse Outbound
13. Items Master extending to Branches – Masters
14. Item Master update – Masters
15. Customer creation – Masters
16. Customer Updation – Masters
17. Stock count – Perpetual
18. Stock Count – Periodic
19. Stock adjustments- Parts from damage locations

# **Integration Approach**

**STEP 1: GENERATE OAUTH TOKEN**

Purpose: This API helps to generate the OAuth Access token using which the subsequent API requests can be processed.

Endpoint: [POST] /auth-token

Request URL: (Will be shared after development)

Request JSON:

{

"clientId": "<client-id>",

"clientSecretKey": "<secret-key>",

"grantType": "password",

"oauthPassword": "<oauth-password>",

"oauthUserName": "<oauth-uname>",

"apiName": "<api-name>"

}

Sample Response JSON:

{

"access\_token": "eyJhbGciOiJIUzI1NiJ9.eyJleHAiOjE2NDYzMzIzMzgsInVzZXJfbmFtZSI6IndtcyIsImF1dGhvcml0aWVzIjpbIlJPTEVfU1lTVEVNQURNSU4iXSwianRpIjoiLVB3Y0thSmpWeGpzVGFNZmdiSjBXVEhMbndRIiwiY2xpZW50X2lkIjoicGl4ZWx0cmljZSIsInNjb3BlIjpbInJlYWQiLCJ3cml0ZSJdfQ.keO452MM70DDQeVqBRveqq4YQY\_oBgEy0GWDcgO73Kg",

"token\_type": "bearer",

"refresh\_token": "eyJhbGciOiJIUzI1NiJ9.eyJ1c2VyX25hbWUiOiJ3bXMiLCJzY29wZSI6WyJyZWFkIiwid3JpdGUiXSwiYXRpIjoiLVB3Y0thSmpWeGpzVGFNZmdiSjBXVEhMbndRIiwiZXhwIjoxNjQ2MzMyMzM4LCJhdXRob3JpdGllcyI6WyJST0xFX1NZU1RFTUFETUlOIl0sImp0aSI6Imp2SUd5Y21BeTJYdWVMWUFaZFhRdVFzVmlTTSIsImNsaWVudF9pZCI6InBpeGVsdHJpY2UifQ.1hRjiZ766XYTARWIaL0qtnsx5lJHzjqCNEqUMPFLUwE",

"expires\_in": "19999",

"scope": "read write",

"jti": "-PwcKaJjVxjsTaMfgbJ0WTHLnwQ"

}

Pass this Access\_token while calling the ClassicWMS APIs like below.

**Step 2: API Call Request**

* Generate the Auth Token as per above the steps and pass the token in the Request Header.

**API Response codes:**

1. 200- Success
2. 400 – Bad request
3. 401 – Unauthorized token
4. 500 – Internal server error
5. 502 – Bad Gateway
6. 504 – Gateway timeout

**List of APIs**

Will be shared after the development.

# **Test Approach**

* Testing will be done after the API developments completed in both AMS and Classic WMS systems.
* Integration testing will be done along with end to end process testing for all Integration touch points during UAT.
* Performance testing for the below scenarios
* Multiple orders creation in AMS for a process (Supplier invoice, Picklist for same/ different customers, Transfer orders from different branch and pushing to Classic WMS.
* Orders (Supplier invoice, Picklist, transfer orders) which contains more items (at least 100) to be pushed from AMS into Classic WMS
* Testing should consider below scenarios as well
* Multiple scenarios in Supplier invoice update, Picklist updation/deletion process
* Item Master create/Update scenarios (Superseded/alternate parts)
* Stock Count testing for both perpetual and periodic
* Stock transfer process testing for WMS branch to WMS branch transfer, WMS branch to Non-WMS branch transfer and Non-WMS branch to WMS branch transfer
* End to End Delivery management process with integration
* Various scenarios of Barcode generation/scanning at stock receipts

# **Supplier Invoice (New)**

|  |  |
| --- | --- |
| **Endpoint Name:** | /warehouse/inbound/asn/v2 |
| **Method** | POST |

**Request Body**

**{**{

"asnHeader": {

"asnNumber": "100016",

“branchCode” : “ 115”

"companyCode": "21"

},

"asnLine": [

{

"containerNumber": "CNT0004",

"expectedDate": "06-29-2023",

"expectedQty": 500,

"lineReference": 1,

"manufacturerName": "ACD",

"sku": "15-80590",

"skuDescription": "MOTOR ASM-ENG COOL FAN",

"supplierCode": "11431",

"supplierPartNumber": "15-80590",

"uom": "EACH",

“packQty”: “10”,

“origin”: “USA”,

“manufacturerCode”: “23”

“supplierName”: “AIRTEX PRODUCTS”,

“brand”: “Hyundai”

},

{

"containerNumber": "CNT0004",

"expectedDate": "06-29-2023",

"expectedQty": 500,

"lineReference": 1,

"manufacturerName": "ACD",

"sku": "15-80591",

"skuDescription": " ENGINE COOL FAN",

"supplierCode": "11431",

"supplierPartNumber": "15-80591",

"uom": "EACH",

“packQty”: “10”,

“origin”: “USA”,

“manufacturerCode”: “23”

“supplierName”: “AIRTEX PRODUCTS”,

“brand”: “Hyundai”

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **Type** | **JSON Fields** | **Mapping field from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | branchCode | Branch code | NVARCHAR(20) | Mandatory |
| 2 | HEADER | companyCode | Company Code | NVARCHAR(20) | Mandatory |
| 3 | HEADER | asnNumber | Supplier Invoice No | NVARCHAR (50) | Mandatory |
| 4 | LINE | lineReference | Line No for each item | INTEGER | Mandatory – Unique value |
| 5 | LINE | sku | Item code | NVARCHAR(50) | Mandatory |
| 6 | LINE | skuDescription | Item Description | NVARCHAR(500) | Mandatory |
| 7 | LINE | containerNumber | Container No | NVARCHAR(50) | Optional |
| 8 | LINE | supplierCode | Supplier code | NVARCHAR(50) | Mandatory |
| 9 | LINE | supplierPartNumber | Supplier Part No | NVARCHAR(50) | Optional |
| 10 | LINE | manufacturerName | Manufacturer short Name | NVARCHAR(200) | Mandatory |
| 11 | LINE | manufacturerCode | Manufacturer code | NVARCHAR(200) | Mandatory |
| 12 | LINE | expected Date | Invoice date | DATE (MM/DD/YYYY) | Mandatory |
| 13 | LINE | expectedQty | Invoice Qty | DECIMAL(30,4) | Mandatory |
| 14 | LINE | uom | Unit of Measure | NVARCHAR(50) | Mandatory |
| 15 | LINE | packQty | No of Packs | INTEGER | Optional |
| 16 | LINE | origin | Country of Origin | NVARCHAR(250) | optional |
| 17 | LINE | supplierName | Supplier Name | NVARCHAR(250) | Optional |
| 18 | LINE | Brand | Manufacturer full name | NVARCHAR(250) | Optional |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Supplier Invoice (Update)**

|  |  |
| --- | --- |
| **Endpoint Name:** | /warehouse/inbound/asn |
| **Method** | PATCH |

**Request Body**

**{**{

"asnHeader": {

"asnNumber": "100016",

“branchCode” : “ 115”

"companyCode": "21"

},

"asnLine": [

{

"containerNumber": "CNT0004",

"expectedDate": "06-29-2023",

"expectedQty": 300,

"lineReference": 1,

"manufacturerName": "ACD",

"sku": " 15-80691",

"skuDescription": " BLADE ASM-FAN",

"supplierCode": "11431",

"supplierPartNumber": "15-80691",

"uom": "EACH",

“packQty”: “10”,

“origin”: “USA”,

“manufacturerCode”: “23”

“supplierName”: “AIRTEX PRODUCTS”,

“brand”: “Hyundai”

},

{

"containerNumber": "CNT0004",

"expectedDate": "06-29-2023",

"expectedQty": 400,

"lineReference": 1,

"manufacturerName": "ACD",

"sku": "15-80591",

"skuDescription": " ENGINE COOL FAN",

"supplierCode": "11431",

"supplierPartNumber": "15-80591",

"uom": "EACH",

“packQty”: “10”,

“origin”: “USA”,

“manufacturerCode”: “23”

“supplierName”: “AIRTEX PRODUCTS”,

“brand”: “Hyundai”

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **Type** | **JSON Fields** | **Mapping field from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | branchCode | Branch code | NVARCHAR(20) | Mandatory |
| 2 | HEADER | companyCode | Company Code | NVARCHAR(20) | Mandatory |
| 3 | HEADER | asnNumber | Supplier Invoice No | NVARCHAR (50) | Mandatory |
| 4 | LINE | lineReference | Line No for each item | INTEGER | Mandatory – Unique value |
| 5 | LINE | sku | Item code | NVARCHAR(50) | Mandatory |
| 6 | LINE | skuDescription | Item Description | NVARCHAR(500) | Mandatory |
| 7 | LINE | containerNumber | Container No | NVARCHAR(50) | Optional |
| 8 | LINE | supplierCode | Supplier code | NVARCHAR(50) | Mandatory |
| 9 | LINE | supplierPartNumber | Supplier Part No | NVARCHAR(50) | Optional |
| 10 | LINE | manufacturerName | Manufacturer Name | NVARCHAR(200) | Mandatory |
| 11 | LINE | manufacturerCode | Manufacturer code | NVARCHAR(200) | Mandatory |
| 12 | LINE | expected Date | Invoice date | DATE (MM/DD/YYYY) | Mandatory |
| 13 | LINE | expected Qty | Invoice Qty | DECIMAL(30,4) | Mandatory |
| 14 | LINE | uom | Unit of Measure | NVARCHAR(50) | Mandatory |
| 15 | LINE | packQty | No of Packs | INTEGER | Optional |
| 16 | LINE | origin | Country of Origin | NVARCHAR(250) | Optional |
| 17 | LINE | supplierName | Supplier Name | NVARCHAR(250) | Optional |
| 18 | LINE | brand | Manufacturer full name | NVARCHAR(250) | Optional |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

Note:

1. In Supplier invoice update api, update is allowed for only below fields/condition

* Adding new part (adding a line record in the existing supplier invoice)
* Changing the invoice qty

1. Deletion of part in the supplier invoice should not be allowed in AMS after pushing to WMS.
2. Deletion of supplier invoice in AMS process is not allowed

# **Customer Return Order**

|  |  |
| --- | --- |
| **Endpoint Name** | /warehouse/inbound/soReturn/v2 |
| **Method** | POST |

**Request Body**

{

"soReturnHeader": {

"returnOrderReference": "TO-00646",

“branchCode” : “ 115”

"companyCode": "21"

},

"soReturnLine": [

{

"expectedDate": "06-29-2023",

"expectedQty": 400,

"invoiceNumber": "1234",

“salesOrderReference”: “4545656”

"lineReference": 1,

"sku": "15-80691",

"skuDescription": "BLADE ASM-FAN",

"manufacturerName": "ACD",

"storeID": "232",

"supplierPartNumber": "15-80691",

"uom": "EA",

“packQty”: “10”,

“origin”: “USA”,

“manufacturerCode”: “23”,

“brand”: “Hyundai

},

{

"expectedDate": "06-29-2023",

"expectedQty": 400,

"invoiceNumber": "1234",

“salesOrderReference”: “4545656”

"lineReference": 2,

"sku": "15-80692",

"skuDescription": "ASM-FAN",

"manufacturerName": "ACD",

"storeID": "232",

"supplierPartNumber": "15-80692",

"uom": "EA",

“packQty”: “10”,

“origin”: “USA”,

“manufacturerCode”: “23”,

“brand”: “Hyundai

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping field from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | Company Code | NVARCHAR(20) | Mandatory |
| 2 | HEADER | transferOrderNumber | Return Order No | NVARCHAR(50) | Mandatory |
| 3 | HEADER | branchCode | Branch code of receiving Warehouse | NVARCHAR(20) | Mandatory |
| 4 | LINE | line Reference | Line No of each item | INTEGER | Mandatory – Unique value |
| 5 | LINE | Sku | Item code | NVARCHAR(50) | Mandatory |
| 6 | LINE | skuDescription | Item description | NVARCHAR(500) | Mandatory |
| 7 | LINE | invoiceNumber | Reference Invoice No | NVARCHAR(50) | Mandatory |
| 9 | LINE | storeID | Source branch code | NVARCHAR(50) | Optional |
| 10 | LINE | supplierPartNumber | Supplier Part No | NVARCHAR(50) | Optional |
| 11 | LINE | manufacturer Name | Manufacturer short Name | NVARCHAR(200) | Mandatory |
| 12 | LINE | expected Date | Return order Date | DATE(MM/DD/YYYY) | Mandatory |
| 13 | LINE | expectedQty | Return qty | DECIMAL(30,4) | Mandatory |
| 14 | LINE | uom | Unit of Measure | NVARCHAR(50) | Mandatory |
| 15 | LINE | packQty | No of Packs | INTEGER | Optional |
| 16 | LINE | origin | Country of Origin | NVARCHAR(250) | Optional |
| 17 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Mandatory |
| 18 | LINE | brand | Manufacturer full name | NVARCHAR(250) | Optional |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Transfer Order In from a Non-WMS branch to WMS branch**

|  |  |
| --- | --- |
| **Endpoint Name** | /warehouse/inbound/b2bTransferIn |
| **Method** | POST |

**{Request Body**

{

"transferOrderInHeader": {

"transferOrderNumber": "TO-00646",

“branchCode” : “ 115”

"companyCode": "21"

},

"transferOrderInLine": [

{

"lineReference": 1,

“orderType": "N",

"sku": "15-80691",

"skuDescription": "BLADE ASM-FAN",

"expectedDate": "06-29-2023",

"expectedQty": 400,

"manufacturerName": "ACD",

"storeID": "222",

"supplierPartNumber": "15-80691",

"uom": "EA",

“packQty”: “10”,

“origin”: “USA”,

“manufacturerCode”: “23”,

“supplierName”: “AIRTEX PRODUCTS”,

“brand”: “Hyundai

},

{

"lineReference": 1,

“orderType": "N",

"sku": "15-80691",

"skuDescription": "BLADE ASM-FAN",

"expectedDate": "06-29-2023",

"expectedQty": 400,

"manufacturerName": "ACD",

"storeID": "222",

"supplierPartNumber": "15-80691",

"uom": "EA",

“packQty”: “10”,

“origin”: “USA”,

“manufacturerCode”: “23”,

“supplierName”: “AIRTEX PRODUCTS”,

“brand”: “Hyundai

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping field from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | Company Code | NVARCHAR(20) | Mandatory |
| 2 | HEADER | transferOrderNumber | Transfer Order No from Source branch | NVARCHAR(50) | Mandatory |
| 3 | HEADER | branchCode | Branch code of receiving Warehouse | NVARCHAR(20) | Mandatory |
| 4 | LINE | line Reference | Line No of each item | INTEGER | Mandatory – Unique value |
| 5 | LINE | sku | Item code | NVARCHAR(50) | Mandatory |
| 6 | LINE | skuDescription | Item description | NVARCHAR(500) | Mandatory |
| 7 | LINE | storeID | Source Branch Code | NVARCHAR(50) | Mandatory |
| 8 | LINE | supplierPartNumber | Supplier Part No | NVARCHAR(50) | Optional |
| 9 | LINE | manufacturer Name | Manufacturer short Name | NVARCHAR(200) | Mandatory |
| 10 | LINE | expected Date | Return order Date | DATE(MM/DD/YYYY) | Mandatory |
| 11 | LINE | expectedQty | Return qty | DECIMAL(30,4) | Mandatory |
| 12 | LINE | uom | Unit of Measure | NVARCHAR(50) | Mandatory |
| 13 | LINE | packQty | No of Packs | INTEGER | Optional |
| 14 | LINE | origin | Country of Origin | NVARCHAR(250) | Mandatory |
| 15 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Mandatory |
| 16 | LINE | brand | Manufacturer full name | NVARCHAR(250) | Optional |
| 17 | LINE | supplierName | Supplier Name | NVARCHAR(250) | Optional |
| 18 | LINE | orderType | Fulfilment Method | NVARCHAR(5) | Normal orders – pass the value as N.  Emergency orders – pass the value as E |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Transfer Order IN from a WMS branch to WMS branch**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/inbound/interWarehouseTransferIn/v2 |
| **Method** | POST |

**Request Body**

{

"interWarehouseTransferInHeader": {

"toCompanyCode": "200",

"toBranchCode": "115"

"transferOrderNumber": "TO-100011"

},

"interWarehouseTransferInLine": [

{

"lineReference": 1,

“orderType": "N",

"sku": "15-80691",

"skuDescription": "BLADE ASM-FAN",

"expectedDate": "07-15-2023",

"expectedQty": 50,

"fromCompanyCode": "100",

"fromBranchCode": "232"

"manufacturerName": "ACD",

"supplierPartNumber": "15-80691",

“supplierName”: “AIRTEX PRODUCTS”,

"uom": "EA",

“packQty”: “10”,

“origin”: “USA”,

“manufacturerCode”: “23”,

“brand”: “Hyundai

},

{

"lineReference": 2,

“orderType": "N",

"sku": "15-80692",

"skuDescription": "ASM-FAN",

"expectedDate": "07-15-2023",

"expectedQty": 50,

" fromCompanyCode": "100",

"fromBranchCode": "232"

"manufacturerName": "ACD",

"supplierPartNumber": "15-80692",

“supplierName”: “AIRTEX PRODUCTS”,

"uom": "EA",

“packQty”: “10”,

“origin”: “USA”,

“manufacturerCode”: “23”,

“brand”: “Hyundai

}

]}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping Field from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | toCompanyCode | Receiving Company Code | NVARCHAR(20) | Mandatory |
| 2 | HEADER | transferOrderNumber | Transfer Order No from Source branch | NVARCHAR(50) | Mandatory – Unique Value |
| 3 | HEADER | toBranchCode | Branch code of receiving Warehouse | NVARCHAR(20) | Mandatory |
| 4 | LINE | lineReference | Line No of each item | INTEGER | Mandatory – Unique value |
| 5 | LINE | sku | Item code | NVARCHAR(50) | Mandatory |
| 6 | LINE | skuDescription | Item description | NVARCHAR(500) | Mandatory |
| 7 | LINE | fromCompanyCode | Source Company Code | NVARCHAR(50) | Mandatory |
| 8 | LINE | fromBranchCode | Source Branch Code | NVARCHAR(50) | Mandatory |
| 9 | LINE | Supplier Part Number | Supplier Part Number | NVARCHAR(50) | Optional |
| 10 | LINE | Manufacturer Name | Manufacturer short Name | NVARCHAR(200) | Mandatory |
| 11 | LINE | Expected Date | Transfer Order date | DATE(MM/DD/YYYY) | Mandatory |
| 12 | LINE | expectedQty | Transfer qty | DECIMAL(30,4) | Mandatory |
| 13 | LINE | UOM | Unit of Measure | NVARCHAR(50) | Mandatory |
| 14 | LINE | packQty | No of Packs | INTEGER | Optional |
| 15 | LINE | origin | Country of Origin | NVARCHAR(250) | Optional |
| 16 | LINE | supplierName | Supplier Name | NVARCHAR(250) | Optional |
| 17 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Mandatory |
| 18 | LINE | Brand | Manufacturer full name | NVARCHAR(250) | Optional |
| 19 | LINE | orderType | Fulfilment Method | NVARCHAR(5) | Normal orders – pass the value as N.  Emergency orders – pass the value as E |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Sales Order – Pick List Create**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/outbound/salesOrder/v2 |
| **Method** | POST |

**Request Body**

{

"salesOrderHeader": {

"requiredDeliveryDate": "08-22-2023",

"salesOrderNumber": "20002",

"pickListNumber”: "1267003”,

"storeID": "125",

"storeName": "Auto Lab JSP",

"companyCode": "21"

},

"salesOrderLine": [

{

"lineReference": 1,

“orderType": "N",

"orderedQty": 100,

"sku": "15-80691",

"skuDescription": "BLADE ASM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

},

{

"lineReference": 2,

“orderType": "N",

"orderedQty": 200,

"sku": "15-80692",

"skuDescription": "BLADE GSM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping Fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | Company Code | NVARCHAR(50) | Mandatory |
| 2 | HEADER | salesOrderNumber | Sales order No | NVARCHAR(50) | Mandatory |
| 3 | HEADER | pickListNumber | Pick List No | NVARCHAR(50) | Mandatory |
| 4 | HEADER | StoreID | Branch code | NVARCHAR(50) | Mandatory |
| 5 | HEADER | Store Name | Branch Name | NVARCHAR(500) | Mandatory |
| 6 | HEADER | required delivery date | Pick List date | DATE (MM/DD/YYYY) | Mandatory |
| 7 | LINE | Line Reference | Line no of each item code | INTEGER | Mandatory – Unique value |
| 8 | LINE | Sku | Item code | NVARCHAR(50) | Mandatory |
| 9 | LINE | SKU description | Item description | NVARCHAR(500) | Mandatory |
| 10 | LINE | Ordered Qty | Pick list qty | DECIMAL(30,4) | Mandatory |
| 11 | LINE | UOM | Unit of Measure | NVARCHAR(50) | Mandatory |
| 12 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Mandatory |
| 13 | LINE | Manufacturer Name | Manufacturer short Name | NVARCHAR(200) | Mandatory |
| 14 | LINE | Brand | Manufacturer full name | NVARCHAR(250) | Optional |
| 15 | LINE | orderType | Fulfilment Method | NVARCHAR(5) | Normal orders – pass the value as N.  Emergency orders – pass the value as E |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Sales Order – Pick List Update**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/outbound/salesOrder |
| **Method** | PATCH |

**Request Body**

{

"salesOrderHeader": {

"requiredDeliveryDate": "08-22-2023",

"salesOrderNumber": "20002",

"pickListNumber”: "1267003”,

"storeID": "125",

"storeName": "Auto Lab JSP",

"companyCode": "21"

},

"salesOrderLine": [

{

"lineReference": 1,

“orderType": "N",

"orderedQty": 100,

"sku": "15-80691",

"skuDescription": "BLADE ASM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

},

{

"lineReference": 2,

“orderType": "N",

"orderedQty": 200,

"sku": "15-80692",

"skuDescription": "BLADE GSM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping Fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | TBD | NVARCHAR(50) | Non-Editable/Mandatory |
| 2 | HEADER | salesOrderNumber | Sales order No | NVARCHAR(50) | Non-Editable/Mandatory |
| 3 | HEADER | pickListNumber | Pick List No | NVARCHAR(50) | Non-Editable/Mandatory |
| 4 | HEADER | StoreID | Branch code | NVARCHAR(50) | Non-Editable/Mandatory |
| 5 | HEADER | Store Name | Branch Name | NVARCHAR(500) | Non-Editable/Mandatory |
| 6 | HEADER | required delivery date | Pick List updated date | DATE (MM/DD/YYYY) | Editable/Mandatory |
| 7 | LINE | Line Reference | Line no of each item code | INTEGER | Non-Editable/Mandatory |
| 8 | LINE | Sku | Item code | NVARCHAR(50) | Non-Editable/Mandatory |
| 9 | LINE | SKU description | Item description | NVARCHAR(500) | Non-Editable/Mandatory |
| 10 | LINE | Ordered Qty | Pick list qty | DECIMAL(30,4) | Editable/Optional |
| 11 | LINE | UOM | Unit of Measure | NVARCHAR(50) | Editable/Optional |
| 12 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Editable/Optional |
| 13 | LINE | Manufacturer Name | Manufacturer short Name | NVARCHAR(200) | Editable/Optional |
| 14 | LINE | Brand | Manufacturer full name | NVARCHAR(250) | Editable/Optional |
| 15 | LINE | orderType | Fulfilment Method | NVARCHAR(5) | Normal orders – pass the value as N.  Emergency orders – pass the value as E |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

Note:

1. Picklist update is not allowed before the Sales order is picked and details sent to AMS
2. Change in the Order qty is allowed in this API
3. New Line can be added in this API

# **Sales Order – Pick List /Item - Delete**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/outbound/salesOrder |
| **Method** | DELETE |

**Request Body**

{

"salesOrderHeader": {

"requiredDeliveryDate": "08-22-2023",

"salesOrderNumber": "20002",

"pickListNumber”: "1267003”,

"storeID": "125",

"storeName": "Auto Lab JSP",

"companyCode": "21"

},

"salesOrderLine": [

{

"lineReference": 1,

“orderType": "N",

"orderedQty": 100,

"sku": "15-80691",

"skuDescription": "BLADE ASM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

},

{

"lineReference": 2,

“orderType": "N",

"orderedQty": 200,

"sku": "15-80692",

"skuDescription": "BLADE GSM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping Fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | TBD | NVARCHAR(50) | Non-Editable/Mandatory |
| 2 | HEADER | salesOrderNumber | Sales order No | NVARCHAR(50) | Non-Editable/Mandatory |
| 3 | HEADER | pickListNumber | Pick List No | NVARCHAR(50) | Non-Editable/Mandatory |
| 4 | HEADER | StoreID | Branch code | NVARCHAR(50) | Non-Editable/Mandatory |
| 5 | HEADER | Store Name | Branch Name | NVARCHAR(500) | Non-Editable/Mandatory |
| 6 | HEADER | required delivery date | Pick List updated date | DATE (MM/DD/YYYY) | Editable/Mandatory |
| 7 | LINE | Line Reference | Line no of each item code | INTEGER | Non-Editable/Mandatory |
| 8 | LINE | Sku | Item code | NVARCHAR(50) | Non-Editable/Mandatory |
| 9 | LINE | SKU description | Item description | NVARCHAR(500) | Non-Editable/Mandatory |
| 10 | LINE | Ordered Qty | Pick list qty | DECIMAL(30,4) | Editable/Optional |
| 11 | LINE | UOM | Unit of Measure | NVARCHAR(50) | Editable/Optional |
| 12 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Editable/Optional |
| 13 | LINE | Manufacturer Name | Manufacturer short Name | NVARCHAR(200) | Editable/Optional |
| 14 | LINE | Brand | Brand | NVARCHAR(250) | Editable/Optional |
| 15 | LINE | orderType | Fulfilment Method | NVARCHAR(5) | Normal orders – pass the value as N.  Emergency orders – pass the value as E |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

Note:

1. For deleting lines in the picklist, respective line details need to be passed in this API
2. For deleting the entire picklist, Header details are enough and lines have to be empty

# **Transfer order Out from WMS branch to Non-WMS branch**

|  |  |
| --- | --- |
| **Endpoint Name** | /warehouse/outbound/so/v2 |
| **Method** | POST |

**Request Body**

{

"soHeader": {

"requiredDeliveryDate": "08-20-2023",

"storeID": "232",

"storeName": "Sharq Branch",

"transferOrderNumber": "TO-200002",

"companyCode: "21"

“branchCode” : “ 115”

},

"soLine": [

{

"lineReference": 1,

“orderType": "N",

"orderedQty": 30,

"sku": "15-80691",

"skuDescription": "BLADE ASM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

},

{

"lineReference": 2,

“orderType": "N",

"orderedQty": 20,

"sku": "15-80692",

"skuDescription": "BLADE ASM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping Field from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | WMS Company Code | NVARCHAR(50) | Mandatory |
| 2 | HEADER | transferOrderNumber | Transfer order generated from Non-WMS branch or WMS branch | NVARCHAR(50) | Mandatory – Unique Value |
| 3 | HEADER | branchCode | WMS branch code | NVARCHAR(50) | Mandatory |
| 4 | HEADER | Store ID | Non- WMS branch Code | NVARCHAR(50) | Mandatory |
| 5 | HEADER | Store Name | Non-WMS branch name | NVARCHAR(500) | Optional |
| 6 | HEADER | required delivery date | Required date of delivery | DATE(MM/DD/YYYY) | Mandatory |
| 7 | LINE | Line Reference | Line number of each item | INTEGER | Mandatory – Unique value |
| 8 | LINE | Sku | Item code | NVARCHAR(50) | Mandatory |
| 9 | LINE | SKU description | Item Description | NVARCHAR(500) | Optional |
| 10 | LINE | Ordered Qty | Transfer order qty | DECIMAL(30,4) | Mandatory |
| 11 | LINE | UOM | Unit of Measure | NVARCHAR(50) | Mandatory |
| 12 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Mandatory |
| 13 | LINE | Manufacturer Name | Manufacturer short Name | NVARCHAR(200) | Mandatory |
| 14 | LINE | Brand | Manufacturer full name | NVARCHAR(250) | Optional |
| 15 | LINE | orderType | Fulfilment Method | NVARCHAR(5) | Normal orders – pass the value as N.  Emergency orders – pass the value as E |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Supplier Return Order**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/outbound/returnPO/v2 |
| **Method** | POST |

**Request Body**

{

"returnPOHeader": {

"poNumber": "PO-44501",

"requiredDeliveryDate": "09-27-2023",

"storeID": "115",

"storeName": "Amghara JSP",

"companyCode": "21"

},

"returnPOLine": [

{

"lineReference": 1,

"sku": "15-80691",

"skuDescription": " BLADE ASM-FAN",

"returnQty": 150,

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

},

{

"lineReference": 2,

"sku": "15-80692",

"skuDescription": " BLADE GSM-FAN",

"returnQty": 50,

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | Company Code | NVARCHAR(50) | Mandatory |
| 2 | HEADER | poNumber | Return order No | NVARCHAR(50) | Mandatory – Unique value |
| 3 | HEADER | Store ID | Returning Branch code | NVARCHAR(50) | Mandatory |
| 4 | HEADER | Store Name | Branch Name | NVARCHAR(500) | Optional |
| 5 | HEADER | required delivery date | Return order date | DATE(MM/DD/YYYY) | Mandatory |
| 6 | LINE | Line Reference | Line no of each item code | INTEGER | Mandatory – Unique value |
| 7 | LINE | sku | Item code | NVARCHAR(50) | Mandatory |
| 8 | LINE | SKU description | Item description | NVARCHAR(500) | Optional |
| 9 | LINE | Ordered Qty | Return order qty | DECIMAL(30,4) | Mandatory |
| 10 | LINE | UOM | Unit of Measure | NVARCHAR(50) | Mandatory |
| 11 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Mandatory |
| 12 | LINE | Manufacturer Name | Manufacturer short Name | NVARCHAR(200) | Mandatory |
| 13 | LINE | Brand | Brand | NVARCHAR(250) | Optional |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Transfer Out Order from WMS to WMS branch**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/Outbound/interWarehouseTransferOut/v2 |
| **Method** | POST |

**Request Body**

{

"interWarehouseTransferOutHeader": {

"fromCompanyCode": "21",

“fromBranchCode”: “115”,

"requiredDeliveryDate": "09-25-2023",

"toCompanyCode": "21",

“toBranchCode”: “125”

"transferOrderNumber": "TO-600002"

},

"interWarehouseTransferOutLine": [

{

"lineReference": 1,

“orderType": "N",

"orderedQty": 100,

"sku": "15-80691",

"skuDescription": "BLADE ASM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai”,

"uom": "EA"

},

{

"lineReference": 2,

“orderType": "N",

"orderedQty": 50,

"sku": "15-80692",

"skuDescription": "BLADE GSM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai”,

"uom": "EA"

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | fromCompanyCode | Source Company Code | NVARCHAR(50) | Mandatory |
| 2 | HEADER | fromBranchCode | Source Branch code | NVARCHAR(50) | Mandatory |
| 3 | HEADER | transferOrderNumber | Transfer order No | NVARCHAR(50) | Mandatory |
| 4 | HEADER | toBranchCode | Target Branch code | NVARCHAR(50) | Mandatory |
| 5 | HEADER | required delivery date | Transfer order date | DATE(MM/DD/YYYY) | Mandatory |
| 6 | LINE | toCompanyCode | Target Company Code | NVARCHAR(50) | Mandatory |
| 7 | LINE | Line Reference | Line no of each item code | INTEGER | Mandatory – Unique value |
| 8 | LINE | Sku | Item code | NVARCHAR(50) | Mandatory |
| 9 | LINE | SKU description | Item description | NVARCHAR(500) | Optional |
| 10 | LINE | Ordered Qty | Transfer order qty | DECIMAL(30,4) | Mandatory |
| 11 | LINE | UOM | Unit of Measure | NVARCHAR(50) | Mandatory |
| 12 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Mandatory |
| 13 | LINE | Manufacturer Name | Manufacturer short Name | NVARCHAR(200) | Mandatory |
| 14 | LINE | Brand | Manufacturer full name | NVARCHAR(250) | Optional |
| 15 | LINE | orderType | Fulfilment Method | NVARCHAR(5) | Normal orders – pass the value as N.  Emergency orders – pass the value as E |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Sales invoice**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/outbound/salesInvoice |
| **Method** | POST |

**{**

**Request Body**

{

"salesInvoiceNumber": "123456667",

“branchCode” : “115”,

"companyCode": "21"

"salesOrderNumber": "20002",

"pickListNumber”: "1267003”,

“invoiceDate”: :04-27-2023”

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping Fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | BODY | companyCode | Company Code | NVARCHAR(50) | Mandatory |
| 2 | BODY | salesInvoiceNumber | Sales Invoice number | NVARCHAR(50) | Mandatory |
| 3 | BODY | branchCode | Branch Code | NVARCHAR(50) | Mandatory |
| 4 | BODY | salesOrderNumber | Sales Order Number | NVARCHAR(50) | Mandatory |
| 5 | BODY | pickListNumber | Pick list Number | NVARCHAR(50) | Mandatory |
| 6 | BODY | invoiceDate | Sales Invoice date | DATE(MM/DD/YYYY) | Mandatory |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Item Master - Create**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/master/item |
| **Method** | POST |

**Request Body**

{

"itemHeader":{

"companyCode": "21",

“branchCode”: “115”,

"sku": "15-80691",

"skuDescription": "BLADE ASM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai”,

"uom": "EA"

“itemGroupID”: “4”,

“subItemGroupID”: “15”

“supplierPartNo” : “4555612”

“createdBy”: “vishal”

“createdOn”: "09-25-2023"

},

"alternatePartNos": [

{

“alternateItemCode”: “15-803233”

“alternateManfucaturerCode”: “25”

“alternateManfucaturerName”: “DIG”,

“alternateItemType”: “A”

},

{

“alternateItemCode”: “15-803234”

“alternateManfucaturerCode”: “27”

“alternateManfucaturerName”: “SIT”,

“alternateItemType”: “A”

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping Fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | Company Code | NVARCHAR(50) | Mandatory |
| 2 | HEADER | branchCode | Branch Code | NVARCHAR(50) | Mandatory |
| 3 | HEADER | sku | Item code | NVARCHAR(50) | Mandatory |
| 4 | HEADER | skuDescription | Item Description | NVARCHAR(500) | Mandatory |
| 5 | HEADER | uom | Unit of Measure | NVARCHAR(50) | Mandatory |
| 6 | HEADER | itemGroupID | Item Group ID | INTEGER | Optional |
| 7 | HEADER | subItemGroupID | Secondary Item group ID | INTEGER | Optional |
| 8 | HEADER | manufacturerCode | ManufacturerCode | NVARCHAR(200) | Mandatory |
| 9 | HEADER | manufacturerName | ManufacturerName | NVARCHAR(200) | Mandatory |
| 10 | HEADER | brand | Brand | NVARCHAR(250) | Optional |
| 11 | HEADER | supplierPartNo | Supplier Part No | NVARCHAR(50) | Optional |
| 12 | HEADER | createdBy | Created User name | NVARCHAR(50) |  |
| 13 | HEADER | createdOn | Item creation date | DATE(MM/DD/YYYY) | Mandatory |
| 14 | LINE | alternateItemCode | Alternate Item code | NVARCHAR(50) | Optional |
| 15 | LINE | alternateManfucaturerCode | Alternate Item’s manufacturer code | NVARCHAR(200) | Optional |
| 16 | LINE | alternateManfucaturerName | Alternate Item’s manufacturer Name | NVARCHAR(200) | Optional |
| 17 | LINE | alternateItemType | Alternate Item type code (A or S) | NVARCHAR(10) | Optional |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Item Master - Update**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/master/item |
| **Method** | PATCH |

**Request Body**

{

"itemHeader":{

"companyCode": "21",

“branchCode”: “115”,

"sku": "15-80691",

"skuDescription": "BLADE ASM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai”,

"uom": "EA"

“itemGroupID”: “4”,

“subItemGroupID”: “15”

“supplierPartNo” : “4555612”

“updatedBy”: “vishal”

“updatedOn”: "09-25-2023"

},

"alternatePartNos": [

{

“alternateItemCode”: “15-803233”

“alternateManfucaturerCode”: “25”

“alternateManfucaturerName”: “DIG”,

},

{

“alternateItemCode”: “15-803234”

“alternateManfucaturerCode”: “27”

“alternateManfucaturerName”: “SIT”,

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping Fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | Company Code | NVARCHAR(20) | Non-Editable/Mandatory |
| 2 | HEADER | branchCode | Branch Code | NVARCHAR(50) | Non-Editable/Mandatory |
| 3 | HEADER | Sku | Item code | NVARCHAR(50) | Non-Editable/Mandatory |
| 4 | HEADER | skuDescription | Item Description | NVARCHAR(500) | Editable/Optional |
| 5 | HEADER | Uom | Unit of Measure | NVARCHAR(50) | Non-Editable/Optional |
| 6 | HEADER | itemGroupID | Item Group ID | INTEGER | Editable/Optional |
| 7 | HEADER | subItemGroupID | Secondary Item group ID | INTEGER | Editable/Optional |
| 8 | HEADER | manufacturerCode | ManufacturerCode | NVARCHAR(200) | Editable/Optional |
| 9 | HEADER | manufacturerName | ManufacturerName | NVARCHAR(200) | Editable/Optional |
| 10 | HEADER | brand | Brand | NVARCHAR(250) | Editable/Optional |
| 11 | HEADER | supplierPartNo | Supplier Part No | NVARCHAR(50) | Editable/Optional |
| 12 | HEADER | updatedBy | Updated User name | NVARCHAR(50) | Mandatory |
| 13 | HEADER | updatedOn | Item updated date | DATE(MM/DD/YYYY) | Mandatory |
| 14 | LINE | alternateItemCode | Alternate Item code | NVARCHAR(50) | Editable/add/Optional |
| 15 | LINE | alternateManfucaturerCode | Alternate Item’s manufacturer code | NVARCHAR(200) | Editable/add/Optional |
| 16 | LINE | alternateManfucaturerName | Alternate Item’s manufacturer Name | NVARCHAR(200) | Editable/add/Optional |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Customer Master - Create**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/master/customer |
| **Method** | POST |

**Request Body**

{

“companyCode: : “21”

“branchCode”: “115”,

"partnerCode": "1065",

"partnerName": "Enaam Alkhaleej Est",

“address1”: “P.O.Box: 1962, 13020”,

"address2": "  Kuwait City",

“state”: “Kuwait City”,

"country": "Kuwait"

“phoneNumber”: “965-123456”,

“alternatePhoneNumber”: “965-232423”

“civilId”: “2302342342523”

“emailId” : “test@gmail.com”

“createdBy”: “vishal”

“createdOn”: "09-25-2023"

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping Fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | BODY | companyCode | Company Code | NVARCHAR(50) | Mandatory |
| 2 | BODY | branchCode | Branch code | NVARCHAR(50) | Optional |
| 3 | BODY | partnerCode | Customer code | NVARCHAR(50) | Mandatory |
| 4 | BODY | partnerName | Customer Name | NVARCHAR(50) | Mandatory |
| 5 | BODY | address1 | Home Address 1 | NVARCHAR(5000) | Mandatory |
| 6 | BODY | address2 | Home Address 2 | NVARCHAR(5000) | Optional |
| 7 | BODY | state |  | NVARCHAR(50) | Optional |
| 8 | BODY | country |  | NVARCHAR(50) | Optional |
| 9 | BODY | phoneNumber | Home Tel Number | NVARCHAR(500) | Optional |
| 10 | BODY | civilId | Civil ID Number | NVARCHAR(200) | Optional |
| 11 | BODY | alternatePhoneNumber | Mobile Number | NVARCHAR(200) | Optional |
| 12 | BODY | emailID |  | NVARCHAR(500) | Optional |
| 13 | BODY | createdBy | Created User name | NVARCHAR(50) | Mandatory |
| 14 | BODY | createdOn | Item creation date | DATE(MM/DD/YYYY) | Mandatory |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Customer Master - Update**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/master/customer |
| **Method** | PATCH |

**Request Body**

{

“companyCode: : “21”

“branchCode”: “115”,

"partnerCode": "1065",

"partnerName": "Enaam Alkhaleej Est",

“address1”: “P.O.Box: 1962, 13020”,

"address2": "  Kuwait City",

“state”: “Kuwait City”,

"country": "Kuwait"

“phoneNumber”: “965-123456”,

“alternatePhoneNumber”: “965-232423”

“civilId”: “2302342342523”

“emailId” : “test@gmail.com”

“updatedBy”: “vishal”

“updatedOn”: "09-25-2023"

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping Fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | BODY | companyCode | Company Code | NVARCHAR(50) | Non-Editable/Mandatory |
| 2 | BODY | branchCode | Branch Code | NVARCHAR(50) | Non-Editable/optional |
| 3 | BODY | partnerCode | Customer code | NVARCHAR(50) | Non-Editable/Mandatory |
| 4 | BODY | partnerName | Customer Name | NVARCHAR(50) | Editable/optional |
| 5 | BODY | address1 | Home Address 1 | NVARCHAR(5000) | Editable/optional |
| 6 | BODY | address2 | Home Address 2 | NVARCHAR(5000) | Editable/optional |
| 7 | BODY | state |  | NVARCHAR(50) | Editable/optional |
| 8 | BODY | country |  | NVARCHAR(50) | Editable/optional |
| 9 | BODY | phoneNumber | Home Tel Number | NVARCHAR(500) | Editable/optional |
| 10 | BODY | civilId | Civil ID Number | NVARCHAR(200) | Editable/optional |
| 11 | BODY | alternatePhoneNumber | Mobile Number | NVARCHAR(200) | Editable/optional |
| 12 | BODY | emailID |  | NVARCHAR(500) | Editable/optional |
| 13 | BODY | updatedBy | Updated User name | NVARCHAR(50) | Mandatory |
| 14 | BODY | updatedOn | Customer updated date | DATE(MM/DD/YYYY) | Mandatory |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Stock Count - Perpetual**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/stockcount/perpetual |
| **Method** | POST |

**Request Body**

{

"stockCountHeader": {

"cycleCountNumber": "7432",

"creationDate": "09-27-2023",

"branch": "115",

"branchName": "Amghara JSP",

"companyCode": "21"

},

"stockCountLine": [

{

"lineReference": 1,

"sku": "15-80691",

"skuDescription": " BLADE ASM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

},

{

"lineReference": 2,

"sku": "15-80692",

"skuDescription": " BLADE GSM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | Company Code | NVARCHAR(50) | Mandatory |
| 2 | HEADER | cycleCountNumber | Cycle Count No | NVARCHAR(50) | Mandatory – Unique value |
| 3 | HEADER | Branch | Stock count Branch code | NVARCHAR(50) | Mandatory |
| 4 | HEADER | branchName | Branch Name | NVARCHAR(500) | Optional |
| 5 | HEADER | creationDate | Cycle count creation date | DATE(MM/DD/YYYY) | Mandatory |
| 6 | LINE | lineReference | Line no of each item code | INTEGER | Mandatory – Unique value |
| 7 | LINE | sku | Item code | NVARCHAR(50) | Mandatory |
| 8 | LINE | skuDescription | Item description | NVARCHAR(500) | Optional |
| 10 | LINE | Uom | Unit of Measure | NVARCHAR(50) | Mandatory |
| 11 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Mandatory |
| 12 | LINE | manufacturerName | Manufacturer Name | NVARCHAR(200) | Mandatory |
| 13 | LINE | Brand | Brand | NVARCHAR(250) | Optional |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Stock Count - Periodic**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/stockcount/periodic |
| **Method** | POST |

**Request Body**

{

"stockCountHeader": {

"cycleCountNumber": "7432",

"creationDate": "09-27-2023",

"branch": "115",

"branchName": "Amghara JSP",

"companyCode": "21"

},

"stockCountLine": [

{

"lineReference": 1,

"sku": "15-80691",

"skuDescription": " BLADE ASM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

},

{

"lineReference": 2,

"sku": "15-80692",

"skuDescription": " BLADE GSM-FAN",

“manufacturerCode”: “23”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

}

]

}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | Company Code | NVARCHAR(50) | Mandatory |
| 2 | HEADER | cycleCountNumber | Cycle Count No | NVARCHAR(50) | Mandatory – Unique value |
| 3 | HEADER | branch | Stock count Branch code | NVARCHAR(50) | Mandatory |
| 4 | HEADER | branchName | Branch Name | NVARCHAR(500) | Optional |
| 5 | HEADER | creationDate | Cycle count creation date | DATE(MM/DD/YYYY) | Mandatory |
| 6 | LINE | lineReference | Line no of each item code | INTEGER | Mandatory – Unique value |
| 7 | LINE | sku | Item code | NVARCHAR(50) | Mandatory |
| 8 | LINE | skuDescription | Item description | NVARCHAR(500) | Optional |
| 10 | LINE | UOM | Unit of Measure | NVARCHAR(50) | Mandatory |
| 11 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Mandatory |
| 12 | LINE | manufacturerName | Manufacturer Name | NVARCHAR(200) | Mandatory |
| 13 | LINE | Brand | Brand | NVARCHAR(250) | Optional |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |

# **Book out- Parts from Damage locations**

|  |  |
| --- | --- |
| **Endpoint Name :** | /warehouse/bookout/damage |
| **Method** | POST |

**Request Body**

{

"stockAdjustmentHeader": {

"branch": "115",

"branchName": "Amghara JSP",

"companyCode": "21"

"adjustmentDate": "09-27-2023",

},

"stockAdjustmentLine": [

{

"sku": "15-80691",

"skuDescription": " BLADE ASM-FAN",

“manufacturerCode”: 5232045”,

‘adjustmentQty”: “50”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

},

{

"sku": "15-80692",

"skuDescription": " BLADE GSM-FAN",

‘adjustmentQty”: “80”,

“manufacturerCode”: “852203”,

"manufacturerName": "ACD",

“brand”: “Hyundai

"uom": "EA"

}

]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Type** | **JSON Fields** | **Mapping fields from AMS** | **Datatype/Length** | **Field Condition** |
| 1 | HEADER | companyCode | Company Code | NVARCHAR(50) | Mandatory |
| 3 | HEADER | branch | Stock count Branch code | NVARCHAR(50) | Mandatory |
| 4 | HEADER | branch Name | Branch Name | NVARCHAR(500) | Optional |
| 5 | HEADER | adjusmtnentDate | Date of adjustment | DATE(MM/DD/YYYY) | Mandatory |
| 7 | LINE | sku | Item code | NVARCHAR(50) | Mandatory |
| 8 | LINE | skuDescription | Item description | NVARCHAR(500) | Optional |
| 9 | LINE | adjustmentQty | Adjustment qty | DECIMAL(30,4) | Mandatory |
| 10 | LINE | UOM | Unit of Measure | NVARCHAR(50) | Mandatory |
| 11 | LINE | manufacturerCode | Manufacturer Code | NVARCHAR(200) | Mandatory |
| 12 | LINE | Manufacturer Name | Manufacturer Name | NVARCHAR(200) | Optional |
| 13 | LINE | Brand | Brand | NVARCHAR(250) | Optional |

**Response**

{

"statusCode": <status-code>, "message": <message>

}

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| statusCode | String | Status of the request.  200-Success. All other status code is failure |
| Message | String | Description will contain information on the failure or success |