

External Links - Input



URL: <http://services.u-p-n.co.uk/ExternalLinks>

Functions:

- **AddConsignment_V4(CustConsignment_V2, CustomsInfoConsignment, Username, Password) returns String**
To be used for freight intending to travel through the UPN network. If the transfer is successful, the returned string will contain the unique UPN barcode reference for the job (11 chars long starting with a 'W' and ending with a 'C'). If the transfer fails, the error is in the returned string (the string will start with the text 'Error:')
Parameters:
 - CustConsignmentPwk - a custom structure containing all consignment information, including a list of pallets
 - CustomsInfoConsignment - a custom structure containing all the customs information required for consignments to Europe or Ireland
 - Username -String - unique to you to authorise access to the service
 - Password - String - unique to you to authorise access to the service
- **NewCollectionRequest_V2(NetworkCollectionRequest, CustomsInfoConsignment, Username, Password) returns String**
To be used for creating collection requests to be carried out by other members within the UPN network. If the transfer is successful, the returned string will contain the unique UPN barcode reference for the job (11 chars long starting with a 'W' and ending with a 'C'). If the transfer fails, the error is in the returned string (the string will start with the text 'Error:')
Parameters:
 - NetworkCollectionRequest - a custom structure containing all consignment information, including a list of pallets
 - CustomsInfoConsignment - a custom structure containing all the customs information required for consignments to Europe or Ireland
 - Username -String - unique to you to authorise access to the service
 - Password - String - unique to you to authorise access to the service
- **PalletLabels(Barcodes(), Depot, Username, Password) As Byte()**
If successful, this function will return a pdf document as a byte array.
Parameters:
 - Barcodes() - String - An array of type string that contains the barcodes of all jobs that require pallet labels
 - Depot - Integer - This is the UPN depot number of your contracted haulier. Please contact them if unsure of what this number is.
 - Username -String - unique to you to authorise access to the service
 - Password - String - unique to you to authorise access to the service
- **AddConsignmentNonNet(CustConsignment, Username, Password) returns String**
To be used to insert freight into the Non-Network section of the website. Freight entered with this function than then be planned out using the regular planning screen. If the transfer is successful, the returned string will contain the unique UPN barcode reference for the job (11 chars long starting with a 'W' and ending with a 'C'). If the transfer fails, the error is in the returned string (the string will start with the text 'Error:')
Parameters:

- CustConsignment - custom structure containing all consignment information, including a list of pallets
- Username -String - unique to you to authorise access to the service
- Password - String - unique to you to authorise access to the service

- **DeliveryArrived(Barcode, ArrivalTime, Latitude, Longitude, Pallets, Username, Password) returns String**

To be used to send the arrival status from the mobile device at the delivery point. This function will return either the string "Success" or the error message if it fails.

Parameters:

- Barcode - String - The UPN allocated barcode for the consignment.
- ArrivalTime – DateTime – The date and time the delivery vehicle arrived at the delivery point.
- Latitude – Decimal – The latitude GPS coordinate from the mobile device.
- Longitude – Decimal – The longitude GPS coordinate from the mobile device.
- Pallets – Integer – The number of pallets being delivered.
- Username -String - unique to you to authorise access to the service.
- Password - String - unique to you to authorise access to the service.

- **DeliveryUnloaded(Barcode, UnloadTime, Latitude, Longitude, Pallets, Username, Password) returns String**

To be used to send the unloaded status from the mobile device at the delivery point. This function will return either the string "Success" or the error message if it fails.

Parameters:

- Barcode - String - The UPN allocated barcode for the consignment.
- UnloadTime – DateTime – The date and time the goods were unloaded at the delivery point.
- Latitude – Decimal – The latitude GPS coordinate from the mobile device.
- Longitude – Decimal – The longitude GPS coordinate from the mobile device.
- Pallets – Integer – The number of pallets being delivered.
- Username -String - unique to you to authorise access to the service.
- Password - String - unique to you to authorise access to the service.

- **DeliveryCompleted(Barcode, PODName, DeliveredTime, Latitude, Longitude, CleanPallets, DamagedPallets, SignatureImage, Username, Password) returns String**

To be used to send the delivered status from the mobile device at the delivery point. This function will return either the string "Success" or the error message if it fails.

Parameters:

- Barcode - String - The UPN allocated barcode for the consignment.
- PODName – String – The name of the person signing for the delivery.
- DeliveredTime – DateTime – The date and time the signature was obtained at the delivery point.
- Latitude – Decimal – The latitude GPS coordinate from the mobile device.
- Longitude – Decimal – The longitude GPS coordinate from the mobile device.
- CleanPallets – Integer – The number of pallets being delivered with a "clean" status.
- DamagedPallets – Integer – The number of pallets being delivered with a "damaged" status.
- SignatureImage – String – A Base64 encoding string version of the signature image.
- Username -String - unique to you to authorise access to the service.
- Password - String - unique to you to authorise access to the service.

- **DeleteImportedCon(Depot, Barcode) returns Boolean**

To be used to remove a consignment from the website. Consignments will only be removed if they haven't already been processed and signed off.

Parameters:

- Depot – Integer - This is the UPN depot number of your contracted haulier. Please contact them if unsure of what this number is.
- Barcode – String – The UPN allocated barcode for the job.

- **SaveScannedPOD(barcode, pageNo, POD, Username, Password) returns Boolean**

To be used to send a scanned POD image over to the UPN website. Please note the maximum image size (portrait) is 1080 x 760 pixels.

Parameters:

- Barcode - String - The UPN allocated barcode for the consignment.
- pageNo – Integer –The page number within the document. If unknown, please default to 1. N.B. The barcode text on the UPN additional routing labels is made up of the consignment barcode and the page number i.e. D12345C1 – the 1 at the end is the page number.
- POD – String – A Base64 encoded string of the image.
- Username -String - unique to you to authorise access to the service.
- Password - String - unique to you to authorise access to the service.

- **LQRequest(SendDepot, Author, ProductName, UnNo, PackingGroup, ReceptacleSize, ReceptacleType, CustomerName, Postcode, Username, Password) As String**

To be used to log an LQ request for freight due to be trunked into the Hub that night.

Parameters:

- SendDepot - Integer - The depot number of the member trunking in the pallet.
- Author – String – A contact name of someone at the sending depot.
- ProductName – String – The name of the product on the pallet.
- UnNo – Integer – The UnNo related to the product (typically four digits).
- PackingGroup – Integer – The packing group classification of the product.
- ReceptacleSize – Decimal – The size of the container.
- ReceptacleType – String – Either “L” for Litres or “K” for Kilograms.
- CustomerName – String – The name of the customer sending in the goods.
- Postcode – String – The postcode for the delivery address.
- Username -String - unique to you to authorise access to the service.
- Password - String - unique to you to authorise access to the service.

- **CreateRunsheets(RunDate, RunRef, VehicleReg, Depot, Jobs, Username, Password) As String**

To be used to create a new runsheet within the UPN website and allocate freight to it.

Parameters:

- RunDate - Date – The date the run is due to take place.
- RunRef – String – A plain text description/reference for the run.
- VehicleReg – String – The registration of the vehicle due to complete the run.
- Depot – Integer – The depot number for the depot completing the run.
- Jobs – String – An array of strings containing the barcodes to be added to the runsheet. The order the barcodes appear in the array determines the order the jobs appear on the runsheet i.e. the first job in the array is the first drop on the run.
- Username -String - unique to you to authorise access to the service.
- Password - String - unique to you to authorise access to the service.

- **ManifestToHub(ScanRecords(), VehicleReg, Depot, ManifestDate, ManifestID, Username, Password) As String**

To be used to create a new inbound manifest/load within the UPN website so it can then be used to create a journey for the SmartHUB app.

Parameters:

- ScanRecords - PalletScanRecord – An array of the custom structure.
 - VehicleReg – String(8) – The registration of the vehicle due to bring in the freight.
 - Depot – Integer – The depot number for the depot bringing in the freight.
 - ManifestDate – DateTime – The date the freight is due to be trunked into the Hub.
 - ManifestID – Integer – A **unique** number for the manifest/load.
 - Username -String - unique to you to authorise access to the service.
 - Password - String - unique to you to authorise access to the service.
- **AddPalletScan(ScanRecords(), Username, Password) As String**
To be used to create a pallet scan record for any of the scanning stages. This function can be called sending the barcodes in bulk or by sending individual requests by only adding a single value to the array.
Parameters:
 - ScanRecords - PalletScanRecord – An array of the custom structure.
 - Username -String - unique to you to authorise access to the service.
 - Password - String - unique to you to authorise access to the service.

Structures:

- **CustConsignment_V2**
The structure contains all the necessary information to successfully transfer a consignment across to the UPN system. All fields are compulsory unless otherwise stated.
 - **ConNo** – String(15) - Unique consignment number which will be used to track the consignment through the network.
 - **CustomerID** - Integer - Unique number for the inputting customer e.g. 10016. Please contact your contracted haulier to find out your relevant number.
 - **CustRef** - String(30) - This is an optional additional reference number for the consignment.
 - **DeliveryAdd1** - String(100) - First line of the delivery address.
 - **DeliveryAdd2** - String(100) - Second line of the delivery address.
 - **DeliveryCoName** - String(100) - Company name of the delivery point.
 - **DeliveryContactName** - String(100) - Contact name at the delivery point.
 - **DeliveryTown** - String(100) - The delivery point town.
 - **DeliveryCounty** - String(100) - The delivery point county.
 - **DeliveryCountry** – String(100) - The delivery point country. For the England or Scotland use “United Kingdom” and for Ireland use “Ireland”.
 - **DeliveryPhone** - String(15) - The delivery point contact number.
 - **DeliveryPostcode** - String(8) - The delivery point postcode.
 - **DeliveryDateTime** - DateTime - This is an optional field and only needs to be completed if the Booked or any of the Timed services are selected. If the Booked service is used, only the date will be used.
 - **Depot** - Integer - This is the UPN depot number of your contracted haulier. Please contact them if unsure of what this number is.
 - **DespatchDate** - DateTime - This is the date the consignment is being sent into the Hub.
 - **SpecialInstructions** - String(255) - Free text.
 - **TotalWeight** - Integer - This is the total weight of all the pallets in kilograms.
 - **MainService** - String(1) - This is the main delivery service and can be either:
 - **Priority** - The number ‘5’ should be used
 - **Standard** - The number ‘6’ should be used
 - **PremiumService** - String(2) - This is the additional service which is optional for each consignment.
 - **No additional service** - The number ‘0’ should be used
 - **Before 10** - The number ‘1’ should be used
 - **AM Delivery** - The number ‘2’ should be used

- **Timed** - The number '7' should be used
- **Saturday Timed** - The number '10' should be used
- **Saturday Before 10** - The number '11' should be used
- **Saturday AM** - The number '12' should be used
- **ExtraService** - String(2) - Extra services which are in addition to a main and premium service.
 - **No extra service** – The number '0' should be used
 - **Book-In** - The number '8' should be used
 - **Booked** - The number '9' should be used
 - **Out of Hours** - The number '13' should be used
- **TailLift** - String(1) - This parameter indicates whether a Tail-Lift is required. Simply enter a '0' if it is not required or '1' if a tail lift is needed.
- **PwkMode** - Integer - This parameter has three possible options:
 - 0 - No customers own paperwork
 - 1 - Customers own paperwork will be provided electronically, the signed version of which will **not** require sending back through the network.
- **PwkPages** - Integer - Indicates the number of pages of paperwork that is to be sent with the consignment.
- **ShortDesc** - String(300) - A short description of the goods on the pallet(s).
- **Pallets** - CustPallet() - An array (or list) of the custom type CustPallet. More details below.
- **DeliveryEmail** - String - The email address for the delivery point

- **NetworkCollectionRequest**

This structure contains all the necessary information to successfully create a third party collection request within the UPN system. All fields are compulsory unless otherwise stated.

- **ConNo** – String(15) - Unique consignment number which will be used to track the consignment through the network.
- **ReqDepot** - Integer - This is the UPN depot number of your contracted haulier. Please contact them if unsure of what this number is.
- **CustRef** - String(30) - This is a an optional additional reference number for the consignment.
- **DeliveryCoName** - String(100) - Company name of the delivery point.
- **DeliveryAdd1** - String(100) - First line of the delivery address.
- **DeliveryAdd2** - String(100) - Second line of the delivery address.
- **DeliveryTown** - String(100) - The delivery point town.
- **DeliveryCounty** - String(100) - The delivery point county.
- **DeliveryPostcode** - String(8) - The delivery point postcode.
- **DeliveryPhone** - String(15) - The delivery point contact number.
- **TotalWeight** - Integer - This is the total weight of all the pallets in kilograms.
- **DelInstructions** - String(255) - Free text, instructions/notes relating to the delivery leg of the collection.
- **DeliveryContactName** - String(100) - Contact name at the delivery point.
- **DeliveryCountry** – String(100) - The delivery point country. For the England or Scotland use "United Kingdom" and for Ireland use "Ireland".
- **DelMainService** - String(1) - This is the main delivery service and can be either:
 - **Priority** - The number '5' should be used
 - **Standard** - The number '6' should be used
- **DelPremiumService** - String(2) - This is the additional delivery service which is optional for each consignment.
 - **No additional service** - The number '0' should be used
 - **Before 10** - The number '1' should be used
 - **AM Delivery** - The number '2' should be used
 - **Timed** - The number '7' should be used

- **Saturday Timed** - The number '10' should be used
 - **Saturday Before 10** - The number '11' should be used
 - **Saturday AM** - The number '12' should be used
- **DelTailLift** - String(1) - This parameter indicates whether a Tail-Lift is required for the delivery. Simply enter a '0' if it is not required or '1' if a tail lift is needed.
- **DelExtraService** - String(2) - *Extra* services which are in addition to a main and premium service for the delivery leg of the journey.
 - **No extra service** – The number '0' should be used
 - **Book-In** - The number '8' should be used
 - **Booked** - The number '9' should be used
 - **Out of Hours** - The number '13' should be used
- **DeliveryDateTime** - DateTime - This is an optional field and only needs to be completed if the Booked or any of the Timed services are selected on the delivery leg. If the Booked service is used, only the date will be used.
- **CollectionCoName** - String(100) - Company name of the collection point.
- **CollectionAdd1** - String(100) - First line of the collection address.
- **CollectionAdd2** - String(100) - Second line of the collection address.
- **CollectionTown** - String(100) - The collection point town.
- **CollectionCounty** - String(100) - The collection point county.
- **CollectionPostcode** - String(8) - The collection point postcode.
- **CollectionPhone** - String(15) - The collection point contact number.
- **ColInstructions** - String(255) - Free text, instructions/notes relating to the collection leg of the collection.
- **CollectionContactName** - String(100) - Contact name at the collection point.
- **CollectionCountry** – String(100) - The collection point country. For the England or Scotland use "United Kingdom" and for Ireland use "Ireland".
- **ColMainService** - String(1) - This is the main collection service and can be either:
 - **Priority** - The number '5' should be used
 - **Standard** - The number '6' should be used
- **ColPremiumService** - String(2) - This is the additional collection service which is optional for each consignment.
 - **No additional service** - The number '0' should be used
 - **Before 10** - The number '1' should be used
 - **AM Delivery** - The number '2' should be used
 - **Timed** - The number '7' should be used
 - **Saturday Timed** - The number '10' should be used
 - **Saturday Before 10** - The number '11' should be used
 - **Saturday AM** - The number '12' should be used
- **ColTailLift** - String(1) - This parameter indicates whether a Tail-Lift is required for the collection. Simply enter a '0' if it is not required or '1' if a tail lift is needed.
- **ColExtraService** - String(2) - *Extra* services which are in addition to a main and premium service for the collection leg of the journey.
 - **No extra service** – The number '0' should be used
 - **Book-In** - The number '8' should be used
 - **Booked** - The number '9' should be used
 - **Out of Hours** - The number '13' should be used
- **CollectionDateTime** - DateTime - This is an optional field and only needs to be completed if the Booked or any of the Timed services are selected on the collection leg. If the Booked service is used, only the date will be used.
- **Pallets**- CustPallet() – An array (or list) of the custom type CustPallet. More details below.
- **DeliveryContactEmail** – String(120) – an optional contact email address for the delivery point. This is to be used only if the ASN is to be sent.

- **CustomerID** - Integer - Unique number for the inputting customer e.g. 10016. Please contact your contracted haulier to find out your relevant number.
- **ShortDescription** – String(300) – A short description of the goods on the pallet(s).
- **CustPallet**
 - **Pallet Type** – There are 5 different types of pallet available:
 - **Full** – This requires a code of 'F'.
 - **Euro** – This requires a code of 'E'.
 - **Half** – This requires a code of 'H'.
 - **Quarter** – This requires a code of 'Q'.
 - **Micro** – This requires a code of 'M'.
 - **Pallet Size** – There are 4 different sizes of pallet available:
 - **Normal** – This requires a code of 'N'.
 - **Oversize** – This requires a code of 'O'.
 - **Out of Gauge 2** – This requires a code of '2'.
 - **Out of Gauge 3** – This requires a code of '3'.
 - **Pallet Weight** – The weight of the individual pallet.
- **PalletScanRecord**
 - **PltBarcode** – String – The full UPN barcode for the pallet.
 - **ScanDateTime** – DateTime – The date and time the pallet was scanned.
 - **ScanEvent** – There are currently four different values:
 - Loaded_OnTo_Trunk
 - Arrived_At_Depot
 - Out_For_Delivery
 - In_Warehouse
 - **Reference** – String – An optional reference e.g. vehicle reg, trailer id etc.
- **CustomsInfoConsignment**
 - **CustEORI** – String – The unique EORI number for the consignor.
 - **DelEORI** – String – The unique EORI number for the delivery point. If the delivery point isn't commercial and doesn't have an EORI number, this field should be left blank and the next parameter set to True.
 - **Residential** – Boolean – Only set to true if the delivery address is residential and doesn't have an EORI number.
 - **GoodsValue*** – Decimal – The re-sale value of the goods on the consignment.
 - **IncoTerms*** – Enum – Choose one of the items within the enum.
 - **MRN*** – String – This is the Master Reference Number and is returned by HMRC once a customs declaration has been processed. This field should not be required for the majority of consignments.
 - **TSS*** – String – The Trader Support Service reference. This is no longer required and can be left blank.
 - **CMRRef*** – String – The CMR Reference for the consignment. Optional.
 - **InvoiceNo** – String – The commercial invoice number.
 - **Commodities** – Commodity() – An array of the various commodities contained within the consignment. This is a custom structure detailed below.

**field not required for jobs to Northern Ireland*
- **Commodity**
 - **CommodityCode*** – String – The unique code for this type of goods.
 - **GoodsDescription** – String(200) – A brief description of the goods.
 - **OriginCountry*** – Enum – Choose one of the items within the Enum.
 - **PackageType** – Enum – Choose one of the items within the Enum.
 - **Pieces** – Integer – The number of pieces of this commodity.

- **GrossWeight** – Integer – The total weight of this commodity (including packaging).
- **NetWeight*** – Integer – The NET weight of the commodity (excluding packaging).
- **Currency*** – Enum – Choose one of the items within the Enum.
- **VATCode*** – Enum – Choose one of the items within the Enum.
- **Value*** – Decimal – The purchase cost of this commodity.
- **Restrictions*** – Boolean – Are there any restrictions on this commodity.

**field not required for jobs to Northern Ireland*

Other notes:

Service Combinations

Main	Premium	Extra
Priority (5)		
Standard (6)		
Priority (5)	Before 10 (1)	
Priority (5)	Before 12 (2)	
Priority (5)	Timed (7)	
Priority (5)	Saturday - Before 10 (11)	
Priority (5)	Saturday - AM (12)	
Priority (5)	Saturday - Tim (10)	
Standard (6)	Before 12 - UK (2)	
Standard (6)	Timed - UK (7)	
Standard (6)		Book In (8)
Standard (6)		Booked (9)
Standard (6)	Timed (7)	Booked (9)
Standard (6)	Before 12 (2)	Booked (9)
Priority (5)		Out of Hours (13)
Standard (6)		Out of Hours (13)

Pallet Type and Size combinations

Full – Normal
 Full – Oversize
 Full – OOG 2
 Full – OOG 3
 Euro – Normal
 Half – Normal
 Half – Oversize
 Half – OOG 2
 Half – OOG 3
 Quarter – Normal
 Quarter – Oversize
 Quarter – OOG 2
 Quarter – OOG 3
 Micro - Normal

If you have any questions or queries you can contact your contracted haulier or alternatively email it@u-p-n.co.uk and we will respond as soon as possible.