National Products Fulfilment

Web Service Documentation

This document elaborates how to develop and test an API Feed to NPF from any system.

Client that uses any specific system will be in a position to

1. **Send sales order files to NPF**
2. **Pull Tracking information from NPF**
3. **Cancel Order from NPF**
4. **Pull available stock on hand from NPF**
5. **Pull inventory transaction from NPF**
6. **Add their inbound deliveries**
7. **Inbound Status Pulling**
8. **Add Item**

Index

OrderWebService..... 5
API URL : 5
Function : 5
Overview : 5
Request : 6
Input Protocols : 9
Request Schema : 11

Dispatch Method : 14
Response : 15
Response Schema : 19
ErrorCodeReference.....20

Order StatusWebService..... 21
API URL : 21
Function : 21
Overview : 21
Request : 21
Input Protocols : 22
Request Schema : 22
Response : 23
Valid : 23
Error : 25

Order Status List : 26
Response Schema : 27
ErrorCodeReference..... 28

Cancel OrderWebService..... 30
API URL : 30
Function : 30
Overview : 30
Request : 31
Input Protocols : 31

Request Schema : ……31
Response : ……32
Valid : ……32
Error : ……34

Response Schema : ……34
ErrorCodeReference…… 34

Stock On HandWebService…… 35
APIURL…… 35
Function : ……35
Credentials : …… 35
Overview : ……35
Request : ……36
Input Protocols : ……36
Request Schema :……36
Response : ……37
Valid : ……37
Error : ……38
ResponseSchema…… 38
ErrorCodeReference…… 40

Inventory Transaction WebService……40
APIURL…… 40
Function : ……40
Credentials : …… 40
Overview : ……40
Request : ……41
Input Protocols : ……41
Request Schema :……42
Response : ……43
Valid : ……43
Error : ……44
ResponseSchema……44

InboundWebservice…… 45
API URL : ……45
Function : ……45
Overview : ……45

Request : ……45
Input Protocols : ……47
Request Schema : ……49
Response : ……50
Valid : ……52
Error : ……55
ResponseSchema…… 56
ErrorCodeReference…… 57
Overview : ……58
Request : ……59
Response : ……60
Valid : ……62
Error : ……62

InboundStatus Webservice……63
API URL : ……63
Function : ……63
Overview : ……63
Request : ……64
Response : ……64
Valid : ……64
Error : ……68

Add Item Webservice……69
API URL : ……69
Function : ……69
Overview : ……69
Request : ……69
Request Protocol :……71
Request Schema : ……71
Response : ……72
Valid : ……75
Error : ……76
Responseschema : ……77
NPF Integration flow:……78

Order Import Web service _ Send Order Information

Sandbox API URL: https://npfonlineTest.com/TestNPFM/FMImportAPI_V2.asmx/ImportSingleOrder

Production API URL: https://npfonline.com/NPFM/FMImportAPI_V2.asmx/ImportSingleOrder

API Type : SOAP

Method: POST

Content-Type: application/XML

Body: Request

Overview: This method is used for placing Orders. This service takes login credentials and single order as input for processing. If login credentials are validated transaction proceeds further and returns status as 'Valid' along with Batchcode and Order Status as 'Ready to process'.

Credentials:

XML Node	Description	Value
<UserName>	User Name	Please contact NPF Support team
<Password>	Password	Please contact NPF Support team
<ClientCode>	Client Code	Please contact NPF Support team

Note: Sandbox credential will be provided at the testing phase.
Production credential will provided soon after the testing is completed in Sandbox.

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<OrderList>
<Login>
<UserName>$UserName$</UserName>
<Password>$Password$</Password>
</Login>
<Order>
<ClientCode>$ClientCode$</ClientCode>
<SalesOrderNo>2506407</SalesOrderNo>
<OrderDate>17-04-2019 03:23:49</OrderDate>
<CustomerNo>227232</CustomerNo>
<BillingAddress>
<FirstName>Ram</FirstName>
<LastName>Kumar</LastName>
```

<CompanyName>Marina Mirage</CompanyName>

<Address1>74 Seaworld Drive</Address1>

<Address2>Main Beach</Address2>

<City>Main Beach</City>

<State>QLD</State>

<PostCode>4217</PostCode>

<Country>Australia</Country>

<Phone>9999999999</Phone>

<Email>info@test.com</Email>

</BillingAddress>

<ShippingAddress>

<FirstName>Ram</FirstName>

<LastName>Kumar</LastName>

<CompanyName>Marina Mirage</CompanyName>

<Address1>74 Seaworld Drive</Address1>

<Address2>Main Beach </Address2>

<City>Main Beach </City>

<State> QLD </State>

<PostCode>4217</PostCode>

<Country>Australia</Country>

</ShippingAddress>

<DespatchDetails>

<DispatchMethod>EP</DispatchMethod>

<GiftWrappingRequired>No</GiftWrappingRequired>

<CustomerMessage>Delivery parcel in ground floor</CustomerMessage>

<ArticleValue>160.00</ArticleValue>

<ArticleDescription>Kids Garments</ArticleDescription>

<WebSiteCode>www.MySalesSite.com</WebSiteCode>

</DespatchDetails>

<Products>

<Product>

<Code>Test001</Code>

<Description>Item One</Description>

```
 <BarCode>I0898727219929292</BarCode>
 <Quantity>4</Quantity>
 <SalesPrice>61.36</SalesPrice>
 <GST>10</GST>
 <SalesPricesIncludesGST>270.00</SalesPricesIncludesGST>
 <Amount>245.45</Amount>
 <DangerousGoods>F</DangerousGoods>
 <MLS>0</MLS>
<ItemAdditionalFields>
<ItemFields>
<FieldName>TestFieldName</FieldName>
<FieldValue>TestFieldValue</FieldValue>
</ItemFields>
</ItemAdditionalFields>
 </Product>
 <Product>
 <Code>Test002</Code>
 <Description>Item Two</Description>
 <BarCode />
 <Quantity>7</Quantity>
 <SalesPrice>90.00</SalesPrice>
 <GST>10</GST>
 <SalesPricesIncludesGST>693.00</SalesPricesIncludesGST>
 <Amount>630.00</Amount>
 <DangerousGoods>F</DangerousGoods>
 <MLS>0</MLS>
<ItemAdditionalFields>
<ItemFields>
<FieldName>TestFieldName1</FieldName>
<FieldValue>TestFieldValue1</FieldValue>
</ItemFields>
<ItemFields>
<FieldName>TestFieldName2</FieldName>
```

<FieldValue>TestFieldValue2</FieldValue>
</ItemFields>
</ItemAdditionalFields>
</Product>
</Products>
<Totals>
<SubTotal1>963.00</SubTotal1>
<P_H_Cost>0.00</P_H_Cost>
<P_H_GST>1</P_H_GST>
<P_H_IncludesGST>0.00</P_H_IncludesGST>
<SubTotal2>963.00</SubTotal2>
<DiscountPercentage>0.00</DiscountPercentage>
<DiscountAmount>0.00</DiscountAmount>
<Total>963.00</Total>
</Totals>
<IPAddress>111.67.0.82</IPAddress>
<HasDangerousGoods>F</HasDangerousGoods>
<AdditionalFields>
<Fields>
<FieldName>PO Number</FieldName>
<FieldValue>PO13245</FieldValue>
</Fields>
<Fields>
<FieldName>Invoice Number</FieldName>
<FieldValue>INV-12345</FieldValue>
</Fields>
</AdditionalFields>
</Order>
</OrderList>

Input Protocols:

Order Web Service	serverorder
Inputs	• Login ▪ UserName ▪ Password ▪ ClientCode • Order ▪ SalesOrderNo ▪ OrderDate ▪ CustomerNo ▪ BillingAddress ♦ FirstName ♦ LastName ♦ CompanyName ♦ Address1 ♦ Address2 ♦ City ♦ State ♦ PostCode ♦ Country ♦ Phone ♦ Email ▪ ShippingAddress ♦ FirstName ♦ LastName ♦ CompanyName ♦ Address1 ♦ Address2 ♦ City ♦ State ♦ PostCode ♦ Country ▪ DespatchDetails ♦ DispatchMethod ♦ GiftWrappingRequired ♦ CustomerMessage ♦ ArticleValue ♦ ArticleDescription ♦ WebSiteCode

	▪ Products ♦ Product ➢ Code ➢ Description ➢ BarCode ➢ Quantity ➢ SalesPrice ➢ GST ➢ SalesPricesIncludesGST ➢ Amount ➢ DangerousGoods ➢ MLS ➢ ItemAdditionalFields ◆ItemFields ❖FieldName ❖FieldValue ▪ Totals ♦ SubTotal1 ♦ P_H_Cost ♦ P_H_GST ♦ P_H_IncludesGST ♦ SubTotal2 ♦ DiscountPercentageState ♦ DiscountAmount ♦ Total • IPAddress • HasDangerousGoods ▪ AdditionalFields ♦ Fields ➢ FieldName ➢ FieldValue (see Parameter Descriptions section below).
Outputs	Return status will be "Valid" meaning it is successful or "Invalid" piped with the particular Error Message(s) if it has failed. It will also return Clientcode on successful login along with Batchcode and Order Status as "Ready for process".

RequestSchema:

Argument	Required	Data type / Max Length	Notes
Login. UserName	**Yes**	**Text/255**	Please contact NPF for Username
Login. Password	**Yes**	**Text/255**	Please contact NPF for Password
Login. ClientCode	**Yes**	**Text/30**	Client Code from OFS
Order. SalesOrderNo	**Yes**	**Text/30**	Sales Order Number
Order. OrderDate	**Yes**	**Date**	Order Date (dd–MM-yyyy HH:mm:ss) format is must -22-10-2020 18:22:00
Order. CustomerNo	**Yes**	**Text/30**	Customer Number
Order. BillingAddress. FirstName	**Yes**	**Text/50**	First name in Billing address
Order. BillingAddress. LastName	**Yes**	**Text/30**	Last name in Billing address
Order. BillingAddress. CompanyName		**Text/255**	Company Name
Order. BillingAddress. Address1	**Yes**	**Text/50**	Address first line
Order. BillingAddress. Address2		**Text/255**	Address second line
Order. BillingAddress. City	**Yes**	**Text/50**	City
Order. BillingAddress. State	**Yes**	**Text/50**	State is mandatory for Australia and it's optional for other countries
Order. BillingAddress. PostCode	**Yes**	**Text/10**	Postcode should be 4 characters, if Australia
Order. BillingAddress. Country	**Yes**	**Text/40**	Country name
Order. BillingAddress. Phone	**Yes**	**Text/15**	Phone number
Order. BillingAddress. Email		**Text/255**	Email address
Order. ShippingAddress. FirstName	**Yes**	**Text/50**	First name in shipping address
Order. ShippingAddress. LastName	**Yes**	**Text/30**	Last name
Order. ShippingAddress. CompanyName		**Text/255**	Company name
Order. ShippingAddress. Address1	**Yes**	**Text/50**	Address first line

Order. ShippingAddress. Address2		**Text/255**	Address second line
Order. ShippingAddress. City	**Yes**	**Text/50**	City
Order. ShippingAddress. State	**Yes/No**	**Text/50**	State is mandatory for Australia and it's optional for other countries
Order. ShippingAddress. PostCode	**Yes**	**Text/10**	Postcode should be 4 character, if Australia
Order. ShippingAddress. Country	**Yes**	**Text/40**	Country name
Order. DespatchDetails. DispatchMethod	**Yes**	**Text/30**	Dispatch method
Order. DespatchDetails. GiftWrappingRequired		**Text/30**	Gift wrapping required
Order. DespatchDetails. CustomerMessage		**Text/100**	Customer message
Order. DespatchDetails. ArticleValue		**Decimal/10,2**	Article value. Mandatory for International orders
Order. DespatchDetails. ArticleDescription		**Text/100**	Article description. Mandatory for International orders
Order. DespatchDetails. WebSiteCode		**Text/255**	Website address
Order. Products. Product. Code	**Yes**	**Text/30**	Product Code
Order. Products. Product. Description	**Yes**	**Text/255**	Product description
Order. Products. Product. BarCode		**Text/100**	Product Bar code
Order. Products. Product. Quantity	**Yes**	**Integer/10**	Product quantity
Order. Products. Product. SalesPrice	**Yes**	**Decimal/10,2**	Product selling price
Order. Products. Product. GST	**Yes**	**Integer/10**	GST value
Order. Products. Product. SalesPricesIncludesGST	**Yes**	**Decimal/10,2**	Sales price including GST value
Order. Products. Product. Amount	**Yes**	**Decimal/10,2**	Product amount

Order. Products. Product.DangerousGoods	**Yes**	**Text/1**	Product Dangerous Indication (T or F)
Order. Products. Product.MLS	**Yes**	**Integer/10**	Product volume of DG.
Order.Products.Product.ItemAdditionalFields.ItemFields.FieldName	**No**	**Text/50**	Title of the item additional parameter. Additional parameters to capture additional information requested by clients.This will be available only for functionality enabled clients. It should be a unique and non-empty parameter.
Order.Products.Product.ItemAdditionalFields.ItemFields.FieldValue	**No**	**Text/50**	Value of the item additional parameter of above Title. Just capturing for the information purpose, no other action with these parameters.
Order. Totals. SubTotal1	**Yes**	**Decimal/10,2**	Product Total amount
Order. Totals. P_H_Cost	**Yes**	**Decimal/10,2**	P H Cost
Order. Totals. P_H_GST	**Yes**	**Integer/10,2**	P H GST
Order. Totals. P_H_IncludesGST	**Yes**	**Decimal/10,2**	P H Cost including GST
Order. Totals. SubTotal2	**Yes**	**Decimal/10,2**	Sub Total
Order. Totals. DiscountPercentage	**Yes**	**Integer/10,2**	Discount Percentage
Order. Totals. DiscountAmount	**Yes**	**Decimal/10,2**	Discount Amount
Order. Totals. Total	**Yes**	**Decimal/10,2**	Total Order value
Order.IPAddress	**Yes**	**Text/200**	Client system IPAddress
Order.HasDangerousGoods	**Yes**	**Text/1**	Order Dangerous indication (T or F) (T - True, F - False)
Order.AdditionalFields.Fields.FieldName	**No**	**Text/50**	Title of the additional parameter. Additional parameters to capture additional information requested by clients.This will be available only for functionality enabled clients. It should be a unique and non-empty parameter.
Order.AdditionalFields.Fields.FieldValue	**No**	**Text/50**	Value of the additional parameter of above Title. Just capturing for the information purpose, no other action with these parameters.

Note: If an argument (field name) is an integer or decimal and not a mandatory, please send "0" as a default value.

Dispatch Method:

Carrier	Service Type	Description	DispatchMethodCode(Valueinthefield)
AP	AP	Australia Post	**AP**
DHL	DHL	Standard mail	**DHL SM**
EP	EP	PARCEL	**EP**
EP	EP	EP Wine	**EP Wine**
EP	EP	International Exp Courier	**EP IntExp**
EP	EP Express Parcel	Express Post Parcel	**EP EXP**
NZ Post	NZ Post	NZ Post standard	**NZ PS**
NZ Post	NZ Post Courier	NZ Post Courier	**NZ PC**
NZ TOLL	NZ Toll	NZ Toll	**NZ TOLL**
STARTRACK EXP	EXP	CTN	**STR EXP**
STARTRACKDG	STARTRACKDG	CTN	**STR DG**
TNT	EXPRESS	Carton	**TNT EXPCTN**
TOLL IPEC	EXPRESS_LS	Carton	**TOLL EXPLSCTN**
TOLL IPEC	PRIORITY	Carton	**TOLL PRICTN**
TOLLDG	TOLLDG	Carton	**TOLL DGCTN**
EP	EP	PARCEL	**AusPost Registered**

Response:

1. Valid

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Valid</Status>
<Response>
<ClientCode>ClientCode</ClientCode>
<BatchCode>ClientCode_A1122_06-06-2012</BatchCode>
<SalesOrderNo> OrdNo134</SalesOrderNo>
<OrderStatus>Ready for process</OrderStatus>
<NPFOrderNo>47100</NPFOrderNo>
</Response>
</Request>
```

2. Error

Invalid Dispatch Method Error

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Error</Status>
<Response>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>ZL109_Test</SalesOrderNo>
<OrderStatus>Error</OrderStatus>
<Errors>
<Error>
<ErrorCode>02009</ErrorCode>
<ErrorDetail>Invalid DispatchMethod</ErrorDetail>
</Error>
</Errors>
</Response>
</Request>
```

Already Imported Error

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Error</Status>
<Response>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>ZL106</SalesOrderNo>
<OrderStatus>Error</OrderStatus>
<Errors>
<Error>
```

<ErrorCode>02005</ErrorCode>
<ErrorDetail>Previously Imported</ErrorDetail>
</Error>
</Errors>
</Response>
</Request>

Data Missing Error

<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Error</Status>
<Response>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>ZL106_1</SalesOrderNo>
<OrderStatus>Error</OrderStatus>
<Errors>
<Error>
<ErrorCode>02006</ErrorCode>
<ErrorDetail>Data Missing Value</ErrorDetail>
</Error>
</Errors>
</Response>
</Request>

Invalid Product Code

<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Error</Status>
<Response>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>ZL106_1</SalesOrderNo>
<OrderStatus>Error</OrderStatus>
<Errors>
<Error>
<ErrorCode>02007</ErrorCode>
<ErrorDetail>InValid Product Code</ErrorDetail>
</Error>
</Errors>
</Response>
</Request>

Invalid Country

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Error</Status>
<Response>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>ZL106_1</SalesOrderNo>
<OrderStatus>Error</OrderStatus>
<Errors>
<Error>
<ErrorCode>02008</ErrorCode>
<ErrorDetail>Invalid Country</ErrorDetail>
</Error>
</Errors>
</Response>
</Request>
```

Invalid Postcode

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Error</Status>
<Response>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>ZL106_1</SalesOrderNo>
<OrderStatus>Error</OrderStatus>
<Errors>
<Error>
<ErrorCode>02014</ErrorCode>
<ErrorDetail>Invalid PostCode</ErrorDetail>
</Error>
</Errors>
</Response>
</Request>
```

Invalid Shipping Address

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Error</Status>
<Response>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>ZL106_1</SalesOrderNo>
<OrderStatus>Error</OrderStatus>
<Errors>
<Error>
```

<ErrorCode>02004</ErrorCode>
<ErrorDetail>Invalid Shipping Address</ErrorDetail>
</Error>
</Errors>
</Response>
</Request>

International Data missing

<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Error</Status>
<Response>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>ZL106_1</SalesOrderNo>
<OrderStatus>Error</OrderStatus>
<Errors>
<Error>
<ErrorCode>02010</ErrorCode>
<ErrorDetail>International Data missing</ErrorDetail>
</Error>
</Errors>
</Response>
</Request>

Invalid Client Code

<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Error</Status>
<Response>
<ErrorCode>02002</ErrorCode>
</Response>
</Request>

Invalid login credentials

<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Error</Status>
<Response>
<ErrorCode>02003</ErrorCode>
</Response>
</Request>

Wrong XML Tag

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
<Status>Error</Status>
<Response>
<ErrorCode>00000</ErrorCode>
</Response>
</Request>
```

Other Exception (System fails or unhandled exceptions. In this case try again or contact NPF support team.)

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
<Response>
<Errors>
<Error>
<ErrorCode>99999</ErrorCode>
<ErrorDetail>Internal Server Error - Please try again after sometime</ErrorDetail>
</Error>
</Errors>
</Response>
</Request>
```

Response Schema:

Argument	Required	Data type / Max Length	Notes
ErrorCode	**Yes**	**Text/10**	Error Code
ErrorDetail	**Yes**	**Text/255**	Error details
Status	**Yes**	**Text/30**	Status of Order without any error
ClientCode	**Yes**	**Text/50**	Client Code
BatchCode	**Yes**	**Text/255**	Batch code return from OFS
SalesOrderNo	**Yes**	**Text/50**	Sales Order Number
OrderStatus	**Yes**	**Text/50**	Order Status return from OFS
NPFOrderNo	**Yes**	**Text/50**	NPF Order Number return from OFS

Error Code Reference:

Error Code	Error Message
00000	Invalid XML
99999	Internal Server Error - Please try again after sometime
01001	Invalid Login Credentials
02001	Invalid order count. For multiple order import, use batch order import function (**ImportBatchOrder)**.
02002	Invalid Client Code
02003	Invalid Login Credentials
02005	Already imported
02006	Data Missing
02007	Invalid product code
02008	Invalid Country
02009	Invalid Dispatch Method
02010	International Data missing
02011	Handling cost is not defined
03001	Invalid Client Code
03003	One or more orders already exists, Duplicate Order – Order No.
1824	Invalid value for the Element 'Element Name'
04002	Invalid Dispatch Method!
04003	Invalid Post Code
02013	Data length too long

Order Status Web service _ Pull Tracking Information

Sandbox API URL: https://npfonlinetest.com/TestNPFM/npforderstatus.asmx/importorderstatus

Production API URL: https://npfonline.com/NPFM/npforderstatus.asmx/importorderstatus

API Type: SOAP

Method: POST

Content-Type: application/xml

Body: Request

Overview: This service method takes login credentials and single/multiple Sales order numbers (comma separated) as input. If login credentials are correct then transaction proceeds further and return latest order status for all comma separated sales order number.

Credentials:

XML Node	Description	Value
<UserName>	User Name	Please contact NPF Support team
<Password>	Password	Please contact NPF Support team
<ClientCode>	Client Code	Please contact NPF Support team

Note: Sandbox credential will be provided at the testing phase.
Production credential will provided soon after the testing is completed in Sandbox.

Request:

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<OrderList>
<Login>
<UserName>$UserName$</UserName>
<Password>$Password$</Password>
<ClientCode>$ClientCode$</ClientCode>
</Login>
<Order>
<SalesOrderNo>2506407A_001,2506407A_004,2506407A_006,2506407A_007</SalesOrderNo>
</Order>
</OrderList>
```

NOTE: Client can send multiple sales order numbers as comma separated list in the <SalesOrderNo>tag for which Order Status details required.

Input Protocols:

Order Status Web Service	Server order

Inputs	• Login
	  ▪ UserName
	  ▪ Password
	  ▪ ClientCode
	• Order
	  ▪ SalesOrderNo
	
	(see Parameter Descriptions section below).

Outputs	On return if login credentials are correct, then it will process all Sales Order Number comma separated and fetch the latest order status result from database. If login credentials fail it will throw error messages.

Request Schema:

Argument	Required	Data type / Max Length	Notes
Login. UserName	**Yes**	**Text/255**	Please contact NPF for Username
Login. Password	**Yes**	**Text/255**	Please contact NPF for Password
Login. ClientCode	**Yes**	**Text/30**	Client Code from FM
Order. SalesOrderNo	**Yes**	**Text/30**	Sales Order Numbers separated with comma

Response:

1. **Valid**

<?xml version="1.0" encoding="utf-8"?>
<OrderList>
<Order>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>2506407A_001</SalesOrderNo>
<NPFOrderNo>14141763</NPFOrderNo>
<SourceOrderUniqueIdentifier>989834938423</SourceOrderUniqueIdentifier>
<StatusTime>25-02-2021 17:02:00</StatusTime>
<OrderStatus>SHIPPED</OrderStatus>
<ShipmentDetails>
<Shipment>
<DespatchDate>25-02-2021</DespatchDate>
<ManifestNo>270255</ManifestNo>
<ConsignmentNo>FCL4333055</ConsignmentNo>
<ArticleNumbers>
<ArticleNumber>FCL433305501000935003</ArticleNumber>
</ArticleNumbers>
<FrieghtCharges>3294.12</FrieghtCharges>
<HandlingCharges>4.78</HandlingCharges>
<TrackingLink>https://auspost.com.au/track/FCL4333055</TrackingLink>
<Carrier>EP-Parcel</Carrier>
<DispatchMethod>EP</DispatchMethod>
<Products>
<Product>
<Code>Test001</Code> //Batch and Expiry Item
<SourceOrderItemUniqueIdentifier>9898349384231</SourceOrderItemUniqueIdentifier>
<Quantity>3</Quantity>
<BatchAndExpiryList>
<BatchAndExpiry>
<BatchNumber>1002101</BatchNumber><ExpiryDate>30-04-2022</ExpiryDate>
</BatchAndExpiry>
<BatchAndExpiry>
<BatchNumber>1003221</BatchNumber><ExpiryDate>30-06-2022</ExpiryDate>
</BatchAndExpiry>
<BatchAndExpiry>
<BatchNumber>1013234</BatchNumber><ExpiryDate>01-07-2022</ExpiryDate>
</BatchAndExpiry>
</BatchAndExpiryList>
<IMEISerialList>
<ScanDetail>
<SerialNumber>Serial1</SerialNumber>
<IMEINumber>IMEI1</IMEINumber>
</ScanDetail>

<ScanDetail>
<SerialNumber>Serial2</SerialNumber>
<IMEINumber>IMEI2</IMEINumber>
</ScanDetail>
<ScanDetail>
<SerialNumber>Serial3</SerialNumber>
<IMEINumber>IMEI3</IMEINumber>
</ScanDetail>
</IMEISerialList>
</Product>
<Product>
<Code>Test002</Code> //Non Batch and Expiry Item
<SourceOrderItemUniqueIdentifier>9898349384222</SourceOrderItemUniqueIdentifier>
<Quantity>7</Quantity>
<BatchAndExpiryList />
</Product>
<Product>
<Code>Test003</Code> // Batch Only Item
<SourceOrderItemUniqueIdentifier>9898349384221</SourceOrderItemUniqueIdentifier>
<Quantity>10</Quantity>
<BatchAndExpiryList>
<BatchAndExpiry>
<BatchNumber>22101</BatchNumber><ExpiryDate></ExpiryDate>
</BatchAndExpiry>
<BatchAndExpiry>
<BatchNumber>32122</BatchNumber><ExpiryDate></ExpiryDate>
</BatchAndExpiry>
</BatchAndExpiryList>
<IMEISerialList>
<ScanDetail>
<SerialNumber>Serial4</SerialNumber>
<IMEINumber></IMEINumber>
</ScanDetail>
<ScanDetail>
<SerialNumber></SerialNumber>
<IMEINumber>IMEI5</IMEINumber>
</ScanDetail>
</IMEISerialList>
</Product>
<Product>
<Code>Test004</Code> // Expiry Only Item
<SourceOrderItemUniqueIdentifier>9898349384225</SourceOrderItemUniqueIdentifier>
<Quantity>5</Quantity>
<BatchAndExpiryList>
<BatchAndExpiry>
<BatchNumber></BatchNumber><ExpiryDate>01-07-2021</ExpiryDate>
</BatchAndExpiry>

<BatchAndExpiry>
<BatchNumber></BatchNumber><ExpiryDate>31-01-2022</ExpiryDate>
</BatchAndExpiry>
</BatchAndExpiryList>
<IMEISerialList/>
</Product>

</Products>
</Shipment>
</ShipmentDetails>
</Order>
<Order>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>2506407A_007</SalesOrderNo>
<SourceOrderUniqueIdentifier />
<OrderStatus>Sorry, No details available!</OrderStatus>
<OrderStatusMessage>Sorry, No details available!</OrderStatusMessage>
</Order>
<Order>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>2506407A_006</SalesOrderNo>
<SourceOrderUniqueIdentifier>9898349384233</SourceOrderUniqueIdentifier>
<OrderStatus>SHIPMENT IN PROGRESS</OrderStatus>
<OrderStatusMessage>
</OrderStatusMessage>
</Order>
<Order>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>2506407A_004</SalesOrderNo>
<SourceOrderUniqueIdentifier>989834938223</SourceOrderUniqueIdentifier>
<OrderStatus>CANCEL</OrderStatus>
<OrderStatusMessage>Customer cancelled the order</OrderStatusMessage>
</Order>
<Order>
<ClientCode>ClientCode</ClientCode>
<SalesOrderNo>Order_0</SalesOrderNo>
<OrderStatus>SHIPMENT IN PROGRESS</OrderStatus>
<OrderStatusMessage> </OrderStatusMessage>
<ShortPickdetails>
<Products>
<Product>
<Code>8410973</Code>
<Quantity>1</Quantity>
<Status>Cancel</Status>
</Product>
</Products>
</ShortPickdetails>

```
</Order>
</OrderList>
```

2. Error

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
        <Response>
        <Errors>
                <Error>
                <ErrorCode>01001</ErrorCode>
                <ErrorDetail>Invalid Login credentials</ErrorDetail>
                </Error>
        </Errors>
        </Response>
</Request>

<?xml version="1.0" encoding="utf-8"?>
<Request>
        <Response>
        <Errors>
                <Error>
                <ErrorCode>03001</ErrorCode>
                <ErrorDetail>Invalid Client Code</ErrorDetail>
                </Error>
        </Errors>
        </Response>
</Request>

<?xml version="1.0" encoding="utf-8"?>
<Request>
        <Response>
        <Errors>
                <Error>
                <ErrorCode>99999</ErrorCode>
                <ErrorDetail>Internal Server Error - Please try again after sometime</ErrorDetail>
                </Error>
        </Errors>
        </Response>
</Request>
```

Order Status List:

Order Status	Description
CANCEL	Return Cancel Order with reason in status message
SHIPMENT IN PROGRESS	Order which is available in system, but not yet shipped
SHIPPED	Return Shipped status with shipment details
Sorry, No details available!	Return Details not available for requested SalesOrderNo

Response Schema:

Argument	Required	Data type / Max Length	Notes
ErrorCode	**Yes**	**Text/10**	Error Code
ErrorDetail	**Yes**	**Text/255**	Error details
Order. ClientCode	**Yes**	**Text/30**	Client Code from OFS
Order. SalesOrderNo	**Yes**	**Text/30**	Sales Order Number
Order. NPFOrderNo	**Yes**	**Text/30**	NPF Order Number
Order. SourceOrderUniqueIdentifier	**No**	**Text/50**	Order unique identifier in the 3rd party system. (For Shopify cart orders only) Note : Tag available only option activated client

Order. OrderStatus	**Yes**	**Text/100**	Order Status
Order. OrderStatusMessage	**Yes**	**Text/255**	Order Status message
Order. Errors. Error. ErrorCode	**Yes**	**Text/30**	Error Code if Order Status is ERROR
Order. Errors. Error. ErrorDetail	**Yes**	**Text/255**	Error Details if Order Status is ERROR
Order. Products. Product. Code	**Yes**	**Text/50**	Product Code if Order Status is BACKORDER
Order. SourceOrderItemUniqueIdentifier	**No**	**Text/50**	Order Item Line unique identifier in the 3rd party system. (For Shopify cart orders only). Note : Tag available only option activated client
Order. Products. Product. OrderQuantity	**Yes**	**Text/50**	Order Quantity if Order Status is BACKORDER
Order. Products. Product. BOQuantity	**Yes**	**Text/50**	Back Order Quantity if Order Status is BACKORDER
Order.ShipmentDetails.Shipment.DespatchDate	**Yes**	**Date**	Dispatch Date (dd – mm – yyyy) format is must if Order Status is PARTIAL BACKORDER or SHIPPED
Order.ShipmentDetails.Shipment.ManifestNo	**Yes**	**Text/50**	Shipment Manifest Number if Order Status is PARTIAL BACKORDER or SHIPPED
Order.ShipmentDetails.Shipment.ConsignmentNo	**Yes**	**Text/50**	Shipment Consignment Number if Order Status is PARTIAL BACKORDER or SHIPPED
Order.ShipmentDetails.Shipment.ArticleNumbers.ArticleNumber	**No**	**Text/75**	Shipment Article number if Order status is PARTIAL BACKORDER or SHIPPED.This will be available only for functionality enabled clients.
Order.ShipmentDetails.Shipment.FrieghtCharges	**Yes**	**Text/50**	Shipment Freight Charges if Order Status is PARTIAL BACKORDER or SHIPPED
Order.ShipmentDetails.Shipment.HandlingCharges	**Yes**	**Text/50**	Shipment Handling Charges if Order Status is PARTIAL BACKORDER or SHIPPED
Order.ShipmentDetails.Shipment.TrackingLink	**Yes**	**Text/255**	Shipment Tracking Link if Order Status is PARTIAL BACKORDER or SHIPPED
Order.ShipmentDetails.Shipment.Carrier	**Yes**	**Text/255**	On request to NPF we send the order carrier name which we dispatch the order
Order.ShipmentDetails.Shipment.DispatchMethod	**Yes**	**Text/255**	On request to NPF we send the dispatch method used for this order.
Order.ShipmentDetails.Shipment.Products. Product. Code	**Yes**	**Text/50**	Shipment Product Code if Order Status is PARTIAL BACKORDER or SHIPPED

Order.ShipmentDetails.Shipment.Products. Product. Quantity	**Yes**	**Text/50**	Shipment Product Quantity if Order Status is PARTIAL BACKORDER or SHIPPED
Order.ShipmentDetails.Shipment.Products. Product. BatchAndExpiryList. BatchAndExpiry. BatchNumber	**No**	**Text/50**	Batch Number Note : Tag available only option activated client
Order.ShipmentDetails.Shipment.Products. Product. BatchAndExpiryList. BatchAndExpiry. ExpiryDate	**No**	**Date**	Expiry Date (dd – mm – yyyy) format is must. Note : Tag available only option activated client
Order.BODetails.Products. Product.	**Yes**	**Text/50**	Back Order Product Code if Order Status
Code			is PARTIAL BACKORDER
Order.BODetails.Products. Product. Quantity	**Yes**	**Text/50**	Back Order Product Quantity if Order Status is PARTIAL BACKORDER
Order.ShortPickDetails.Products.Product.Code	**Yes**	**Text/50**	Short Picked Product Code. This will be available only for functionality enabled clients.
Order.ShortPickDetails.Products.Product.Quantity	**Yes**	**Text/50**	Short Picked Product Quantity. This will be available only for functionality enabled clients.
Order.ShortPickDetails.Products.Product.Status	**Yes**	**Text/50**	Short Picked Order Product Status (Cancel/Hold/Backorder). This will be available only for functionality enabled clients.
Order.ShipmentDetails.Shipment. Products. Product. IMEISerialList. ScanDetail. SerialNumber	**No**	**Text/50**	Serial number for the item. This will be available only for functionality enabled clients.
Order.ShipmentDetails.Shipment. Products. Product. IMEISerialList. ScanDetail. IMEINumber	**No**	**Text/50**	IMEI Number for the item. This will be available only for functionality enabled clients.

Error Code Reference:

Error Code	Error Message
00000	Invalid XML
99999	Internal Server Error - Please try again after sometime

01001	Invalid Login Credentials
03001	Invalid Client Code

Cancel Order Web service

Sandbox API URL: https://npfonlineTest.com/TestNPFM/FMImportAPI_V2.asmx/CancelSingleOrder

Production API URL: https://npfonline.com/NPFM/npforderstatus.asmx/CancelSingleOrder

API Type: SOAP

Method: POST

Content-Type: application/XML

Body: Request

Overview: This method is used for canceling the order. This service takes login credentials and singleorder and reason as input for processing. If login credentials are validated transaction proceeds further and returns status as 'Cancel' along with sale order number and order status message. Request fields are mandatory.

Credentials:

XML Node	Description	Value
<UserName>	User Name	Please contact NPF Support team
<Password>	Password	Please contact NPF Support team
<ClientCode>	Client Code	Please contact NPF Support team
<LoginUserName>	Login UserName	Please contact NPF Support team

Note: Sandbox credential will be provided at testing phase.
Production credential will provided soon after the testing is completed in Sandbox.

Request:

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<CancelOrder>
<Login>
<UserName>$UserName$</UserName>
<Password>$Password$</Password>
<ClientCode>$ClientCode$</ClientCode>
<LoginUserName>$LoginUsername$</LoginUserName>
</Login>
<Order>
<SaleOrderNo>RT-123456</SaleOrderNo>
<CancelReason>Testing</CancelReason>
```

</Order>
</CancelOrder>

Cancel Order Web Service	Server order
Inputs	• Login ▪ UserName ▪ Password ▪ ClientCode ▪ LoginUserName • Order ▪ SalesOrderNo ▪ CancelReason
Outputs	On return if login credentials are correct, then it will check the order status, if the order is either in error, valid or ready for process then the order will be cancelled else order will not cancel. If login credentials fail it will throw error messages.

Request Schema:

Argument	Required	Data type / Max Length	Notes
Login. UserName	**Yes**	**Text/255**	Please contact NPF for Username
Login. Password	**Yes**	**Text/255**	Please contact NPF for Password
Login. ClientCode	**Yes**	**Text/30**	Client Code from OFS
Login. LoginUserName	**Yes**	**Text/30**	Kiosk Login username
Order. SalesOrderNo	**Yes**	**Text/30**	Sales Order Number
Order. CancelReason	**Yes**	**Text/255**	Order Cancel Reason

Response:

❖ **Valid**

```
<?xml version="1.0"encoding="ISO-8859-1"?>
<order>
<status>Cancel</status>
<cancel>
<clientcode>ClientCode</clientcode>
<salesorderno>RT-123456</salesorderno>
<npforderno>0</npforderno>
<orderstatusmessage>Order cancelled successfully</orderstatusmessage>
</cancel>
</order>
```

❖ **Error**

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<request>
<status>Error</status>
<response>
<error>
<errorcode>04001</errorcode>
<errordetail>Shipped status order cannot be cancel</errordetail>
</error>
</response>
</request>

<?xml version="1.0" encoding="ISO-8859-1"?>
<request>
<status>Error</status>
<response>
<error>
<errorcode>11100</errorcode>
<errordetail>Invalid order</errordetail>
</error>
</response>
</request>

<?xml version="1.0" encoding="ISO-8859-1"?>
<request>
<status>Error</status>
<response>
<error>
<errorcode>01003</errorcode>
<errordetail>Invalid login username</errordetail>
</error>
</response>
</request>
```

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<request>
<status>Error</status>
<response>
<error>
<errorcode>02020</errorcode>
<errordetail>Invalid user for client</errordetail>
</error>
</response>
</request>

<?xml version="1.0" encoding="ISO-8859-1"?>
<request>
<status>Error</status>
<response>
<error>
<errorcode>99999</errorcode>
<errordetail>Internal server error - please try again after sometime</errordetail>
</error>
</response>
</request>
```

Response Schema:

Argument	Required	Data type / Max Length	Notes
ErrorCode	**Yes**	**Text/10**	Error Code
ErrorDetail	**Yes**	**Text/255**	Error details
Status	**Yes**	**Text/30**	Status of Order without any error
ClientCode	**Yes**	**Text/50**	Client Code
SalesOrderNo	**Yes**	**Text/50**	Sales Order Number
NPFOrderNo	**Yes**	**Text/50**	NPF Order Number return from OFS
OrderStatusMessage	**Yes**	**Text/50**	Order success status message

Error Code Reference:

Error Code	Error Message
00000	Invalid XML
99999	Internal Server Error - Please try again after sometime
01001	Invalid Login Credentials
11100	Invalid Order
01003	Invalid login username
02020	Invalid user for client
02006	Data Missing Error
04001	<shipped> status order cannot be cancel
03001	Invalid Client Code

Stock On Hand Web service

1.StockSOH()

Sandbox API URL: https://npfonlineTest.com/TestNPFM/FMSohAPI.asmx/StockOnHand

Production API URL: https://npfonline.com/NPFM/FMSohAPI.asmx/StockOnHand

2. StockAvailable()

Sandbox API URL:https://npfonlineTest.com/TestNPFM/FMSohAPI.asmx/StockAvailable

Production API URL:https://npfonline.com/NPFM/FMSohAPI.asmx/StockAvailable

API Type : SOAP

Method: POST

Content-Type: application/xml

Body: Request

Overview: This service method takes login credentials and * as input to get all the products stocks. If login credentials are correct then transaction proceeds further and returns latest Products “Stock on Hand/Available Stock” status for all product codes.

Credentials:

XML Node	Description	Value
<UserName>	User Name	Please contact NPF Support team
<Password>	Password	Please contact NPF Support team
<ClientCode>	Client Code	Please contact NPF Support team

Note: Sandbox credential will be provided at the testing phase.
Production credential will provided soon after the testing is completed in Sandbox.

Request:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<ProductList>
<Login>
<UserName>$UserName$</UserName>
<Password>$Password$</Password>
<ClientCode>$ClientCode$</ClientCode>
</Login>
<Product>
```

<ProductCode>*</ProductCode>
</Product>
</ProductList>

Input Protocols:

Order Status Web Service	Serverorder
Inputs	• Login ▪ UserName ▪ Password ▪ Clientcode • Product ▪ ProductCode (see Parameter Descriptions section below).
Outputs	If login credentials are correct, then it will process all Product Code and fetch the latest Product "Stock on Hand" status result from database. If login credentials fail the service will return error messages.

Request Schema:

Argument	Required	Data type / Max Length	Notes
Login.UserName	**Yes**	**Text/255**	Please contact NPF for Username
Login.Password	**Yes**	**Text/255**	Please contact NPF for Password
Login.ClientCode	**Yes**	**Text/30**	Client Code from OFS
Product.ProductCode	**Yes**	**Text/30**	* denotes for all product codes

Response:

- **Valid**

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<ProductList>
<ClientCode>ClientCode</ClientCode>
<Product>
<ProductCode>I001</ProductCode>
<Description>1001<Description>
<WeightinKG>1.2</WeightinKG>
<HeightinMM>80</HeightinMM>
 <WidthinMM>10.7</WidthinMM>
<LengthinMM>29.8</LengthinMM>
<StockonHand>90</StockonHand>
<StockOnHand_BatchAndExpiryList>
    <BatchAndExpiry>
        <BatchNumber>QA12</BatchNumber>
        <ExpiryDate>12-11-2022</ExpiryDate>
        <ReceivedQty>90</ReceivedQty>
     </BatchAndExpiry>
</StockOnHand_BatchAndExpiryList>
</Product>
<Product>
<ProductCode>I002</ProductCode>
<Description>1002<Description>
<WeightinKG>4</WeightinKG>
<HeightinMM>80</HeightinMM>
 <WidthinMM>10.7</WidthinMM>
<LengthinMM>29.8</LengthinMM>
<StockonHand>70</StockonHand>
<StockOnHand_BatchAndExpiryList>
    <BatchAndExpiry>
        <BatchNumber>LC12</BatchNumber>
        <ExpiryDate>20-05-2022</ExpiryDate>
        <ReceivedQty>70</ReceivedQty>
    </BatchAndExpiry>
</StockOnHand_BatchAndExpiryList>
<OnHoldQty>10</OnHoldQty>
<OnHoldQty_BatchAndExpiryList>
    <BatchAndExpiry>
       <BatchNumber>LC13</BatchNumber>
       <ExpiryDate>31-12-2022</ExpiryDate>
       <ReceivedQty>10</ReceivedQty>
     </BatchAndExpiry>
</OnHoldQty_BatchAndExpiryList>
<DamagedQty>0</DamagedQty>
<DamagedQty_BatchAndExpiryList />
</Product>
```

<Product>
<ProductCode>I003</ProductCode>
<Description>1003<Description>
<WeightinKG>4</WeightinKG>
<HeightinMM>80</HeightinMM>
<WidthinMM>10.7</WidthinMM>
<LengthinMM>29.8</LengthinMM>
<StockonHand>15</StockonHand>
<StockOnHand_BatchAndExpiryList />
<OnHoldQty>0</OnHoldQty>
<OnHoldQty_BatchAndExpiryList />
<DamagedQty>2</DamagedQty>
<DamagedQty_BatchAndExpiryList>
<BatchAndExpiry>
<BatchNumber>D123</BatchNumber>
<ExpiryDate>31-12-2022</ExpiryDate>
<ReceivedQty>2</ReceivedQty>
</BatchAndExpiry>
</DamagedQty_BatchAndExpiryList>
</Product>
<Product>
<ProductCode>I005</ProductCode>
<StockonHand>Sorry, No details available!</StockonHand>
</Product>
</ProductList>

- **Error**

<?xml version="1.0" encoding="utf-8"?>
<Request>
<Response>
<Errors>
<Error>
<ErrorCode>01001</ErrorCode>
<ErrorDetail>Invalid Login credentials</ErrorDetail>
</Error>
</Errors>
</Response>
</Request>

<?xml version="1.0" encoding="utf-8"?>
<Request>
<Response>
<Errors>
<Error>
<ErrorCode>03001</ErrorCode>
<ErrorDetail>Invalid Client Code</ErrorDetail>

```
</Error>
</Errors>
</Response>
</Request>

<?xml version="1.0" encoding="utf-8"?>
<Request>
<Response>
<Errors>
<Error>
<ErrorCode>99999</ErrorCode>
<ErrorDetail>Internal Server Error - Please try again after sometime</ErrorDetail>
</Error>
</Errors>
</Response>
</Request>
```

Response Schema:

Argument	Required	Data type / Max Length	Notes
ErrorCode	**Yes**	**Text/10**	Error Code
ErrorDetail	**Yes**	**Text/255**	Error details
ClientCode	**Yes**	**Text/30**	Client Code from OFS
Product.ProductCode	**Yes**	**Text/30**	Product Code
Product.StockOnHand	**Yes**	**Text/255**	Product Stock on Hand
Product.Description	**No**	**Text/255**	Product description
Product.WeightinKG	**No**	**Decimal 10,2**	Product weight in Kilogram. Note : Tag available only option activated client
Product.HeightinMM	**No**	**Decimal 10,2**	Product height in millimeter. Note : Tag available only option activated client
Product.WidthinMM	**No**	**Decimal 10,2**	Product width in millimeter. Note : Tag available only option activated client
Product.LengthinMM	**No**	**Decimal 10,2**	Product length in millimeter. Note : Tag available only

			option activated client
StockOnHand_BatchAndExpiryList .BatchAndExpiry.BatchNumber	**No**	**Text/30**	Batch number of Stock on hand. Note : Tag available only option activated client
StockOnHand_BatchAndExpiryList .BatchAndExpiry.ExpiryDate	**No**	**Date**	Expiry date of the stock on hand. Date is in (dd – mm – yyyy) format. Note : Tag available only option activated client
StockOnHand_BatchAndExpiryList .BatchAndExpiry.ReceivedQty	**No**	**Integer**	Product Quantity Note : Tag available only option activated client

Error Code Reference:

Error Code	Error Message
00000	Invalid XML
99999	Internal Server Error - Please try again after sometime
01001	Invalid Login Credentials
03001	Invalid Client Code

Inventory Transaction Web service

Sandbox API URL: https://npfonlineTest.com/TestNPFM/FMSOHAPI.asmx/Inventory_Transaction

Production API URL: https://npfonline.com/NPFM/FMSOHAPI.asmx/Inventory_Transaction

API Type: SOAP

Method: POST

Content-Type: application/XML

Body: Request

Overview: This method is used to pull inventory transaction. This service takes login credentials, page no and transaction id as input for Entering. If login credentials are valid then proceeds further and returns status as 'Success' along with inventory transactions and total pages.

Credentials:

XML Node	Description	Value
<UserName>	User Name	Please contact NPF Support team
<Password>	Password	Please contact NPF Support team
<ClientCode>	Client Code	Please contact NPF Support team

Note: Sandbox credential will be provided at the testing phase.
Production credential will provided soon after the testing is completed in Sandbox.

Request:

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<Transactions>
<Login>
<UserName>$UserName$</UserName>
<Password>$Password$</Password>
<ClientCode>$ClientCode$</ClientCode>
</Login>
<Transaction>
<PageNo>1</PageNo>
<TransactionId></TransactionId>
</Transaction>
</Transactions>
```

Note: PageNo is mandatory. TransactionId is optional, it is last pulled maximum transaction id. If transactionid passed, then it will fetch the transactions after the given transactionid. If not passed, then it will fetch the current day transactions.

Input Protocols:

Inventory Transaction Web Service	Server order

Inputs	• Login
	  ▪ Username
	  ▪ Password
	  ▪ Clientcode
	• Transaction
	  ▪ PageNo
	  ▪ TransactionId
	
	(see Parameter Descriptions section below).

Outputs	On return if login credentials are correct, then it will pull the transactions based on input, If Transaction Id is empty then it return the current day transactions. User can pull maximum of 50 transactions per API/per page. Use pageno to pull next set of 50 transactions. If transaction id is passed then it will return the transactions after that transaction id. User need to send the last transaction id they receive to get next set of transactions. If login credentials fail it will throw error messages.

Request Schema:

Argument	Required	Data type / Max Length	Notes
Login. UserName	**Yes**	**Text/255**	Please contact NPF for Username
Login. Password	**Yes**	**Text/255**	Please contact NPF for Password
Login. ClientCode	**Yes**	**Text/30**	Client Code from FM
Transaction. PageNo	**Yes**	**Integer/10**	PageNo is mandatory. Starts from 1

Transaction.TransactionId	**No**	**Text/20**	Last transactionId you received in the request.

Response:

- **Valid**

```
<?xml version="1.0" encoding="utf-8"?>
<InventoryTransaction>
  <status>Success</status>
  <TotalPages>3</TotalPages>
  <CurrentPage>1</CurrentPage>
  <Transactions>
    <FileId>ClientCode_20210625183937</FileId>
    <Transaction>
      <TransactionId>201834</TransactionId>
      <PostingDateTime>2021-06-23 15:00:04</PostingDateTime>
      <Product>
        <ProductId>Q3FM1</ProductId>
        <Quantity>6</Quantity>
        <UOM>EA</UOM>
        <LotDetails>
          <LotId>BAT6571 </LotId>
          <ExpiryDate>2025-05-25</ExpiryDate>
        </LotDetails>
        <TransactionType>Receive Inbound Delivery</TransactionType>
        <TransactionName>Damaged</TransactionName>
       <ReasonDescription>VD DMG (ES) To Scrap (VD-ES-GB)</ReasonDescription>
      </Product>
    </Transaction>
    <Transaction>
      <TransactionId>201836</TransactionId>
      <PostingDateTime>2021-06-23 15:00:35</PostingDateTime>
      <Product>
        <ProductId>Q3FM10</ProductId>
        <Quantity>12</Quantity>
        <UOM>EA</UOM>
        <LotDetails>
          <LotId> </LotId>
          <ExpiryDate> </ExpiryDate>
        </LotDetails>
        <TransactionType>Receive Inbound Delivery</TransactionType>
        <TransactionName>Damaged</TransactionName>
       <ReasonDescription>VD DMG (ES) To Scrap (VD-ES-GB)</ReasonDescription>
      </Product>
    </Transaction>
```

```
  </Transactions>
</InventoryTransaction>
```

```
<?xml version="1.0" encoding="utf-8"?>
<InventoryTransaction>
  <Status>Success</Status>
  <StatusMessage>No Transactions found</StatusMessage>
  <TotalPages>0</TotalPages>
  <CurrentPage>3</CurrentPage>
  <Transactions>
 </Transactions>
</InventoryTransaction>
```

- **Error**

```
<?xml version="1.0" encoding="utf-8"?>
<InventoryTransaction>
  <Status>Failure</Status>
  <StatusMessage>Page Number should not be empty or greater than 0</StatusMessage>
  <TotalPages>0</TotalPages>
  <CurrentPage>0</CurrentPage>
  <Transactions>
 </Transactions>
</InventoryTransaction>
```

Response Schema:

Argument	Required	Data type / Max Length	Notes
Status	**Yes**	**Text/10**	API Status
StatusMessage	**Yes**	**Text/255**	Success/Error details
TotalPages	**Yes**	**Integer/10**	Total number of pages available. Per page 50 transactions.
CurrentPage	**Yes**	**Integer/10**	Current page user called
FileId	**Yes**	**Text/50**	Unique API number
TransactionId	**Yes**	**Text/50**	Unique transaction id

PostingDate	**Yes**	**DateTime**	Transaction Date Time
ProductId	**Yes**	**Text/50**	Item Code
Quantity	**Yes**	**Integer/10**	Transaction Quantity
UOM	**Yes**	**Text/10**	Item Unit of measurement
LotID	**No**	**Text/50**	Item Batch code
ExpiryDate	**No**	**Date**	Item Expiry Date
TransactionType	**Yes**	**Text/50**	Item transaction type
TransactionName	**Yes**	**Text/50**	Item transaction name
ReasonDescription	**No**	**Text/100**	Transaction description

Inbound Web service _ Send Inbound Information

Sandbox API URL: https://npfonlineTest.com/TestNPFM/FMInboundAPI_V2.asmx/Import_Inbound_V2

Production API URL: https://npfonline.com/NPFM/FMInboundAPI_V2.asmx/Import_Inbound_V2

API Type: SOAP

Method: POST

Content-Type: application/XML

Body: Request

Overview: This method is used for placing Inbound. This service takes login credentials and single inbound as input for Entering. If login credentials are valid then proceeds further

and returns status as ‘Valid’ along with Booking Reference No and Confirmation Status.

Credentials:

XML Node	Description	Value
<UserName>	User Name	Please contact NPF Support team
<Password>	Password	Please contact NPF Support team
<ClientCode>	Client Code	Please contact NPF Support team

Note: Sandbox credential will be provided at testing phase.

Production credential will provided soon after the testing is completed in Sandbox.

Request:

```
<?xml version="1.0" encoding="UTF-8"?>

<Inbound>

<Login>
<UserName>$UserName$</UserName> //Please contact NPF team
<Password>$Password$</Password> //Please contact NPF team
</Login>
<InboundDetail>
<ClientCode>$ClientCode$</ClientCode> //Please contact NPF team
<PONo>2506407</PONo>
<BookedDate>22-10-2020</BookedDate>
<DeliveryDate>27-10-2020</DeliveryDate>
<DeliveryType>1</DeliveryType>
<PalletType>C</PalletType>
<NoofPallets>2</NoofPallets>
<VesselNumber></VesselNumber>
<Supplier>
<Name>Ram</Name>
<Email>info@test.com</Email>
<Phone>9786220845</Phone>
<Country>Australia</Country>
<State>QLD</State>
<City></City>
<AdditionalInfo>Test</AdditionalInfo>
</Supplier>
<Items>
<Item>
<Code>1001</Code>
<Description>Item One</Description>
<Quantity>4</Quantity>
<Weight>0.5</Weight>
<Length>10</Length>
<Width>7</Width>
<Height>2.5</Height>
```

<Price>10.5</Price>
<QtyperInner>2</QtyperInner>
<QtyperCase>3</QtyperCase>
<Additioninfo1></Additioninfo1>
<Additioninfo2></Additioninfo2>
<Barcode>A1001012</Barcode>
<Storage_Method_Id>2</Storage_Method_Id>
<Storage_Temperature_Nominal_In_Celsius>16</Storage_Temperature_Nominal_In_Celsius>
<Storage_Temperature_Tolerance>23</Storage_Temperature_Tolerance>
<Shelf_Life_Days>20</Shelf_Life_Days>
<HS_Code>23424632321</HS_Code>
<Picking_Sequence>1</Picking_Sequence>
<Batch_Expiry_Details>
<Batch_Expiry_Detail>
<Batch>Batch01</Batch>
<Qty>70</Qty>
<ExpiryDate>2029-12-31</ExpiryDate>
</Batch_Expiry_Detail>
<Batch_Expiry_Detail>
<Batch>Batch02</Batch>
<Qty>30</Qty>
<ExpiryDate>2027-05-30</ExpiryDate>
</Batch_Expiry_Detail>
</Batch_Expiry_Details>
<Business></Business>
<Velocity_Status></Velocity_Status>
<Velocity_Unit></Velocity_Unit>
<ALCStaus></ALCStaus>
<SeasonName></SeasonName>
<SeasonYear></SeasonYear>
<Replenishment_Unit></Replenishment_Unit>
</Item>
</Items>
</InboundDetail>

</Inbound>

Input Protocols:

Inbound Web Service	Serverorder

Inputs	❖ Login ❖ UserName ❖ Password ❖ Clientcode ❖ InboundDetail ❖ PONo ❖ BookedDate ❖ DeliveryDate ❖ DeliveryType ❖ PalletType ❖ NoofPallets ❖ VesselNumber ❖ Supplier ▪ Name ▪ Email ▪ Phone ▪ Country ▪ State ▪ City ▪ AdditionalInfo ❖ Items ▪ Item ▪ Code ▪ Description ▪ Quantity ▪ Weight ▪ Length ▪ Width ▪ Height ▪ Price ▪ QtyperInner ▪ QtyperCase ▪ Additioninfo1 ▪ Additioninfo2 ▪ Barcode ▪ Storage_Method_Id ▪ Storage_Temperature_Nominal_In_Celsius ▪ Storage_Temperature_Tolerance ▪ Shelf_Life_Days ▪ HS_Code ▪ Picking_Sequence ▪ Batch ▪ Quantity ▪ ExpiryDate ▪ Business ▪ Velocity_Status ▪ Velocity_Unit ▪ ALCStatus

	▪ SeasonName ▪ SeasonYear ▪ Replenishment_Unit (see Parameter Descriptions section below).
Outputs	Return status will be “Valid” meaning it is successful or “Invalid” piped with the particular Error Message(s) if it has failed. It will also return Clientcode on successful login along with Booking Reference No and its Confirmation status.

Request Schema:

Argument	Required	Data type / Max Length	Notes
Login. Username	Yes	Text/255	Please contact NPF for Username
Login. Password	Yes	Text/255	Please contact NPF for Password
Login. ClientCode	Yes	Text/30	Client Code from NPF
Inbound. PONo	Yes	Text/30	Purchase Order No
Inbound. BookedDate	Yes	Date	Inbound Booked Date (dd–mm-yyyy) format is must Example 22-10-2020 Booked date should not be lesser than today date.
Inbound. DeliveryDate	Yes	Date	Inbound Delivery Date (dd – mm-yyyy) format is must Example 26-10-2020.
Inbound. DeliveryType	Yes	Integer/10	Delivery Type 1 - Container Delivery - 20ftPalletized 2 - Container Delivery - 20ft loosecartons 3 - Container Delivery - 40ftPalletized 4 - Container Delivery - 40ft loosecartons 5 -Pallet/Cartons Delivery
Inbound. PalletType	Yes/No	Text/30	If Delivery type is 1,3 or 5 then this is required field C - Chep *or* H - Hardwood *or* L - loscam

Inbound. NoofPallets	Yes/No	Text/255	If Delivery type is 1,3 or 5 then this is required field , Total Number of Pallets which is going to send in this inbound.
Inbound.VesselNumber	No	Text/50	Vessel number (MMSI number)
Inbound. Supplier. Name	Yes	Text/50	Supplier Name
Inbound. Supplier. Email	No	Text/255	Supplier Email
Inbound. Supplier. Phone	No	Text/50	Supplier Phone
Inbound. Supplier. Country	No	Text/50	Supplier Country
Inbound. Supplier. State	Yes/No	Text/10	State is mandatory for Australia and it's optional for other countries
Inbound. Supplier. City	No	Text/200	Supplier city name is optional
Inbound. Supplier. AdditionalInfo	No	Text/40	Any other info about the supplier
Inbound. Items. Item. Code	Yes	Text/30	Item Code
Inbound. Items. Item. Description	Yes	Text/255	Item description
Inbound. Items. Item. Quantity	Yes	Integer/10	Item quantity
Inbound. Items. Item. Weight	No	Decimal/10,2	Item Weight (In Kilograms)
Inbound. Items. Item. Length	No	Decimal/10,2	Item Length (In Centimeters)
Inbound. Items. Item. Width	No	Decimal/10,2	Item Width (In Centimeters)
Inbound. Items. Item. Height	No	Decimal/10,2	Item Height (In Centimeters)
Inbound. Items. Item. Price	No	Decimal/10,2	Item Price

Inbound. Items. Item. QtyperInner	No	Decimal/10,2	Item quantity
Inbound. Items. Item. QtyperCase	No	Decimal/10,2	Total quantity per case
Inbound. Items. Item. Additioninfo1	No	Text/500	Additional Information about the item
Inbound. Items. Item.Additioninfo2	No	Text/500	Additional Information about the item
Inbound. Items. Barcode	Yes/No	Text/30	Barcode is mandatory for new items.
Inbound. Items. Storage_Method_Id	No	Integer/1	Storage methods 1 - Room temperature 2 - Ambient 3 - Cold 4 - Refrigerated 5 - Frozen Note : Tag accepted only option activated client
Inbound. Items. Storage_Temperature_Nominal_In_Celsius	No	Decimal/5,2	Nominal temperature in Celsius Note : Tag accepted only option activated client
Inbound. Items. Storage_Temperature_Tolerance	No	Decimal/5,2	Temperature tolerance Note : Tag accepted only option activated client
Inbound. Items. Shelf_Life_Days	No	Integer/5	Item Shelf life in days Note : Tag accepted only option activated client
Inbound. Items. HS_Code	No	Text/10	Item harmonized code Note : Tag accepted only option activated client
Inbound. Items. Picking_Sequence	No	Integer/1	Picking_Sequence 0 - None (Default) 1 - FIFO 2 - Batch/Lot Number only 3 - Expiry Date only 4 - Batch/Lot and Expiry Date Note : Tag accepted only option activated client
Inbound.Items.Batch_Expiry_Details. Batch_Expiry_Detail.Batch	Yes/No	Text/30	Batch number of the item. Note : Tag accepted only option activated client

Inbound.Items.Batch_Expiry_Details . Batch_Expiry_Detail.Quantity	Yes	Integer/10	Quantity for the batch. Note : Tag accepted only option activated client
Inbound.Items.Batch_Expiry_Details . Batch_Expiry_Detail.ExpiryDate	Yes/No	Date	Expiry Date of the item. Note : Tag accepted only option activated client
Inbound.Items.Business	No	Text/30	Business name of the item Note : Tag accepted only option activated client
Inbound.Items.Velocity_Status	No	Text/30	Velocity Status of the item Note : Tag accepted only option activated client
Inbound.Items.Velocity_Unit	No	Text/30	Velocity Unit of the item Note : Tag accepted only option activated client
Inbound.Items.ALCStatus	No	Text/30	ALC Status of the item Note : Tag accepted only option activated client
Inbound.Items.SeasonName	No	Text/30	SeasonName of the item Note : Tag available only option activated client
Inbound.Items.SeasonYear	No	Text/30	SeasonYear of the item Note : Tag available only option activated client
Inbound.Items.Replenishment_Unit	No	Text/30	Replenishment Unit of the item Note : Tag available only option activated client

Note: If an argument (field name) is an integer or decimal and not a mandatory, please send "0" as a default value.

Response:

1. Valid

```
<?xml version="1.0" encoding="utf-8"?>

<Request>

<Status>Valid</Status>

<Response>

<ClientCode>ClientCode</ClientCode>

<BookingReferenceNo>ClientCode00044</BookingReferenceNo>

<PONo>2506407</PONo>
```

<InboundStatus>Pending</InboundStatus>

</Response>

</Request>

2. Error

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
  <Status>Error</Status>
  <Response>
    <Errors>
      <Error>
        <ErrorCode>01001</ErrorCode>
        <ErrorDetail>Invalid Login credentials</ErrorDetail>
      </Error>
    </Errors>
  </Response>
</Request>
```

Invalid Booked Date

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
  <Status>Error</Status>
  <Response>
    <Errors>
      <Error>
        <ErrorCode>04004</ErrorCode>
        <ErrorDetail>Invalid Booking Date</ErrorDetail>
      </Error>
      <Error>
        <ErrorCode>04002</ErrorCode>
        <ErrorDetail>Invalid Delivery Date</ErrorDetail>
      </Error>
    </Errors>
  </Response>
</Request>
```

Barcode Mandatory

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
  <Status>Error</Status>
  <Response>
```

```
      <Errors>
        <Error>
          <ErrorCode>00501</ErrorCode>
          <ErrorDetail>Sorry!.. Barcode mandatory for new item.</ErrorDetail>
        </Error>
      </Errors>
    </Response>
</Request>
```

Repeated Item

```
---------------------------
<?xml version="1.0" encoding="ISO-8859-1"?>
<Request>
    <Status>Error</Status>
    <Response>
       <Errors>
          <Error>
               <ErrorCode>04004</ErrorCode>
               <ErrorDetail>Sorry!.. Repeated item not allowed.</ErrorDetail>
          </Error>
         </Errors>
    </Response>
</Request>
```

Other Response (System fails or unhandled exceptions. In this case try again or contact NPF support team.)

```
---------------------
<?xml version="1.0" encoding="utf-8"?>
<Request>
    <Response>
        <Errors>
           <Error>
               <ErrorCode>99999</ErrorCode>
               <ErrorDetail>Internal Server Error - Please try again after sometime</ErrorDetail>
           </Error>
        </Errors>
    </Response>
</Request>
```

Response Schema:

Argument	Required	Data type / Max Length	Notes
ErrorCode	**Yes**	**Text/10**	Error Code
ErrorDetail	**Yes**	**Text/255**	Error details

Status	**Yes**	**Text/30**	Status of Inbound whether it's a valid or error.
ClientCode	**Yes**	**Text/50**	Client Code
BookingReferenceNo	**Yes**	**Text/255**	BookingReference return from OFS
PONo	**Yes**	**Text/50**	Purchase Order Number
InboundStatus	**Yes**	**Text/50**	Order Status return from OFS

Error Code Reference:

Error Code	Error Message
00000	Invalid XML
99999	Internal Server Error - Please try again after sometime
01001	Invalid Login Credentials
04001	Data Missing
04002	Invalid Delivery Date
04003	Invalid Booked Date
04004	Invalid Qty
04005	Invalid Pallet Type
04006	Invalid Pallet Count

Note : Invalid Delivery Date will occur in the following cases

- Delivery Dates in Weekends
- Delivery type is 1 - 4 and delivery date is within 48 hrs from booking date
- Delivery type is 1 - 4 and delivery date is already booked for delivery type 1 - 4 on the same Delivery date

2) Import_Multiple_Inbound_V2()

Production API URL: https://npfonline.com/NPFM/FMInboundAPI_V2.asmx/Import_Multiple_Inbound_V2

Sandbox API URL: https://npfonlineTest.com/TestNPFM/FMInboundAPI_V2.asmx/Import_Multiple_Inbound_V2

API Type : SOAP

Method: POST

Content-Type: application/xml

Body: Request

Overview: This method is used for placing Multiple Inbound. This service takes login credentials and multiple inbound as input for Entering. If login credentials are validated transaction proceeds further and returns status as 'Valid' along with Booking Reference No and Confirmation Status.

Credentials:

XML Node	Description	Value
<UserName>	User Name	Please contact NPF Support team
<Password>	Password	Please contact NPF Support team
<ClientCode>	Client Code	Please contact NPF Support team

Note: Sandbox credential will be provided at the testing phase.

Production credential will provided soon after the testing is completed in Sandbox.

Request :

```
<?xml version="1.0" encoding="UTF-8"?>
<Inbound>
<Login>
<UserName>$UserName$</UserName> //Please Contact NPF team
<Password>$Password$</Password> //Please Contact NPF team
</Login>
<InboundDetail>
```

<ClientCode>$ClientCode$</ClientCode> //Please Contact NPF team

<PONo>20150516</PONo>

<BookedDate>22-10-2020</BookedDate>

<DeliveryDate>27-10-2020</DeliveryDate>

<DeliveryType>1</DeliveryType>

<PalletType>C</PalletType>

<NoofPallets>1</NoofPallets>

<VesselNumber>367355490</VesselNumber>

<Supplier>

<Name>TCT</Name>

<Email>ramkumar@test.com</Email>

<Phone>9786220845</Phone>

<Country>Australia</Country>

<State>QLD</State>

<City></City>

<AdditionalInfo>Mathew</AdditionalInfo>

</Supplier>

<Items>

<Item>

<Code>1001</Code>

<Description>Item One</Description>

<Quantity>4</Quantity>

<Weight>0</Weight>

<Length>0</Length>

<Width>0</Width>

<Height>0</Height>

<Price>0</Price>

<QtyperInner>0</QtyperInner>

<QtyperCase>0</QtyperCase>

<Additioninfo1></Additioninfo1>

<Additioninfo2></Additioninfo2>
<Barcode>A1001012</Barcode>

</Item>

</Items>

</InboundDetail>

<InboundDetail>

<ClientCode>$ClientCode$</ClientCode> //Please contact NPF team

<PONo>20150517</PONo>

<BookedDate>22-10-2020</BookedDate>

<DeliveryDate>28-10-2020</DeliveryDate>

<DeliveryType>1</DeliveryType>

<PalletType>C</PalletType>

<NoofPallets>1</NoofPallets>

<VesselNumber></VesselNumber>

<Supplier>

<Name>NPF</Name>

<Email>Dinesh@test.com</Email>

<Phone>9566657686</Phone>

<Country>Australia</Country>

<State>QLD</State>

<City>ABBEYWOOD</City>

<AdditionalInfo>Mathew</AdditionalInfo>

```
</Supplier>
<Items>
<Item>
<Code>1015</Code>
<Description>Item One</Description>
<Quantity>5</Quantity>
<Weight>0</Weight>
<Length>0</Length>
<Width>0</Width>
<Height>0</Height>
<Price>0</Price>
<QtyperInner>0</QtyperInner>
<QtyperCase>0</QtyperCase>
<Additioninfo1></Additioninfo1>
<Additioninfo2></Additioninfo2>
<Barcode></Barcode>
</Item>
<Item>
<Code>1001</Code>
<Description>Item One</Description>
<Quantity>2</Quantity>
<Weight>0</Weight>
<Length>0</Length>
<Width>0</Width>
<Height>0</Height>
<Price>0</Price>
```

<QtyperInner>0</QtyperInner>

<QtyperCase>0</QtyperCase>

<Additioninfo1></Additioninfo1>

<Additioninfo2></Additioninfo2>

<Barcode>A1001012</Barcode>

</Item>

</Items>

</InboundDetail>

</Inbound>

Response:

1. Valid

<?xml version="1.0" encoding="utf-8"?>

<Request>

<Response>

<InboundDetails>

<PONo>20150516</PONo>

<Status>Valid</Status>

<Response>

<ClientCode>ClientCode</ClientCode>

<BookingReferenceNo>ClientCode0001</BookingReferenceNo>

<PONo>20150516</PONo>

<InboundStatus>Pending</InboundStatus>

</Response>

```
</InboundDetails>
<InboundDetails>
<PONo>20150517</PONo>
<Status>Valid</Status>
<Response>
<ClientCode>ClientCode</ClientCode>
<BookingReferenceNo>ClientCode0002</BookingReferenceNo>
<PONo>20150517</PONo>
<InboundStatus>Pending</InboundStatus>
</Response>
</InboundDetails>
</Response>
</Request>
```

2. Error

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
<Response>
<InboundDetails>
<PONo>20150516</PONo>
<Status>Valid</Status>
<Response>
<ClientCode>ClientCode</ClientCode>
<BookingReferenceNo>ClientCode0001</BookingReferenceNo>
<PONo>20150516</PONo>
<InboundStatus>Pending</InboundStatus>
```

```
</Response>
</InboundDetails>
<InboundDetails>
<PONo>20150517</PONo>
<Status>Error</Status>
<Response>
<Errors>
<Error>
<ErrorCode>04003</ErrorCode>
<ErrorDetail>Invalid Booking Date</ErrorDetail>
</Error>
<Error>
<ErrorCode>04002</ErrorCode>
<ErrorDetail>Invalid Delivery Date</ErrorDetail>
</Error>
</Errors>
</Response>
</InboundDetails>
</Response>
</Request>
```

Inbound delivery Status Pulling :

Sandbox API URL: https://npfonlineTest.com/TestNPFM/FMInboundAPI.asmx/InboundStatus

Production API URL: https://npfonline.com/NPFM/FMInboundAPI.asmx/InboundStatus

API Type : SOAP

Method: POST

Content-Type: application/XML

Body: Request

Overview: This method is used for getting Inbound status from FM. This service takes login credentials and multiple PO reference as input for Entering. If login credentials are validated transaction proceeds further and returns status of the given inbound reference.

Credentials:

XML Node	Description	Value
<UserName>	User Name	Please contact NPF Support team
<Password>	Password	Please contact NPF Support team
<ClientCode>	Client Code	Please contact NPF Support team

Note: Sandbox credential will be provided at the testing phase.
Production credential will provided soon after the testing is completed in Sandbox.

Available Status :

- NOT RECEIVED
- RECEIVED
- RECEIVED WITH DISCREPANCIES
- RECEIPT IN PROGRESS
- QUARANTINE

Request :

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<InboundReceiptList>
<Login>
<UserName>$UserName$</UserName>
<Password>$Password$</Password>
<ClientCode>$ClientCode$</ClientCode>
</Login>
```

<InboundReceipt>

<PONo>RT_2110_001,RT_2110_002</PONo>

</InboundReceipt>

</InboundReceiptList>

Sample Response

<?xml version="1.0" encoding="ISO-8859-1"?>

<InboundReceiptList>

<InboundReceipt>

<ClientCode>ClientCode</ClientCode>

<NPFBookingReference>ClientCode02253</NPFBookingReference>

<PONo>RT_2110_001</PONo>

<BookedDate>02-08-2021 00:00:00</BookedDate>

<ReceiptStatus>RECEIVED</ReceiptStatus>

<DeliveryDate>05-08-2021 00:00:00</DeliveryDate>

<RevisedDeliveryDate>01-01-1900 00:00:00</RevisedDeliveryDate>

<ActualDeliveryDate>

</ActualDeliveryDate>

<Items>

<Item>

<ItemCode>TShelf0061</ItemCode>

<ItemType>New Item</ItemType>

<Description>TShelf0061</Description>

<AltItemcode>

</AltItemcode>

<BookedQuantity>100</BookedQuantity>

<ReceivedQuantity>100</ReceivedQuantity>

<BackOrderQty>0</BackOrderQty>

<DamagedQty>10</DamagedQty>

<RejectedQty>25</RejectedQty>

<BatchAndExpiryList>

<BatchAndExpiry>

<BatchNumber></BatchNumber>

<ExpiryDate>12-03-2022</ExpiryDate>

<ReceivedQty>65</ReceivedQty>

</BatchAndExpiry>
</BatchAndExpiryList>
<ReceiptDetail>
<Receipt>
<ReceiptNo>Receipt_ClientCode02253_00001</ReceiptNo>
<ReceiptDate>02-08-2021</ReceiptDate>
<ReceiptReceivedQty>65</ReceiptReceivedQty>
<ReceiptDamagedQty>10</ReceiptDamagedQty>
<ReceiptRejectedQty>25</ReceiptRejectedQty>
<RejectedBatchAndExpiry>
<BatchNumber></BatchNumber>
<ExpiryDate>06-08-2021</ExpiryDate>
<RejectedQty>25</RejectedQty>
</RejectedBatchAndExpiry>
</Receipt>
</ReceiptDetail>
</Item>
</Items>
</InboundReceipt>
<InboundReceipt>
<ClientCode>ClientCode</ClientCode>
<NPFBookingReference>ClientCode01927</NPFBookingReference>
<PONo>RT_2110_001</PONo>
<BookedDate>21-10-2020 00:00:00</BookedDate>
<ReceiptStatus>NOT RECEIVED</ReceiptStatus>
<DeliveryDate>26-10-2020 00:00:00</DeliveryDate>
<RevisedDeliveryDate>21-10-2020 00:00:00</RevisedDeliveryDate>
<Items>
<Item>
<ItemCode>1001</ItemCode> // Batch and Expiry Item
<ItemType>Existing Item</ItemType>
<Description>Item One</Description>
<Barcode>Q3-WMS-38294030</Barcode>
<IsNPFGeneratedBarcode>False</IsNPFGeneratedBarcode>
<BookedQuantity>4</BookedQuantity>
<ReceivedQuantity>0</ReceivedQuantity>

<BackOrderQty>0</BackOrderQty>
<DamagedQty>0</DamagedQty>
<RejectedQty>0</RejectedQty>
<BatchAndExpiryList />
<ReceiptDetail />
</Item>
</Items>
</InboundReceipt>
<InboundReceipt>
<ClientCode>ClientCode</ClientCode>
<NPFBookingReference>ClientCode01928</NPFBookingReference>
<PONo>RT_2110_002</PONo>
<BookedDate>21-10-2020 00:00:00</BookedDate>
<ReceiptStatus>RECEIVED WITH DISCREPANCIES</ReceiptStatus>
<DeliveryDate>27-10-2020 00:00:00</DeliveryDate>
<RevisedDeliveryDate>21-10-2020 00:00:00</RevisedDeliveryDate>
<Items>
<Item>
<ItemCode>Tshelf0024</ItemCode>
<ItemType>New Item</ItemType>
<Description>Tshelf0024</Description>
<AltItemcode> </AltItemcode>
<BookedQuantity>200</BookedQuantity>
<ReceivedQuantity>100</ReceivedQuantity>
<BackOrderQty>100</BackOrderQty>
<DamagedQty>0</DamagedQty>
<RejectedQty>35</RejectedQty>
<BatchAndExpiryList>
<BatchAndExpiry>
<BatchNumber></BatchNumber>
<ExpiryDate>08-03-2022</ExpiryDate>
<ReceivedQty>35</ReceivedQty>
</BatchAndExpiry>
<BatchAndExpiry>
<BatchNumber></BatchNumber>
<ExpiryDate>08-03-2022</ExpiryDate>

<ReceivedQty>30</ReceivedQty>
</BatchAndExpiry>
</BatchAndExpiryList>
<ReceiptDetail>
<Receipt>
<ReceiptNo>Receipt_ClientCode01928_00001</ReceiptNo>
<ReceiptDate>04-08-2021</ReceiptDate>
<ReceiptReceivedQty>65</ReceiptReceivedQty>
<ReceiptDamagedQty>0</ReceiptDamagedQty>
<ReceiptRejectedQty>35</ReceiptRejectedQty>
<RejectedBatchAndExpiry>
<BatchNumber> </BatchNumber>
<ExpiryDate>25-09-2021</ExpiryDate>
<RejectedQty>25</RejectedQty>
</RejectedBatchAndExpiry>
<RejectedBatchAndExpiry>
<BatchNumber> </BatchNumber>
<ExpiryDate>27-09-2021</ExpiryDate>
<RejectedQty>10</RejectedQty>
</RejectedBatchAndExpiry>
</Receipt>
</ReceiptDetail>
</Item>
<Item>
<ItemCode>RT_2110_001</ItemCode> // Non Batch and Expiry Item
<ItemType>Existing Item</ItemType>
<Description>Item One</Description>
<Barcode>RT_2110_001</Barcode>
<IsNPFGeneratedBarcode>False</IsNPFGeneratedBarcode>
<BookedQuantity>1000</BookedQuantity>
<ReceivedQuantity>100</ReceivedQuantity>
<BackOrderQty>900</BackOrderQty>
<DamagedQty>10</DamagedQty>
<RejectedQty>0</RejectedQty>
<BatchAndExpiryList />
<ReceiptDetail>

<Receipt>
<ReceiptNo>Receipt_ClientCode01928_00001</ReceiptNo>
<ReceiptDate>03-08-2021</ReceiptDate>
<ReceiptReceivedQty>100</ReceiptReceivedQty>
<ReceiptDamagedQty>10</ReceiptDamagedQty>
<ReceiptRejectedQty>0</ReceiptRejectedQty>
<RejectedBatchAndExpiry></RejectedBatchAndExpiry>
</Receipt>
</ReceiptDetail>
</Item>
<Item>
<ItemCode>RT_2110_002</ItemCode>
<ItemType>Existing Item</ItemType>
<Description>Item Two</Description>
<Barcode>RT_2110_002</Barcode>
<IsNPFGeneratedBarcode>False</IsNPFGeneratedBarcode>
<BookedQuantity>500</BookedQuantity>
<ReceivedQuantity>0</ReceivedQuantity>
<BackOrderQty>0</BackOrderQty>
<DamagedQty>0</DamagedQty>
<RejectedQty>0</RejectedQty>
<BatchAndExpiryList />
<ReceiptDetail />
</Item>
</Items>
</InboundReceipt>
</InboundReceiptList>

Error

<?xml version="1.0" encoding="ISO-8859-1"?>
<InboundReceiptList>
<InboundReceipt>
<ClientCode>ClientCode</ClientCode>
<PONo>Test</PONo>
<ReceiptStatus>Sorry, No details available!</ReceiptStatus>
</InboundReceipt>
</InboundReceiptList>

Add Item Web service

Sandbox API URL: https://npfonlineTest.com/TestNPFM/FMSohAPI.asmx/AddItem

Production API URL: https://npfonline.com/NPFM/FMSohAPI.asmx/AddItem

API Type: SOAP

Method: POST

Content-Type: application/xml

Body: Request

Overview: This method is used for creating new items. This service takes login credentials and allows a single item as input at a time. If login credentials are valid then proceeds further and returns status as 'Success'.

Credentials:

XML Node	Description	Value
<UserName>	User Name	Please contact NPF Support team
<Password>	Password	Please contact NPF Support team
<ClientCode>	Client Code	Please contact NPF Support team

Note: Sandbox credential will be provided at the testing phase.
Production credential will provided soon after the testing is completed in Sandbox.

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<ItemList>
<Login>
<UserName>$UserName$</UserName>
<Password>$Password$</Password>
<ClientCode>$ClientCode$</ClientCode>
</Login>

<Item>
<SKU>NPF0107008</SKU>
<Barcode>NPF0107008</Barcode>
<Description>NPF0107008</Description>
<UnitsPerCase>1</UnitsPerCase>

<Weight_KG>0.2</Weight_KG>
<Length_CM>3</Length_CM>
<Width_CM>1</Width_CM>
```

<Height_CM>2</Height_CM>

<DG_Item>
<Is_DG_Item>N</Is_DG_Item>
<Technical_Name></Technical_Name>
<Trade></Trade>
<Class></Class>
<VolumeofDG></VolumeofDG>
<VolumeofDG_UOM></VolumeofDG_UOM>
<UN_Number></UN_Number>
<Packing_Group></Packing_Group>
<Outer_Package></Outer_Package>
<HAZCHEM_ERG></HAZCHEM_ERG>
<Others></Others>
</DG_Item>

<Additional_Details>
<Item_Class>General</Item_Class>
<MinStock>10</MinStock>
<MaxStock></MaxStock>
<HSCode>345344</HSCode>
<TFN></TFN>
<CountryOfManufacture>AU</CountryOfManufacture>
<UnitPrice>55.6</UnitPrice>

<Is_BatchNo></Is_BatchNo>
<Is_ExpiryDate></Is_ExpiryDate>
<Is_FIFO>Y</Is_FIFO>

<Storage_Method>0</Storage_Method>
<Temperature_Nominal_Celsius></Temperature_Nominal_Celsius>
<Temperature_Tolerance_Celsius></Temperature_Tolerance_Celsius>
<Shelf_Life_Days>0</Shelf_Life_Days>
<business>Home</business>
<Velocity_Status>fast</Velocity_Status>
<ALCStatus></ALCStatus>
<SeasonName></SeasonName>
<SeasonYear>2023</SeasonYear>
<Velocity_Unit>8</Velocity_Unit>
<Replenishment_Unit>9</Replenishment_Unit>

</Additional_Details>

</Item>
</ItemList>

Input Protocols:

Inbound Web Service	Serverorder
Inputs	❖ Login ❖ UserName ❖ Password ❖ ClientCode ❖ Item ❖ SKU ❖ Barcode ❖ Description ❖ UnitsPerCase ❖ Weight_KG ❖ Length_CM ❖ Width_CM ❖ Height_CM ❖ DG_Item ▪ Is_DG_Item ▪ Technical_Name ▪ Trade ▪ Class ▪ VolumeOfDG ▪ VolumeOfDG_UOM ▪ UN_Number ▪ Packing_Group ▪ Outer_Package ▪ HAZCHEM_ERG ▪ Others ❖ Additional_Details ▪ Item_Class ▪ MinStock ▪ MaxStock ▪ HSCode ▪ TFN ▪ CountryOfManufacture ▪ UnitPrice ▪ Is_Batch_No ▪ Is_ExpiryDate ▪ Is_FIFO ▪ Storage_Method ▪ Temparature_Nominal_Celsius ▪ Temparature_Tolerance_Celsius ▪ Shelf_Life_Days ▪ Business

	▪ Velocity_Status ▪ ALCStatus ▪ SeasonName ▪ SeasonYear ▪ Velocity_Unit ▪ Replenishment_Unit (see Parameter Descriptions section below).
Outputs	Return status will be "Success" meaning it is successful or "Failure" piped with the particular Error Message(s) if it has failed.

Request Schema:

Argument	Required	Data type / Max Length	Notes
Login. UserName	**Yes**	**Text/255**	Please contact NPF for Username
Login. Password	**Yes**	**Text/255**	Please contact NPF for Password
Login. ClientCode	**Yes**	**Text/30**	Client Code from NPF
Item. SKU	**Yes**	**Text/30**	ItemCode/SKU. Unique number of your item
Item. Barcode	**Yes**	**Text/50**	Barcode is mandatory. Without it we cannot guarantee order & inventory accuracy Please enter the same barcode that is printed on your product
Item. Description	**Yes**	**Text/100**	Description about the item shortly
Item. UnitsPerCase	**No**	**Integer/10**	Define how many number of unit per case for an item.
Item. Weight_KG	**Yes/No**	**Decimal/10,2**	Dead weight of the item in Kilogram
Item. Lenght_CM	**Yes/No**	**Decimal/10,2**	Accurate length of the item in Centimeters

Item.Width_CM	**Yes/No**	**Decimal/10,2**	Accurate width of the item in Centimeters
Item.Height_CM	**Yes/No**	**Decimal/10,2**	Accurate height of the item in Centimeters
Item. DG_Item. Is_DG_Item	**Yes**	**Text/1**	Y or N is DG item is Y, means the item is a DG (Dangerous Good) and has been setup in the NPF System according to the information. All orders containing DG items must travel by road and will be declared accordingly to the courier company.
Item. DG_Item. Technical_Name	**Is_DG_Item is Y then Yes/No**	**Text/50**	Proper shipping name is the standard technical name to describe the hazard properties and the composition of dangerous goods
Item. DG_Item. Trade	**No**	**Text/50**	Specify the trade name of that Dangerous good item.
Item. DG_Item. Class	**Is_DG_Item is Y then Yes/No**	**Decimal/2,1**	Possible values are either 3 or 6.1 or 8 or 9. Dangerous goods are assigned to one of nine classes dependant on the main danger presented. Specify that Class of the dangerous goods item
Item. DG_Item. VolumeofDG	**Is_DG_Item is Y then Yes/No**	**Decimal/10,2**	Dangerous goods contains how much volume of dangerous in numbers
Item. DG_Item. VolumeofDG_UOM	**Is_DG_Item is Y then Yes/No**	**Text/40**	UOM - G - ML. Unit of measurements of Dangerous goods volume. If Class is 3 then ML, Other class should be either G or ML.

Item. DG_Item. UN_Number	**Is_DG_Item is Y then Yes/No**	**Integer/4**	UN numbers or UN IDs are four-digit numbers that identify dangerous goods, hazardous substances and articles (such as explosives, flammable liquids, toxic substances, etc.) in the framework of international transport. They are assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods
Item. DG_Item. Packing_Group	**Is_DG_Item is Y then Yes/No**	**Text/50**	The Packing Group is a grouping of substances (other than those in Hazard Class 2, Class 6 Division 2, and Class 7), in accordance with the degree of danger they present: Packing group I: substances presenting high danger; Packing group II: substances presenting medium danger
Item. DG_Item. Outer_Package	**No**	**Text/50**	means a packaging that forms the outer protection of a composite or combination packaging, and includes any absorbent material, cushioning and other components used to contain or protect inner receptacles or inner packaging's
Item. DG_Item. HAZCHEM_ERG	**No**	**Text/50**	HAZCHEM is a warning plate system used in Australia, Malaysia, New Zealand, India and the United Kingdom for vehicles transporting hazardous substances, and on storage facilities
Item.DG_Item.Others	**No**	**Text/50**	Specify other details about the Dangerous goods item.
Item. Additional_Details. Item_Class	**No**	**Text/50**	Specify the category of item belongs to
Item. Additional_Details.MinStock	**No**	**Integer/10**	Specify the minimum stock level to get the alert from inventory for minimum level.

Item. Additional_Details.MaxStock	**No**	**Integer/10**	Specify the maximum stock level to get the alert from inventory for maximum limit.
Item. Additional_Details.HSCode	**No**	**Text/50**	All import and export codes used by the country are based on the Harmonized System (HS). The HS assigns 6-digit codes for general categories. This 6-digit code is known as the Harmonized System number.
Item. Additional_Details.TFN	**No**	**Text/50**	TFN is a Tax File Number of that item.
Item. Additional_Details. CountryofManufacture	**No**	**Text/50**	Specify the country where the item is manufactured
Item. Additional_Details.UnitPrice	**No**	**Decimal/10,2**	Specify the item sales price or unit price of that item.
Item. Additional_Details. Is_BatchNo	**Yes/No**	**Text/1**	Y/N. Stock pick sequence is based on Item Batch no basis. Note : Tag accepted only option activated client
Item. Additional_Details. Is_ExpiryDate	**Yes/No**	**Text/1**	Y/N. Stock pick sequence is based on Item expiry date basis. Note : Tag accepted only option activated client
Item. Additional_Details. Is_FIFO	**Yes/No**	**Text/1**	Y/N. Stock pick sequence is based on FIFO basis. Note : Tag accepted only option activated client
Item. Additional_Details. Storage_Method	**No**	**Integer/1**	Temperature control allows as to store your products in the right environment. Storage methods 1 - Room temperature 2 - Ambient 3 - Cold 4 - Refrigerated 5 - Frozen Note : Tag accepted only option activated client

Item. Additional_Details. Temperature_Nominal_Celsius	**No**	**Decimal/5,2**	Nominal/Expected temperature in Celsius Note : Tag accepted only option activated client
Item. Additional_Details. Temperature_Tolerance_Celsius	**No**	**Decimal/5,2**	Temperature tolerance. + or - from expected temperature. Note : Tag accepted only option activated client
Item. Additional_Details. Shelf_Life_Days	**No**	**Integer/5**	Item Shelf life in days Note : Tag accepted only option activated client
Item. Additional_Details. business	**No**	**Text/50**	Business name of the item. Note : Tag accepted only option activated client
Item. Additional_Details. Velocity_Status	**No**	**Text/50**	Velocity status of the item. Note : Tag accepted only option activated client
Item. Additional_Details. ALCStatus	**No**	**Text/50**	ALC Status of the item. Note : Tag accepted only option activated client
Item. Additional_Details. SeasonName	**No**	**Text/50**	Season name of the item. Note : Tag accepted only option activated client
Item. Additional_Details. SeasonYear	**No**	**Integer/4**	Season Year of the item. Note : Tag accepted only option activated client
Item. Additional_Details. Velocity_Unit	**No**	**Text/50**	Velocity unit of the item. Note : Tag accepted only option activated client
Item. Additional_Details. Replenishment_Unit	**No**	**Text/50**	Replenishment unit of the item. Note : Tag accepted only option activated client

Note: If an argument (field name) is an integer or decimal and not a mandatory, please send "0" as a default value.

Response:

1. Valid

```
<?xml version="1.0" encoding="utf-8"?>
<Items>
  <Status>Success</Status>
  <StatusMessage>Item Created Successfully</StatusMessage>
```

```
  </Items>
```

2. Error

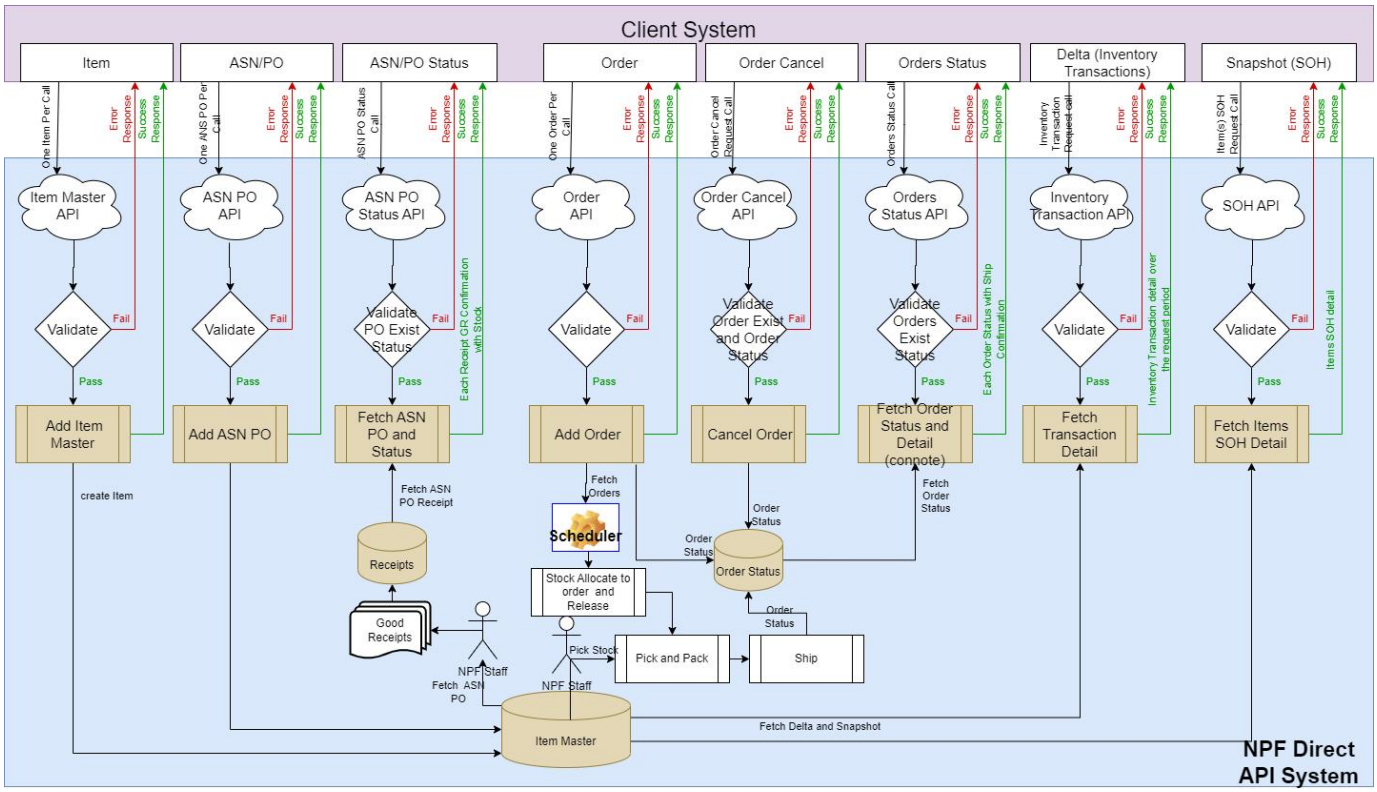
```
<?xml version="1.0" encoding="utf-8"?>
<Items>
  <Status>Failure</Status>
  <StatusMessage>Item Failed</StatusMessage>
  <ErrorDetail>
    <ErrorMessage>Item Length should be numeric</ErrorMessage>
     <ErrorMessage>DG Class should be 3,6.1,8,9</ErrorMessage>
     <ErrorMessage>Please select FIFO or Batch Expiry</ErrorMessage>
    <ErrorMessage>StorageMethod not matched</ErrorMessage>
    <ErrorMessage>Shelf_Life_Days only require for Expiry Items</ErrorMessage>
  </ErrorDetail>
</Items>

<?xml version="1.0" encoding="utf-8"?>
<Items>
  <Status>Failure</Status>
  <StatusMessage>Invalid XML</StatusMessage>
</Items>
```

Response Schema:

Argument	Required	Data type / Max Length	Notes
Status	**Yes**	**Text/30**	Success/Failure.
StatusMessage	**Yes**	**Text/50**	Short message of the Success/Failure
ErrorDetail. ErrorMessage	**No**	**Text/255**	If Failure, Failure message will be listed with multiple lines.

NPF Integration flow



Last Updated Date: 27-July-2026