**WWT Asset Management Integration Specifications**



Author: Premita Suares / Ketan Pota

Reviewers: Lauren W , Steve K

Creation Date: April 16, 2021

Last Updated: April 19, 2021

Document Ref:

Version: 1.2

Contents

[1 Scope 3](#_Toc69736686)

[2 WWT Transactions 3](#_Toc69736687)

[3 JSON Payload (API) 3](#_Toc69736688)

[4 WWT Integration Process Flow 4](#_Toc69736689)

[5 Data Points 5](#_Toc69736690)

[5.1 Additional data points: 5](#_Toc69736691)

[6 Payload Samples 6](#_Toc69736692)

[7 Integration Processes 6](#_Toc69736693)

[Additional Details *(Not needed for initial discussions but will table it out)* 6](#_Toc69736694)

[8 Transactions and Inventory Classifications: 6](#_Toc69736695)

[9 Connectivity: Technical POC 7](#_Toc69736696)

# Scope

This document provides the specifications for the Asset Integration from WWT to Customer’s Asset Management / Configuration Management Database (CMDB) system to track inventory and shipments

A - When WWT receives material into WWT Warehouse

B - When WWT ships material to Customer

# WWT Transactions

Following transactions will trigger the integration:

1. Inventory Receipt (When WWT receives material into WWT Warehouse):
	1. Purchase Order receipts (Net new)
	2. PO corrections (updates to prior integrated serials)
	3. Reverse Logistics (Return from customers)
2. Order Shipments (When WWT ships material to Customer):
	1. ASN : Advanced Shipment Notifications

# JSON Payload (API)

WWT sends 1 file per transaction to Customer. Payload datapoints common to all transactions.

               "**name**":"6CM646087Z",

                "**serialNumber**": "6CM646087Z",

                "**manufacturerPartNumber**": "IM7248-2-DAC-US ",

                “**type**”:”desktop”,

                "**location**": "WWT"/(Ship to address)

                "**state**": "intransit", / (In-Stock)

                "**stockroom**":"WWT",

                "**asset\_tag**": "CPL-6CM646087Z", (No Asset Tagged)

                "**revLog**": "true" / (“false”)

# WWT Integration Process Flow



# Data Points

* + Serial Number - Driving Data Point
	+ Manufacturer Model Number (OEM part)
	+ Location (Hard coded WWT for Inbound Receipts and ShipTo Address for ASNs)
	+ Status (customer Provide List) :
	+ **Instock (receipts and revlogs)**
	+ **Intransit (Shipments)**
	+ Asset Tag (If asset captured for serials otherwise will populate ‘No Asset tagged’)

## Additional data points:

(Flexibility to scale, may require additional development)

* Receipt Transactions
	+ Transaction Date
	+ Serial Number
	+ Manufacture part number
	+ Manufacture Description
	+ Manufacturer
	+ Mac Address
	+ Asset Tag
	+ Customer PO Number (PO the item was bought on)
	+ PO Date (When the PO was Created/When they ordered it)
	+ Part Number Category Type

* Shipment Transactions
	+ Shipment Date
	+ Ship Address
	+ Serial Number
	+ Mac Address
	+ Asset Tag
	+ Host Name
	+ Other Device Attributes
	+ Part Number Category Type
	+ Manufacture part number
	+ Manufacture Description
	+ Manufacture
	+ Customer Part Number

# Payload Samples

* Sample **Shipment** (ASN) :

{"name":"CUSTDC07","serialNumber":"CUSTDC07","manufacturerPartNumber":"C9800-40-K9","location":"c/o Customer","state":"intransit","stockroom":"WWT","asset\_tag":"FWL-CUSTDC07","revLog":"false"}

* Sample **Receipt** (Receipt extract)

{"name":"CUST0033","serialNumber":"CUST0033","manufacturerPartNumber":"TE-1405-HW-AC-B","location":"WWT","state":"instock","stockroom":"WWT","asset\_tag":"UPS-CUST0033","revLog":null}

* Sample **Revlog** (Receipt Extract) : Revlog = “True”

{"name":"FCW1950C12F","serialNumber":"FCW1950C12F","manufacturerPartNumber":"WS-C3850-48U-S","location":"WWT","state":"instock","stockroom":"WWT","asset\_tag":"No Asset Tag","revLog":"true"}

* Sample **Corrections**: Same as PO receipt (Serial/Name will prefix **Update to indicate prior created Assets to be updated )**

# Integration Processes

1. Extraction of data from WWT’s system based on desired frequency
2. B2B Integration Services that will send the Payload to Customer’s Service Now system.

# Additional Details *(Not needed for initial discussions but will table it out)*

# Transactions and Inventory Classifications:

Inventory is classified in WWT system at various ways:

Typically for this integration, WWT expects the partner to provide criteria for inventory identification like what parts and what inventory buckets are to be made available.

* Customer Parts
* Inventory Organization
* Material Designator
* Serialized vs non-serialized

Inbound Receipt Transactions

PO Receipts

* MDs for Customer
	+ **Logic (example - ONLY SEND MASTEER)**

RMA Receipts

* MDs for Customer
	+ **Logic (example – Send Master and Standalone)**

Outbound Transactions to setup:

SO Shipments

* MDs For Customer
	+ **Logic (example -ONLY SEND MASTEER)**

# Connectivity: Technical POC

|  |  |
| --- | --- |
| Environment | Endpoint |
| Development (POST) |  |
| Test (POST) |  |
| Production (POST) |  |