Change Order WMS Host Interface for Inbound and Outbound

Infolog WMS: PSA PORT+ SERVICES (SEA) PTE LTD

Order No: CO-20250202
Client Name: PSA PORT+ SERVICES (SEA) PTE LTD
Address: 1 Harbour Drive, #12-00,

PSA Horizons Singapore 117352

Maintained by: Liz Kallista
Version: v7.0 – 20 May 2025
Address: 201 Henderson Road
                #06-01 Singapore 159545

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Revision History

Version	Date	Author	Remark
1.0	03-03-2025	Liz Kallista	Initial version
2.0	04-03-2025	Liz Kallista	Added Container No in payload
3.0	11-03-2025	Liz Kallista	Added for DO and SO JSON
4.0	13-03-2025	Liz Kallista	Revision Added temp table for trucking information
5.0	17-03-2025	Liz Kallista	Revision
6.0	18-03-2025	Liz Kallista	Revision
7.0	14-04-2025	Liz Kallista	Added Container No in SO API response
8.0	07-05-2025	Liz Kallista	Added Container Type, Transport Type and Command in ASN API response Added Allocation Type in SO API response
9.0	20-05-2025	Liz Kallista	Added quantity of Additional Optional Field in the ASN and SO Header and Lines

Approval

We confirm that this change order is written according to sats warehouse requirement and will be used as basis for development and implementing the changes.

Signed on behalf of PSA PORT+ SERVICES (SEA) Pte Ltd	
Name: Title: Date:_____	Name: Title: Date:_____
Name: Title: Date:_____	Name: Title: Date:_____

Signed on behalf of Infolog Pte Ltd	
Name: Title: Date:_____	Name: Title: Date:_____
Name: Title: Date:_____	Name: Title: Date:_____

Table of Contents

1. Change Order Specification

This document describes interface specification in Infolog WMS. In the context of this document, the Host system is other party system.

This document describes interface messages between WMS and Host, to define the messages, and the message structure.

1.1 ASN JSON Request

Purpose of this message for Host to inform WMS on newly created or updated order for new incoming.

Remarks:
1. Host should only download a confirmed/approved/released order
2. Host should not update a received order

Bellow the configuration ASN Request:

General	
Method	POST
URL	https://www.cargoclique.com/psawebapi/api/asn_json/post
Desc	API Upload ASN Instruction
Remark	URL Non-Live Environment : https://pcssgtest.cargoclique.com/psawebapi_training/api/asn_json date format: YYYY-MM-DD hh:mm:ss

Header			
Field	Type	Value	Description
Content-Type		application/json	
Authorization	String	4B3BCB93-9CBF-4046-A2F0-71247B0FCABB	API key

Request structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	Command	CHAR(20)	YES	Command	
2	Owner Code	CHAR(10)	YES	Owner of the goods	
3	Warehouse Code	CHAR(10)	YES	Warehouse Code	
4	SOURCE_SYSTEM_ID	INT	YES	Will be added for ASN that created by API	
5	PO Number	CHAR(30)	YES	PO Number / Host Order No	
6	ASN No	CHAR(30)	NO	ASN No is field for update purpose	
7	ASN Date	DATETIME	NO	ASN document date	
8	ETA Date	DATETIME	NO	Estimated Arrival Date	
9	Reference No	CHAR(20)	NO	Reference Number	
10	Transport Type	CHAR(20)	NO	Transport Type	
11	Transaction Code	CHAR(10)	YES	Code that represent type of the transaction, e.g.: PO	
12	SO Number	CHAR(20)	NO	Reference for sales return	
13	Supplier Code	CHAR(10)	NO	Supplier Code	

#	Field Name	Type	Mandatory	Description	List of Value
14	Supplier Name	CHAR(128)	NO	Name of Supplier	
15	Supplier Address 1	CHAR(128)	NO	Supplier address line 1	
16	Supplier Address 2	CHAR(128)	NO	Supplier address line 2	
17	Supplier Zip Code	CHAR(10)	NO	Supplier postal code / zip code	
18	Supplier Telephone No	CHAR(50)	NO	Supplier telephone number	
19	Supplier Tax No	CHAR(50)	NO	Supplier Tax No	
20	Supplier Email Address	CHAR(50)	NO	Supplier Email Address	
21	Container Details	CHAR(128)	NO	Container information, such as container number	
22	Container Size	CHAR(10)	NO	Size of the container	
23	Container Type	CHAR(20)	NO	Type of the container	
24	Vessel Details	CHAR(128)	NO	Information of vessel if the incoming is by sea	
25	Remarks 1	CHAR(128)	NO	Remarks 1	
26	Remarks 2	CHAR(128)	NO	Remarks 2	
27	Seal Number	CHAR(128)	NO	Seal number of container	
28	ETD Date	DATETIME	NO	Estimated departure date	
29	Additional Optional Field 1	NVARCHAR(2000)	NO	Vessel Voyage	
30	Additional Optional Field 2	NVARHCAR(50)	NO	Full Vessel Name	
31	Additional Optional Field 3	NVARHCAR(50)	NO	Full Vessel Voyage	
32	Additional Optional Field 4	NVARHCAR(50)	NO	Shipment Mode	
33	Additional Optional Field 5	NVARHCAR(50)	NO	Bill of Lading	
34	Additional Optional Field 6	NVARHCAR(50)	NO	Port of Loading	
35	Additional Optional Field 7	NVARHCAR(100)	NO	Vehicle ID	
36	Additional Optional Field 8	NVARHCAR(100)	NO	Port of Discharge	
37	Additional Optional Field 9	NVARHCAR(100)	NO		
38	Additional Optional Field 10	NVARHCAR(100)	NO		
39	Additional Optional Field 11	NVARHCAR(100)	NO		
40	Additional Optional Field 12	NVARHCAR(100)	NO		
41	Additional Optional Field 13	NVARHCAR(100)	NO		
42	Additional Optional Field 14	NVARHCAR(100)	NO		
43	Additional Optional Field 15	NVARHCAR(100)	NO		
44	Additional Optional Dec Field 1	DECIMAL(18,5)	NO	Freight Charge	
45	Additional Optional Dec Field 2	DECIMAL(18,5)	NO	Insurance Charge	
46	Additional Optional Date Field 1	DATETIME	NO	Date of Unstuff	
47	Additional Optional Date Field 2	DATETIME	NO		

#	Field Name	Type	Mandatory	Description	List of Value
48	Additional Optional Int Field 1	INT	NO		
49	Additional Optional Int Field 2	INT	NO		
50	Line Number	INT	YES	Line number	
51	Original Line Number	INT	YES	Line number in Host system	
52	Product Code	CHAR(25)	YES	Product Code	
53	Quantity Ordered	DECIMAL(18,5)	YES	Expected quantity to receive	
54	UOM Code	CHAR(10)	YES	Unit of measure	
55	Lot Number	CHAR(25)	NO	Lot Number	
56	Production Date	DATETIME	NO	Production Date	
57	Expiry Date	DATETIME	NO	Expiry Date	
58	Line Remarks	CHAR(128)	NO	Line Remarks	
59	SO_Line_No	INT	NO	SO Line Number	
60	Serial No	CHAR(128)	NO	Serial Number	
61	Optional Field 1	NVARCHAR(50)	NO	DCode	
62	Optional Field 2	NVARCHAR(50)	NO	Custom Lot No	
63	Optional Field 3	NVARCHAR(50)	NO	CartonID	
64	Optional Field 4	NVARCHAR(50)	NO	Country of Destination	
65	Optional Field 5	NVARCHAR(50)	NO	Custom UOM	
66	Optional Field 6	NVARCHAR(50)	NO	Actual Dimension	
67	Optional Field 7	NVARCHAR(50)	NO	Actual Marks & No	
68	Optional Field 8	NVARCHAR(50)	NO		
69	Optional Dec Field 1	DECIMAL(18,5)	NO	Actual Volume	
70	Optional Dec Field 2	DECIMAL(18,5)	NO	Actual Weight	
71	Optional Int Field 1	INT	NO		
72	Optional Int Field 2	INT	NO		
73	Optional Int Field 3	INT	NO		
74	Optional Int Field 4	INT	NO		
75	Optional Date Field 1	DATETIME	NO		
76	Optional Date Field 2	DATETIME	NO		
77	Additional Optional Field 1	NVARCHAR(50)	NO	Line PO No	
78	Additional Optional Field 2	NVARCHAR(50)	NO	INV_CURRENCY	
79	Additional Optional Field 3	NVARCHAR(50)	NO		
80	Additional Optional Field 4	NVARCHAR(50)	NO	Prod No.	
81	Additional Optional Field 5	NVARCHAR(50)	NO	TIN#	
82	Additional Optional Field 6	NVARCHAR(50)	NO		
83	Additional Optional Field 7	NVARCHAR(50)	NO		
84	Additional Optional Field 8	NVARCHAR(50)	NO		
85	Additional Optional Field 9	NVARCHAR(50)	NO		
86	Additional Optional Field 10	NVARCHAR(50)	NO		
87	Additional Optional Int Field 1	INT	NO	Total PCS	

#	Field Name	Type	Mandatory	Description	List of Value
88	Additional Optional Int Field 2	INT	NO	Inner Deno	
89	Additional Optional Dec Field 1	DECIMAL(18,5)	NO	Total Invoice Amt	
90	Additional Optional Dec Field 2	DECIMAL(18,5)	NO	Net Price	

Request sample:

JSON STRUCTURE	SPECIFICATIONS
{	
"PO":	Root
[	Array of Object
{	
"COMMAND": "",	Command
"OWNER_CODE": "NIPRO",	Owner Code
"WHS_CODE": "24PRA",	Warehouse Code
"SOURCE_SYSTEM_ID": 0,	Source System ID
"PO_NO": "PO20180727-01",	PO Number
"ASN_NO": "",	ASN Number
"ASN_DATE": "2025-02-10 18:00:00",	ASN Date
"ETA_DATE": "2025-02-10 18:00:00",	ETA Date
"REF_NO": "",	Reference No
"TRANSPORT_TYPE": "",	Transport Type
"TRANS_CODE": "PO",	Transaction Code
"SO_NO": "",	Order Number
"SUPPLIER_CODE": "NIC-FMS",	Supplier Code
"SUPPLIER_NAME": "FARMASOL TIBBI URUNLER SAN.VE TIC.A.S.",	Supplier Name
"SUPPLIER_ADD1": "",	Supplier Address 1
"SUPPLIER_ADD2": "",	Supplier Address 2
"SUPPLIER_ZIP_CODE": "",	Supplier Zip Code
"SUPPLIER_TEL_NO": "",	Supplier Telephone No
"SUPPLIER_TAX_NO": "",	Supplier Tax No
"SUPPLIER_EMAIL": "",	Supplier Email
"CONTAINER_NO": "ITCU1172047",	Container Number
"CONTAINER_SIZE": "40F",	Container Size
"CONTAINER_TYPE": "",	Container Type
"VESSEL_DETAILS": "",	Vessel Details
"REMARKS1": "",	Remarks 1
"REMARKS2": "",	Remarks 2
"SEAL_NO": "AV40034443",	Seal Number
"ETD_DATE": "2025-02-10 18:00:00",	ETD Date
"AOPT_FIELD1": "",	Vessel Voyage
"AOPT_FIELD2": "",	Full Vessel Name
"AOPT_FIELD3": "",	Full Vessel Voyage
"AOPT_FIELD4": "",	Shipment Mode

"AOPT_FIELD5": "",	Bill of Lading
"AOPT_FIELD6": "",	Port of Loading
"AOPT_FIELD7": "",	Vehicle ID
"AOPT_FIELD8": "",	Port of Discharge
"AOPT_FIELD9": "",	
"AOPT_FIELD10": "",	
"AOPT_FIELD11": "",	
"AOPT_FIELD12": "",	
"AOPT_FIELD13": "",	
"AOPT_FIELD14": "",	
"AOPT_FIELD15": "",	
"AOPT_DEC_FIELD1": 0.00000,	Freight Charge
"AOPT_DEC_FIELD2": 0.00000,	Insurance Charge
"AOPT_DATE_FIELD1": "2025-02-10 18:00:00",	Date of Unstuff
"AOPT_DATE_FIELD2": "2025-02-10 18:00:00",	
"AOPT_INT_FIELD1": 0,	
"AOPT_INT_FIELD2": 0	
"PO_LINE": [	
{	
"LINE_NO": 1,	Line Number
"ORIG_LINE_NO": 2882181,	Original Line No
"PROD_CODE": "P001",	Product Code
"QTY": 3.00000,	Qty Ordered
"UOM_CODE": "CTN",	UOM Code
"LOT_NO": "",	Lot Number
"PRODUCTION_DATE": "2025-02-10 18:00:00",	Production Date
"EXPIRY_DATE": "2025-02-10 18:00:00",	Expiry Date
"SERIAL_NO": "",	Serial Number
"LINE_REMARKS": "",	Line Remarks
"SO_LINE_NO": 0,	SO Line Number
"OPT_FIELD1": "",	DCode
"OPT_FIELD2": "SPZ",	Custom Lot No
"OPT_FIELD3": "",	CartonID
"OPT_FIELD4": "",	Country of Destination
"OPT_FIELD5": "",	Custom UOM
"OPT_FIELD6": "",	Actual Dimension
"OPT_FIELD7": "",	Actual Marks & No
"OPT_FIELD8": "",	
"OPT_DEC_FIELD1": 0.00000,	Actual Volume
"OPT_DEC_FIELD2": 0.00000,	Actual Weight
"OPT_INT_FIELD1": 0,	
"OPT_INT_FIELD2": 0,	
"OPT_INT_FIELD3": 0,	
"OPT_INT_FIELD4": 0,	
"OPT_DATE_FIELD1": "2025-02-10 18:00:00",	

`"OPT_DATE_FIELD2": "2025-02-10 18:00:00",`	
`"AOPT_FIELD1": "",`	Line PO No
`"AOPT_FIELD2": "",`	INV_CURRENCY
`"AOPT_FIELD3": "",`	
`"AOPT_FIELD4": "",`	Prod No.
`"AOPT_FIELD5": "",`	TIN#
`"AOPT_FIELD6": "",`	
`"AOPT_FIELD7": "",`	
`"AOPT_FIELD8": "",`	
`"AOPT_FIELD9": "",`	
`"AOPT_FIELD10": "",`	
`"AOPT_INT_FIELD1": 0,`	Total PCS
`"AOPT_INT_FIELD2": 0,`	Inner Deno
`"AOPT_DEC_FIELD1": 0.00000,`	Total Invoice Amt
`"AOPT_DEC_FIELD2": 0.00000,`	Net Price
`"AOPT_DATE_FIELD1": "2025-02-10 18:00:00",`	
`"AOPT_DATE_FIELD2": "2025-02-10 18:00:00"`	
`},`	
`{`	
`"LINE_NO": 2,`	Line Number
`"ORIG_LINE_NO": 2882182,`	Original Line No
`"PROD_CODE": "P002",`	Product Code
`"QTY": 4.00000,`	Qty Ordered
`"UOM_CODE": "CTN",`	UOM Code
`"LOT_NO": "",`	Lot Number
`"PRODUCTION_DATE": "2025-02-10 18:00:00",`	Production Date
`"EXPIRY_DATE": "2025-02-10 18:00:00",`	Expiry Date
`"SERIAL_NO": "",`	Serial Number
`"LINE_REMARKS": "",`	Line Remarks
`"SO_LINE_NO": 0,`	SO Line Number
`"OPT_FIELD1": "",`	DCode
`"OPT_FIELD2": "SPZ",`	Custom Lot No
`"OPT_FIELD3": "",`	CartonID
`"OPT_FIELD4": "",`	Country of Destination
`"OPT_FIELD5": "",`	Custom UOM
`"OPT_FIELD6": "",`	Actual Dimension
`"OPT_FIELD7": "",`	Actual Marks & No
`"OPT_FIELD8": "",`	
`"OPT_DEC_FIELD1": 0.00000,`	Actual Volume
`"OPT_DEC_FIELD2": 0.00000,`	Actual Weight
`"OPT_INT_FIELD1": 0,`	
`"OPT_INT_FIELD2": 0,`	
`"OPT_INT_FIELD3": 0,`	
`"OPT_INT_FIELD4": 0,`	
`"OPT_DATE_FIELD1": "2025-02-10 18:00:00",`	

`"OPT_DATE_FIELD2": "2025-02-10 18:00:00",`	
`"AOPT_FIELD1": "",`	Line PO No
`"AOPT_FIELD2": "",`	INV_CURRENCY
`"AOPT_FIELD3": "",`	
`"AOPT_FIELD4": "",`	Prod No.
`"AOPT_FIELD5": "",`	TIN#
`"AOPT_FIELD6": "",`	
`"AOPT_FIELD7": "",`	
`"AOPT_FIELD8": "",`	
`"AOPT_FIELD9": "",`	
`"AOPT_FIELD10": "",`	
`"AOPT_INT_FIELD1": 0,`	Total PCS
`"AOPT_INT_FIELD2": 0,`	Inner Deno
`"AOPT_DEC_FIELD1": 0.00000,`	Total Invoice Amt
`"AOPT_DEC_FIELD2": 0.00000,`	Net Price
`"AOPT_DATE_FIELD1": "2025-02-10 18:00:00",`	
`"AOPT_DATE_FIELD2": "2025-02-10 18:00:00"`	
`        }`	Sub-Element
`    ]`	
`},`	
`{`	
`    "COMMAND": "",`	Command
`    "OWNER_CODE": "MBS",`	Owner Code
`    "WHS_CODE": "24PRA",`	Warehouse Code
`    "SOURCE_SYSTEM_ID": "",`	Source System ID
`    "PO_NO": "PO20180727-02",`	PO Number
`    "ASN_NO": "",`	ASN Number
`    "ASN_DATE": "2025-02-10 18:00:00",`	ASN Date
`    "ETA_DATE": "2025-02-10 18:00:00",`	ETA Date
`    "REF_NO": "",`	Reference No
`    "TRANSPORT_TYPE": "",`	Transport Type
`    "TRANS_CODE": "PO",`	Transaction Code
`    "SUPPLIER_CODE": "AAPL",`	Supplier Code
`    "SUPPLIER_NAME": "AIMEDIA ASIA PACIFIC PTE LTD",`	Supplier Name
`    "SUPPLIER_ADD1": "",`	Supplier Address 1
`    "SUPPLIER_ADD2": "",`	Supplier Address 2
`    "SUPPLIER_ZIP_CODE": "",`	Supplier Zip Code
`    "SUPPLIER_TEL_NO": "",`	Supplier Telephone No
`    "SUPPLIER_TAX_NO": "",`	Supplier Tax No
`    "SUPPLIER_EMAIL": "",`	Supplier Email
`    "CONTAINER_NO": "ITCU1172047",`	Container Number
`    "CONTAINER_SIZE": "40F",`	Container Size
`    "CONTAINER_TYPE": "",`	Container Type
`    "VESSEL_DETAILS": "",`	Vessel Details
`    "REMARKS1": "",`	Remarks 1

"REMARKS2": "",	Remarks 2
"SEAL_NO": "AV40034443",	Seal Number
"ETD_DATE": "2025-02-10 18:00:00",	ETD Date
"AOPT_FIELD1": "",	Vessel Voyage
"AOPT_FIELD2": "",	Full Vessel Name
"AOPT_FIELD3": "",	Full Vessel Voyage
"AOPT_FIELD4": "",	Shipment Mode
"AOPT_FIELD5": "",	Bill of Lading
"AOPT_FIELD6": "",	Port of Loading
"AOPT_FIELD7": "",	Vehicle ID
"AOPT_FIELD8": "",	Port of Discharge
"AOPT_FIELD9": "",	
"AOPT_FIELD10": "",	
"AOPT_FIELD11": "",	
"AOPT_FIELD12": "",	
"AOPT_FIELD13": "",	
"AOPT_FIELD14": "",	
"AOPT_FIELD15": "",	
"AOPT_DEC_FIELD1": 0.00000,	Freight Charge
"AOPT_DEC_FIELD2": 0.00000,	Insurance Charge
"AOPT_DATE_FIELD1": "2025-02-10 18:00:00",	Date of Unstuff
"AOPT_DATE_FIELD2": "2025-02-10 18:00:00",	
"AOPT_INT_FIELD1": 0,	
"AOPT_INT_FIELD2": 0	
"PO_LINE": [	
{	
"LINE_NO": 1,	Line Number
"ORIG_LINE_NO": 2882181,	Original Line No
"PROD_CODE": "P001",	Product Code
"QTY": 3.00000,	Qty Ordered
"UOM_CODE": "CTN",	UOM Code
"LOT_NO": "",	Lot Number
"PRODUCTION_DATE": "2025-02-10 18:00:00",	Production Date
"EXPIRY_DATE": "2025-02-10 18:00:00",	Expiry Date
"SERIAL_NO": "",	Serial Number
"LINE_REMARKS": "",	Line Remarks
"SO_LINE_NO": 0,	SO Line Number
"OPT_FIELD1": "",	DCode
"OPT_FIELD2": "SPZ",	Custom Lot No
"OPT_FIELD3": "",	CartonID
"OPT_FIELD4": "",	Country of Destination
"OPT_FIELD5": "",	Custom UOM
"OPT_FIELD6": "",	Actual Dimension
"OPT_FIELD7": "",	Actual Marks & No
"OPT_FIELD8": "",	

```
    "OPT_DEC_FIELD1": 0.00000,                    | Actual Volume
    "OPT_DEC_FIELD2": 0.00000,                    | Actual Weight
    "OPT_INT_FIELD1": 0,                          |
    "OPT_INT_FIELD2": 0,                          |
    "OPT_INT_FIELD3": 0,                          |
    "OPT_INT_FIELD4": 0,                          |
    "OPT_DATE_FIELD1": 0,                         |
    "OPT_DATE_FIELD2": 0,                         |
    "AOPT_FIELD1": "",                            | Line PO No
    "AOPT_FIELD2": "",                            | INV_CURRENCY
    "AOPT_FIELD3": "",                            |
    "AOPT_FIELD4": "",                            | Prod No.
    "AOPT_FIELD5": "",                            | TIN#
    "AOPT_FIELD6": "",                            |
    "AOPT_FIELD7": "",                            |
    "AOPT_FIELD8": "",                            |
    "AOPT_FIELD9": "",                            |
    "AOPT_FIELD10": "",                           |
    "AOPT_INT_FIELD1": 0,                         | Total PCS
    "AOPT_INT_FIELD2": 0,                         | Inner Deno
    "AOPT_DEC_FIELD1": 0.00000,                   | Total Invoice Amt
    "AOPT_DEC_FIELD2": 0.00000,                   | Net Price
    "AOPT_DATE_FIELD1": "2025-02-10 18:00:00",    |
    "AOPT_DATE_FIELD2": "2025-02-10 18:00:00"     |
},                                                |
{                                                 |
    "LINE_NO": 2,                                 | Line Number
    "ORIG_LINE_NO": 2882182,                      | Original Line No
    "PROD_CODE": "P002",                          | Product Code
    "QTY": 4.00000,                               | Qty Ordered
    "UOM_CODE": "CTN",                            | UOM Code
    "LOT_NO": "",                                 | Lot Number
    "PRODUCTION_DATE": "2025-02-10 18:00:00",     | Production Date
    "EXPIRY_DATE": "2025-02-10 18:00:00",         | Expiry Date
    "SERIAL_NO": "",                              | Serial Number
    "LINE_REMARKS": "",                           | Line Remarks
    "SO_LINE_NO": 0,                              | SO Line Number
    "OPT_FIELD1": "",                             | DCode
    "OPT_FIELD2": "SPZ",                          | Custom Lot No
    "OPT_FIELD3": "",                             | CartonID
    "OPT_FIELD4": "",                             | Country of Destination
    "OPT_FIELD5": "",                             | Custom UOM
    "OPT_FIELD6": "",                             | Actual Dimension
    "OPT_FIELD7": "",                             | Actual Marks & No
    "OPT_FIELD8": "",                             |
```

```
        "OPT_DEC_FIELD1": 0.00000,              Actual Volume
        "OPT_DEC_FIELD2": 0.00000,              Actual Weight
        "OPT_INT_FIELD1": 0,
        "OPT_INT_FIELD2": 0,
        "OPT_INT_FIELD3": 0,
        "OPT_INT_FIELD4": 0,
        "OPT_DATE_FIELD1": "2025-02-10 18:00:00",
        "OPT_DATE_FIELD2": "2025-02-10 18:00:00",
        "AOPT_FIELD1": "",                      Line PO No
        "AOPT_FIELD2": "",                      INV_CURRENCY
        "AOPT_FIELD3": "",
        "AOPT_FIELD4": "",                      Prod No.
        "AOPT_FIELD5": "",                      TIN#
        "AOPT_FIELD6": "",
        "AOPT_FIELD7": "",
        "AOPT_FIELD8": "",
        "AOPT_FIELD9": "",
        "AOPT_FIELD10": "",
        "AOPT_INT_FIELD1": 0,                   Total PCS
        "AOPT_INT_FIELD2": 0,                   Inner Deno
        "AOPT_DEC_FIELD1": 0.00000,             Total Invoice Amt
        "AOPT_DEC_FIELD2": 0.00000,             Net Price
        "AOPT_DATE_FIELD1": "2025-02-10 18:00:00",
        "AOPT_DATE_FIELD2": "2025-02-10 18:00:00"
      }                                         Sub-Element
    ]
  }
 ]
}
```

Response structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	PO Number	CHAR(10)	YES	PO Number	
2	ASN Number	CHAR(30)	YES	ASN number	
3	Container No	CHAR(128)	YES	Container number	
4	SOURCE_SYSTEM_ID	INT	YES	Will be added for ASN that created by API	
5	Error Message	CHAR(3000)	YES	Header error message	
6	Success Message	CHAR(3000)	YES	Header success message	
7	Status	CHAR(10)	YES	Status of the request	SUCCEED FAILED
8	Orig Line No	INT	YES	Host system line number	
9	Product Code	CHAR(25)	YES	Product Code	
10	Error Message	CHAR(3000)	YES	Detail error message	
11	Success Message	CHAR(3000)	YES	Detail success message	

Response sample:

JSON STRUCTURES	SPECIFICATION
{	
"PO_ACK":	Root
[	Array of Object
{	
"PO_NO": "PO20180727-01",	PO Number
"ASN_NO": "23113",	ASN Number
"CONTAINER_NO": "ITCU1172047",	Container Number
"SOURCE_SYSTEM_ID": 0,	Source System ID
"STATUS": "FAILED",	Status
"MESSAGE": "",	Error Message
"PO_LINE_ACK": [	
{	
"ORIG_LINE_NO": 2882182,	Line Number
"PROD_CODE": "P002",	Product Code
"MESSAGE": "[140] – PRODUCT CODE DOES NOT EXIST!"	Error Message
},	
{	
"ORIG_LINE_NO": 2882183,	Line Number
"PROD_CODE": "P002",	Product Code
"MESSAGE ": "[140] – PRODUCT CODE DOES NOT EXIST!"	Error Message
}	
]	
},	
{	
"PO_NO": "PO20180727-02",	PO Number
"ASN_NO": "23114",	ASN Number
"CONTAINER_NO": "ITCU1172048",	Container Number
"SOURCE_SYSTEM_ID": 0,	Source System ID
"STATUS": "FAILED",	Status
"MESSAGE": "",	Error Message
"PO_LINE_ACK": [	
{	
"ORIG_LINE_NO": 2882184,	Line Number
"PROD_CODE": "P002",	Product Code
"MESSAGE": "[140] – PRODUCT CODE DOES NOT EXIST!"	Error Message
},	
{	
"ORIG_LINE_NO": 2882185,	Line Number
"PROD_CODE": "P002",	Product Code
"MESSAGE": "[140] – PRODUCT CODE DOES NOT EXIST!"	Error Message
}	
]	
}	
]	

```
}
```

1.2 GRN

Purpose of this message to inform Host on received goods in WMS.

Remarks:
1. Single ASN can have multiple GRN
2. Product attributes such as Lot No, Serial No, Expiry Date, Production Date only returned if the control in product master is enabled
3. WMS will send GRN interface, when GRN closed.

Download can only be done once. If you want to download again without processing a return, you can ask the support team.

Bellow the configuration GRN:

General	
Method	POST
URL	https://ppcargocliqueapi.azurewebsites.net/api/public/inbound/lcl/receive
Desc	API Download GRN
Remark	

Header			
Field	Type	Value	Description
Content-Type		application/json	
	String	8507d8c2-9b4c-4759-a5a3-ab65db57d75d	API Key for GRN Please provide field and value

Request structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	Owner Code	CHAR(10)	YES	Owner of the goods	
2	Warehouse Code	CHAR(10)	YES	Warehouse Code	
3	ASN No	CHAR(30)	YES	ASN No	
4	Transaction Code	CHAR(10)	YES	Code that represent type of the transaction, e.g.: PO	
5	PO Number	CHAR(30)	YES	PO Number / Host Order No	
6	GRN Number	CHAR(30)	YES	Receipt Number	
7	Reference No	CHAR(20)	YES	Reference Number	
8	GRN Date	DATETIME	YES	GRN Date	
9	Container Details	CHAR(128)	YES	Container information, such as container number	
10	Additional Optional Date Field 1	DATETIME	NO	Date of Unstuff	
11	Line Number	INT	YES	Line Number	
12	Original Line Number	INT	YES	Host system line number	
13	Product Code	CHAR(25)	YES	Product Code	
14	Qty Ordered	DECIMAL(18,5)	YES	Quantity ordered	
15	Qty Received	DECIMAL(18,5)	YES	Total quantity received in loose	
16	Inventory Status	CHAR(10)	YES	Zone of delivery address	
17	Expiry Date	DATETIME	NO	Expiry Date received	

#	Field Name	Type	Mandatory	Description	List of Value
18	Lot Number	CHAR(25)	NO	Lot number received	
19	Serial No	CHAR(25)	NO	Serial number received	
20	Production Date	DATETIME	NO	Production date received	
21	Optional Field 1	NVARCHAR(50)	NO	DCode	
22	Optional Field 2	NVARCHAR(50)	NO	Custom Lot No	
23	Optional Field 3	NVARCHAR(50)	NO	CartonID	
24	Optional Field 4	NVARCHAR(50)	NO	Country of Destination	
25	Optional Field 5	NVARCHAR(50)	NO	Custom UOM	
26	Optional Field 6	NVARCHAR(50)	NO	Actual Dimension	
27	Optional Field 7	NVARCHAR(50)	NO	Actual Marks & No	
28	Optional Field 8	NVARCHAR(50)	NO		
29	Optional Dec Field 1	DECIMAL(18,5))	NO	Actual Volume	
30	Optional Dec Field 2	DECIMAL(18,5))	NO	Actual Weight	
31	Optional Int Field 1	INT	NO		
32	Optional Int Field 2	INT	NO		
33	Optional Int Field 3	INT	NO		
34	Optional Int Field 4	INT	NO		
35	Optional Date Field 1	DATETIME	NO		
36	Optional Date Field 2	DATETIME	NO		
37	Additional Optional Field 1	NVARCHAR(50)	NO	Line PO No	
38	Additional Optional Field 2	NVARCHAR(50)	NO	Package No.	
39	Additional Optional Field 3	NVARCHAR(50)	NO	ASG No.	
40	Additional Optional Field 4	NVARCHAR(50)	NO		
41	Additional Optional Field 5	NVARCHAR(50)	NO		
42	Additional Optional Field 6	NVARCHAR(50)	NO		
43	Additional Optional Dec Field 1	DECIMAL(18,5))	NO		
44	Additional Optional Dec Field 2	DECIMAL(18,5))	NO		
45	Additional Optional Date Field 1	DATETIME	NO		
46	Additional Optional Date Field 2	DATETIME	NO		
47	Additional Optional Int Field 1	INT	NO		
48	Additional Optional Int Field 2	INT	NO		

Request sample:

JSON STRUCTURE	SPECIFICATION
{	
"GRN":	Root
[	Array of Object

{	
"OWNER_CODE": "NIPRO",	Owner Code
"WHS_CODE": "24RPA",	Warehouse Code
"ASN_NO": "",	ASN Number
"TRANS_CODE": "PO",	Transaction Code
"PO_NO": "PO20180727-01",	PO Number
"GRN_NO": "R18000021",	GRN Number
"REF_NO": "",	Reference Number
"GRN_DATE": "2025-02-10 18:00:00",	GRN Date
"CONTAINER_NO": "",	Container Number
"AOPT_DATE_FIELD1": "2025-02-10 18:00:00"	Date of Unstuff
"GRN_LINE": [	
{	
"ORIG_LINE_NO": 2881821,	Original Line Number
"PROD_CODE": "P001",	Product Code
"QTY_ORDERED": 0.00000,	Qty Ordered
"QTY_RECEIVED": 0.00000,	Qty Received
"UOM_CODE": "CTN",	UOM Code
"INV_STATUS": "G",	Inventory Status
"LOT_NO": "X012901",	Lot Number
"SERIAL_NO": "9998123791872388",	Serial Number
"EXPIRY_DATE": "2025-02-10 18:00:00",	Expiry Date
"OPT_FIELD1": "",	DCode
"OPT_FIELD2": "",	Custom Lot No
"OPT_FIELD3": "",	CartonID
"OPT_FIELD4": "",	Country of Destination
"OPT_FIELD5": "",	Custom UOM
"OPT_FIELD6": "",	Actual Dimension
"OPT_FIELD7": "",	Actual Marks & No
"OPT_FIELD8": "",	
"OPT_DEC_FIELD1": 0.00000,	Actual Volume
"OPT_DEC_FIELD2": 0.00000,	Actual Weight
"OPT_INT_FIELD1": 0,	
"OPT_INT_FIELD2": 0,	
"OPT_INT_FIELD3": 0,	
"OPT_INT_FIELD4": 0,	
"OPT_DATE_FIELD1": "2025-02-10 18:00:00",	
"OPT_DATE_FIELD2": "2025-02-10 18:00:00",	
"AOPT_FIELD1": "",	Line PO No
"AOPT_FIELD2": "",	Package No.
"AOPT_FIELD3": "",	ASG No.
"AOPT_FIELD4": "",	
"AOPT_FIELD5": "",	
"AOPT_FIELD6": "",	
"AOPT_DEC_FIELD1": 0.00000,	

```
        "AOPT_DEC_FIELD2": 0.00000,
        "AOPT_DATE_FIELD1": "2025-02-10 18:00:00",
        "AOPT_DATE_FIELD2": "2025-02-10 18:00:00",
        "AOPT_INT_FIELD1": 0,
        "AOPT_INT_FIELD2": 0
    },
    {
        "ORIG_LINE_NO": 2881822,                    Original Line Number
        "PROD_CODE": "P001",                        Product Code
        "QTY_ORDERED": 3.00000,                     Qty Ordered
        "QTY_RECEIVED": 1.00000,                    Qty Received
        "UOM_CODE": "CTN",                          UOM Code
        "INV_STATUS": "G",                          Inventory Status
        "LOT_NO": "X012901",                        Lot Number
        "SERIAL_NO": "9998123712312388"             Serial Number
        "OPT_FIELD1": "",                           DCode
        "OPT_FIELD2": "",                           Custom Lot No
        "OPT_FIELD3": "",                           CartonID
        "OPT_FIELD4": "",                           Country of Destination
        "OPT_FIELD5": "",                           Custom UOM
        "OPT_FIELD6": "",                           Actual Dimension
        "OPT_FIELD7": "",                           Actual Marks & No
        "OPT_FIELD8": "",
        "OPT_DEC_FIELD1": 0.00000,                  Actual Volume
        "OPT_DEC_FIELD2": 0.00000,                  Actual Weight
        "OPT_INT_FIELD1": 0,
        "OPT_INT_FIELD2": 0,
        "OPT_INT_FIELD3": 0,
        "OPT_INT_FIELD4": 0,
        "OPT_DATE_FIELD1": "2025-02-10 18:00:00",
        "OPT_DATE_FIELD2": "2025-02-10 18:00:00",
        "AOPT_FIELD1": "",                          Line PO No
        "AOPT_FIELD2": "",                          Package No.
        "AOPT_FIELD3": "",                          ASG No.
        "AOPT_FIELD4": "",
        "AOPT_FIELD5": "",
        "AOPT_FIELD6": "",
        "AOPT_DEC_FIELD1": 0.00000,
        "AOPT_DEC_FIELD2": 0.00000,
        "AOPT_DATE_FIELD1": "2025-02-10 18:00:00",
        "AOPT_DATE_FIELD2": "2025-02-10 18:00:00",
        "AOPT_INT_FIELD1": 0,
        "AOPT_INT_FIELD2": 0
    },
    {
```

```
        "ORIG_LINE_NO": 2881823,                    Original Line Number
        "PROD_CODE": "P002",                        Product Code
        "QTY_ORDERED": 5.00000,                     Qty Ordered
        "QTY_RECEIVED": 5.00000,                    Qty Received
        "UOM_CODE": "CTN",                          UOM Code
        "INV_STATUS": "G",                          Inventory Status
        "LOT_NO": "X012901",                        Lot Number
        "EXPIRY_DATE": "27/07/2020"                 Expiry Date
        "OPT_FIELD1": "",                           DCode
        "OPT_FIELD2": "",                           Custom Lot No
        "OPT_FIELD3": "",                           CartonID
        "OPT_FIELD4": "",                           Country of Destination
        "OPT_FIELD5": "",                           Custom UOM
        "OPT_FIELD6": "",                           Actual Dimension
        "OPT_FIELD7": "",                           Actual Marks & No
        "OPT_FIELD8": "",
        "OPT_DEC_FIELD1": 0.00000,                  Actual Volume
        "OPT_DEC_FIELD2": 0.00000,                  Actual Weight
        "OPT_INT_FIELD1": 0,
        "OPT_INT_FIELD2": 0,
        "OPT_INT_FIELD3": 0,
        "OPT_INT_FIELD4": 0,
        "OPT_DATE_FIELD1": "2025-02-10 18:00:00",
        "OPT_DATE_FIELD2": "2025-02-10 18:00:00",
        "AOPT_FIELD1": "",                          Line PO No
        "AOPT_FIELD2": "",                          Package No.
        "AOPT_FIELD3": "",                          ASG No.
        "AOPT_FIELD4": "",
        "AOPT_FIELD5": "",
        "AOPT_FIELD6": "",
        "AOPT_DEC_FIELD1": 0.00000,
        "AOPT_DEC_FIELD2": 0.00000,
        "AOPT_DATE_FIELD1": "2025-02-10 18:00:00",
        "AOPT_DATE_FIELD2": "2025-02-10 18:00:00",
        "AOPT_INT_FIELD1": 0,
        "AOPT_INT_FIELD2": 0
      }
    ]
  }
 ]
}
```

Response structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	Owner Code	CHAR(10)	YES	Owner of the goods	

#	Field Name	Type	Mandatory	Description	List of Value
2	ASN Number	CHAR(30)	YES	ASN number	
3	PO Number	CHAR(30)	YES	PO Number / Host Order No	
4	GRN Number	CHAR(30)	YES	Receipt Number	
5	Status	CHAR(10)	YES	Status of the request	SUCCEED FAILED
6	Error Message	CHAR(3000)	YES	Header error message	
7	Success Message	CHAR(3000)	YES	Header success message	
8	Product Code	CHAR(25)	YES	Product Code	
9	Line No	INT	YES	Line Number	
10	Error Message	CHAR(3000)	YES	Detail error message	
11	Success Message	CHAR(3000)	YES	Detail success message	

Response sample:

JSON STRUCTURE	SPECIFICATION
{	
"GRN_ACK":	Root
[	Array of Object
{	
"OWNER_CODE": "NIPRO",	Owner Code
"ASN_NO": "",	ASN Number
"PO_NO": "PO20180727-01",	PO Number
"GRN_NO": "R18000021",	GRN Number
"STATUS": "FAILED",	Status
"MESSAGE": "",	Error Message
"GRN_LINE_ACK": [	
{	
"LINE_NO": 1,	Line No
"PROD_CODE": "P001",	Product Code
"MESSAGE": "USER_ERROR: INVALID INV STATUS."	Error Message
},	
{	
"LINE_NO": 2,	Line No
"PROD_CODE": "P002",	Product Code
"MESSAGE": "USER_ERROR: INVALID INV STATUS."	Error Message
},	
{	
"LINE_NO": 3,	Line No
"PROD_CODE": "P002",	Product Code
"MESSAGE": "USER_ERROR: INVALID INV STATUS."	Error Message
}	
]	
}	
]	
}	

1.3 SO JSON Request

Purpose of this message to inform WMS on newly created or updated Shipment Order.

Remarks:
1. Host should only download confirmed/approved/released orders
2. Requested attributes such as lot number, expiry date, serial number, production date, will force WMS to only allocate the requested attributes

Bellow the configuration SO Request:

General	
Method	POST
URL	https://www.cargoclique.com/psawebapi/api/so_json/post
Desc	API Upload SO Instruction
Remark	URL Non-Live Environment : https://pcssgtest.cargoclique.com/psawebapi_training/api/so_json date format: YYYY-MM-DD hh:mm:ss

Header			
Field	Type	Value	Description
Content-Type		application/json	
Authorization	String	4B3BCB93-9CBF-4046-A2F0-71247B0FCABB	API Key

Request structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	Command	CHAR(20)	YES	Command	
2	Owner Code	CHAR(10)	YES	Owner of the goods	
3	Warehouse Code	CHAR(10)	YES	Warehouse Code	
4	SOURCE_SYSTEM_ID	INT	YES	Source System ID	
5	Order Reference	CHAR(25)	YES	Order Reference / Host Order No	
6	Allocation Type	CHAR(30)	NO	Allocation Type	
7	Order No	CHAR(30)	NO	Order No is field for update purpose	
8	Customer PO	CHAR(25)	NO	Customer placed PO No	
9	Transaction Code	CHAR(10)	YES	Code to represent transaction type e.g.: SO	
10	Customer Code	CHAR(10)	YES	Customer Code	
11	Customer Name	CHAR(128)	NO	Name of Customer	
12	Address no	CHAR(10)	YES	Code of delivery address	
13	Address 1	CHAR(256)	YES	Address line 1	
14	Address 2	CHAR(256)	NO	Address line 2	
15	Address 3	CHAR(256)	NO	Address line 3	
16	Zip Code	CHAR(20)	NO	Postal Code / Zip Code	
17	Delivery City	CHAR(50)	NO	Delivery City	

#	Field Name	Type	Mandatory	Description	List of Value
18	Delivery Country Code	CHAR(10)	NO	Delivery Country Code	
19	Delivery Zone	CHAR(20)	NO	Zone of Delivery	
20	Delivery Route	CHAR(20)	NO	Route of Delivery	
21	Delivery Type	CHAR(20)	NO	Delivery Type / Method	
22	Order Date	DATETIME	YES	Document Date	
23	Delivery Date	DATETIME	NO	Delivery Date	
24	Requested Delivery Date	DATETIME	NO	Requested date of delivery	
25	Remarks 1	CHAR(128)	NO	Remarks 1	
26	Remarks 2	CHAR(128)	NO	Remarks 2	
27	PSA Permit	BOOLEAN	NO	PSA Permit	
28	Allocated Qty	BOOLEAN	NO	Allocated Qty	
29	Pack Before Shipment	BOOLEAN	NO	Pack Before Shipment	
30	On Hold	BOOLEAN	NO	On Hold	
31	Shipment Mode	CHAR(30)	NO	Shipment Mode	
32	Additional Optional Field 1	NVARCHAR(50)	NO	Permit No.	
33	Additional Optional Field 2	NVARCHAR(50)	NO	Shipping Marks	
34	Additional Optional Field 3	NVARCHAR(50)	NO	Stuffing Start Datetime	
35	Additional Optional Field 4	NVARCHAR(50)	NO	Stuffing End Datetime	
36	Additional Optional Field 5	NVARCHAR(50)	NO	Whs Comment	
37	Additional Optional Field 6	NVARCHAR(50)	NO	Consignment No	
38	Additional Optional Field 7	NVARCHAR(50)	NO	PSA Pass / Contact	
39	Additional Optional Field 8	NVARCHAR(50)	NO	Payment Mode	
40	Additional Optional Field 9	NVARCHAR(50)	NO	Port of Loading	
41	Additional Optional Field 10	NVARCHAR(50)	NO	Seq Number	
42	Additional Optional Field 11	NVARCHAR(50)	NO		
43	Additional Optional Field 12	NVARCHAR(50)	NO		
44	Additional Optional Field 13	NVARCHAR(50)	NO		
45	Additional Optional Field 14	NVARCHAR(50)	NO		
46	Additional Optional Field 15	NVARCHAR(50)	NO		
47	Additional Optional Int Field 1	INT	NO		
48	Additional Optional Int Field 2	INT	NO		
49	Additional Optional Int Field 3	INT	NO		
50	Additional Optional Int Field 4	INT	NO		
51	Additional	INT	NO		

#	Field Name	Type	Mandatory	Description	List of Value
	Optional Int Field 5				
52	Additional Optional Int Field 6	INT	NO		
53	Additional Optional Int Field 7	INT	NO		
54	Additional Optional Int Field 8	INT	NO		
55	Additional Optional Int Field 9	INT	NO		
56	Additional Optional Int Field 10	INT	NO		
57	Additional Optional Dec Field 1	DECIMAL(18,5))	NO		
58	Additional Optional Dec Field 2	DECIMAL(18,5))	NO		
59	Additional Optional Dec Field 3	DECIMAL(18,5))	NO		
60	Additional Optional Dec Field 4	DECIMAL(18,5))	NO		
61	Additional Optional Dec Field 5	DECIMAL(18,5))	NO		
62	Additional Optional Dec Field 6	DECIMAL(18,5))	NO		
63	Additional Optional Dec Field 7	DECIMAL(18,5))	NO		
64	Additional Optional Dec Field 8	DECIMAL(18,5))	NO		
65	Additional Optional Dec Field 9	DECIMAL(18,5))	NO		
66	Additional Optional Dec Field 10	DECIMAL(18,5))	NO		
67	Additional Optional Date Field 1	DATETIME	NO	GTS Date	
68	Additional Optional Date Field 2	DATETIME	NO		
69	Additional Optional Date Field 3	DATETIME	NO	Picking Complete Datetime	
70	Additional Optional Date Field 4	DATETIME	NO		
71	Additional Optional Date Field 5	DATETIME	NO		

#	Field Name	Type	Mandatory	Description	List of Value
72	Additional Optional Date Field 6	DATETIME	NO		
73	Additional Optional Date Field 7	DATETIME	NO		
74	Additional Optional Date Field 8	DATETIME	NO		
75	Additional Optional Date Field 9	DATETIME	NO		
76	Additional Optional Date Field 10	DATETIME	NO		
77	Trucking Line Number	INT	YES	Trucking Line Number	
78	DO Date	DATETIME	NO	DO Date	
79	ETA Date	DATETIME	NO	ETA Date	
80	Driver 1	CHAR(50)	NO	Driver 1 information	
81	Driver 2	CHAR(50)	NO	Driver 2 information	
82	Vehicle id	CHAR(30)	NO	Vehicle id	
83	Container Size	CHAR(5)	NO	Container size information (20, 40, 45)	
84	Container Type	CHAR(5)	NO	Container type (DC, FR, GP, HC, LR, OT, RF, TK, TR)	
85	Container No	CHAR(15)	NO	Container number information	
86	Voyage No	CHAR(50)	NO	Voyage	
87	Seal No	CHAR(50)	NO	Seal number	
88	Transporter	CHAR(50)	NO	Transporter	
89	Shipment Remarks	CHAR(256)		Shipment remarks	
90	Vessel Name	NVARCHAR(160)	NO	Vessel Name	
91	Courier Time Slot	CHAR(20)	NO	Courier Time Slot	
92	Courier Code	NVARCHAR(20)	NO	Courier Code	
93	Courier PickUp Date	DATETIME	NO	Courier PickUp Date	
94	Permit No	NVARCHAR(100)	NO	Permit Number	
95	AWB No	NVARCHAR(60)	NO	AWB Number	
96	Line Number	NULL	YES	Line Number	
97	Original Line Number	NULL	YES	Host system line number	
98	Product Code	CHAR(25)	YES	Product Code	
99	Lot Number	CHAR(25)	NO	Requested Lot Number	
100	Serial Number	CHAR(25)	NO	Requested Serial Number	
101	Expiry Date	DATETIME	NO	Requested Expiry Date	
102	Exclude Expiry Date	DATETIME	NO	Request expiry date limitation. System will only allocate item with expiry date later that the requested date	
103	Production Date	DATETIME	NO	Requested production date	
104	Line Remarks	CHAR(128)	NO	Line remarks	
105	ASN Number	CHAR(25)	NO	Requested ASN Number	
106	PO Number	CHAR(25)	NO	Requested PO Number	
107	Location Code	CHAR(25)	NO	Requested Location Code	
108	Inventory Status	CHAR(10)	NO	Requested Inventory Status	
109	Qty Ordered	DECIMAL(18,5)	YES	Ordered quantity to ship	
110	UOM Code	CHAR(10)	YES	Unit of Measurement	

#	Field Name	Type	Mandatory	Description	List of Value
111	Optional Field 1	NVARCHAR(50)	NO	DCode	
112	Optional Field 2	NVARCHAR(50)	NO	Custom Lot No	
113	Optional Field 3	NVARCHAR(50)	NO	CartonID	
114	Optional Field 4	NVARCHAR(50)	NO	Country of Destination	
115	Optional Field 5	NVARCHAR(50)	NO	Custom UOM	
116	Optional Field 6	NVARCHAR(50)	NO	Actual Dimension	
117	Optional Field 7	NVARCHAR(50)	NO	Actual Marks & No	
118	Optional Field 8	NVARCHAR(50)	NO		
119	Optional Dec Field 1	DECIMAL(18,5))	NO	Actual Volume	
120	Optional Dec Field 2	DECIMAL(18,5))	NO	Actual Weight	
121	Optional Int Field 1	INT	NO		
122	Optional Int Field 2	INT	NO		
123	Optional Int Field 3	INT	NO		
124	Optional Int Field 4	INT	NO		
125	Optional Date Field 1	DATETIME	NO		
126	Optional Date Field 2	DATETIME	NO		
127	Additional Optional Field 1	NVARCHAR(50)	NO	Line Ref#	
128	Additional Optional Field 2	NVARCHAR(50)	NO	TO#	
129	Additional Optional Field 3	NVARCHAR(50)	NO		
130	Additional Optional Field 4	NVARCHAR(50)	NO		
131	Additional Optional Field 5	NVARCHAR(50)	NO	Cfs Whs	
132	Additional Optional Field 6	NVARCHAR(50)	NO		
133	Additional Optional Field 7	NVARCHAR(50)	NO		
134	Additional Optional Field 8	NVARCHAR(50)	NO		
135	Additional Optional Field 9	NVARCHAR(50)	NO		
136	Additional Optional Field 10	NVARCHAR(50)	NO		
137	Additional Optional Date Field 1	DATETIME	NO	Unstuffing Date	
138	Additional Optional Date Field 2	DATETIME	NO		
139	Additional Optional Int Field 1	INT	NO		
140	Additional Optional Int Field 2	INT	NO		
141	Additional Optional Dec Field 1	DECIMAL(18,5)	NO		
142	Additional	DECIMAL(18,5)	NO		

#	Field Name	Type	Mandatory	Description	List of Value
	Optional Dec Field 2				

Request sample:

JSON STRUCTURE	SPECIFICATION
{	
"ORDER": [	Root
{	Sub-Element
"COMMAND": "",	Command
"OWNER_CODE": "NIPRO",	Owner Code
"WHS_CODE": "24PRA",	Warehouse Code
"SOURCE_SYSTEM_ID": 0,	Source System ID
"ORDER_REF": "S1807-00022",	Order Reference
"ALLOCATION_TYPE": "FIFO",	Allocation Type
"ORDER_NO": "",	Order Number
"CUST_PO": "",	Customer PO
"TRANS_CODE": "SO",	Transaction Code
"CUST_CODE": "NIPRO",	Customer Code
"CUST_NAME": "NIPRO ASIA PTE LTD",	Customer Name
"ADDRESS_NO": "NIPRO",	Address No
"ADDRESS1": "6 TEMASEK BOULEVARD",	Address 1
"ADDRESS2": "",	Address 2
"ADDRESS3": "",	Address 3
"ZIP_CODE": "38986",	Zip Code
"DELIVERY_CITY": "",	Delivery City
"DELIVERY_COUNTRY": "",	Delivery Country
"DELIVERY_ZONE": "",	Delivery Zone
"DELIVERY_ROUTE": "",	Delivery Route
"DELIVERY_TYPE": "",	Delivery Type
"ORDER_DATE": "2025-02-10 18:00:00",	Order Type
"DELIVERY_DATE": "2025-02-10 18:00:00",	Delivery Date
"REQ_DELIVERY_DATE": "2025-02-10 18:00:00",	Requested Delivery Date
"REMARKS1": "",	Remarks 1
"REMARKS2": "",	Remarks 2
"PSA_PERMIT": FALSE,	PSA Permit
"ALLOCATED_QTY": FALSE,	Allocated Qty
"PACK_BEFORE_SHIP": FALSE,	Pack Before Shipment
"ON_HOLD": FALSE,	On Hold
"SHIPMENT_MODE": "",	Shipment Mode
"AOPT_FIELD1": "",	Permit No
"AOPT_FIELD2": "",	Shipping Marks
"AOPT_FIELD3": "",	Stuffing Start Datetime
"AOPT_FIELD4": "",	Stuffing End Datetime
"AOPT_FIELD5": "",	Whs Comment

"AOPT_FIELD6": "",	Consignment No
"AOPT_FIELD7": "",	PSA Pass / Contact
"AOPT_FIELD8": "",	Payment Mode
"AOPT_FIELD9": "",	Port of Loading
"AOPT_FIELD10": "",	Seq Number
"AOPT_FIELD11": "",	
"AOPT_FIELD12": "",	
"AOPT_FIELD13": "",	
"AOPT_FIELD14": "",	
"AOPT_FIELD15": "",	
"AOPT_INT_FIELD1": 0,	
"AOPT_INT_FIELD2": 0,	
"AOPT_INT_FIELD3": 0,	
"AOPT_INT_FIELD4": 0,	
"AOPT_INT_FIELD5": 0,	
"AOPT_INT_FIELD6": 0,	
"AOPT_INT_FIELD7": 0,	
"AOPT_INT_FIELD8": 0,	
"AOPT_INT_FIELD9": 0,	
"AOPT_INT_FIELD10": 0,	
"AOPT_DEC_FIELD1": 0.00000,	
"AOPT_DEC_FIELD2": 0.00000,	
"AOPT_DEC_FIELD3": 0.00000,	
"AOPT_DEC_FIELD4": 0.00000,	
"AOPT_DEC_FIELD5": 0.00000,	
"AOPT_DEC_FIELD6": 0.00000,	
"AOPT_DEC_FIELD7": 0.00000,	
"AOPT_DEC_FIELD8": 0.00000,	
"AOPT_DEC_FIELD9": 0.00000,	
"AOPT_DEC_FIELD10": 0.00000,	
"AOPT_DATE_FIELD1": "2025-02-10 18:00:00",	GTS Date
"AOPT_DATE_FIELD2": "2025-02-10 18:00:00",	
"AOPT_DATE_FIELD3": "2025-02-10 18:00:00",	Picking Complete Datetime
"AOPT_DATE_FIELD4": "2025-02-10 18:00:00",	
"AOPT_DATE_FIELD5": "2025-02-10 18:00:00",	
"AOPT_DATE_FIELD6": "2025-02-10 18:00:00",	
"AOPT_DATE_FIELD7": "2025-02-10 18:00:00",	
"AOPT_DATE_FIELD8": "2025-02-10 18:00:00",	
"AOPT_DATE_FIELD9": "2025-02-10 18:00:00",	
"AOPT_DATE_FIELD10": "2025-02-10 18:00:00"	
"TRUCKING": [	Sub-Element
{	Sub-Element
"TRUCKING_LINE_NO": 1,	Trucking Line Number
"DO_DATE": "2025-02-10 18:00:00",	DO Date
"ETA_DATE": "2025-02-10 18:00:00",	ETA Date

`"DRIVER1": "",`	Driver 1
`"DRIVER2": "",`	Driver 2
`"VEHICLE_ID": "",`	Vehicle ID
`"VESSEL_NAME": "",`	Vessel Name
`"CONTAINER_SIZE": "",`	Container Size
`"CONTAINER_TYPE": "",`	Container Type
`"CONTAINER_NO": "",`	Container Number
`"COURIER_TIME_SLOT": "",`	Courier Time Slot
`"COURIER_CODE": "",`	Courier Code
`"COURIER_PICK_UP_DATE": "2025-02-10 18:00:00",`	Courier PickUp Date
`"PERMIT_NO": "",`	Permit Number
`"VOYAGE_NO": "",`	Voyage Number
`"SEAL_NO": "",`	Seal Number
`"AWB_NO": "",`	AWB Number
`"TRANSPORTER": "",`	Transporter
`"REMARKS": ""`	Shipment Remarks
`},`	Sub-Element
`{`	Sub-Element
`"TRUCKING_LINE_NO": 2,`	Trucking Line Number
`"DO_DATE": "2025-02-10 18:00:00",`	DO Date
`"ETA_DATE": "2025-02-10 18:00:00",`	ETA Date
`"DRIVER1": "",`	Driver 1
`"DRIVER2": "",`	Driver 2
`"VEHICLE_ID": "",`	Vehicle ID
`"VESSEL_NAME": "",`	Vessel Name
`"CONTAINER_SIZE": "",`	Container Size
`"CONTAINER_TYPE": "",`	Container Type
`"CONTAINER_NO": "",`	Container Number
`"COURIER_TIME_SLOT": "",`	Courier Time Slot
`"COURIER_CODE": "",`	Courier Code
`"COURIER_PICK_UP_DATE": "2025-02-10 18:00:00",`	Courier PickUp Date
`"PERMIT_NO": "",`	Permit Number
`"VOYAGE_NO": "",`	Voyage Number
`"SEAL_NO": "",`	Seal Number
`"AWB_NO": "",`	AWB Number
`"TRANSPORTER": "",`	Transporter
`"REMARKS": ""`	Shipment Remarks
`}`	Sub-Element
`],`	
`"ORDER_LINE": [`	Sub-Element
`{`	Sub-Element
`"LINE_NO": 1,`	Line Number
`"ORIG_LINE_NO": 1,`	Original Line Number
`"PROD_CODE": "P001",`	Product Code
`"LOT_NO": "",`	Lot Number

JSON Field	Description
`"SERIAL_NO": "",`	Serial Number
`"EXPIRY_DATE": "2025-02-10 18:00:00",`	Expiry Date
`"EXC_EXPIRY_DATE": "2025-02-10 18:00:00",`	Exclude Expiry Date
`"PRODUCTION_DATE": "2025-02-10 18:00:00",`	Production Date
`"LINE_REMARKS": "",`	Line Remarks
`"ASN_NO": "",`	ASN Number
`"PO_NO": "",`	PO Number
`"LOC_CODE": "",`	Location Code
`"INV_STATUS": "",`	Inventory Status
`"QTY": 0.00000,`	Qty Ordered
`"UOM_CODE": "CTN",`	UOM Code
`"OPT_FIELD1": "",`	DCode
`"OPT_FIELD2": "",`	Custom Lot No
`"OPT_FIELD3": "",`	CartonID
`"OPT_FIELD4": "",`	Country of Destination
`"OPT_FIELD5": "",`	Custom UOM
`"OPT_FIELD6": "",`	Actual Dimension
`"OPT_FIELD7": "",`	Actual Marks & No
`"OPT_FIELD8": "",`	
`"OPT_DEC_FIELD1": 0.00000,`	Actual Volume
`"OPT_DEC_FIELD2": 0.00000,`	Actual Weight
`"OPT_INT_FIELD1": 0,`	
`"OPT_INT_FIELD2": 0,`	
`"OPT_INT_FIELD3": 0,`	
`"OPT_INT_FIELD4": 0,`	
`"OPT_DATE_FIELD1": "2025-02-10 18:00:00",`	
`"OPT_DATE_FIELD2": "2025-02-10 18:00:00",`	
`"AOPT_FIELD1": "",`	Line Ref#
`"AOPT_FIELD2": "",`	TO#
`"AOPT_FIELD3": "",`	
`"AOPT_FIELD4": "",`	
`"AOPT_FIELD5": "",`	Cfs Whs
`"AOPT_FIELD6": "",`	
`"AOPT_FIELD7": "",`	
`"AOPT_FIELD8": "",`	
`"AOPT_FIELD9": "",`	
`"AOPT_FIELD10": "",`	
`"AOPT_DATE_FIELD1": "2025-02-10 18:00:00",`	Unstuffing Date
`"AOPT_DATE_FIELD2": "2025-02-10 18:00:00",`	
`"AOPT_DEC_FIELD1": 0.00000,`	
`"AOPT_DEC_FIELD2": 0.00000,`	
`"AOPT_DEC_FIELD3": 0.00000,`	
`"AOPT_DEC_FIELD4": 0.00000,`	
`"AOPT_INT_FIELD1": 0,`	
`"AOPT_INT_FIELD2": 0`	

`},`	Sub-Element
`{`	Sub-Element
`"LINE_NO": 2,`	Line Number
`"ORIG_LINE_NO": 2,`	Original Line Number
`"PROD_CODE": "P002",`	Product Code
`"LOT_NO": "",`	Lot Number
`"SERIAL_NO": "",`	Serial Number
`"EXPIRY_DATE": "2025-02-10 18:00:00",`	Expiry Date
`"EXC_EXPIRY_DATE": "2025-02-10 18:00:00",`	Exclude Expiry Date
`"PRODUCTION_DATE": "2025-02-10 18:00:00",`	Production Date
`"LINE_REMARKS": "",`	Line Remarks
`"ASN_NO": "",`	ASN Number
`"PO_NO": "",`	PO Number
`"LOC_CODE": "",`	Location Code
`"INV_STATUS": "",`	Inventory Status
`"QTY": 0.00000,`	Qty Ordered
`"UOM_CODE": "CTN",`	UOM Code
`"OPT_FIELD1": "",`	DCode
`"OPT_FIELD2": "",`	Custom Lot No
`"OPT_FIELD3": "",`	CartonID
`"OPT_FIELD4": "",`	Country of Destination
`"OPT_FIELD5": "",`	Custom UOM
`"OPT_FIELD6": "",`	Actual Dimension
`"OPT_FIELD7": "",`	Actual Marks & No
`"OPT_FIELD8": "",`	
`"OPT_DEC_FIELD1": 0.00000,`	Actual Volume
`"OPT_DEC_FIELD2": 0.00000,`	Actual Weight
`"OPT_INT_FIELD1": 0,`	
`"OPT_INT_FIELD2": 0,`	
`"OPT_INT_FIELD3": 0,`	
`"OPT_INT_FIELD4": 0,`	
`"OPT_DATE_FIELD1": "2025-02-10 18:00:00",`	
`"OPT_DATE_FIELD2": "2025-02-10 18:00:00",`	
`"AOPT_FIELD1": "",`	Line Ref#
`"AOPT_FIELD2": "",`	TO#
`"AOPT_FIELD3": "",`	
`"AOPT_FIELD4": "",`	
`"AOPT_FIELD5": "",`	Cfs Whs
`"AOPT_FIELD6": "",`	
`"AOPT_FIELD7": "",`	
`"AOPT_FIELD8": "",`	
`"AOPT_FIELD9": "",`	
`"AOPT_FIELD10": "",`	
`"AOPT_DATE_FIELD1": "2025-02-10 18:00:00",`	Unstuffing Date
`"AOPT_DATE_FIELD2": "2025-02-10 18:00:00",`	

```
    "AOPT_DEC_FIELD1": 0.00000,
    "AOPT_DEC_FIELD2": 0.00000,
    "AOPT_DEC_FIELD3": 0.00000,
    "AOPT_DEC_FIELD4": 0.00000,
    "AOPT_INT_FIELD1": 0,
    "AOPT_INT_FIELD2": 0
      }                                               Sub-Element
    ]                                                 Sub-Element
  }                                                   Sub-Element
 ]                                                    Root
}                                                     Inventory Status
```

Response structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	Warehouse Code	CHAR(10)	YES	Owner of the goods	
2	Order Reference	CHAR(25)	YES	Order Reference / Host Order No	
3	Order No	CHAR(30)	YES	Order Number	
4	Status	CHAR(10)	YES	Status of the request	SUCCEED FAILED
5	Trucking Line No	INT	YES	Trucking line number	
6	Error Message	CHAR(3000)	YES	Header error message	
7	Success Message	CHAR(3000)	YES	Header success message	
8	Product Code	CHAR(25)	YES	Product Code	
9	Original Line No	INT	YES	Host system line number	
10	Qty Ordered	DECIMAL	YES	Ordered quantity to ship	
11	Error Message	CHAR(3000)	YES	Detail error message	
12	Success Message	CHAR(3000)	YES	Detail success message	

Response sample:

```
JSON STRUCTURE                                        SPECIFICATION
{
  "ORDER_ACK":                                        Sub-Element
  [                                                   Array of Object
   {
     "WHS_CODE": "24PRA",                             Warehouse Code
     "ORDER_REF": "S1807-00022",                      Order Reference
     "ORDER_NO": "11234",                             Order Number
     "STATUS": "FAILED",                              Status
     "MESSAGE": "",                                   Message
```

"TRUCKING_ACK":	Sub-Element Reference
[	
{	
"TRUCKING_LINE_NO": 1,	Trucking Line Number
"CONTAINER_NO": "",	Container Number
"MESSAGE": "TOTAL ERROR: 1 ERROR MSG:[271] - INVALID TYPE!"	Error Message
},	
{	
"TRUCKING_LINE_NO": 2,	Trucking Line Number
"CONTAINER_NO": "",	Container Number
"MESSAGE": "TOTAL ERROR: 1 ERROR MSG:[271] - INVALID TYPE!"	Error Message
}	
],	
"ORDER_LINE":	Sub-Element Reference
[	
{	
"ORIG_LINE_NO": 1,	Line Number
"PROD_CODE": "P001",	Product Code
"QTY": 30.00000,	Qty Ordered
"MESSAGE": "TOTAL ERROR: 1 ERROR MSG:[271] - INVALID UOM CODE!"	Error Message
},	
{	
"ORIG_LINE_NO": 2,	Line Number
"PROD_CODE": "P002",	Product Code
"QTY": 25.00000,	Qty Ordered
"MESSAGE": "[140] - PRODUCT CODE DOES NOT EXIST!"	Error Message
}	
]	
},	
{	
"WHS_CODE": "24PRA",	Warehouse Code
"ORDER_REF": "S1807-00023",	Order Reference
"ORDER_NO": "11235",	Order Number
"STATUS": "FAILED",	Status
"MESSAGE": "",	Message
"TRUCKING":	Sub-Element Reference
[	
{	
"TRUCKING_LINE_NO": 1,	Trucking Line Number
"CONTAINER_NO": "",	Container Number
"MESSAGE": "TOTAL ERROR: 1 ERROR MSG:[271] - INVALID TYPE!"	Error Message
},	
{	
"TRUCKING_LINE_NO": 2,	Trucking Line Number
"CONTAINER_NO": "",	Container Number

`"MESSAGE": "TOTAL ERROR: 1 ERROR MSG:[271] - INVALID TYPE!"`	Error Message
`        }`	
`    ],`	
`    "ORDER_LINE":`	Sub-Element Reference
`    [`	
`      {`	
`        "ORIG_LINE_NO": 1,`	Line Number
`        "PROD_CODE": "P003",`	Product Code
`        "QTY": 60.00000,`	Qty Ordered
`        "MESSAGE": "TOTAL ERROR: 1 ERROR MSG:[271] - INVALID UOM CODE!"`	Error Message
`      },`	Qty Ordered
`      {`	
`        "ORIG_LINE_NO": 2,`	Line Number
`        "PROD_CODE": "P004",`	Product Code
`        "QTY": 35.00000,`	Qty Ordered
`        "MESSAGE": "[140] - PRODUCT CODE DOES NOT EXIST!"`	Error Message
`      }`	Sub-Element
`    ]`	Sub-Element
`  }`	Sub-Element
`}`	Root

1.4 DO

Purpose of this message to inform Host on shipped goods in WMS.

Remarks:
1. Single SO can have multiple DO
2. Product attributes such as Lot No, Serial No, Expiry Date, Production Date only returned if the control in product master is enabled

Bellow the configuration DO:

General	
Method	POST
URL	https://ppcargocliqueapi.azurewebsites.net/api/public/outbound/lcl/stuffing
Desc	API Download DO
Remark	

Header			
Field	Type	Value	Description
Content-Type		application/json	
	String	8507d8c2-9b4c-4759-a5a3-ab65db57d75d	API Key for DO Please provide field and value

Request structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	Owner Code	CHAR(10)	YES	Owner of the goods	
2	Warehouse Code	CHAR(10)	YES	Warehouse Code	
3	Order Reference	CHAR(25)	YES	Order Reference / Host Order No	
4	Order No	CHAR(30)		Order Number	
5	Transaction Code	CHAR(10)	YES	Code to represent transaction type e.g.: SO	
6	DO Number	CHAR(25)	YES	Delivery Order Number	
7	DO Date	DATETIME	YES	Delivery Order Date	
8	ETA Date	DATETIME	NO	ETA Date	
9	Driver 1	CHAR(50)	NO	Driver 1 information	
10	Driver 2	CHAR(50)	NO	Driver 2 information	
11	Vehicle id	CHAR(30)	NO	Vehicle id	
12	Container Size	CHAR(5)	NO	Container size information (20, 40, 45)	
13	Container Type	CHAR(5)	NO	Container type (DC, FR, GP, HC, LR, OT, RF, TK, TR)	
14	Container No	CHAR(15)	NO	Container number information	
15	Voyage No	CHAR(50)	NO	Voyage	
16	Seal No	CHAR(50)	NO	Seal number	
17	Vessel Name	NVARCHAR(160)	NO	Vessel Name	
18	Courier Time Slot	CHAR(20)	NO	Courier Time Slot	
19	Courier Code	NVARCHAR(20)	NO	Courier Code	
20	Courier PickUp Date	DATETIME	NO	Courier PickUp Date	
21	Permit No	NVARCHAR(100)	NO	Permit Number	

#	Field Name	Type	Mandatory	Description	List of Value
22	AWB No	NVARCHAR(60)	NO	AWB Number	
23	Transporter	CHAR(50)	NO	Transporter	
24	Shipment Remarks	CHAR(256)		Shipment remarks	
25	Additional Optional Field 1	CHAR(30)	NO	Stuffing Start Datetime	
26	Additional Optional Field 2	CHAR(30)	NO	Stuffing End Datetime	
27	Additional Optional Field 3	CHAR(30)	NO		
28	Additional Optional Field 4	CHAR(30)	NO		
29	Additional Optional Int Field 1	INT	NO		
30	Additional Optional Int Field 2	INT	NO		
31	Additional Optional Dec Field 1	DECIMAL(18,5))	NO		
32	Additional Optional Dec Field 2	DECIMAL(18,5))	NO		
33	Additional Optional Date Field 1	DATETIME	NO		
34	Additional Optional Date Field 2	DATETIME	NO		
35	Product Code	CHAR(25)	YES	Product Code	
36	Line No	INT	YES	Line Number	
37	Original Line No	INT	YES	Host system line number	
38	Qty Shipped	DECIMAL(18,5)	YES	Quantity shipped in loose	
39	Inventory Status	CHAR(10)	YES	Inventory Status	
40	Lot Number	CHAR(25)	NO	Shipped Lot Number	
41	Expiry Date	DATETIME	NO	Shipped Expiry Date	
42	Serial No	CHAR(25)	NO	Shipped Serial Number	
43	Production Date	DATETIME	NO	Shipped Production Date	
44	Optional Field 1	NVARCHAR(50)	NO	DCode	
45	Optional Field 2	NVARCHAR(50)	NO	Custom Lot No	
46	Optional Field 3	NVARCHAR(50)	NO	CartonID	
47	Optional Field 4	NVARCHAR(50)	NO	Country of Destination	
48	Optional Field 5	NVARCHAR(50)	NO	Custom UOM	
49	Optional Field 6	NVARCHAR(50)	NO	Actual Dimension	
50	Optional Field 7	NVARCHAR(50)	NO	Actual Marks & No	
51	Optional Field 8	NVARCHAR(50)	NO		
52	Optional Dec Field 1	DECIMAL(18,5)	NO	Actual Volume	
53	Optional Dec Field 2	DECIMAL(18,5)	NO	Actual Weight	
54	Optional Int Field 1	INT	NO		
55	Optional Int Field 2	INT	NO		
56	Optional Int Field 3	INT	NO		
57	Optional Int Field 4	INT	NO		

#	Field Name	Type	Mandatory	Description	List of Value
58	Optional Date Field 1	DATETIME	NO		
59	Optional Date Field 2	DATETIME	NO		

Request sample:

JSON STRUCTURE	SPECIFICATION
{	
"DO":	Sub-Element
[	
{	
"OWNER_CODE": "O001",	Owner Code
"WHS_CODE": "W001",	Warehouse Code
"ORDER_REF": "S1807-00022",	Order Reference
"ORDER_NO": "",	Order Number
"TRANS_CODE": "SO",	Transaction Code
"DO_NO": "15",	DO Number
"DO_DATE": "2025-02-10 18:00:00",	DO Date
"ETA_DATE": "2025-02-10 18:00:00",	ETA Date
"DRIVER1": "",	Driver 1
"DRIVER2": "",	Driver 2
"VEHICLE_ID": "",	Vehicle ID
"VESSEL_NAME": "",	Vessel Name
"CONTAINER_SIZE": "",	Container Size
"CONTAINER_TYPE": "",	Container Type
"CONTAINER_NO": "",	Container Number
"VOYAGE_NO": "",	Voyage Number
"SEAL_NO": "",	Seal Number
"TRANSPORTER": "",	Transporter
"REMARKS": "",	Shipment Remarks
"COURIER_TIME_SLOT": "",	Courier Time Slot
"COURIER_CODE": "",	Courier Code
"COURIER_PICK_UP_DATE": "2025-02-10 18:00:00",	Courier PickUp Date
"PERMIT_NO": "",	Permit Number
"AWB_NO": "",	AWB Number
"AOPT_FIELD1": "",	Stuffing Start Datetime
"AOPT_FIELD2": "",	Stuffing End Datetimes
"AOPT_FIELD3": "",	
"AOPT_FIELD4": "",	
"AOPT_INT_FIELD1": 0,	
"AOPT_INT_FIELD2": 0,	
"AOPT_DEC_FIELD1": 0.00000,	
"AOPT_DEC_FIELD2": 0.00000,	
"AOPT_DATE_FIELD1": "2025-02-10 18:00:00",	

`"AOPT_DATE_FIELD2": "2025-02-10 18:00:00"`	
`"DO_LINE": [`	Sub-Element
`{`	Sub-Element
`"LINE_NO": 1,`	Line Number
`"PROD_CODE": "P001",`	Product Code
`"ORIG_LINE_NO": 1,`	Original Line No
`"QTY_SHIPPED": 1.00000,`	Qty Shipped
`"INV_STATUS": "G",`	Inventory Status
`"LOT_NO": "X12312",`	Lot Number
`"SERIAL_NO": "10293110920391",`	Serial Number
`"OPT_FIELD1": "",`	DCode
`"OPT_FIELD2": "",`	Custom Lot No
`"OPT_FIELD3": "",`	CartonID
`"OPT_FIELD4": "",`	Country of Destination
`"OPT_FIELD5": "",`	Custom UOM
`"OPT_FIELD6": "",`	Actual Dimension
`"OPT_FIELD7": "",`	Actual Marks & No
`"OPT_FIELD8": "",`	
`"OPT_DEC_FIELD1": 0.00000,`	Actual Volume
`"OPT_DEC_FIELD2": 0.00000,`	Actual Weight
`"OPT_INT_FIELD1": 0,`	
`"OPT_INT_FIELD2": 0,`	
`"OPT_INT_FIELD3": 0,`	
`"OPT_INT_FIELD4": 0,`	
`"OPT_DATE_FIELD1": "2025-02-10 18:00:00",`	
`"OPT_DATE_FIELD2": "2025-02-10 18:00:00",`	
`},`	Sub-Element
`{`	Sub-Element
`"LINE_NO": 2,`	Line Number
`"PROD_CODE": "P002",`	Product Code
`"ORIG_LINE_NO": 2,`	Original Line No
`"QTY_SHIPPED": 1.00000,`	Qty Shipped
`"INV_STATUS": "G",`	Inventory Status
`"LOT_NO": "X12312",`	Lot Number
`"SERIAL_NO": "8812991291920102",`	Serial Number
`"OPT_FIELD1": "",`	DCode
`"OPT_FIELD2": "",`	Custom Lot No
`"OPT_FIELD3": "",`	CartonID
`"OPT_FIELD4": "",`	Country of Destination
`"OPT_FIELD5": "",`	Custom UOM
`"OPT_FIELD6": "",`	Actual Dimension
`"OPT_FIELD7": "",`	Actual Marks & No
`"OPT_FIELD8": "",`	
`"OPT_DEC_FIELD1": 0.00000,`	Actual Volume
`"OPT_DEC_FIELD2": 0.00000,`	Actual Weight

```json
        "OPT_INT_FIELD1": 0,
        "OPT_INT_FIELD2": 0,
        "OPT_INT_FIELD3": 0,
        "OPT_INT_FIELD4": 0,
        "OPT_DATE_FIELD1": "2025-02-10 18:00:00",
        "OPT_DATE_FIELD2": "2025-02-10 18:00:00",
      },
      {
        "LINE_NO": 3,
        "PROD_CODE": "P003",
        "ORIG_LINE_NO": 3,
        "QTY_SHIPPED": 1.00000,
        "INV_STATUS": "G",
        "LOT_NO": "X12122",
        "EXPIRY_DATE": "2025-02-10 18:00:00"
        "OPT_FIELD1": "",
        "OPT_FIELD2": "",
        "OPT_FIELD3": "",
        "OPT_FIELD4": "",
        "OPT_FIELD5": "",
        "OPT_FIELD6": "",
        "OPT_FIELD7": "",
        "OPT_FIELD8": "",
        "OPT_DEC_FIELD1": 0.00000,
        "OPT_DEC_FIELD2": 0.00000,
        "OPT_INT_FIELD1": 0,
        "OPT_INT_FIELD2": 0,
        "OPT_INT_FIELD3": 0,
        "OPT_INT_FIELD4": 0,
        "OPT_DATE_FIELD1": "2025-02-10 18:00:00",
        "OPT_DATE_FIELD2": "2025-02-10 18:00:00",
      }
    ]
  }
 }
}
```

JSON	Description
`"OPT_INT_FIELD1": 0,`	
`"OPT_INT_FIELD2": 0,`	
`"OPT_INT_FIELD3": 0,`	
`"OPT_INT_FIELD4": 0,`	
`"OPT_DATE_FIELD1": "2025-02-10 18:00:00",`	
`"OPT_DATE_FIELD2": "2025-02-10 18:00:00",`	
`},`	Sub-Element
`{`	Sub-Element
`"LINE_NO": 3,`	Line Number
`"PROD_CODE": "P003",`	Product Code
`"ORIG_LINE_NO": 3,`	Original Line No
`"QTY_SHIPPED": 1.00000,`	Qty Shipped
`"INV_STATUS": "G",`	Inventory Status
`"LOT_NO": "X12122",`	Lot Number
`"EXPIRY_DATE": "2025-02-10 18:00:00"`	Expiry Date
`"OPT_FIELD1": "",`	DCode
`"OPT_FIELD2": "",`	Custom Lot No
`"OPT_FIELD3": "",`	CartonID
`"OPT_FIELD4": "",`	Country of Destination
`"OPT_FIELD5": "",`	Custom UOM
`"OPT_FIELD6": "",`	Actual Dimension
`"OPT_FIELD7": "",`	Actual Marks & No
`"OPT_FIELD8": "",`	
`"OPT_DEC_FIELD1": 0.00000,`	Actual Volume
`"OPT_DEC_FIELD2": 0.00000,`	Actual Weight
`"OPT_INT_FIELD1": 0,`	
`"OPT_INT_FIELD2": 0,`	
`"OPT_INT_FIELD3": 0,`	
`"OPT_INT_FIELD4": 0,`	
`"OPT_DATE_FIELD1": "2025-02-10 18:00:00",`	
`"OPT_DATE_FIELD2": "2025-02-10 18:00:00",`	
`}`	Sub-Element
`]`	Sub-Element
`}`	Sub-Element
`}`	Root
`}`	Root

Response structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	Owner Code	CHAR(10)	YES	Owner of the goods	
2	Order Reference	CHAR(25)	YES	Order Reference / Host Order No	
3	Order No	CHAR(30)	YES	Order Number	
4	DO Number	CHAR(25)	YES	Delivery Order Number	

#	Field Name	Type	Mandatory	Description	List of Value
5	Status	CHAR(10)	YES	Status of the request	SUCCEED FAILED
6	Error Message	CHAR(3000)	YES	Header error message	
7	Success Message	CHAR(3000)	YES	Header success message	
8	Line No	INT	YES	Line Number	
9	Product Code	CHAR(25)	YES	Product Code	
10	Error Message	CHAR(3000)	YES	Detail error message	
11	Success Message	CHAR(3000)	YES	Detail success message	

Response sample:

JSON STRUCTURE	SPECIFICATION
{	
"DO_ACK":	Root
[	Array of Object
{	
"OWNER_CODE": "O001",	Owner Code
"ORDER_REF": "S1807-00022",	Order Reference
"ORDER_NO": "",	Order Number
"DO_NO": "15",	DO Number
"STATUS": "FAILED",	Status
"MESSAGE": "INVALID VALUE '1' FOR HEADER KEY: AUTHORIZATION"	Message
"DO_LINE_ACK":	Sub-Element
[	
{	
"LINE_NO": 1,	Line No
"PROD_CODE": "P001",	Product Code
"MESSAGE": "VALID_LINE_ITEM_REQD: YOU MUST HAVE AT LEAST ONE VALID LINE ITEM FOR THIS TRANSACTION."	Error Message
},	Sub-Element
{	
"LINE_NO": 2,	Line No
"PROD_CODE": "P002",	Product Code
"MESSAGE": "VALID_LINE_ITEM_REQD: YOU MUST HAVE AT LEAST ONE VALID LINE ITEM FOR THIS TRANSACTION."	Error Message
},	Sub-Element
{	
"LINE_NO": 3,	Line No
"PROD_CODE": "P003",	Product Code
"MESSAGE": "VALID_LINE_ITEM_REQD: YOU MUST HAVE AT LEAST ONE VALID LINE ITEM FOR THIS TRANSACTION."	Error Message
}	Sub-Element
]	
}	Sub-Element

`    }`	Root
`}`	

1.5 PSA Inbound Tally Report

Purpose of this message to inform Host on received goods in WMS.

Remarks:
1. Single ASN can have multiple GRN
2. WMS will send API document interface, when all GRN on that ASN closed

Download can only be done once. If you want to download again without processing a return, you can ask the support team.

Bellow the configuration PSA Inbound Tally Report:

General	
Method	POST
URL	
Desc	API Download PSA Inbound Tally Report
Remark	

Header			
Field	Type	Value	Description
Content-Type		application/json	
	String	8507d8c2-9b4c-4759-a5a3-ab65db57d75d	API Key for PSA Inbound Tally Report Please provide field and value

Request structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	PO Number	CHAR(30)	YES	PO Number / Host Order No	
2	ASN Number	CHAR(30)	YES	ASN Number	
3	File Name	CHAR(256)	YES	File Name	
4	File Base 64	CHAR (MAX)	YES	File binary in base 64	

Request sample:

JSON STRUCTURE	SPECIFICATION
`{`	
`  "PSA_INBOUND_TALLY_REPORT":`	Root
`    {`	
`      "PO_NO": "",`	PO Number
`      "ASN_NO": "",`	ASN Number
`      "FILE_NAME": "",`	File Name
`      "FILE_BASE64": "",`	File Base 64
`    }`	
`}`	

Response structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	PO Number	CHAR(30)	YES	PO Number / Host Order No	
2	ASN Number	CHAR(30)	YES	ASN Number	
3	Status	CHAR(10)	YES	Status of the request	SUCCEED FAILED
4	Error Message	CHAR(3000)	YES	Detail error message	
5	Success Message	CHAR(3000)	YES	Detail success message	

Response sample:

JSON STRUCTURE	SPECIFICATION
{	
"PSA_INBOUND_TALLY_REPORT_ACK":	Root
{	
"PO_NO": "PO20180727-01",	PO Number
"ASN_NO": "",	ASN Number
"STATUS": "FAILED",	Status
"MESSAGE": "USER_ERROR: INVALID INV STATUS."	Error Message
}	
}	

1.6 PSA Outbound Tally Report

Purpose of this message to inform Host on shipped goods in WMS.

Remarks:
1. Single SO can have multiple DO
2. WMS will send API document interface, when all Shipment on that order is confirmed

Download can only be done once. If you want to download again without processing a return, you can ask the support team.

Bellow the configuration PSA Outbound Tally Report:

General	
Method	POST
URL	
Desc	API Download PSA Outbound Tally Report
Remark	

Header			
Field	Type	Value	Description
Content-Type		application/json	
	String	8507d8c2-9b4c-4759-a5a3-ab65db57d75d	API Key for PSA Outbound Tally Report Please provide field and value

Request structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	Order Reference	CHAR(30)	YES	Order Reference / Host Order No	
2	Order Number	CHAR(30)	YES	Order Number	
3	File Name	CHAR(256)	YES	File Name	
4	File Base 64	CHAR (MAX)	YES	File binary in base 64	

Request sample:

JSON STRUCTURE	SPECIFICATION
{	
"PSA_OUTBOUND_TALLY_REPORT":	Root
{	
"ORDER_REF": "",	Order Reference
"ORDER_NO": "",	Order Number
"FILE_NAME": "",	File Name
"FILE_BASE64": "",	File Base 64
}	
}	

Response structure:

#	Field Name	Type	Mandatory	Description	List of Value
1	Order Reference	CHAR(30)	YES	Order Reference / Host Order No	
2	Order Number	CHAR(30)	YES	Order Number	
3	Status	CHAR(10)	YES	Status of the request	SUCCEED FAILED
4	Error Message	CHAR(3000)	YES	Detail error message	
5	Success Message	CHAR(3000)	YES	Detail success message	

Response sample:

JSON STRUCTURE	SPECIFICATION
{	
"PSA_OUTBOUND_TALLY_REPORT_ACK":	Root
{	
"ORDER_REF": "",	Order Reference
"ORDER_NO": "",	Order Number
"STATUS": "FAILED",	Status
"MESSAGE": "USER_ERROR: INVALID INV STATUS."	Error Message
}	
}	

1.7 Temporary Table to Retrieve Truck Information

Purpose of this message to retrieve truck information on shipped goods in WMS.

Remarks:
1. WMS will insert truck information from temporary table, when selecting the trucking id and click button "Retrieve from API" in the Shipment Confirm screen
2. Some field for truck information has been provided in the SO JSON

Bellow the configuration temporary table for truck information:

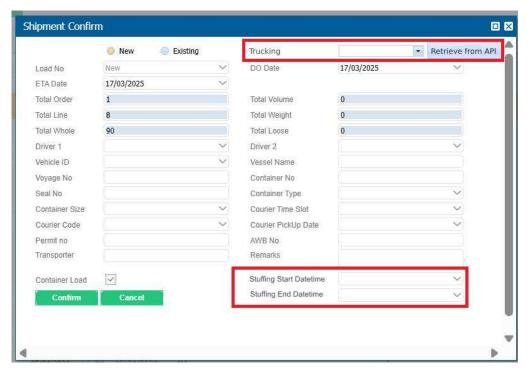| #	Field Name	Type	Mandatory	Description	List of Value
1	Owner Code	CHAR(10)	YES	Owner of the goods	
2	Warehouse Code	CHAR(10)	YES	Warehouse Code	
3	Order Reference	CHAR(25)	YES	Order Reference / Host Order No	
4	Order No	CHAR(30)	YES	Order No is field for update purpose	
5	DO Date	DATETIME	NO	Delivery Order Date	
6	ETA Date	DATETIME	NO	ETA Date	
7	Driver 1	CHAR(50)	NO	Driver 1 information	
8	Driver 2	CHAR(50)	NO	Driver 2 information	
9	Vehicle Id	CHAR(30)	NO	Vehicle id	
10	Container Size	CHAR(5)	NO	Container size information (20, 40, 45)	
11	Container Type	CHAR(5)	NO	Container type (DC, FR, GP, HC, LR, OT, RF, TK, TR)	
12	Container No	CHAR(15)	NO	Container number information	
13	Courier Pickup Date	DATETIME	NO	Courier Pickup Date	
14	Voyage No	CHAR(50)	NO	Voyage number	
15	Seal No	CHAR(50)	NO	Seal number	
16	Transporter	CHAR(50)	NO	Transporter	
17	Shipment Remarks	CHAR(256)		Shipment remarks	
18	Vessel Name	NVARCHAR(160)	NO	Vessel Name	
19	Courier Time Slot	CHAR(20)	NO	Courier Time Slot	
20	Courier Code	NVARCHAR(20)	NO	Courier Code	
21	Courier PickUp Date	DATETIME	NO	Courier PickUp Date	
22	Permit No	NVARCHAR(100)	NO	Permit Number	
23	AWB No	NVARCHAR(60)	NO	AWB Number	
24	Additional Optional Field 3	NVARCHAR(50)	NO	Stuffing Start Datetime	
25	Additional Optional Field 4	NVARCHAR(50)	NO	Stuffing End Datetime	

Figure 1. Additional Field for Retrieve Truck Information in Shipment Confirm screen

Change Order Cost

No	Item	Man-Days Required
1.1	Development and deployment for: WMS Host Interface for ASN, GRN, SO and SO Note: for each message API interface requires an effort of 3 MD	12
1.2	Development and deployment for: WMS Host Interface for PSA Inbound Tally Report and PSA Outbound Tally Report Note: for each API document interface requires an effort of 4 MD	8
1.3	Development and deployment for temporary table and additional field in the Shipment Confirm screen to retrieve truck information	2
	Total Man-days	**22**