United States Postal Service®

Technical Specifications

Informed Delivery® API

Mail and Package Campaigns

API Version 1.0 (v1)

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Preface

This comprehensive technical specification outlines the steps and criteria for submitting Informed Delivery interactive campaigns for Mail and Packages via the Informed Delivery API.

This document has been prepared for commercial shippers, mailers, marketers, or Information Technology (IT) staff members who use data to prepare or produce interactive Informed Delivery campaigns.

The technical specifications in this document provide an overview of the Informed Delivery campaign features, as well as the programming requirements for submitting Informed Delivery interactive campaigns via the Informed Delivery API.

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Email the USPS Informed Delivery API Support Team at USPSInformedDeliveryAPI@usps.gov with any questions or comments related to this guide.

Change History Log

Version	Date	Section	Release Functionality	Description
3.0	5/27/2021	2.3	n/a	Signing up for Shipper Campaign Portal – Changed section so that it refers back to the Package Campaign User Guide for instructions on signing up for the Shipper Campaign Portal instead of giving steps on doing this in CAT.
3.0	5/27/2021	2.3	n/a	Signing up for Shipper Campaign Portal – Adding back in the steps on signing up for the Shipper Campaign Portal in the CAT environment.
4.0	7/23/2021		3.2.0	Added Troubleshooting section Updated versioning of the API and Schemas Added new features – Edit, Query, Cancel and Delete Added section on the https protocol for USPS Added query string samples Update errors and added new ones for the new features added
4.0	3/1/2022	All	4.0.0	Reviewed all documentation and updated schemas to reflect changes made to new features – Edit, Query, Cancel and Delete. Added Mail Campaign features and configurations. Updated the new IDServerError format for Web Tool and Informed Delivery server-side errors.
4.0.1	6/1/2022	All	4.0.1	Added the TargetAPI tag to all messages to accommodation the addition of Mail Campaigns. Added verbiage for barcode-count field being 0 for MID and SEQ campaigns Added verbiage indicating that eq cannot be used on datetime fields in queries – must use lt, lte, gt, gte on datetime fields and provide two parameters to query a range of dates. Added verbiage on how to handle special characters in the Target URL and other text fields. Updated the RideAlongTargetURL and RideAlongImage fields to a capital A for "Along" in Create Campaign and Edit Campaign Requests.
4.1.0	9/1/2022	All	4.1.0	Updated all schemas to version 4.1.0 Created the new schemas (v4.1.0) to support asynchronous Add Barcode Callback features for Mail API: -IDQueryBarcodeErrorDetailRequest/Response -IDQueryCallbackKeyLookupRequest/Response -IDQueryCallbackKeyResponse Updated IDAddBarcodeRequest schema to disable the RideAlongTargetURL element Updated IDAPI_Base schema as follows: -Added the simpleType DateNumberValueComparisonOperatorsType to support only Date, DateTime, and Number comparisons. -Modified the CallbackkeyLookupQueryType attribute ValueComparisonOperator to use the new type "idapi_base:DateNumberValueComparisonOperatorsType" -Removed the CaseInsensitiveSearch attribute from the CallbackKeyLookupQueryType. This type only supports Date, DateTime, and Number comparisons so there is no need for case.

				-Added usps-campaign-id, total-barcodes, total-barcodes-added, and total-barcodes-failed as sortable columns to the CallbackKeyLookupSortableColumnsType. - Changed the enumeration value in type CallbackErrorSortableColumnsType from error-code to barcode-msg-code - Changed the enumeration value in type CallbackErrorQueryableColumnsType from error-code to barcode-msg-code The WebToolsBasicErrorResponse schema has been retired and is no longer supported.

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1   Program Overview

Informed Delivery is an optional, free feature that gives residential and PO Box™ consumers the ability to digitally preview their mail and manage their packages arriving soon. Participating commercial mailers and shippers can conduct an Informed Delivery interactive campaign by providing USPS with supplemental content: a Ride-along Image, a Target URL, and a Representative Image.

The required Ride-along Image is a clickable color image that directs the user to the Target URL. This supplemental content allows Informed Delivery users to take immediate action on mailpieces and helps bridge the gap between the physical and digital world. The Representative Image (available only on mail campaigns) is a color image chosen by the mailer that will be used in place of the scanned grayscale image of the mailpiece. The Representative Image is optional for Letters but required for Flats.

For Package campaigns, shippers can conduct Informed Delivery interactive campaigns by providing USPS with supplemental content in the form of a Ride-along Image and a Target URL. Representative Images are not used in package campaigns.

1.1   Informed Delivery Consumer View

Informed Delivery users can view grayscale images of Letter mail processed through automation equipment. Supplemental content from participating commercial mailers is made available via email notification, an online dashboard, or the USPS mobile app. With Informed Delivery, consumers can see what is coming to their mailbox anytime, anywhere — even while traveling.
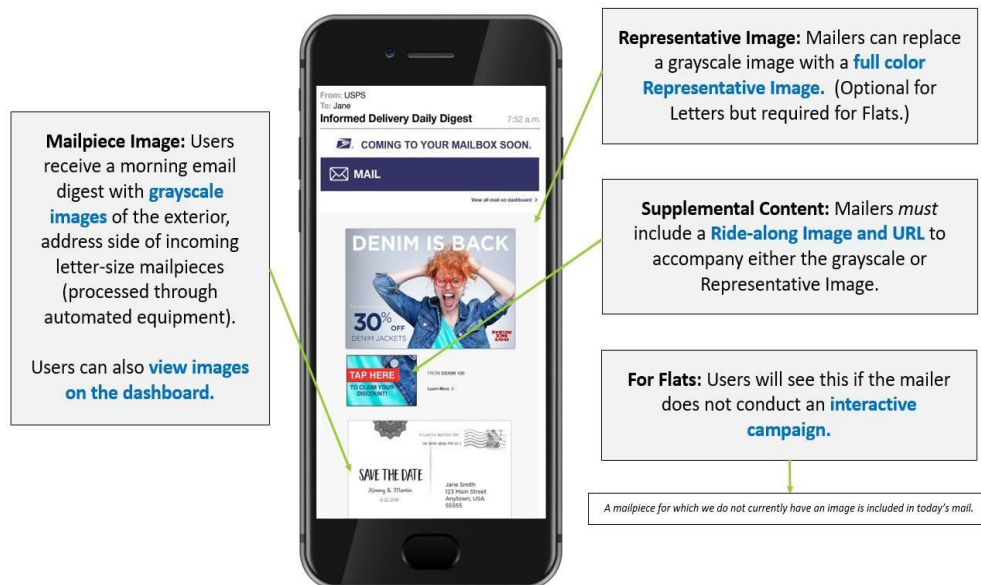
Figure 1: Informed Delivery Consumer View in Daily Digest - Mail Campaign Example

Package campaigns appear below the mail section and include information on packages **Arriving Today** and **Arriving Soon**. See below for an example of what the Daily Digest email looks like with a package campaign present.
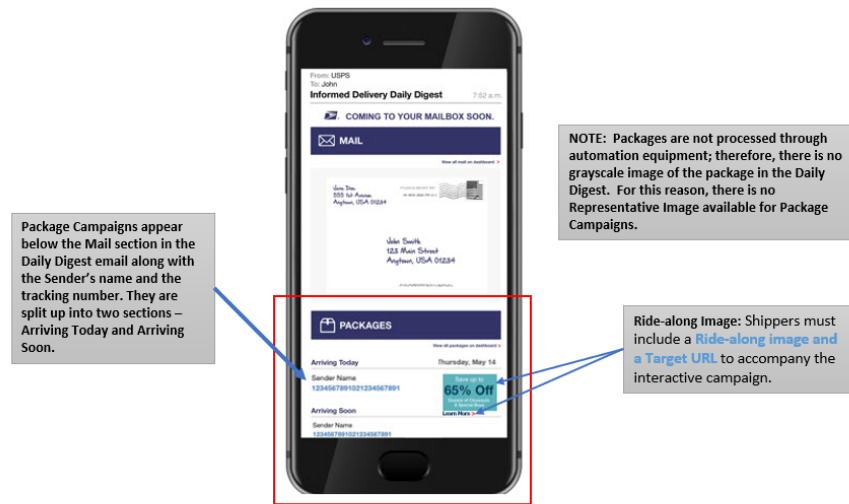
Figure 2: Informed Delivery Consumer View in Daily Digest - Package Campaign Example

1.2   Processing Category/Shape Information

USPS uses existing processes that provide a digital image of the exterior of mailpieces as they are processed through automation equipment. These images are then used to provide digital notifications to users in advance of the delivery of physical mail. Therefore, a mailpiece must be *automation compatible* and scanned through USPS automation equipment in order to be presented to an Informed Delivery user.

USPS digitally images the address side of every Letter and Card that runs through automation equipment and shares those digital images with Informed Delivery users.

Unlike Mail, Packages are not scanned through USPS automation equipment, so Package campaigns do not display a scanned grayscale image of the package on the dashboard. When conducting an interactive campaign on packages, USPS only requires shippers to provide a Ride-along Image and Target URL with the campaign data.

1.3   Informed Delivery Campaign Data Elements

1.3.1   Mail Campaign Data Elements

For more detailed information on Informed Delivery campaign features and requirements as well as general Informed Delivery Program information, visit the *Informed Delivery for Business Mailers* website. All mailers must review the materials below prior to conducting Informed Delivery Mail campaigns:

> *Informed Delivery Overview*
> *Interactive Campaign Guide*
> *Campaign Image Requirements*
> *Interactive Campaign FAQs*
> *User and Household Data*
> *Informed Delivery Mailer Campaign Portal Tutorial*

1.3.2   Package Campaign Data Elements

For more information on Package Campaign features and requirements, refer to the ***Package Campaigns User Guide***. All Shippers must review this document prior to conducting Informed Delivery Package campaigns.

1.4   Campaign Treatment Application Process

Campaign treatment is defined as a set of images (Ride-Along Image and Representative Image) and the Target URL that are applied to a mailpiece IMb or package IMpb. Upon receipt of the scan and imaging data from Mail Processing Equipment (MPE), the Informed Delivery application matches the IMb/IMpb MID/Serial combination or full barcode to a campaign in Informed Delivery and applies the associated campaign treatment to the mail pieces for consumer view.

1.5   Informed Delivery Campaign Reports

1.5.1   Mail Campaign Reports

Mail Pre-Campaign Analysis and Post Campaign Reports are available in the Informed Delivery Mailer Campaign Portal (MCP). See the ***Mailer Campaign Portal User Guide*** on the MCP for more information. The latest version of this document along with other useful documentation are posted on the MCP under How It Works.

Informed Delivery Mail Post Campaign Report details are also integrated into Informed Visibility Mail Tracking and Reporting® (MTR®). This enables business mailers to view Informed Delivery post campaign data including email opens, click-through rates and delivery dates from a single application.

- Mail Tracking (Scan) Data is event-based data and allows mailers to see where their mail is in the network.
  - For additional information about the Informed Delivery-IV MTR feature, please reference the *Informed Delivery-IV MTR User Guide* found on the IV-MTR PostalPro™ page. This user guide describes prerequisites for receiving mail tracking data through IV-MTR, the data provisioning options available, and how to use the application.

    Informed Delivery Post Campaign (IDPC) Detailed Data includes: click-throughs, email opens, delivery dates, recipient ZIP, and image placement in email.
    Information regarding the Informed Delivery data that is provided by IV-MTR can be found in the *Informed Visibility-Informed Delivery Data Dictionary* (XLS 31.6 KB) and *Post-Campaign Sample Data Set* (XLS 13.1 KB) on the Informed Delivery Business Mailer's website.

1.5.2   Package Campaign Reports

Post Campaign Reports for Package campaigns will be available soon. See the ***Package Campaigns User Guide*** for more information.

1.6   Informed Delivery Application Programming Interface (API)

The Informed Delivery API allows integrators to access the Campaign Management features of Informed Delivery via an Application Programming Interface (API). The Informed Delivery API can be accessed with valid Business Customer Gateway (BCG) credentials and granted service-function access (defined in Section 2, Informed Delivery API – Onboarding). The Informed Delivery API is based on Extensible Markup Language (XML) and follows the REST API model.

2   Informed Delivery API – Onboarding

2.1   Overview of Steps for ID API Onboarding

Step 1 – Support Contact Information

Informed Delivery Support Teams and Roles

Two USPS teams support the Informed Delivery (ID) API.   Application support roles for the Informed Delivery API are outlined below.

Contact Email
USPSInformedDeliveryAPI@usps.gov
IDPackageCampaigns@usps.gov
USPSInformedDeliveryCampaigns@usps.gov

ID API - Informed Delivery API Team

The ID API team responds to all Informed Delivery API questions, including integration, onboarding, Customer Acceptance Testing (CAT), and production support.

IDPO - Informed Delivery Package Campaigns

The Informed Delivery Program Office (IDPO) handles all Informed Delivery Package Campaign questions, including general campaign questions related to supplemental content specifications, the Shipper Campaign Portal (SCP), and reporting.

IDPO - Informed Delivery Mail Campaigns

For all general Informed Delivery Mail Campaign questions, including general campaign questions related to supplemental content specifications, the Mailer Campaign Portal (MCP), and reporting.

Step 2 – Reference Materials

Review Reference Materials

Before conducting any campaigns, please read through the ***Package Campaigns User Guide*** or the *Informed Delivery Interactive Campaign Guide*, depending on what types of campaigns you intend to create. These documents can be obtained by sending a request to **IDPackageCampaigns@usps.gov** or **USPSInformedDeliveryCampaigns@usps.gov**.

Step 3 – Send Email to the USPS Informed Delivery API Team

Email the Informed Delivery API Team at USPSInformedDeliveryAPI@usps.gov stating your intent to start testing Informed Delivery Campaigns via the Informed Delivery API. Please provide the following information:

Point of Contact Name

Phone Number

Name of Company

Step 4 – Confirmation of Existing BCG CAT Account(s)

Coordinate with your organization's IT/Business department and the USPS API Team to determine if the organization has previously submitted mail or package campaigns in the Business Customer Gateway (BCG) Customer Acceptance Testing (CAT) environment.

If the organization **has not** previously participated in BCG CAT testing, then go to **Step 5** to create a new CAT BCG account**.**

If the organization **has** previously participated in BCG CAT testing, then go to **Step 6**.

Step 5 – Set Up a New BCG CAT Account

Request a new CAT BCG account by following the steps below. (Note: Production accounts cannot be used to test in the CAT system. *You must have separate CAT credentials with associated CAT MID and CRID to test in CAT.*)

Your Notes

Visit the USPS **BCG CAT** Environment.
(https://gateway-cat.usps.com/eAdmin/view/signin)

Create a CAT BCG account:

1. Click the *Sign Up for the BCG* button**.**

2. Create a username and password

3. Select security questions

4. Provide phone and email contact information

5. Provide company name, information, and address

For detailed instructions, see Section 2.2 – Creating a Test (CAT) BCG Account and Permit for Testing.

Once the above is completed, a BCG Business Account will be granted. The user will be automatically assigned a new CAT BCG Customer Registration Identification (CRID) and Mailer ID (MID). (Note: The CRID and MID are only for use in CAT and cannot be used in the production environment.)

After completing step 3, your CRID and MID credentials will appear on the application interface. Additionally, a confirmation of the credentials will be sent to the registered email address on file. Make note of these credentials below or in the *Your Notes* section to the right. This will be needed to submit any jobs in the CAT environment.

If you are not the (Business Service Administrator) BSA, you may need to wait for approval from your assigned BSA before you can use the new CAT BCG account. Contact MSSC@usps.gov if you need assistance with this.

Email the Informed Delivery API Team with the following information:

CRID:
MID:
Company Name:
Address:
Point of Contact:

Request access to the WT2API Service and Service-Function you intend to use:

> Package - WT2RMINCAMPAIGN
> Mail - WT2RMINMAILCAMPAIGN

Sign up for the Shipper Campaign Portal (SCP) or Mailer Campaign Portal (MCP) in the BCG. See Section 2.3 for more information.

Step 6 – Use existing BCG CAT Account

If your organization has participated in *PostalOne!* CAT testing before, please acquire your organization's *PostalOne!* CAT credentials and note them below. If the credentials are not accessible (the responsible party no longer works at the company or password is not known), contact **MSSC@usps.gov** for assistance.

Your Notes

- Username:

- Password:

- Customer Registration ID (CRID):

- Mailer ID (MID):

- Permit Account Number:

- ZIP Code™ related the Permit:

NOTE: If the previously created account information cannot be acquired, then a new account will need to be created.   See *Section 2.2* – Creating a Test (CAT) BCG Account and Permit for Testing.

2.2   Creating a Test (CAT) BCG Account and Permit for Testing

Step 1. Go to *https://gateway-cat.usps.com/eAdmin/view/signin*

Step 2. Click the **Sign Up for the BCG** button.
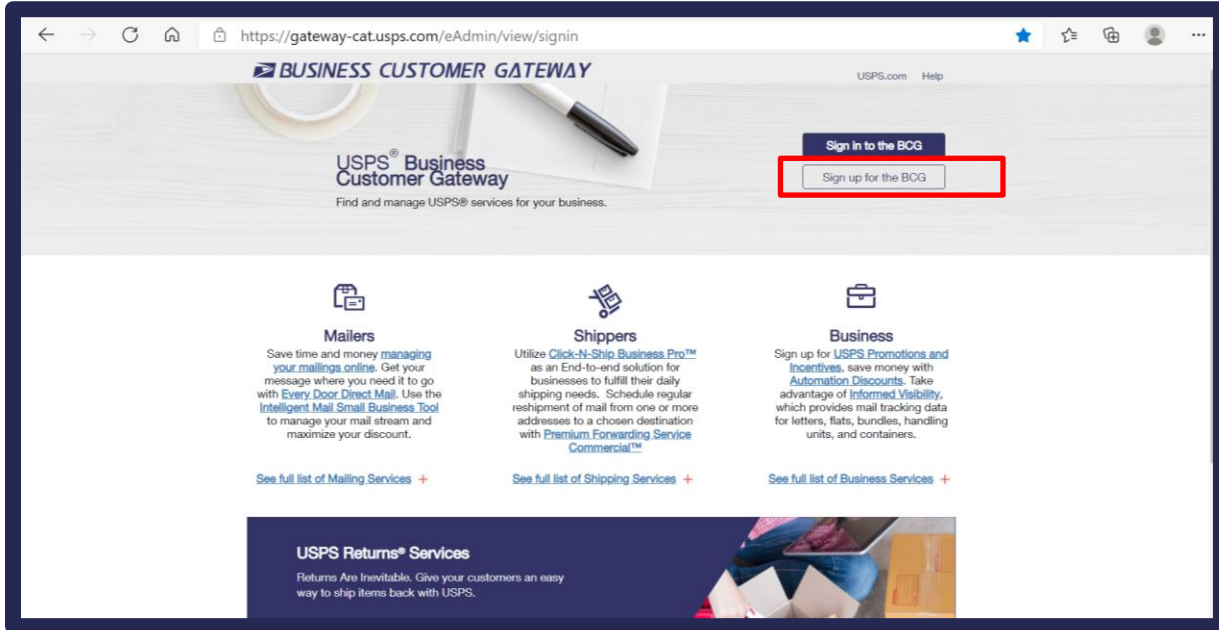
Step 3. Select a username to enter in the *Pick a Username* box. Enter your Password and fill out the security question information.
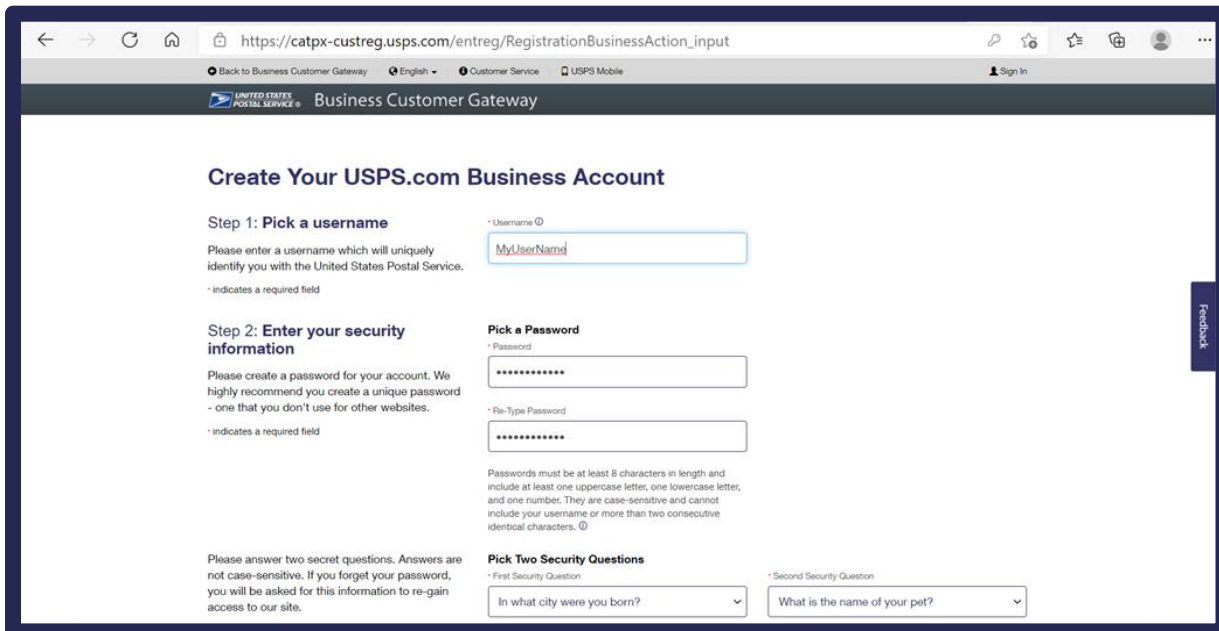
Step 4. Enter contact information for the account.

Step 5. Enter address information for the account, then click the **Verify Address** button.

Step 6. Choose one of the valid mailing addresses on the right under **Possible Addresses** by clicking the radio button next to the address and clicking the **Continue** button.
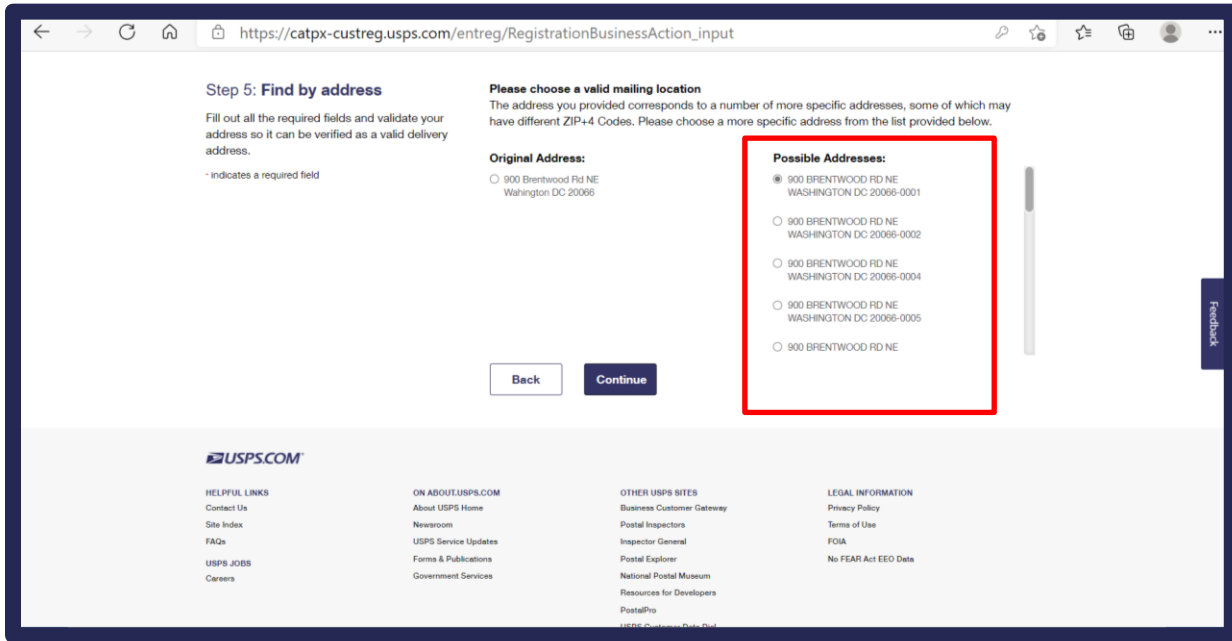
Step 7. Choose an existing record if it matches the original address you entered by clicking on the radio button to the left of the address under **Existing Records**. If none of them match, click the radio button next to Original Address. Click **Continue**.
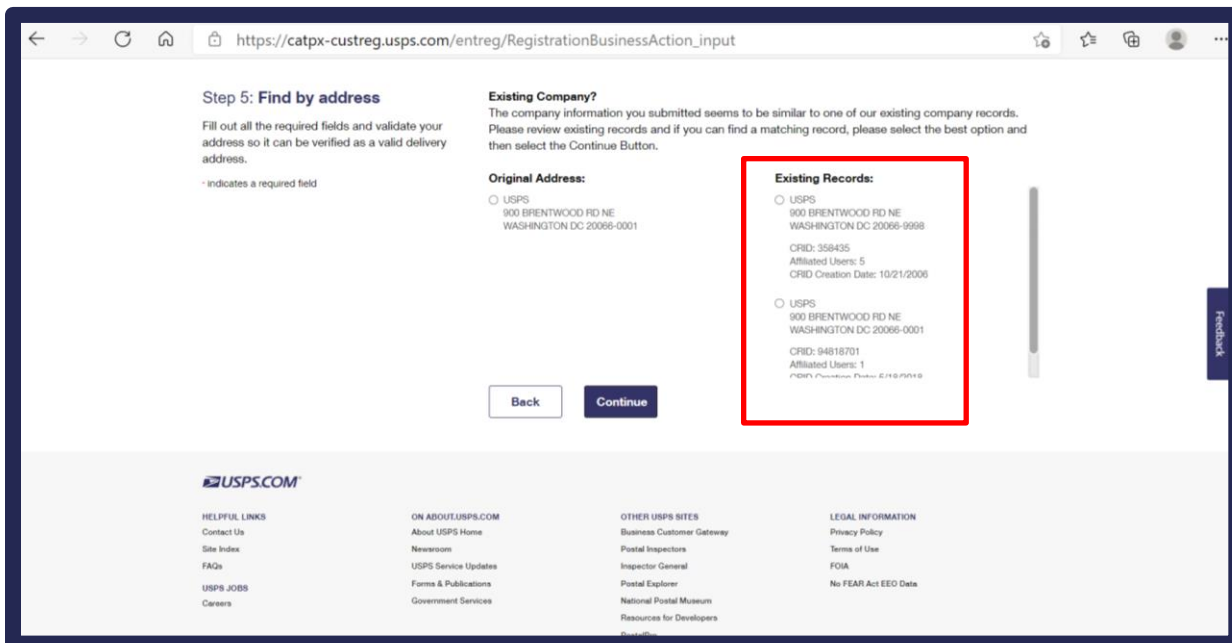
Step 8. Review the privacy policy and acknowledge it by clicking the **Create Account** button.
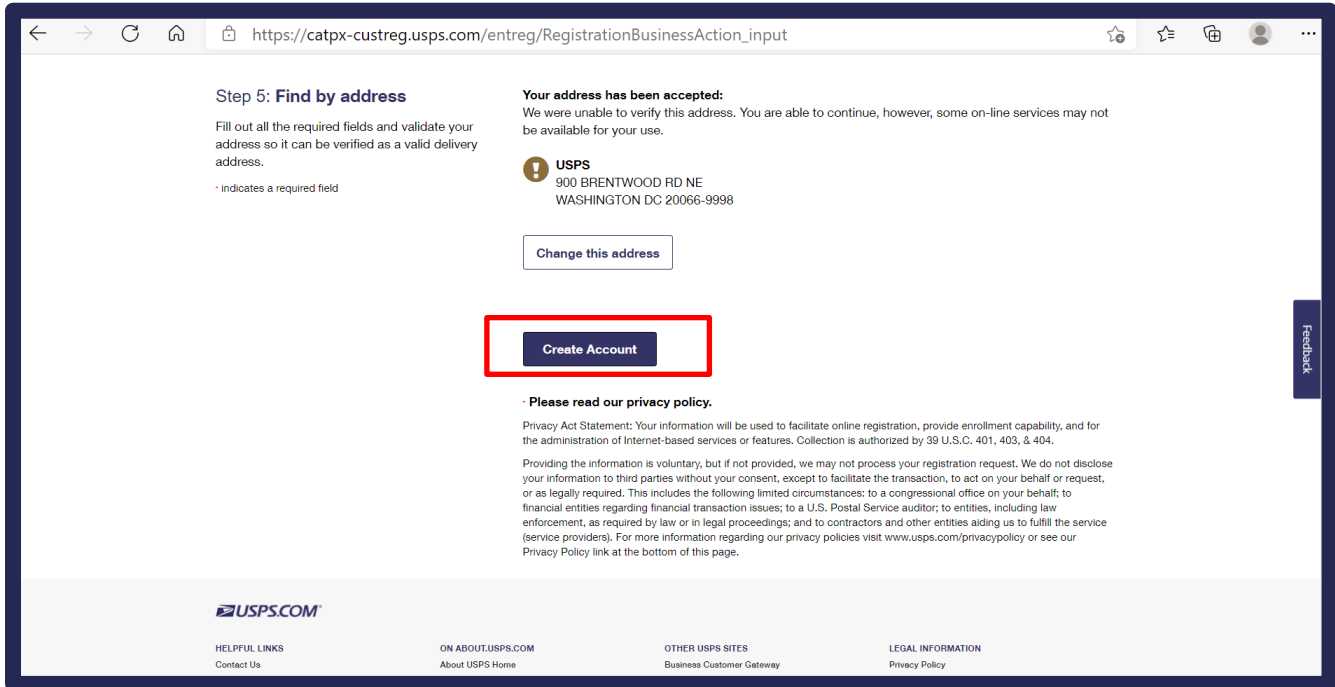
Step 9. If account creation is successful, the screen will display "***And you're registered!***" Wait for the page to be redirected for the next step. This should just take a few seconds.
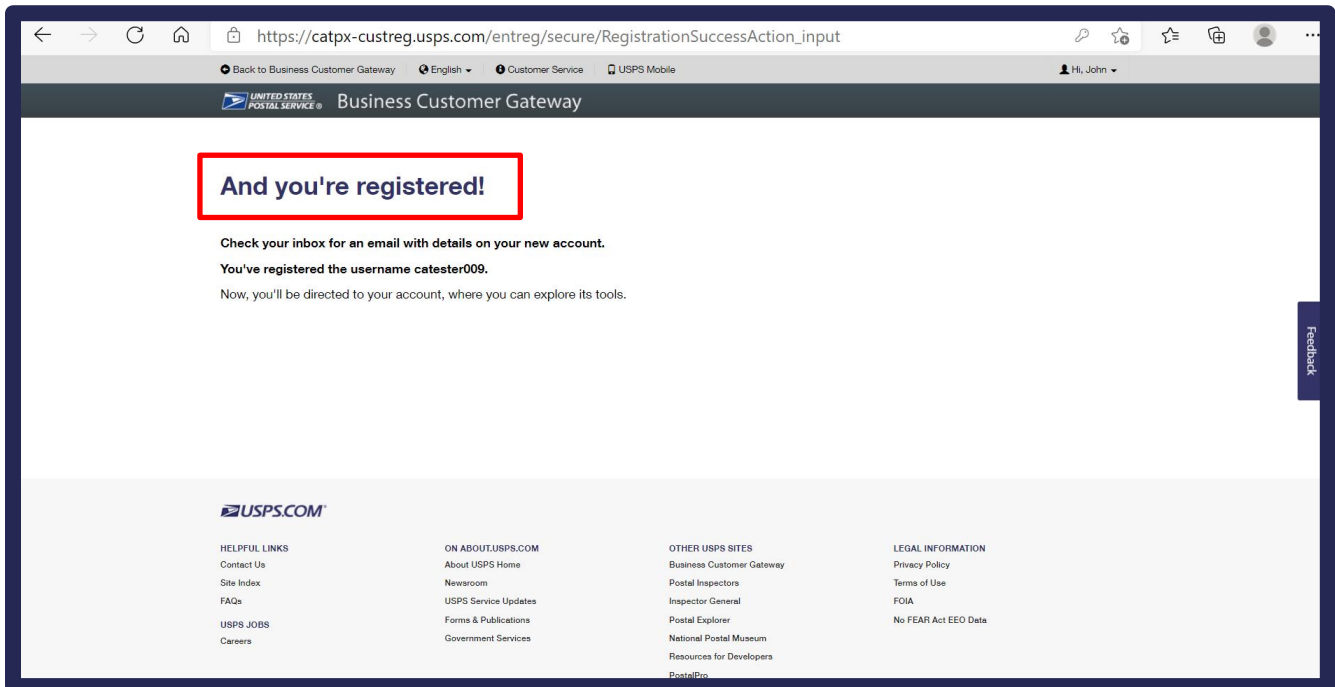
Step 10. You will be redirected to the below screen to verify your account information. Review your account information and the *Terms and Conditions* carefully. If you are asked to agree to become the BSA for any services that do not have one assigned, make sure you select *Yes*. Click the **Continue** button.
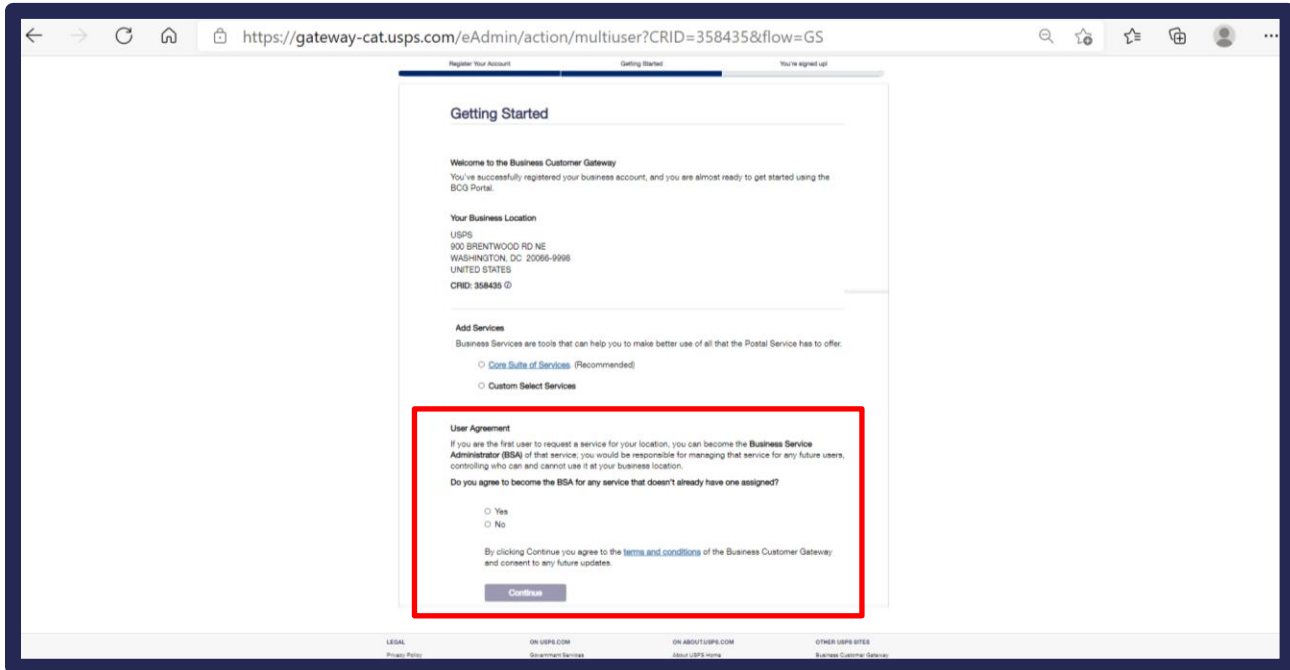
Step 11. Next, you will be brought to the final page with the statement *"You're signed up!"* ***Make sure you write down the new account information, including the business location address and the new CRID and MID***. Once you have done so, click the **Continue** button at the bottom of the screen.
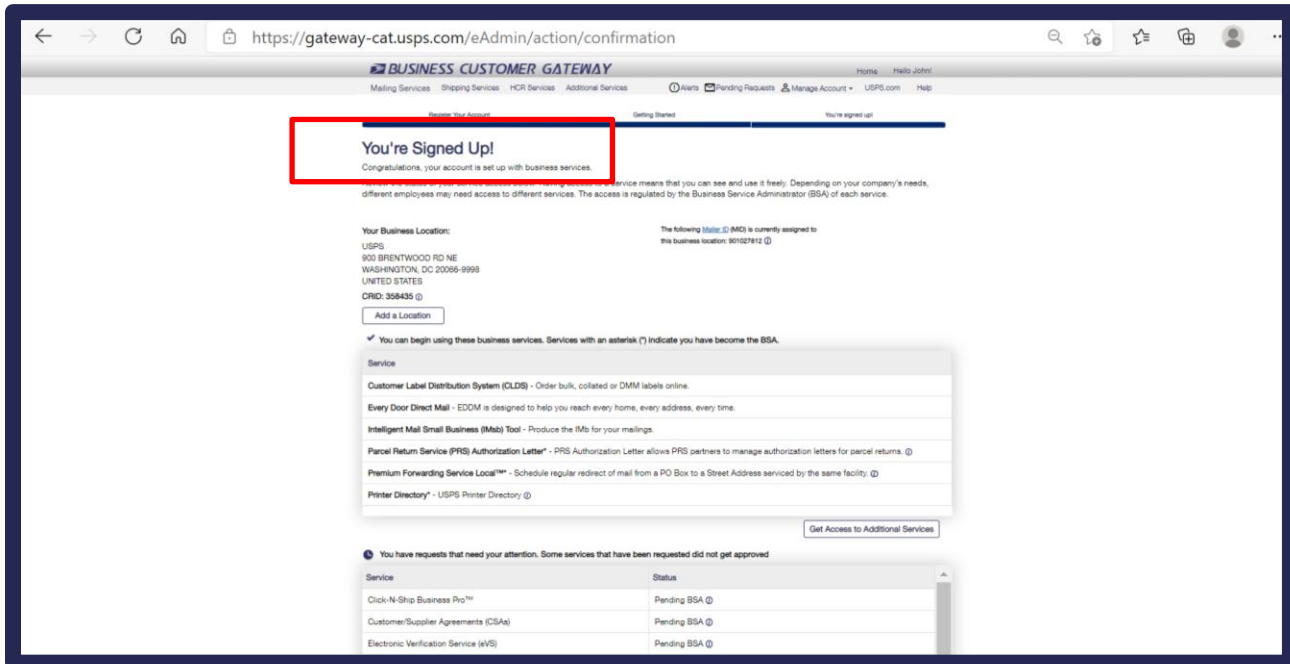
Step 10. You will then be brought to the main CAT BCG page.
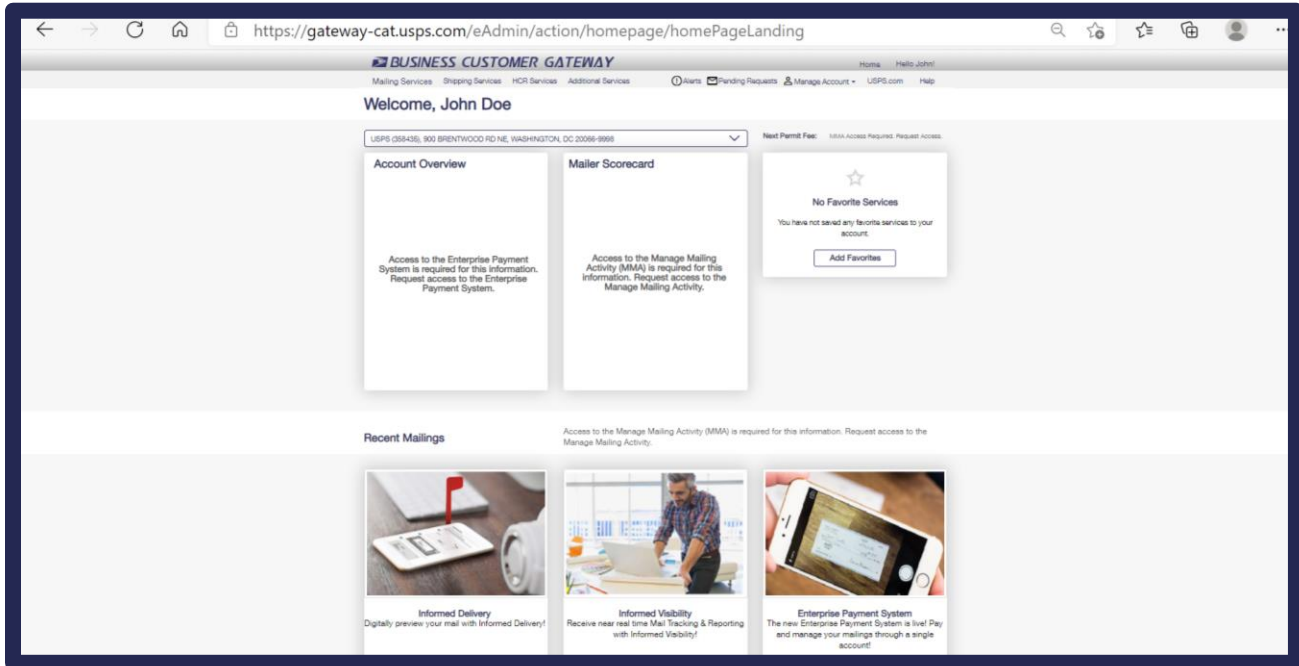
Your CAT BCG account set up is now complete!

2.2.1   BSA Information

If you select *No* to the question agreeing to be the Business Service Administrator (BSA) for any services that do not already have a BSA, your request will be pending until the BSA approves it. If a BSA is not currently assigned, the request for access will not be approved. If available, always select *Yes* in case a BSA has not yet been assigned.
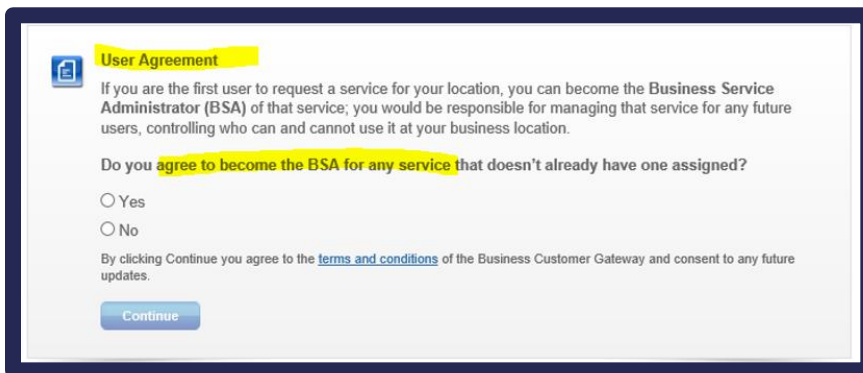
If a **BSA** is already assigned, you can find out who the BSA is by navigating to **Manage Account** – **Manage Services**. In that section under **Manage Mailing Activity**, you can find out who the BSA is for the service you are requesting. That person will need to approve the user's request for access to Manage Mailing Activity. Click on **Not You** next to **Manage Mailing Activity** to see the name of the BSA responsible for approving your access.

2.3 Signing up for Shipper or Mailer Campaign Portal in Testing (CAT) BCG

Step 1. Go to https://gateway-cat.usps.com/eAdmin/view/signin

Step 2. Click on the **Sign in to the BCG** button.
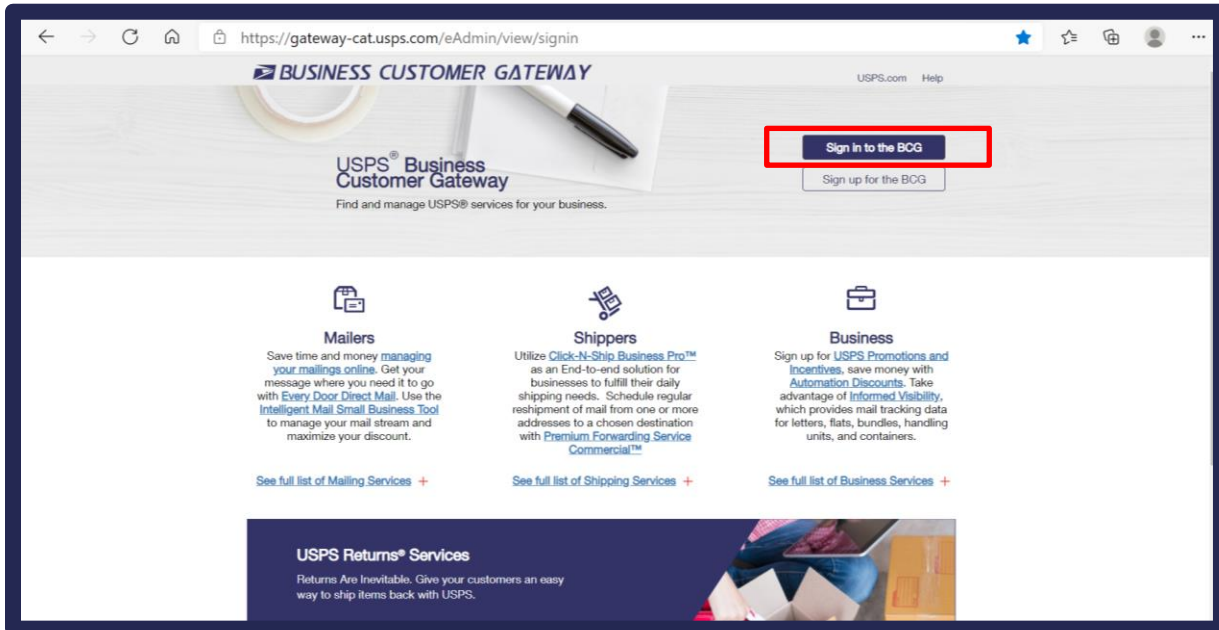
Step 3. Enter the username and password for the CAT BCG credentials you just set up in the previous section (or existing credentials that you may have access to for CAT BCG).
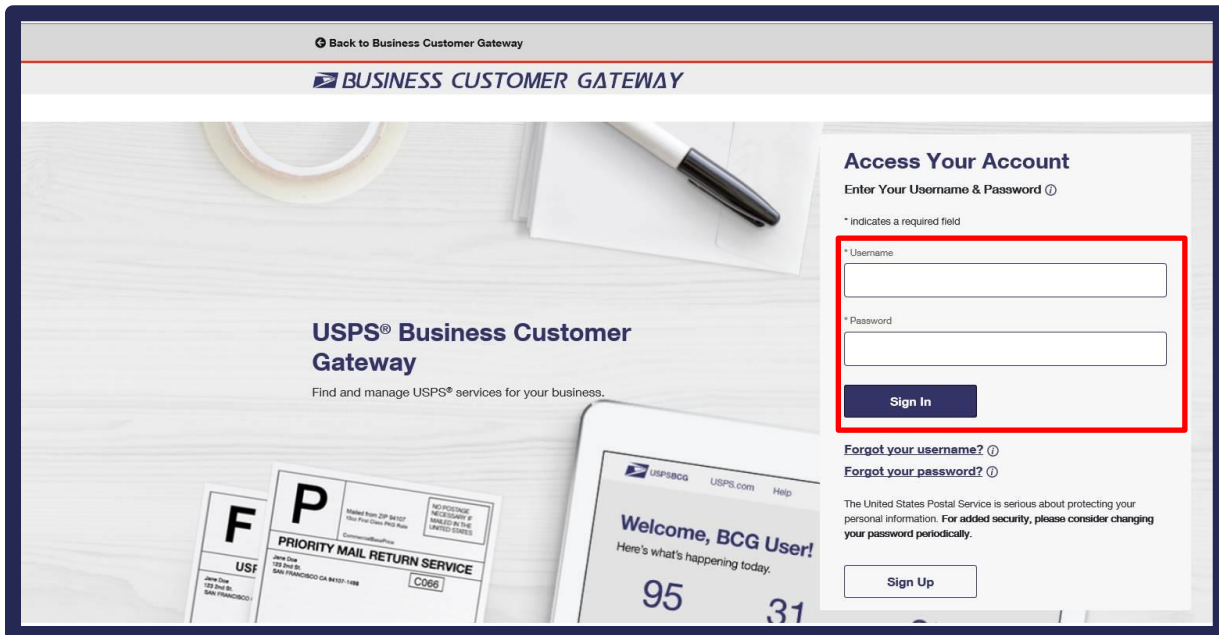
Step 4. Click on **Additional Services** from the top menu bar.
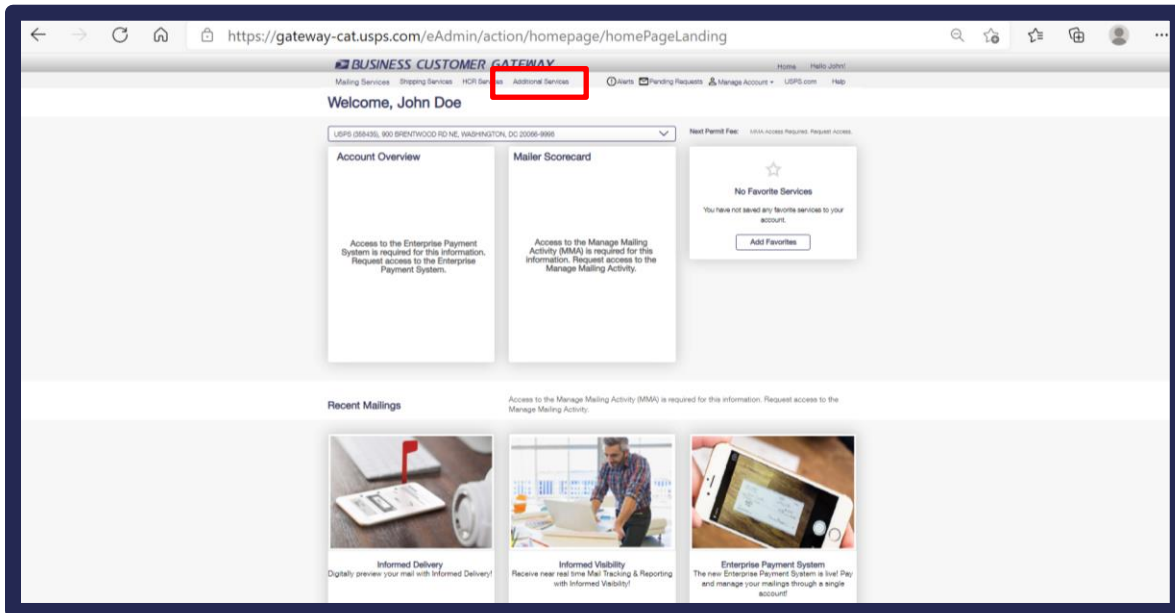
Step 5. Click on the **Get Access** button to the right of the **Informed Delivery Shipper Campaign Portal** or the **Informed Delivery Mailer Campaign Portal,** depending on which type of campaigns you will be creating. If you see the blue **Go to Service** button, you already have access to the service.
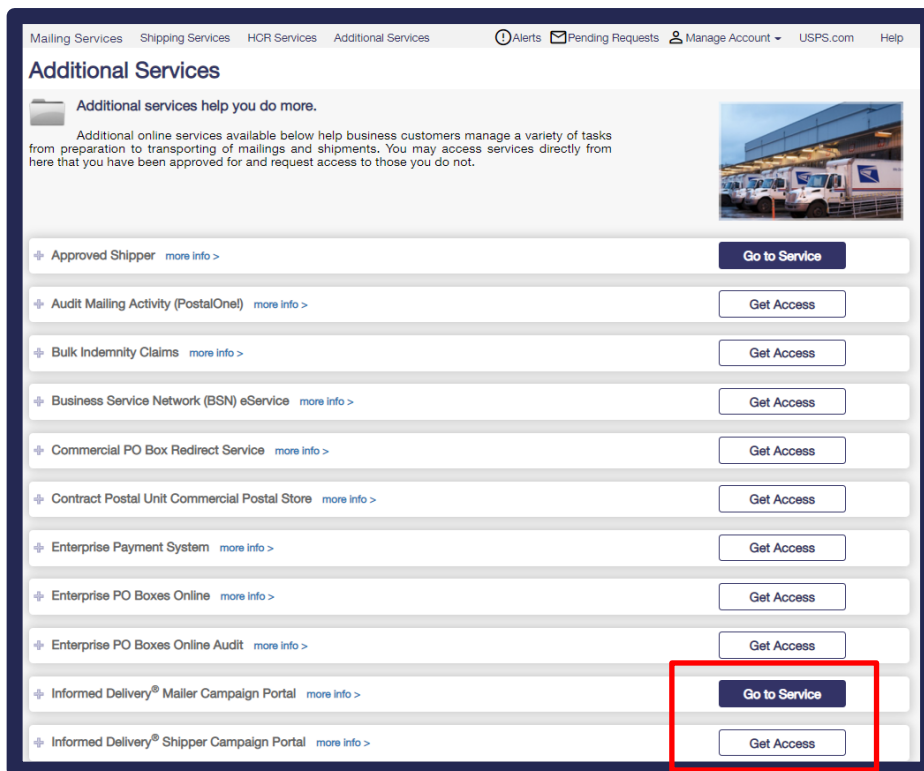
(Note: Signing up for these services will initiate the process that grants your CRID the permissions needed to submit campaigns via the API.

Step 6. The **Get Access** button will change to "Pending Help Desk." Once the Help Desk approves your request, the button will change to **Go To Service**. The registered email on the account will receive an email confirming the pending status, and once it has been processed by the Help Desk, you will receive an email informing you of the status change.

2.4   Recommended CAT Testing – Prior to Production

Campaign Testing Scenarios

The following test scenarios are highly recommended for Informed Delivery API Create Campaign and Add Barcode submissions prior to submitting requests in Production.

Mailer Information

Mailer Name	
Mailer Email Address	
Mailer Phone Number	

Informed Delivery API CAT Testing Scenarios

Test #	Test Name	Type	Test Description	Test Date
1	Create Campaign – Mail or Package	Positive	Submit **Create Campaign Request** to successfully create a campaign.	
2	Campaign Uniqueness – Mail or Package	Negative	Submit second **Create Campaign Request** with the same Campaign Code, Campaign Grouping Code and Campaign MID from Test 1 – This should fail the uniqueness test.	
3	Same Campaign Code – Different Campaign Grouping Code. Package Campaigns only	Positive	Submit a second **Create Campaign Request** where the Campaign Code is the same as a prior success request, but the Campaign Grouping Code is different. This should successfully create a second campaign with the same Campaign Code under a different Campaign Grouping Code.	
4	Add Barcodes to *Submitted* Campaign NON-SEQ (A01) campaigns only	Positive	Submit **Add Barcode Request** to an existing campaign in "Submitted" status. This will add barcodes to the campaign.	
5	Add Barcodes to *Active* Campaign NON-SEQ (A01) campaigns only	Positive	Submit **Add Barcode Request** to an existing campaign in "Active" status. This will add barcodes to the campaign.	
6	Add 25 Barcodes NON-SEQ (A01) campaigns only	Positive	Submit **Add Barcode Request** to an existing campaign that contains 25 barcodes in a single message. This will add 25 barcodes to the campaign.	
7	Add More Than 25 Barcodes NON-SEQ (A01) campaigns only	Negative	Submit **Add Barcode Request** to an existing campaign that contains more than 25 barcodes in a single message. This should fail since the maximum allowed is 25.	
8	Edit Campaign	Positive	Submit an **Edit Campaign Request** to edit one or more elements of an existing campaign. (Ex: Campaign Title)	

9	Delete Campaign	Positive	Submit a **Delete Campaign Request** to delete a campaign in Submitted status.	
10	Cancel Campaign	Positive	Submit a **Cancel Campaign Request** to cancel a campaign in Active status.	
11	Query Single Campaign	Positive	Submit a **Query Campaign Request** to query a single campaign's details.	
12	Query Campaigns – Collection	Positive	Submit a **Query Campaign Request** to query a collection of campaigns using either the AdHoc or EZSearch options.	
13	Add Barcode – Asynchronous Mail API only	Positive	Submit an **Add Barcode Request** with more than 25 barcodes so that Informed Delivery processes it asynchronously and returns a Callback Key in the response.	
14	Query Callback Key Mail API only	Positive	Submit a **Query Callback Key Request** to obtain the status on the asynchronous Add Barcode Request.	
15	Query Callback Key Lookup Mail API only	Positive	Submit a **Query Callback Key Lookup Request** to query all Callback Keys for Submitter CRID.	
16	Query Barcode Error Mail API only	Positive	Submit a **Query Barcode Error Detail Request** to obtain a collection of the detailed errors on all barcodes that failed in an asynchronous Add Barcode Request.	

2.5   Quick Start – Setting Up a Testing Environment

2.5.1   How to Set Up an API Create Campaign CAT Test Environment Using Postman

1. Select POST from the method drop down menu.
2. Type https://stg-secure.shippingapis.com/shippingapi.dll as the endpoint for the method.
3. Select Body from the list of parameters: (Params, Authorization, Headers, Body, etc.).
4. Click the x-www-form-urlencoded radio button.
5. Create the Key/Value pairs:
6. Create a Key/Value pair for API by typing the following in the first set of Key/Value fields:
    a.   Key = API; Value = IDCreateCampaign
7. Create a Key/Value pair for XML by typing the following in the next set of Key/Value fields:
    a.   Key = XML; Value = cut and paste full xml request here
8. Click the Send button to send the request.
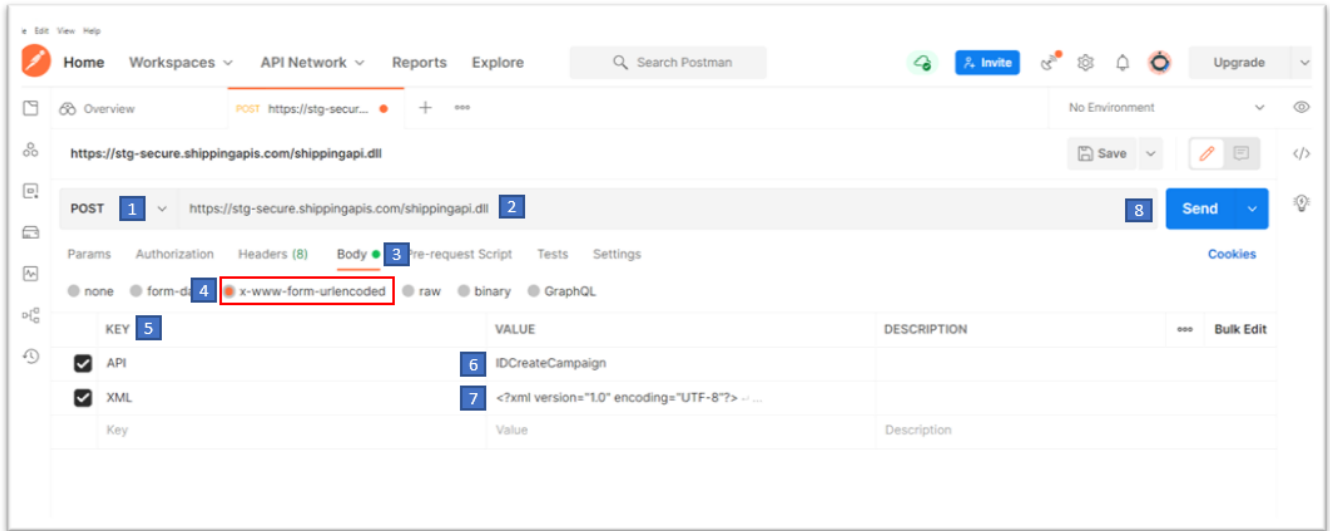
Figure 3: Example of How to Set Up Postman

The interface should return a status of "200 OK" along with the response message in the **Body**.

Figure 4: Example of a successful response

2.5.2 How to Set Up an API Create Campaign CAT Test Environment Using ReadyAPI

1. Select **POST** from the method drop down menu.
2. Type https://stg-secure.shippingapis.com in the Endpoint text box.
3. Type */shippingapi.dll* into the Resource text box.
4. Click **Request** from the list of parameters (Request, Raw, Outline, Form).
5. Select **application/x-www-form-urlencoded** from the Media type drop down menu.
6. Check the checkbox next to **Post QueryString** to select it.
7. Create Key/Value pair for API by typing the following in the first set of Key/Value fields:
   Key = *API*, Value = *IDCreateCampaign*
8. Create Key/Value pair for XML by typing the following in the next set of Key/Value fields:
   Key = *XML*, Value = cut and paste from the xml request
9. Choose the type of **QUERY** from the drop down box for each of the Key/Value pairs.
10. Click the **Send** button to send the request.
11. ReadyAPI should return a response in the Response section in either XML, JSON, HTML, Raw, Outline, or Overview format.
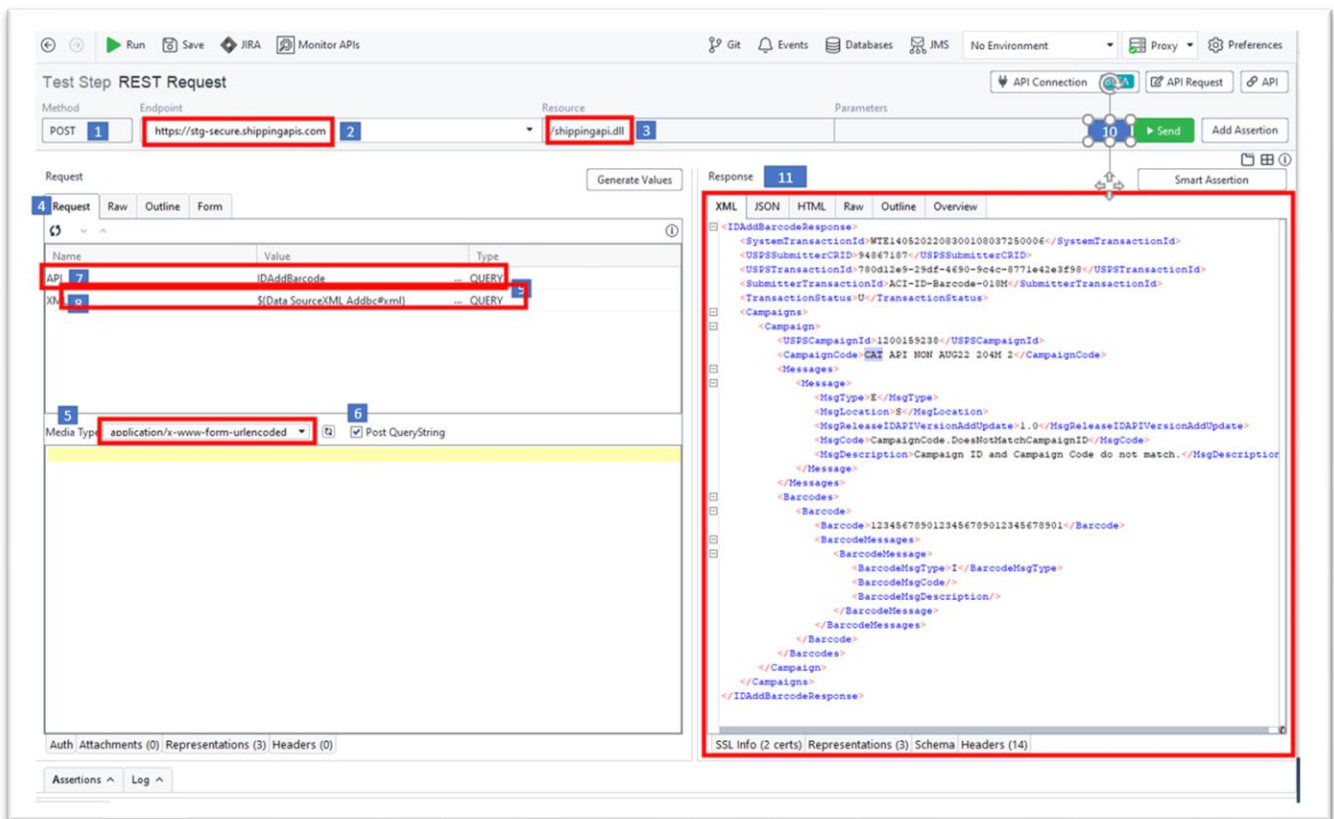
Figure 5: Example of How to Set Up in ReadyAPI

3   Informed Delivery API Technical Specification

3.1   Current Informed Delivery API Versions Supported

The following Informed Delivery API versions are currently supported for Informed Delivery Mail and Package Campaign management.

Informed Delivery API Version	Support Starts	Support Ends
1.0 (v1)	April 1, 2021	N/A

Table 1 – Informed Delivery API Versions Currently Supported

3.2   HTTPS Secure Encryption of Data

Hypertext Transfer Protocol Secure is a secure version of HTTP. This protocol enables secure communication between a client (e.g. web browser) and a server (e.g. web server) by using encryption. The USPS Web Tool HTTPS uses **Transport Layer Security (TLS 1.2)** protocol for encryption. HTTPS encrypts sensitive information, including usernames and passwords included in all requests and responses ensuring a secure connection.

All usernames and passwords included in requests sent to Web Tools are encrypted using HTTPS. The credentials are then authorized and authenticated by Customer Registration. Only the Login-Name and User-ID are passed to ID for transaction logging and processing purposes. Full credentials are not shared with ID API and are not stored in transaction logs either in ID API or in Web Tools.

3.3   Informed Delivery API Features Road Map

The following table describes the current and future request features of the Informed Delivery API . Each request has a corresponding response message that is not listed here.

API Version	API Request Name	**Mail** Campaign Support Status	**Package** Campaign Support Status
1.0	Create Campaign Request	Supported	Supported
1.0	Add Barcode Request (Synchronous)	Supported	Supported
1.0	Query Campaign Request	Supported	Supported
1.0	Delete Campaign Request	Supported	Supported
1.0	Cancel Campaign Request	Supported	Supported
1.0	Edit Campaign Request	Supported	Supported
1.0	Add Barcode Request (Asynchronous)	Supported	*Future Release*
1.0	Query Callback Key Request	Supported	*Future Release*
1.0	Query Callback Key Lookup Request	Supported	*Future Release*
1.0	Query Barcode Error Detail Request	Supported	*Future Release*

Table 2 – Informed Delivery API Road Map

3.4   Environments and API Endpoints

3.4.1   Customer Acceptance Testing (CAT) Environment

The following URLs represent the endpoints for the Informed Delivery API in the Customer Acceptance Testing (CAT) environment.

ID Create Campaign
https://stg-secure.shippingapis.com/shippingapi.dll?API=IDCreateCampaign&XML={XML Message Body}

ID Add Barcode
https://stg-secure.shippingapis.com/shippingapi.dll?API=IDAddBarcode&XML={XML Message Body}

ID Edit Campaign
https://stg-secure.shippingapis.com/shippingapi.dll?API=IDEditCampaign&XML={XML Message Body}

ID Query Campaign
https://stg-secure.shippingapis.com/shippingapi.dll?API=IDQueryCampaign&XML={XML Message Body}

ID Cancel Campaign
https://stg-secure.shippingapis.com/shippingapi.dll?API=IDCancelCampaign&XML={XML Message Body}

ID Delete Campaign
https://stg-secure.shippingapis.com/shippingapi.dll?API=IDDeleteCampaign&XML={XML Message Body}

ID Query Callback Key – Mail API Only
https://stg-secure.shippingapis.com/shippingapi.dll?API=IDQueryCallbackKey&XML={XML Message Body}

ID Query Callback Key Lookup – Mail API Only
https://stg-secure.shippingapis.com/shippingapi.dll?API=IDQueryCallbackKeyLookup&XML={XML Message Body}

ID Query Barcode Error Detail – Mail API Only
https://stg-secure.shippingapis.com/shippingapi.dll?API=IDQueryBarcodeErrorDetail&XML={XML Message Body}

3.4.2   Production (PROD) Environment

The following URLs represents the endpoints for the Informed Delivery API in the Production environment.

ID Create Campaign
https://secure.shippingapis.com/shippingapi.dll?API=IDCreateCampaign&XML={XML Message Body}

ID Add Barcode
https://secure.shippingapis.com/shippingapi.dll?API=IDAddBarcode&XML={XML Message Body}

ID Edit Campaign
https://secure.shippingapis.com/shippingapi.dll?API=IDEditCampaign&XML={XML Message Body}

ID Query Campaign

https://secure.shippingapis.com/shippingapi.dll?API=IDQueryCampaign&XML={XML Message Body}

ID Cancel Campaign

https://secure.shippingapis.com/shippingapi.dll?API=IDCancelCampaign&XML={XML Message Body}

ID Delete Campaign

https://secure.shippingapis.com/shippingapi.dll?API=IDDeleteCampaign&XML={XML Message Body}

ID Query Callback Key – Mail API Only

https://secure.shippingapis.com/shippingapi.dll?API=IDQueryCallbackKey&XML={XML Message Body}

ID Query Callback Key Lookup – Mail API Only

https://secure.shippingapis.com/shippingapi.dll?API=IDQueryCallbackKeyLookup&XML={XML Message Body}

ID Query Barcode Error Detail – Mail API Only

https://secure.shippingapis.com/shippingapi.dll?API=IDQueryBarcodeErrorDetail&XML={XML Message Body}

3.5   Create Campaign API - Technical Specification

3.5.1   ID Create Campaign Request (POST)

3.5.1.1   Schema View

The ID Create Campaign API request allows Integrators to create Informed Delivery campaigns via an API POST request. This section covers the technical details around the ID Create Campaign API and the accompanying XML message data included in the ID Create Campaign Request.

> API Name: IDCreateCampaign
> XML Message Request: **IDCreateCampaignRequest**
> XML Message Response: IDCreateCampaignResponse

For a diagram depicting the XML schema for this request, refer to the XML schema file provided separately. This data is sent through the API to request the creation of an Informed Delivery campaign.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.5.1.2   XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Create Campaign Request. For any data fields that are not required or will not be populated, do not include the tag. If the tag is included and blank, the request will receive an error response. Also, note that at this time only one campaign block can be included with an ID Create Campaign Request.

Note: For XML, all special characters are accepted with the exception of < and & which must be formatted as **<** and **&** respectively.

<div align="center">

Table 3 - IDCreateCampaignRequest Data Elements

</div>

Package Campaigns only = ✻
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
TargetAPI	YES	7	Alphanumeric	**Mail Campaign:** Mail **Package Campaign:** Package Must be populated. This determines which endpoint will be called internally.
LoginName	YES	60	Alphanumeric	BCG username of user submitting request
LoginPassword	YES	50	Alphanumeric	BCG password of user submitting request
USPSSubmitterCRID	YES	18	Numeric	CRID associated with BCG credentials
USPSIDAPIVersion	YES	10	Alphanumeric	The ID API version being used. Must be populated with v1.
SubmitterTransactionId	YES	30	Alphanumeric	Unique ID provided by submitter for tracking file submission. Minimum of 3 characters.
MailOwnerName	YES	50	Alphanumeric	Mail Owner Name associated with the Mail Owner CRID as supplied by Submitter
MailOwnerCRID	YES	18	Numeric	CRID of the Mail Owner – can be the same as the USPSSubmitterCRID if Submitter is the Mail Owner, but must be populated.

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
FlexOptionA	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionB	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionC	NO	25	Alphanumeric	Do Not Use. For Future Use.
CAMPAIGN BLOCK				Limited to a single campaign block per request.
CampaignType	YES	3	Alphanumeric	**Mail Campaigns:** A01 = Non-Sequential Barcodes A02 = MID Level Mail Campaigns A03 = Serial-Range Level **Package Campaigns:** A01 = Non-Sequential Barcodes
CampaignShapeType	YES	2	Alpha	**Mail Campaigns:** LT = Letter CD = Card FL = Flat **Package Campaigns:** PK = Package
CampaignProductType	NO	3	Alphanumeric	Do Not Use. For Future Use.
CampaignMID	YES	6 or 9	Numeric	MID (Mailer ID) that will be associated with the campaign. Must be the same as the MID used in the IMb/IMpb. Must be left zero-filled to 6 or 9 digits.
CampaignGroupingCode ✷	NO	40	Alphanumeric	*Package Campaigns only – required field.* Submitter defined field. Must be unique to CampaignMID. Ignored for Mail Campaigns at this time.
CampaignCode	YES	40	Alphanumeric	Package Submitter defined field. For Package Campaigns, must be unique to Campaign Grouping Code.
CampaignTitle	YES	40	Alphanumeric	Submitter defined field.
BrandDisplayName	YES	40	Alphanumeric	Submitter defined field.
StartDate	YES	10	Date	YYYY-MM-DD
EndDate	YES	10	Date	YYYY-MM-DD
StartSerial ◆	NO	14	Numeric	*Mail Campaigns Only – Campaign Type A03.* Must be left zero-filled to 6 or 9 digits.
EndSerial ◆	NO	14	Numeric	*Mail Campaigns Only – Campaign Type A03.* Must be left zero-filled to 6 or 9 digits.
RideAlongImage	YES		BASE64	BASE64-encoded RGB JPG image. Maximum decoded image file size is 204,800 bytes (200 KBs). **Mail Campaigns:** Maximum decoded image pixel size is 300 pixels wide x 200 pixels high. **Package Campaigns:** Maximum decoded image pixel size is 210 pixels wide x 140 pixels high.
RideAlongTargetURL	YES	255	Alphanumeric	Target URL in https:// format. Must begin with a lowercase https://

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
RepresentativeImage ◆	NO		BASE64	*Mail Campaigns Only – Optional for Letter or Card. Required for Flat.* BASE64-encoded RGB JPG image. Maximum decoded image file size is 204,800 bytes (200 KBs). Maximum decoded image pixel size is 780 pixels wide x 500 pixels high.
FlexOptionD	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionE	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionF	NO	25	Alphanumeric	Do Not Use. For Future Use.

3.5.1.3 Sample Request XML

Below is an example of the XML request for the ID Create Campaign Request to create a Mail or Package Campaign. Notice that for fields that are not required, the tags are *not* included in the request. If they are included and blank, an error message will be returned in the response and the request will fail.

```
<IDCreateCampaignRequest>
     <TargetAPI></TargetAPI>
     <LoginName></LoginName>
     <LoginPassword></LoginPassword>
     <USPSSubmitterCRID></USPSSubmitterCRID>
     <USPSIDAPIVersion></USPSIDAPIVersion>
     <SubmitterTransactionId></SubmitterTransactionId>
     <MailOwnerName></MailOwnerName>
     <MailOwnerCRID></MailOwnerCRID>
     <Campaigns>
          <Campaign>
               <CampaignType></CampaignType>
               <CampaignShapeType></CampaignShapeType>
               <CampaignProductType></CampaignProductType>
               <CampaignMID></CampaignMID>
               <CampaignGroupingCode></CampaignGroupingCode>
               <CampaignCode></CampaignCode>
               <CampaignTitle></CampaignTitle>
               <BrandDisplayName></BrandDisplayName>
               <StartDate></StartDate>
               <EndDate></EndDate>
               <StartSerial></StartSerial>
               <EndSerial></EndSerial>
               <RideAlongImage></RideAlongImage>
               <RideAlongTargetURL></RideAlongTargetURL>
               <RepresentativeImage></RepresentativeImage>
          </Campaign>
     </Campaigns>
</IDCreateCampaignRequest>
```

3.5.2   ID Create Campaign Response

3.5.2.1 Schema View

This section covers technical details around the ID Create Campaign API and the accompanying XML message data included in the ID Create Campaign Response.

API Name: IDCreateCampaign
XML Message Request: IDCreateCampaignRequest
XML Message Response: **IDCreateCampaignResponse**

For a diagram depicting the XML schema for this response, refer to the XML schema file provided separately. This data is sent from the API in response to an ID Create Campaign Request.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.5.2.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Create Campaign Response.

Note: For XML, all special characters are accepted with the exception of < and & which must be formatted as **<** and **&** respectively.

<div align="center">

Table 4 – IDCreateCampaignResponse Data Elements

</div>

Package Campaigns only = ✳
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
SystemTransactionId	YES	30	Alphanumeric	System generated transaction ID
USPSSubmitterCRID	YES	18	Numeric	From request
USPSTransactionId	YES	36	Alphanumeric	Database generated unique ID from ID
SubmitterTransactionId	YES	30	Alphanumeric	From request
TransactionStatus	YES	1	Alpha	S = Successful Accept All Good U = Failed Not Processed
FlexOptionA	NO	25	Alphanumeric	From request
FlexOptionB	NO	25	Alphanumeric	From request
FlexOptionC	NO	25	Alphanumeric	From request
CAMPAIGN BLOCK				Campaign Information
USPSCampaignId	NO	12	Numeric	Database generated unique ID for campaign (Not returned for failed responses)
CampaignMID	YES	9	Numeric	From request
BrandDisplayName	YES	40	Alphanumeric	From request
CampaignGroupingCode ✳	YES	40	Alphanumeric	From request. (*Package Campaigns only.*)
CampaignCode	YES	40	Alphanumeric	From request
FlexOptionD	NO	25	Alphanumeric	From request
FlexOptionE	NO	25	Alphanumeric	From request
FlexOptionF	NO	25	Alphanumeric	From request
MESSAGE BLOCK				Campaign Messages – Repeats As Needed
MsgType	YES	1	Alpha	F = FATAL E = ERROR I = INFO/SUCCESS/OTHER W = WARNING
MsgLocation	NO	1	Alphanumeric	C = CLIENT – WebTools S = SERVER – Informed Delivery
MsgReleaseIdAPIVersionAddUpdate	NO	12	Alphanumeric	ID API version that the message is associated with - last updated or added.
MsgCode	YES	50	Alphanumeric	This will contain the error code if an error is encountered. Ex: CampaignCode.Required
MsgDescription	YES	1,200	Alphanumeric	This will contain a detailed description of the warning, information or error code encountered in Informed Delivery.

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
MsgAction	NO	1,200	Alphanumeric	Not currently used

3.5.2.3 Sample XML

```
<IDCreateCampaignResponse>
    <SystemTransactionId></SystemTransactionId>
    <USPSSubmitterCRID></USPSSubmitterCRID>
    <USPSTransactionId></USPSTransactionId>
    <SubmitterTransactionId></SubmitterTransactionId>
    <TransactionStatus></TransactionStatus>
    <FlexOptionA></FlexOptionA>
    <FlexOptionB></FlexOptionB>
    <FlexOptionC></FlexOptionC>
    <Campaigns>
        <Campaign>
            <USPSCampaignId></USPSCampaignId>
            <CampaignMID></CampaignMID>
            <BrandDisplayName></BrandDisplayName>
            <CampaignGroupingCode></CampaignGroupingCode>
            <CampaignCode></CampaignCode>
            <FlexOptionD></FlexOptionD>
            <FlexOptionE></FlexOptionE>
            <FlexOptionF></FlexOptionF>
            <Messages>
                <Message>
                    <MsgType></MsgType>
                    <MsgLocation></MsgLocation>
                    <MsgReleaseIDAPIVersionAddUpdate></MsgReleaseIDAPIVersionAddUpdate>
                    <MsgCode></MsgCode>
                    <MsgDescription></MsgDescription>
                    <MsgAction></MsgAction>
                </Message>
            </Messages>
        </Campaign>
    </Campaigns>
</IDCreateCampaignResponse>
```

3.6 Add Barcode API - Technical Specification

3.6.1 ID Add Barcode Request (POST)

3.6.1.1 Schema View

The Add Barcode API allows for Integrator to add barcodes to existing Informed Delivery campaigns via an API POST request. This section covers technical details around the ID Add Barcode API and the accompanying XML message data included in the ID Add Barcode Request.

> API Name: IDAddBarcode
> XML Message Request: **IDAddBarcodeRequest**
> XML Message Response: IDAddBarcodeResponse

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately. This data is sent through the API to request the addition of barcodes to an Informed Delivery NON-SEQ campaign. Barcodes can be added to any A01 (NON-SEQ) campaign that is in Submitted or Active status.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.6.1.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Add Barcode Request. For any data fields that are not required or will not be populated, do not include the tag. If the tag is included and blank, the request will receive an error response.

At this time, only synchronous requests of 25 or less barcodes are allows for the Add Barcode Request for Packages. For Mail, more than 25 barcodes can be included in a request for an asynchronous request and response.

Note: For XML, all special characters are accepted with the exception of < and & which must be formatted as **<** and **&** respectively.

Table 5 - IDAddBarcodeRequest Data Elements

Package Campaigns only = ✱
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
TargetAPI	YES	7	Alphanumeric	**Mail Campaigns:** Mail **Package Campaign:** Package Must be populated. This determines which endpoint will be called internally.
LoginName	YES	60	Alphanumeric	BCG username of user submitting request
LoginPassword	YES	50	Alphanumeric	BCG password of user submitting request
USPSSubmitterCRID	YES	18	Numeric	CRID associated with BCG credentials
USPSIDAPIVersion	YES	10	Alphanumeric	The ID API version being used. Must be populated with v1
SubmitterTransactionId	YES	30	Alphanumeric	Unique ID provided by submitter for tracking file submission. Minimum of 3 characters.
MailOwnerName	YES	50	Alphanumeric	Mail Owner Name associated with the Mail Owner CRID as supplied by Submitter

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
MailOwnerCRID	YES	18	Numeric	CRID of the Mail Owner – can be the same as the USPSSubmitterCRID if Submitter is the Mail Owner, but must be populated.
FlexOptionA	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionB	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionC	NO	25	Alphanumeric	Do Not Use. For Future Use.
CAMPAIGN BLOCK				Repeats for each campaign – max of 1 per request at this time
USPSCampaignId	YES	12	Numeric	Unique ID generated and returned in the Create Campaign Response when the campaign is successfully created
CampaignCode	YES	40	Alphanumeric	Must exactly match the current Campaign Code value associated with the campaign.
FlexOptionD	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionE	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionF	NO	25	Alphanumeric	Do Not Use. For Future Use.
BARCODE BLOCK				Repeats for each barcode – max of 25 per request for Package Campaigns at this time. Mail Campaigns are not bound by this limitation.
Barcode	YES	34	Alphanumeric	**Mail Campaigns:** Must be a 31-digit numeric barcode **Package Campaigns:** Can be 22, 26, 30 or 34 alphanumeric character barcode
BarcodeSerialNo	NO	14	Numeric	Do Not Use. For Future Use.
BarcodeMID	YES	6 or 9	Numeric	Fixed length of either 6 or 9 digits. Must be left zero-filled to 6 or 9 digits.
IMpbConstructCode	NO	3	Alphanumeric	Do Not Use. For Future Use.
RideAlongImage	NO		BASE64	Do Not Use. For Future Use.
RideAlongTargetURL	NO	255	Alphanumeric	Do Not Use. For Future Use.
RepresentativeImage ◆	NO		BASE64	Do Not Use. For Future Use.
FlexOptionG	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionH	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionI	NO	25	Alphanumeric	Do Not Use. For Future Use.

3.6.1.3 Sample XML

Below is an example of what the XML request would look like when submitting the ID Add Barcode Request to add barcodes to a campaign. Notice that the tags that are not required are not included in the request. If they were to be included and left blank, an error message will be returned in the response and the request would fail.

Note that tags that are not currently allowed at the barcode level have been excluded from this sample (IMpbConstructCode through FlexOptionI).

```
<IDAddBarcodeRequest>
    <TargetAPI></TargetAPI>
    <LoginName></LoginName>
    <LoginPassword></LoginPassword>
    <USPSSubmitterCRID></USPSSubmitterCRID>
    <USPSIDAPIVersion></USPSIDAPIVersion>
    <SubmitterTransactionId></SubmitterTransactionId>
    <MailOwnerName></MailOwnerName>
    <MailOwnerCRID></MailOwnerCRID>
    <Campaigns>
        <Campaign>
            <USPSCampaignId></USPSCampaignId>
            <CampaignCode></CampaignCode>
```

```
            <Barcodes>
                <Barcode>
                    <Barcode></Barcode>
                    <BarcodeMID></BarcodeMID>>
                </Barcode>
                <Barcode>
                    <Barcode></Barcode>
                    <BarcodeMID></BarcodeMID>
                </Barcode>
            </Barcodes>
        </Campaign>
    </Campaigns>
</IDAddBarcodeRequest>
```

3.6.2   ID Add Barcode Response

3.6.2.1   Schema View

This section covers technical details around the ID Add Barcode API and the accompanying XML message data included in the ID Add Barcode Response returned when an ID Add Barcode Request is submitted to the API.

API Name: IDAddBarcode
XML Message Request: IDAddBarcodeRequest
XML Message Response: **IDAddBarcodeResponse**

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately. This data is sent from the API in response to a request to an Add Barcode Request.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.6.2.2   XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Add Barcode Response.

Note: For XML, all special characters are accepted with the exception of < and & which must be formatted as **<** and **&** respectively.

Table 6 – IDAddBarcodeResponse Data Elements

Package Campaigns only = ∗
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
SystemTransactionId	YES	30	Alphanumeric	WebTools system generated transaction ID
USPSSubmitterCRID	YES	18	Numeric	Value from request
USPSTransactionId	YES	36	Alphanumeric	Database generated unique ID Informed Delivery
SubmitterTransactionId	YES	30	Alphanumeric	Submitter defined
TransactionStatus	YES	1	Alpha	S = Successful Accept All Good U = Failed Not Processed P = Partially Success R = Request Received
FlexOptionA	NO	25	Alphanumeric	Do Not Use. For Future Use.

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
FlexOptionB	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionC	NO	25	Alphanumeric	Do Not Use. For Future Use.
MAIL CAMPAIGNS - EITHER CAMPAIGN BLOCK OR CALLBACK BLOCK WILL BE RETURNED PACKAGE CAMPAIGNS – ONLY THE CAMPAIGN BLOCK WILL BE RETURNED.				If the IDAddBarcodeRequest exceeds the predefined threshold and is processed asynchronously, the TransactionStatus returned will be "R" and the Callback Block will be returned. If the barcodes are processed immediately, the Campaign Block is returned.
CAMPAIGN BLOCK				Campaign Information
USPSCampaignId	YES	12	Numeric	Value from request. Unique ID generate by Informed Delivery
CampaignMID	NO	9	Numeric	Not returned for failed responses
BrandDisplayName	NO	40	Alphanumeric	Not returned for failed responses
CampaignGroupingCode ✳	NO	40	Alphanumeric	Not returned for failed responses. Package Campaigns only.
CampaignCode	YES	40	Alphanumeric	Value from request
FlexOptionD	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionE	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionF	NO	25	Alphanumeric	Do Not Use. For Future Use.
MESSAGE BLOCK				Campaign Message Block
MsgType	YES	1	Alpha	F = FATAL E = ERROR I = INFO/SUCCESS/OTHER W = WARNING
MsgLocation	NO	1	Alpha	C = CLIENT S = SERVER – Informed Delivery
MsgReleaseIdAPIVersionAddUpdate	NO	12	Alphanumeric	API Version associated with the message. (1.0.0)
MsgCode	YES	50	Alphanumeric	This will contain the error code if an error is encountered. Ex: CampaignCode.Required
MsgDescription	YES	1,200	Alphanumeric	This will contain a detailed description of the warning, information or error code encountered in Informed Delivery.
MsgAction	NO	1,200	Alphanumeric	Not currently used
BARCODE BLOCK				Repeats for each barcode
Barcode	YES	34	Alphanumeric	Value from request.
USPSPieceId	NO	15	Numeric	Unique ID for barcode generated by Informed Delivery. Not returned for failed responses.
FlexOptionG	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionH	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionI	NO	25	Alphanumeric	Do Not Use. For Future Use.
BARCODE MESSAGE BLOCK				Repeats for each error message on each barcode
BarcodeMsgType	YES	1	Alpha	F = FATAL E = ERROR I = INFO/SUCCESS/OTHER W = WARNING
BarcodeMsgCode	YES	50	Alphanumeric	This will contain the error code if an error is encountered. Ex: CampaignCode.Required
BarcodeMsgDescription	YES	1,200	Alphanumeric	This will contain a detailed description of the warning, information or error code encountered in Informed Delivery.
BarcodeMsgAction	NO	1,200	Alphanumeric	Not currently used
CALLBACK BLOCK◆				Callback Information – Mail API ONLY
CallbackKey ◆	Yes	36	Alphanumeric	Universally Unique ID. Used to query the API for information regarding the results of an Add Barcode request involving large numbers of barcodes.

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
CallbackMessage ◆	Yes	1200	Alphanumeric	A message about the status of the barcode processing.

3.6.2.3   Sample XML

```
<IDAddBarcodeResponse>
     <SystemTransactionId></SystemTransactionId>
     <USPSSubmitterCRID></USPSSubmitterCRID>
     <USPSTransactionId></USPSTransactionId>
     <SubmitterTransactionId></SubmitterTransactionId>
     <TransactionStatus></TransactionStatus>
     <FlexOptionA></FlexOptionA>
     <FlexOptionB></FlexOptionB>
     <FlexOptionC></FlexOptionC>
     <Campaigns>
          <Campaign>
               <USPSCampaignId></USPSCampaignId>
               <CampaignMID></CampaignMID>
               <BrandDisplayName></BrandDisplayName>
               <CampaignGroupingCode></CampaignGroupingCode>
               <CampaignCode></CampaignCode>
               <FlexOptionD></FlexOptionD>
               <FlexOptionE></FlexOptionE>
               <FlexOptionF></FlexOptionF>
               <Messages>
                    <Message>
                         <MsgType></MsgType>
                         <MsgLocation></MsgLocation>
                         <MsgReleaseIDAPIVersionAddUpdate></MsgReleaseIDAPIVersionAddUpdate>
                         <MsgCode></MsgCode>
                         <MsgDescription></MsgDescription>
                         <MsgAction></MsgAction>
                    </Message>
                    <Message>
                         <MsgType></MsgType>
                         <MsgLocation></MsgLocation>
                         <MsgReleaseIDAPIVersionAddUpdate></MsgReleaseIDAPIVersionAddUpdate>
                         <MsgCode></MsgCode>
                         <MsgDescription></MsgDescription>
                         <MsgAction></MsgAction>
                    </Message>
               </Messages>
               <Barcodes>
                    <Barcode>
                         <Barcode></Barcode>
                         <USPSPieceId></USPSPieceId>
                         <FlexOptionG></FlexOptionG>
                         <FlexOptionH></FlexOptionH>
                         <FlexOptionI></FlexOptionI>
                         <BarcodeMessages>
                              <BarcodeMessage>
                                   <BarcodeMsgType></BarcodeMsgType>
                                   <BarcodeMsgCode></BarcodeMsgCode>
                                   <BarcodeMsgDescription></BarcodeMsgDescription>
                                   <BarcodeMsgAction></BarcodeMsgAction>
                              </BarcodeMessage>
                              <BarcodeMessage>
```

```xml
                            <BarcodeMsgType></BarcodeMsgType>
                            <BarcodeMsgCode></BarcodeMsgCode>
                            <BarcodeMsgDescription></BarcodeMsgDescription>
                            <BarcodeMsgAction></BarcodeMsgAction>
                        </BarcodeMessage>
                    </BarcodeMessages>
                </Barcode>
                <Barcode>
                    <Barcode></Barcode>
                    <USPSPieceId></USPSPieceId>
                    <FlexOptionG></FlexOptionG>
                    <FlexOptionH></FlexOptionH>
                    <FlexOptionI></FlexOptionI>
                    <BarcodeMessages>
                        <BarcodeMessage>
                            <BarcodeMsgType></BarcodeMsgType>
                            <BarcodeMsgCode></BarcodeMsgCode>
                            <BarcodeMsgDescription></BarcodeMsgDescription>
                            <BarcodeMsgAction></BarcodeMsgAction>
                        </BarcodeMessage>
                        <BarcodeMessage>
                            <BarcodeMsgType></BarcodeMsgType>
                            <BarcodeMsgCode></BarcodeMsgCode>
                            <BarcodeMsgDescription></BarcodeMsgDescription>
                            <BarcodeMsgAction></BarcodeMsgAction>
                        </BarcodeMessage>
                    </BarcodeMessages>
                </Barcode>
            </Barcodes>
        </Campaign>
    </Campaigns>
    <Callback>
        <CallbackKey></CallbackKey>
        <CallbackMessage></CallbackMessage>
    </Callback>
</IDAddBarcodeResponse>
```

3.7 Edit Campaign API - Technical Specification

3.7.1   ID Edit Campaign Request (PUT)

3.7.1.1 Schema View

The Edit Campaign API allows for an Integrator to edit existing ID campaigns via a PUT API request. This section covers technical details around the ID Edit Campaign API and the accompanying XML message data included in the ID Edit Campaign Request.

> API Name: IDEditCampaign
> XML Message Request: **IDEditCampaignRequest**
> XML Message Response: IDEditCampaignResponse

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately. This data is sent through the API to request element updates on an Informed Delivery campaign.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.7.1.2   XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Edit Campaign Request. For any data fields that are not required, do not include them in the message. If the tag is included and blank, the request will receive an error response.

Note: For XML, all special characters are accepted with the exception of < and & which must be formatted as **<** and **&** respectively.

Table 5 - IDEditCampaignRequest Data Elements

Package Campaigns only = ✳
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
TargetAPI	YES	7	Alphanumeric	**Mail Campaigns:** Mail **Package Campaign:** Package Must be populated. This determines which endpoint will be called internally.
LoginName	YES	60	Alphanumeric	BCG username of user submitting request
LoginPassword	YES	50	Alphanumeric	BCG password of user submitting request
USPSSubmitterCRID	YES	18	Numeric	CRID associated with BCG credentials
USPSIDAPIVersion	YES	10	Alphanumeric	The ID API version being used. Must be populated with v1.
SubmitterTransactionId	YES	30	Alphanumeric	Unique ID provided by submitter for tracking file submission. Minimum of 3 characters.
MailOwnerName	YES	50	Alphanumeric	Mail Owner Name associated with the Mail Owner CRID as supplied by Submitter
MailOwnerCRID	YES	18	Numeric	CRID of the Mail Owner – can be the same as the USPSSubmitterCRID if Submitter is the Mail Owner, but must be populated.
FlexOptionA	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionB	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionC	NO	25	Alphanumeric	Do Not Use. For Future Use.
CAMPAIGN BLOCK				Limited to a single campaign block per request.
USPSCampaignId	YES	12	Numeric	USPS Campaign ID must be populated to edit a campaign. Unique identifier assigned to campaign in ID when the campaign is created.
MailOwnerName	NO	50	Alphanumeric	Only include if editing/updating.
MailOwnerCRID	NO	18	Numeric	Only include if editing/updating.
CampaignTitle	NO	40	Alphanumeric	Only include if editing/updating.
BrandDisplayName	NO	40	Alphanumeric	Only include if editing/updating.
StartDate	NO	10	Date	Only include if editing/updating. YYYY-MM-DD
EndDate	NO	10	Date	Only include if editing/updating. YYYY-MM-DD
StartSerial ◆	NO	14	Numeric	Only include if editing/updating. *Mail Campaigns Only – Campaign Type A03.* If editing Campaign Type from SEQ to MID or NON-SEQ, must include this field as an empty tag ("") to remove the current serials from the campaign.

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
EndSerial ◆	NO	14	Numeric	Only include if editing/updating. *Mail Campaigns Only – Campaign Type A03.* If editing Campaign Type from SEQ to MID (A02) or NON-SEQ (A01), must include this field as an empty tag ("") to remove the current serials from the campaign.
RideAlongImage	NO		BASE64	Only include if editing/updating. BASE64-encoded RGB JPG image. Maximum image file size is 204,800 bytes (200 KBs). **Mail Campaigns:** Maximum image pixel size is 300 pixels wide x 200 pixels high. **Package Campaigns:** Maximum image pixel size is 210 pixels wide x 140 pixels high.
RideAlongTargetURL	NO	255	Alphanumeric	Only include if editing/updating. Target URL in https:// format. Must begin with a lowercase https://.
RepresentativeImage ◆	NO		BASE64	Only include if editing/updating. *Mail Campaigns Only – Optional for Letter or Card. Required for Flat.* BASE64-encoded RGB JPG image. Maximum image file size is 204,800 bytes (200 KBs). Maximum image pixel size is 780 pixels wide x 500 pixels high.
CampaignType	NO	3	Alphanumeric	Only include if editing/updating. **Mail Campaigns:** A01 = Non-Sequential Barcodes A02 = MID Level Mail Campaigns A03 = Serial-Range Level **Package Campaigns:** A01 = Non-Sequential Barcodes
CampaignShapeType	NO	2	Alpha	Only include if editing/updating. **Mail Campaigns:** LT = Letter CD = Card FL = Flat **Package Campaigns:** PK = Package
CampaignCode	NO	40	Alphanumeric	Only include if editing/updating.
CampaignGroupingCode ✱	NO	40	Alphanumeric	Only include if editing/updating.
CampaignMID	NO	9	Numeric	Only include if editing/updating. Cannot be edited if barcodes are associated with the campaign. Must be left zero-filled to 6 or 9 digits.
FlexOptionD	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionE	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionF	NO	25	Alphanumeric	Do Not Use. For Future Use.

3.7.1.3 Sample XML

Below is an example of an XML request for an ID Edit Campaign Request on an existing campaign. Only fields being updated should be included in the request. The only exception to this rule is when a Mail SEQ (A03) campaign is being changed/updated to a MID (A02) or NON-SEQ (A01) campaign. In this scenario, the StartSerial and EndSerial must be included as empty tags to specify the intent to change a Serial-Range Level Campaign to a MID or NON-SEQ campaign.

```xml
<IDEditCampaignRequest>
     <TargetAPI></TargetAPI>
     <LoginName></LoginName>
     <LoginPassword></LoginPassword>
     <USPSSubmitterCRID></USPSSubmitterCRID>
     <USPSIDAPIVersion></USPSIDAPIVersion>
     <SubmitterTransactionId></SubmitterTransactionId>
     <MailOwnerName></MailOwnerName>
     <MailOwnerCRID></MailOwnerCRID>
     <Campaign>
          <USPSCampaignId></USPSCampaignId>
          <MailOwnerName></MailOwnerName>
          <MailOwnerCRID></MailOwnerCRID>
          <CampaignTitle></CampaignTitle>
          <BrandDisplayName></BrandDisplayName>
          <StartDate></StartDate>
          <EndDate></EndDate>
          <StartSerial></ StartSerial >
          <EndSerial></ EndSerial >
          <RideAlongImage></RideAlongImage>
          <RideAlongTargetURL></RideAlongTargetURL>
          <RepresentativeImage></ RepresentativeImage >
          <CampaignType></CampaignType>
          <CampaignShapeType></CampaignShapeType>
          <CampaignCode></CampaignCode>
          <CampaignGroupingCode></CampaignGroupingCode>
          <CampaignMID></CampaignMID>
          </Campaign>
</IDEditCampaignRequest>
```

3.7.2   ID Edit Campaign Response

3.7.2.1 Schema View

This section covers technical details around the ID Edit Campaign API and the accompanying XML message data included in the ID Edit Campaign Response.

    API Name: IDEditCampaign
    XML Message Request: IDEditCampaignRequest
    XML Message Response: **IDEditCampaignResponse**

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately. This data is sent from the API in response to an Edit Campaign Request to edit an existing Informed Delivery campaign.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.7.2.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Edit Campaign Response.

Note: For XML, all special characters are accepted with the exception of < and & which must be formatted as **<** and **&** respectively.

Table 6 – IDEditCampaignResponse Data Elements

Package Campaigns only = ✳
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
SystemTransactionId	YES	30	Alphanumeric	System generated transaction ID
USPSSubmitterCRID	YES	18	Numeric	From request
USPSTransactionId	YES	36	Alphanumeric	Database generated unique ID from ID
SubmitterTransactionId	YES	30	Alphanumeric	From request
TransactionStatus	YES	1	Alpha	S = Successful U = Unsuccessful
FlexOptionA	NO	25	Alphanumeric	Value from request
FlexOptionB	NO	25	Alphanumeric	Value from request
FlexOptionC	NO	25	Alphanumeric	Value from request
CAMPAIGN BLOCK				Campaign Information
USPSCampaignId	YES	12	Numeric	Value from request. Unique identifier for the campaign being edited.
CampaignCode	YES	40	Alphanumeric	Populated from a database lookup of campaign. Successful requests only.
CampaignMID	NO	9	Numeric	Populated from a database lookup of campaign. Successful requests only.
BrandDisplayName	NO	40	Alphanumeric	Populated from a database lookup of campaign. Successful requests only.
CampaignGroupingCode	NO	40	Alphanumeric	Populated from a database lookup of campaign. Successful requests only.
FlexOptionD	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionE	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionF	NO	25	Alphanumeric	Do Not Use. For Future Use.
MESSAGE BLOCK				Campaign Messages
MsgType	YES	1	Alpha	F = FATAL E = ERROR I = INFO/SUCCESS/OTHER W = WARNING
MsgLocation	NO	1	Alphanumeric	C = CLIENT – WebTools S = SERVER – Informed Delivery
MsgReleaseIdAPIVersionAddUpdate	NO	12	Alphanumeric	ID API version that the message is associated with - last updated or added.
MsgCode	YES	50	Alphanumeric	This will contain the error code if an error is encountered. Ex: CampaignCode.Required
MsgDescription	YES	1,200	Alphanumeric	This will contain a detailed description of the warning, information or error code encountered in Informed Delivery.
MsgAction	NO	1,200	Alphanumeric	Not currently used

3.7.2.3 Sample XML

```
<IDEditCampaignResponse>
    <SystemTransactionId></SystemTransactionId>
    <USPSSubmitterCRID></USPSSubmitterCRID>
    <USPSTransactionId></USPSTransactionId>
    <SubmitterTransactionId></SubmitterTransactionId>
```

```
<TransactionStatus></TransactionStatus>
<FlexOptionA></FlexOptionA>
<FlexOptionB></FlexOptionB>
<FlexOptionC></FlexOptionC>
<Campaign>
        <USPSCampaignId></USPSCampaignId>
        <CampaignCode></CampaignCode>
        <CampaignMID></CampaignMID>
        <BrandDisplayName></BrandDisplayName>
        <CampaignGroupingCode></CampaignGroupingCode>
        <FlexOptionD></FlexOptionD>
        <FlexOptionE></FlexOptionE>
        <FlexOptionF></FlexOptionF>
        <Messages>
            <Message>
                <MsgType></MsgType>
                <MsgLocation></MsgLocation>
                <MsgReleaseIDAPIVersionAddUpdate></MsgReleaseIDAPIVersionAddUpdate>
                <MsgCode></MsgCode>
                <MsgDescription></MsgDescription>
                <MsgAction></MsgAction>
            </Message>
        </Messages>
    </Campaign>
</IDEditCampaignResponse>
```

3.8   Query Campaign API - Technical Specification

3.8.1   ID Query Campaign Request (GET)

3.8.1.1   Schema View

The Query Campaign API allows for Integrator to query Informed Delivery campaigns via a GET API request. This section covers technical details around the ID Query Campaign API and the accompanying XML message data included in the ID Query Campaign.

> API Name: IDQueryCampaign
> XML Message Request: **IDQueryCampaignRequest**
> XML Message Response: IDQueryCampaignResponse

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately. This data is sent through the API to query Informed Delivery campaigns.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.8.1.2   XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Query Campaign Request. There are several options for querying:
- Include a USPS Campaign ID to query the details of a single campaign (including the images and Target URL associated with the campaign)
- Query all campaigns with no query string provided

- Query campaigns based on Status and/or EZSearch query
- Query all campaigns using an AdHoc Search which allows filtering across multiple fields.

All query responses that return a collection of campaigns have the option to sort the results over multiple columns.

Note: For XML, all special characters are accepted with the exception of < and & which must be formatted as **<** and **&** respectively.

Note: A query will always show a 0 for the barcode-count on MID and SEQ campaigns. This field only applies to NON-SEQ campaigns.

Table 5 - IDQueryCampaignRequest Data Elements

Package Campaigns only = ✳
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
TargetAPI	YES	7	Alphanumeric	**Mail Campaigns:** Mail **Package Campaign:** Package Must be populated. This determines which endpoint will be called internally.
LoginName	YES	60	Alphanumeric	BCG username of user submitting request
LoginPassword	YES	50	Alphanumeric	BCG password of user submitting request
USPSSubmitterCRID	YES	18	Numeric	CRID associated with BCG credentials
USPSIDAPIVersion	YES	10	Alphanumeric	The ID API version being used. Must be populated with v1.
QUERY BLOCK				The Query Block is optional. If omitted, the API will return ALL campaigns currently associated with the USPS-SUBMITTER-CRID in descending order by the Last Modified Datetime. If the Query Block is included, there is a choice between querying a single campaign by providing the USPS Campaign ID or including the Filters Block to provide specific query conditions.
USPSCampaignId	NO	12	Numeric	To query the details of a single campaign, the USPS Campaign ID must be provided. This field cannot be provided if using EZSearch or AdHocSearch.
FILTERS BLOCK				Optional. Uses defaults if not provided. May be used along with Search Type Block.
Size	NO	5	Numeric	Number of campaigns returned per response. Default = 100
Page	NO	5	N	Page number to return. 1st page = 0 Defaults to 0 if not specified.

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION

Status	NO	30	Alphanumeric	Defines the campaign status search condition. Valid statuses are defined as follows and must be in all caps:
				
				Mail Campaigns:
				    ACTIVE
				    CANCELLED
				    COMPLETE
				    DELETED
				    DRAFT
				    INACTIVE *(future use for NON-SEQ campaigns)*
				    SUBMITTED
				
				Package Campaigns:
				    ACTIVE
				    CANCELLED
				    COMPLETE
				    DELETED
				    INACTIVE
				    SUBMITTED
				
				If not included, default is to return all statuses. This parameter can be repeated.
				
				There are 2 optional attributes available to refine how element is applied.
				    ValueComparisonOperator (Default is *eq* if not specified)
				        ne = Not Equal
				        eq = Equal (default if omitted)
				    LogicalComparisonOperator – (Default is *or* if not specified)
				        or = status a OR status b
				not = status a or NOT status b

Sort	NO	40	Alphanumeric	The Sort element defines the column upon which the query result is sorted. Valid sortable columns are pre-defined in the schema. The Sort element has a single optional Order attribute that specifies whether the sort is ascending (asc) or descending (desc). If the Order is omitted, the sort order defaults to ascending. If the Sort is not specified, the query results will be sorted by Last Modified Datetime in descending order where the most currently modified campaigns appear at the top. This parameter can be repeated for nested sorts. The order in which the sort parameters appear in the query string defines the sort hierarchy. **Sort Parameters:** usps-campaign-id campaign-title brand-display-name campaign-code campaign-grouping-code ✱ campaign-mid campaign-type campaign-shape-type last-modified-datetime submitted-datetime start-date

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
				end-date start-serial ◆ end-serial ◆ status created-datetime mail-owner-name mail-owner-crid campaign-product-type barcode-count
SEARCH TYPE BLOCK				May only be used when the Filters block is selected and the USPSCampaignId is not provided. If Filters are specified, the request can include *EITHER* EZSearch or AdHocSearch but cannot include both. If no USPS-CAMPAIGN-ID or Filters block is included, all campaigns will be returned in the default sort order.
EZSEARCH CONDITIONS				Can be used in combination with the Size, Sort, Status, and Page elements. Cannot be used with AdHocSearch Condition. Must have at least one string to search, if included.

EZSEARCH	NO	40	Alphanumeric	String value provided will be searched across the fields listed. Case is ignored when using the EZSearch option. If any of the fields contain the string, the campaign is returned. Below are the fields searched using EZSearch, with an OR condition between each field.
				
				Mail Campaigns:
				  Brand Display Name
				  Campaign Title
				  Campaign Code
				
				Package Campaigns:
				  Brand Display Name
				  Campaign Title
				  Campaign Grouping Code
				  Campaign Code
				
				The EZSearch element may appear more than once in the request.
				
				Example: ezsearch=sale&ezsearch=fall
				
				In this case, one of the strings must appear in *at least one of the designated fields above* to be returned in the results. In the example above, this means that **sale** must appear in one of the fields OR **fall** must appear in one of the fields that are part of EZSearch.
				
				Brand Display Name: Fall Holiday Shopping
				Campaign Title: Sale of the Year

ADHOCSEARCH CONDITIONS				Can be used in combination with Size, Sort, Status and Page. Cannot be used with EZSearch Condition.
ADHOCSEARCH	NO			The AdHocSearch element has 4 attributes that can be applied to the search value. The Column attribute represents the parameter of field to be search and is required. All other attributes are optional.

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
Column attribute (parameter)	YES	40	Alphanumeric	Field name (parameter) to be searched. There must be at least one column attribute present in an AdHocSearch. Value string searches for Dates must be formatted as MM/DD/YYYY when querying date fields. Examples: status=ACTIVE&campaign-mid=123456 **Allowed Column Values:** campaign-title brand-display-name campaign-code campaign-grouping-code ✱ campaign-mid campaign-type campaign-shape-type last-modified-datetime submitted-datetime start-date end-date start-serial ◆ end-serial ◆ status created-datetime usps-submitter-crid mail-owner-name mail-owner-crid campaign-product-type barcode-count
LogicalComparisonOperator attribute	NO	3	Alpha	Defines how the search query parameters are combined. 　or = Either A <u>or</u> B 　and = Both A <u>and</u> B 　not = A or <u>not</u> B These may not be combined on the same parameter.
ValueComparisonOperator attribute	NO	15	Alpha	Default is eq (equals) Comparison Operations for strings: eq = equals ne = not equals startsWith endsWith contains Comparison Operators for Dates and Numbers: eq = equals ne = not equals gt = greater than gte = greater than or equals lt = less than lte = less than or equals
CaseInsensitiveSearch attribute	NO	5	Alpha	A **True** value indicates the query will perform a case **in**sensitive search using the string value in the AdHocSearch element. If omitted, the query will perform a case sensitive search.

3.8.1.3   Sample XML

Below is an example of what the XML request would look like when submitting an ID Query Campaign Request to query existing campaigns.

Note: These XML examples omit the standard wrapper information (shown below in the first two samples as blue text) and uses <…> as a placeholder for future samples. The <Query> node contains the information that will be translated into the QueryString portion of the URL.

Single Campaign ID Query Request

```
<IDQueryCampaignRequest>
    <TargetAPI></TargetAPI>
    <LoginName></LoginName>
    <LoginPassword></LoginPassword>
    <USPSSubmitterCRID></USPSSubmitterCRID>
    <USPSIDAPIVersion></USPSIDAPIVersion>
    <Query>
        <USPSCampaignId></USPSCampaignId>
    </Query>
</IDQueryCampaignRequest>
```

EZSearch Query Request

```
<IDQueryCampaignRequest>
    <TargetAPI></TargetAPI>
    <LoginName></LoginName>
    <LoginPassword></LoginPassword>
    <USPSSubmitterCRID></USPSSubmitterCRID>
    <USPSIDAPIVersion></USPSIDAPIVersion>
    <Query>
        <Filters>
            <Size></Size>
            <Page></Page>
            <CampaignStatus>
                <Status LogicalComparisonOperator="" ValueComparisonOperator=""></Status>
            </CampaignStatus>
            <SortOrder>
                <Sort Order=""></Sort>
            </SortOrder>
            <SearchType>
                <EZSearchConditions>
                    <EZSearch></EZSearch>
                    <EZSearch></EZSearch>
                </EZSearchConditions>
            </SearchType>
        </Filters>
    </Query>
</IDQueryCampaignRequest>
```

AdHocSearch Query Request

```
<IDQueryCampaignRequest>
    <TargetAPI></TargetAPI>
    <LoginName></LoginName>
    <LoginPassword></LoginPassword>
    <USPSSubmitterCRID></USPSSubmitterCRID>
    <USPSIDAPIVersion></USPSIDAPIVersion>
    <Query>
        <Filters>
            <Size></Size>
```

```xml
            <Page></Page>
            <CampaignStatus>
                <Status ValueComparisonOperator="" LogicalComparisonOperator=""></Status>
                <Status ValueComparisonOperator="" LogicalComparisonOperator=""></Status>
            </CampaignStatus>
            <SortOrder>
                <Sort Order=""></Sort>
                <Sort Order=""></Sort>
            </SortOrder>
            <SearchType>
                <AdHocSearchConditions>
                    <AdHocSearch Column="" LogicalComparisonOperator="" ValueComparisonOperator=""
CaseInsensitiveSearch=""></AdHocSearch>
                    <AdHocSearch Column="" LogicalComparisonOperator="" ValueComparisonOperator=""
CaseInsensitiveSearch=""></AdHocSearch>
                </AdHocSearchConditions>
            </SearchType>
        </Filters>
    </Query>
</IDQueryCampaignRequest>
```

Specify Page Size and Page Number to Return

The Size and Page parameters affect how many and which page of campaigns are returned in a single response. The Size element affects the number of total campaigns returned for each page, and the Page element specifies which page should be returned in the response.

If the query parameters do not return enough campaigns in the response to fill the Size requirement for the specified page, then only as many campaigns as are available will be returned for that page. If the query parameters have the Size element set to 10 and the Page set to 5, but the query does not return enough campaigns to constitute a Page of 5, then the response may return an empty collection.

The Page element is zero based, meaning the first page is "page=0", the second page is "page=1", etc.

XML Query Node

```xml
<IDQueryCampaignRequest>
    <…>
    <Query>
        <Filters>
            <Size>10</Size>
            <Page>1</Page>
        </Filters>
    </Query>
</IDQueryCampaignRequest>
```

Query Campaigns with the Status "SUBMITTED"

Returns campaigns with the Status equal to "SUBMITTED."

XML Query Node

```xml
<IDQueryCampaignRequest>
    <…>
```

```
<Query>
    <Filters>
        <Size>10</Size>
        <Page>1</Page>
        <CampaignStatus>
            <Status>SUBMITTED</Status>
        </CampaignStatus>
    </Filters>
</Query>
</IDQueryCampaignRequest>
```

Query Campaign Statuses Using Not Equal

XML Query Node

```
<IDQueryCampaignRequest>
    <...>
    <Query>
        <Filters>
            <CampaignStatus>
                <Status ValueComparisonOperator="ne">SUBMITTED</Status>
            </CampaignStatus>
        </Filters>
    </Query>
</IDQueryCampaignRequest>
```

Multiple Campaign Status Parameters Using OR Clause

Query where the Status equals "CANCELLED" *or* Status equals "COMPLETE."

XML Query Node

```
<IDQueryCampaignRequest>
    <...>
    <Query>
        <Filters>
            <CampaignStatus>
                <Status ValueComparisonOperator="eq">CANCELLED</Status>
                <Status LogicalComparisonOperator="or" ValueComparisonOperator="eq">COMPLETE</Status>
            </CampaignStatus>
        </Filters>
    </Query>
</IDQueryCampaignRequest>
```

Multiple Campaign Status Parameters Using OR Clause – Omit Comparison Operator

Query where the Status equals "CANCELLED" *or* Status equals "COMPLETE." Note that the Comparison Operation is not specified in this query. If the comparison operator attribute is not specified, equals ("eq") will be used as the default.

XML Query Node (omitting the comparison operator for equals)

```
<IDQueryCampaignRequest>
    <...>
    <Query>
        <Filters>
```

```xml
            <CampaignStatus>
                <Status>CANCELLED</Status>
                <Status LogicalComparisonOperator="or">COMPLETE</Status>
            </CampaignStatus>
        </Filters>
    </Query>
</IDQueryCampaignRequest>
```

Multiple Campaign Status Parameters Using Multiple OR Clauses – Sort Order

Query where the Status equals "CANCELLED" *or* Status equals "SUBMITTED" *or* Status equals "COMPLETE" with a specified Sort Order.

XML Query Node

```xml
<IDQueryCampaignRequest>
    <…>
    <Query>
        <Filters>
            <CampaignStatus>
                <Status>ACTIVE</Status>
                <Status LogicalComparisonOperator="or">SUBMITTED</Status>
                <Status LogicalComparisonOperator="or">COMPLETE</Status>
            </CampaignStatus>
        <SortOrder>
            <Sort Order="asc">status</Sort>
        </SortOrder>
        </Filters>
    </Query>
</IDQueryCampaignRequest>
```

3.8.2 ID Query Campaign Response

3.8.2.1   Schema View

This section covers technical details around the ID Query Campaign API and the accompanying XML message data included in the ID Query Campaign Response.

> API Name: IDQueryCampaign
> XML Message Request: IDQueryCampaignRequest
> XML Message Response: **IDQueryCampaignResponse**

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately. This data is sent from the API in response to a Query Campaign Request.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.8.2.2   XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Query Campaign Response.

Note: For XML, all special characters are accepted with the exception of < and & which must be formatted as **<** and **&** respectively.

Table 6 – IDQueryCampaignResponse Data Elements

Package Campaigns only = ✱
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
QUERY RESULT BLOCK				Only appears for successful AdHoc or EZSearch Queries
CAMPAIGN BLOCK				Repeats for each campaign. Populated with campaign details of a single USPS Campaign ID or a collection of campaigns for AdHoc or EZSearch. Images and Target URL are only returned for a single campaign detail where the USPS Campaign ID is specified in the request.
USPSCampaignId	YES	12	Numeric	Unique identifier for campaign(s).
USPSSubmitterCRID	YES	18	Numeric	
MailOwnerName	YES	50	Alphanumeric	
MailOwnerCRID	YES	18	Numeric	
CampaignCode	YES	40	Alphanumeric	
CampaignGroupingCode ✱	YES	40	Alphanumeric	
CampaignTitle	YES	40	Alphanumeric	
BrandDisplayName	YES	40	Alphanumeric	
CampaignMID	YES	9	Numeric	
CampaignType	YES	3	Alphanumeric	A01 = Non-Sequential Barcodes A02 = MID Level Mail Campaigns ◆ A03 = Serial-Range Level ◆
CampaignShapeType	YES	2	Alphanumeric	LT = Letter ◆ CD = Card ◆ FL = Flat ◆ PK = Package ✱
CampaignProductType	NO	3	Alphanumeric	
StartDate	YES	10	DATE	YYYY-MM-DD
EndDate	YES	10	DATE	YYYY-MM-DD
StartSerial ◆	NO	14	Numeric	*(Mail Campaigns only.)*
EndSerial ◆	NO	14	Numeric	*(Mail Campaigns only.)*
RideAlongImage	YES	Unlimited	Alphanumeric	Returned as a BASE64 encoded image for single campaign detail only.
RideAlongTargetURL	YES	255	Alphanumeric	Returned for single campaign detail only.
RepresentativeImage ◆	NO	Unlimited	Alphanumeric	*(Returned as a BASE64 encoded image for single campaign detail only.) (Mail Campaigns only.)*
Status	YES	30	Alphanumeric	Status of the campaign
BarcodeCount	YES	10	Numeric	Number of barcodes in ACTIVE status associated with the Campaign
CreatedDatetime	YES	20	DateTime	YYYY-MM-DDThh:mm:ssZ
SubmittedDatetime	YES	20	DateTime	YYYY-MM-DDThh:mm:ssZ
LastModifiedDatetime	YES	20	DateTime	YYYY-MM-DDThh:mm:ssZ
Fulledit	YES	5	Alphanumeric	True = Allowed, False = Not Allowed
Limitededit	YES	5	Alphanumeric	True = Allowed, False = Not Allowed
Noedit	YES	5	Alphanumeric	True = Allowed, False = Not Allowed
Addbarcode	YES	5	Alphanumeric	True = Allowed, False = Not Allowed
Delete	YES	5	Alphanumeric	True = Allowed, False = Not Allowed
Cancel	YES	5	Alphanumeric	True = Allowed, False = Not Allowed
PAGEABLE BLOCK				
• PAGEABLE SORT BLOCK				
• Sorted	YES	5	Alphanumeric	True = sorted (True/False)
• Unsorted	YES	5	Alphanumeric	True = unsorted (True/False)

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
• Empty	YES	5	Alphanumeric	True = empty collection (True/False)
• PageNumber	YES	5	Numeric	Current page of campaign data based on sort and query values. Page 1 = 0 and default is 0
• PageSize	YES	10	Numeric	Number of campaigns displayed on the current page. Default is 100
• Offset	YES	10	Numeric	Number of records offset in current page. Start at 1.
• Paged	YES	5	Alphanumeric	True = Paged (True/False)
• Unpaged	YES	5	Alphanumeric	True = Unpaged (True/False)
Last	YES	5	Alphanumeric	True = Last page (True/False)
TotalPages	YES	5	Numeric	Number of pages
TotalElements	YES	10	Numeric	Number of elements in the collection.
First	YES	5	Alphanumeric	True = First page (True/False)
SORT BLOCK				
Sorted	YES	5	Alphanumeric	True= sorted (True/False)
Unsorted	YES	5	Alphanumeric	True= unsorted (True/False)
Empty	YES	5	Alphanumeric	True= empty collection (True/False)
NumberOfElements	YES	10	Numeric	Number of records/campaigns on the page
Size	YES	5	Numeric	Number of records/campaigns on each page
Number	YES	5	Numeric	Current page number
Empty	YES	5	Alphanumeric	True = empty collection (True/False)

3.8.2.3   Sample XML

Single Campaign Query Response

```
<IDQueryCampaignResponse>
    <Campaign>
        <USPSCampaignId></USPSCampaignId>
        <USPSSubmitterCRID></USPSSubmitterCRID>
        <MailOwnerName></MailOwnerName>
        <MailOwnerCRID></MailOwnerCRID>
        <CampaignCode></CampaignCode>
        <CampaignGroupingCode></CampaignGroupingCode>
        <CampaignTitle></CampaignTitle>
        <BrandDisplayName></BrandDisplayName>
        <CampaignMID></CampaignMID>
        <CampaignType></CampaignType>
        <CampaignShapeType></CampaignShapeType>
        <CampaignProductType></CampaignProductType>
        <StartDate></StartDate>
        <EndDate></EndDate>
        <StartSerial></StartSerial>
        <EndSerial></EndSerial>
        <RideAlongImage></RideAlongImage>
        <RideAlongTargetURL></RideAlongTargetURL>
        <RepresentativeImage></RepresentativeImage>
        <Status></Status>
        <BarcodeCount></BarcodeCount>
        <CreatedDatetime></CreatedDatetime>
        <SubmittedDatetime></SubmittedDatetime>
        <LastModifiedDatetime></LastModifiedDatetime>
        <FullEdit></FullEdit>
        <LimitedEdit></LimitedEdit>
        <NoEdit></NoEdit>
        <AddBarcode></AddBarcode>
        <Delete></Delete>
        <Cancel></Cancel>
```

```
        </Campaign>
</IDQueryCampaignResponse>
```

AdHocSearch or EZSearch Query Response

```
<IDQueryCampaignResponse>
    <QueryResult>
        <Campaigns>
            <Campaign>
                <USPSCampaignId></USPSCampaignId>
                <USPSSubmitterCRID></USPSSubmitterCRID>
                <MailOwnerName></MailOwnerName>
                <MailOwnerCRID></MailOwnerCRID>
                <CampaignCode></CampaignCode>
                <CampaignGroupingCode></CampaignGroupingCode>
                <CampaignTitle></CampaignTitle>
                <BrandDisplayName></BrandDisplayName>
                <CampaignMID></CampaignMID>
                <CampaignType></CampaignType>
                <CampaignShapeType></CampaignShapeType>
                <CampaignProductType></CampaignProductType>
                <StartDate></StartDate>
                <EndDate></EndDate>
                <StartSerial></StartSerial>
                <EndSerial></EndSerial>
                <Status></Status>
                <BarcodeCount></BarcodeCount>
                <CreatedDatetime></CreatedDatetime>
                <SubmittedDatetime></SubmittedDatetime>
                <LastModifiedDatetime></LastModifiedDatetime>
                <FullEdit></FullEdit>
                <LimitedEdit></LimitedEdit>
                <NoEdit></NoEdit>
                <AddBarcode></AddBarcode>
                <Delete></Delete>
                <Cancel></Cancel>
            </Campaign>
            <Campaign>
                <USPSCampaignId></USPSCampaignId>
                <USPSSubmitterCRID></USPSSubmitterCRID>
                <MailOwnerName></MailOwnerName>
                <MailOwnerCRID></MailOwnerCRID>
                <CampaignCode></CampaignCode>
                <CampaignGroupingCode></CampaignGroupingCode>
                <CampaignTitle></CampaignTitle>
                <BrandDisplayName></BrandDisplayName>
                <CampaignMID></CampaignMID>
                <CampaignType></CampaignType>
                <CampaignShapeType></CampaignShapeType>
                <CampaignProductType></CampaignProductType>
                <StartDate></StartDate>
                <EndDate></EndDate>
                <StartSerial></StartSerial>
                <EndSerial></EndSerial>
                <Status></Status>
                <BarcodeCount></BarcodeCount>
                <CreatedDatetime></CreatedDatetime>
                <SubmittedDatetime></SubmittedDatetime>
```

```
                    <LastModifiedDatetime></LastModifiedDatetime>
                    <FullEdit></FullEdit>
                    <LimitedEdit></LimitedEdit>
                    <NoEdit></NoEdit>
                    <AddBarcode></AddBarcode>
                    <Delete></Delete>
                    <Cancel></Cancel>
                </Campaign>
            </Campaigns>
            <Pageable>
                <PageableSort>
                    <Sorted></Sorted>
                    <Unsorted></Unsorted>
                    <Empty></Empty>
                </PageableSort>
                <PageNumber></PageNumber>
                <PageSize></PageSize>
                <Offset></Offset>
                <Paged></Paged>
                <Unpaged></Unpaged>
            </Pageable>
            <Last></Last>
            <TotalPages></TotalPages>
            <TotalElements></TotalElements>
            <First></First>
            <Sort>
                <Sorted></Sorted>
                <Unsorted></Unsorted>
                <Empty></Empty>
            </Sort>
            <NumberOfElements></NumberOfElements>
            <Size></Size>
            <Number></Number>
            <Empty></Empty>
        </QueryResult>
</IDQueryCampaignResponse>
```

3.9 Cancel Campaign API - Technical Specification

3.9.1 ID Cancel Campaign Request (POST)

3.9.1.1 Schema View

The Cancel Campaign API allows for an Integrator to cancel an existing Active ID campaign via a POST request. This section covers technical details around the ID Cancel Campaign API and the accompanying XML message data included in it.

> API Name: IDCancelCampaign
> XML Message Request: **IDCancelCampaignRequest**
> XML Message Response: IDCancelCampaignResponse

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately. This data is sent through the API to cancel an existing ID campaign.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.9.1.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Cancel Campaign Request.

Table 6 - IDCancelCampaignRequest Data Elements

Package Campaigns only = ✳
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
TargetAPI	YES	7	Alphanumeric	**Mail Campaigns:** Mail **Package Campaign:** Package Must be populated. This determines which endpoint will be called internally.
LoginName	YES	60	Alphanumeric	BCG username of user submitting request
LoginPassword	YES	50	Alphanumeric	BCG password of user submitting request
USPSSubmitterCRID	YES	18	Numeric	CRID associated with BCG credentials
USPSIDAPIVersion	YES	10	Alphanumeric	The ID API version being used. Must be populated with v1.
SubmitterTransactionId	YES	30	Alphanumeric	Unique ID provided by submitter for tracking file submission. Minimum of 3 characters.
MailOwnerName	YES	50	Alphanumeric	Mail Owner Name associated with the Mail Owner CRID as supplied by Submitter
MailOwnerCRID	YES	18	Numeric	CRID of the Mail Owner – can be the same as the USPSSubmitterCRID if Submitter is the Mail Owner, but must be populated.
FlexOptionA	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionB	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionC	NO	25	Alphanumeric	Do Not Use. For Future Use.
CAMPAIGN BLOCK				Limited to a single campaign block per request.
USPSCampaignID	YES	12	Numeric	Must be included to cancel a campaign. Unique ID identifying the campaign to be cancelled.

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
CampaignCode	YES	40	Alphanumeric	Must be included to cancel a campaign. Must be the exact Campaign Code associated with USPS Campaign ID.

3.9.1.3 Sample XML

Below is an example of what the XML request looks like when submitting an ID Cancel Campaign Request to cancel an existing campaign in Active status.

```
<IDCancelCampaignRequest>
    <TargetAPI></TargetAPI>
    <LoginName></LoginName>
    <LoginPassword></LoginPassword>
    <USPSSubmitterCRID></USPSSubmitterCRID>
    <USPSIDAPIVersion></USPSIDAPIVersion>
    <SubmitterTransactionId></SubmitterTransactionId>
    <MailOwnerName></MailOwnerName>
    <MailOwnerCRID></MailOwnerCRID>
    <Campaign>
        <USPSCampaignId></USPSCampaignId>
        <CampaignCode></CampaignCode>
    </Campaign>
</IDCancelCampaignRequest>
```

3.9.2 ID Cancel Campaign Response

3.9.2.1 Schema View

This section covers technical details around the ID Cancel Campaign API and the accompanying XML message data included in the ID Cancel Campaign Response.

> API Name: IDCancelCampaign
> XML Message Request: IDCancelCampaignRequest
> XML Message Response: **IDCancelCampaignResponse**

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately. This data is sent from the API in response to a Cancel Campaign Request.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.9.2.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Cancel Campaign Response.

<div align="center">

Table 7 – IDCancelCampaignResponse Data Elements

</div>

Package Campaigns only = ✳
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
SystemTransactionId	YES	30	Alphanumeric	System Generated
USPSSubmitterCRID	YES	18	Numeric	From request

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
SubmitterTransactionId	YES	30	Alphanumeric	From request
TransactionStatus	YES	1	Alpha	S = Successful U = Unsuccessful
FlexOptionA	NO	25	Alphanumeric	From request
FlexOptionB	NO	25	Alphanumeric	From request
FlexOptionC	NO	25	Alphanumeric	From request
CAMPAIGN BLOCK				Campaign Information
USPSCampaignId	YES	12	Numeric	The Campaign ID from the request.
CampaignMID	NO	9	Numeric	Populated from database lookup. Not returned in an unsuccessful request.
BrandDisplayName	NO	40	Alphanumeric	Populated from database lookup. Not returned in an unsuccessful request.
CampaignGroupingCode ∗	NO	40	Alphanumeric	Populated from database lookup. Not returned in an unsuccessful request.
CampaignCode	YES	40	Alphanumeric	The CampaignCode from the request.
FlexOptionD	NO	25	Alphanumeric	Not currently used or populated.
FlexOptionE	NO	25	Alphanumeric	Not currently used or populated.
FlexOptionF	NO	25	Alphanumeric	Not currently used or populated.
MESSAGE BLOCK				Campaign Messages
MsgType	YES	1	Alpha	F = FATAL E = ERROR I = INFO/SUCCESS/OTHER W = WARNING
MsgLocation	NO	1	Alphanumeric	C = CLIENT – WebTools S = SERVER – Informed Delivery
MsgReleaseIdAPIVersionAddUpdate	NO	12	Alphanumeric	ID API version that the message is associated with - last updated or added.
MsgCode	YES	50	Alphanumeric	Code for error or warning
MsgDescription	YES	1,200	Alphanumeric	Detailed description of error or warning, etc.
MsgAction	NO	1,200	Alphanumeric	Not currently used

3.9.2.3 Sample XML

```
<IDCancelCampaignResponse>
     <SystemTransactionId></SystemTransactionId>
     <USPSSubmitterCRID></USPSSubmitterCRID>
     <SubmitterTransactionId></SubmitterTransactionId>
     <TransactionStatus></TransactionStatus>
     <FlexOptionA></FlexOptionA>
     <FlexOptionB></FlexOptionB>
     <FlexOptionC></FlexOptionC>
     <Campaign>
          <USPSCampaignId></USPSCampaignId>
          <CampaignMID></CampaignMID>
          <BrandDisplayName></BrandDisplayName>
          <CampaignGroupingCode></CampaignGroupingCode>
          <CampaignCode></CampaignCode>
          <FlexOptionD></FlexOptionD>
          <FlexOptionE></FlexOptionE>
          <FlexOptionF></FlexOptionF>
          <Messages>
               <Message>
                    <MsgType></MsgType>
                    <MsgLocation></MsgLocation>
                    <MsgReleaseIDAPIVersionAddUpdate></MsgReleaseIDAPIVersionAddUpdate>
                    <MsgCode></MsgCode>
                    <MsgDescription></MsgDescription>
```

```
                <MsgAction></MsgAction>
            </Message>
        </Messages>
    </Campaign>
</IDCancelCampaignResponse>
```

3.10 Delete Campaign API - Technical Specification

3.10.1 ID Delete Campaign Request (POST)

3.10.1.1 Schema View

The Delete Campaign API allows for an Integrator to delete a campaign currently in Submitted or Inactive status. This section covers technical details around the ID Delete Campaign API and the accompanying XML message data included in the ID Delete Campaign API request and response.

> API Name: IDDeleteCampaign
> XML Message Request: **IDDeleteCampaignRequest**
> XML Message Response: IDDeleteCampaignResponse

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately. This data is sent through the API to delete existing ID campaigns in Submitted or Inactive status.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.10.1.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Delete Campaign Request.

<div align="center">

Table 8 - IDDeleteCampaignRequest Data Elements

</div>

Package Campaigns only = ✳
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
TargetAPI	YES	7	Alphanumeric	**Mail Campaigns:** Mail **Package Campaign:** Package Must be populated. This determines which endpoint will be called internally.
LoginName	YES	60	Alphanumeric	BCG username of user submitting request
LoginPassword	YES	50	Alphanumeric	BCG password of user submitting request
USPSSubmitterCRID	YES	18	Numeric	CRID associated with BCG credentials
USPSIDAPIVersion	YES	10	Alphanumeric	The ID API version being used. Must be populated with v1.
SubmitterTransactionId	YES	30	Alphanumeric	Unique ID provided by submitter for tracking file submission. Minimum of 3 characters.
MailOwnerName	YES	50	Alphanumeric	Mail Owner Name associated with the Mail Owner CRID as supplied by Submitter
MailOwnerCRID	YES	18	Numeric	CRID of the Mail Owner – can be the same as the USPSSubmitterCRID if Submitter is the Mail Owner, but must be populated.
FlexOptionA	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionB	NO	25	Alphanumeric	Do Not Use. For Future Use.
FlexOptionC	NO	25	Alphanumeric	Do Not Use. For Future Use.
CAMPAIGN BLOCK				Limited to a single campaign block per request.
USPSCampaignID	YES	12	Numeric	Must be included to delete a campaign. Unique ID of the campaign that is being deleted.

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
Campaign Code	YES	40	Alphanumeric	Must be included to delete a campaign. Must match the Campaign Code associated with the USPS Campaign ID.

3.10.1.3 Sample XML

Below is an example of what the XML request would look like when submitting the ID Delete Campaign Request to delete a campaign.

```
<IDDeleteCampaignRequest>
    <TargetAPI></ TargetAPI >
    <LoginName></LoginName>
    <LoginPassword></LoginPassword>
    <USPSSubmitterCRID></USPSSubmitterCRID>
    <USPSIDAPIVersion></USPSIDAPIVersion>
    <SubmitterTransactionId></SubmitterTransactionId>
    <MailOwnerName></MailOwnerName>
    <MailOwnerCRID></MailOwnerCRID>
    <FlexOptionA></FlexOptionA>
    <FlexOptionB></FlexOptionB>
    <FlexOptionC></FlexOptionC>
    <Campaign>
        <USPSCampaignId></USPSCampaignId>
        <CampaignCode></CampaignCode>
    </Campaign>
</IDDeleteCampaignRequest>
```

3.10.2 ID Delete Campaign Response

3.10.2.1 Schema View

This section covers technical details around the ID Delete Campaign API and the accompanying XML message data included in the ID Delete Campaign Response.

API Name: IDDeleteCampaign
XML Message Request: IDDeleteCampaignRequest
XML Message Response: **IDDeleteCampaignResponse**

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately. This data is sent from the API in response to a Delete Campaign Request.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.10.2.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for an ID Delete Campaign Response.

Table 9 – IDDeleteCampaignResponse Data Elements

Package Campaigns only = ✳
Mail Campaigns only = ◆

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
USPSSubmitterCRID	YES	18	Numeric	From request
SubmitterTransactionId	YES	30	Alphanumeric	From request
TransactionStatus	YES	1	Alpha	S = Successful Accept All Good U = Failed Not Processed P = Partially Success
FlexOptionA	NO	25	Alphanumeric	From request
FlexOptionB	NO	25	Alphanumeric	From request
FlexOptionC	NO	25	Alphanumeric	From request
CAMPAIGN BLOCK				Campaign Information
USPSCampaignId	YES	12	Numeric	The Campaign ID from the request.
CampaignMID	NO	9	Numeric	Populated from database lookup. Not returned in an unsuccessful request.
BrandDisplayName	NO	40	Alphanumeric	Populated from database lookup. Not returned in an unsuccessful request.
CampaignGroupingCode ◆	NO	40	Alphanumeric	Populated from database lookup. Not returned in an unsuccessful request.
CampaignCode	YES	40	Alphanumeric	The CampaignCode from the request
FlexOptionD	NO	25	Alphanumeric	Not currently used or populated.
FlexOptionE	NO	25	Alphanumeric	Not currently used or populated.
FlexOptionF	NO	25	Alphanumeric	Not currently used or populated.
MESSAGE BLOCK				Campaign Messages
MsgType	YES	1	Alpha	F = FATAL E = ERROR I = INFO/SUCCESS/OTHER W = WARNING
MsgLocation	NO	1	Alphanumeric	C = CLIENT – WebTools S = SERVER – Informed Delivery
MsgReleaseIdAPIVersionAddUpdate	NO	12	Alphanumeric	ID API version that the message is associated with - last updated or added.
MsgCode	YES	50	Alphanumeric	Code for error or warning
MsgDescription	YES	1,200	Alphanumeric	Detailed description of error or warning, etc.
MsgAction	NO	1,200	Alphanumeric	Not currently used

3.10.2.3 Sample XML

```
<IDDeleteCampaignResponse>
    <SystemTransactionId></SystemTransactionId>
    <USPSSubmitterCRID></USPSSubmitterCRID>
    <SubmitterTransactionId></SubmitterTransactionId>
    <TransactionStatus></TransactionStatus>
    <FlexOptionA></FlexOptionA>
    <FlexOptionB></FlexOptionB>
    <FlexOptionC></FlexOptionC>
    <Campaign>
        <USPSCampaignId></USPSCampaignId>
        <CampaignMID></CampaignMID>
        <BrandDisplayName></BrandDisplayName>
        <CampaignGroupingCode></CampaignGroupingCode>
        <CampaignCode></CampaignCode>
        <FlexOptionD></FlexOptionD>
        <FlexOptionE></FlexOptionE>
        <FlexOptionF></FlexOptionF>
        <Messages>
            <Message>
                <MsgType></MsgType>
```

```
                    <MsgLocation></MsgLocation>
                    <MsgReleaseIDAPIVersionAddUpdate></MsgReleaseIDAPIVersionAddUpdate>
                    <MsgCode></MsgCode>
                    <MsgDescription></MsgDescription>
                    <MsgAction></MsgAction>
                </Message>
            </Messages>
        </Campaign>
</IDDeleteCampaignResponse>
```

3.11 Query Callback Key API - Technical Specification

3.11.1 ID Query Callback Key Request

3.11.1.1 Schema View

The Query Callback Key API allows integrators to query the status of an asynchronous Add Barcode Request by providing the Callback Key received in the original Add Barcode Response that was processed asynchronously. This section covers technical details around the ID Query Callback Key API and the accompanying XML message data for the ID Query Callback Key Request.

>API Name: IDQueryCallbackKey
>XML Message Request: **IDQueryCallbackKeyRequest**
>XML Message Response: IDQueryCallbackKeyResponse

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately.

3.11.1.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Query Callback Key Request.

Table 8 - IDQueryCallbackKeyRequest Data Elements

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
TargetAPI	YES	7	Alphanumeric	Must be populated with Mail or Package. Mail = Mail Campaigns Package = Package Campaigns This determines the endpoint the request is forwarded to by WebTools.
LoginName	YES	50	Alphanumeric	BCG username of user submitting request
LoginPassword	YES	50	Alphanumeric	BCG password of user submitting request
USPSSubmitterCRID	YES	18	Numeric	CRID associated with BCG credentials
USPSIdAPIVersion	YES	10	Alphanumeric	The ID API version being used. Must be populated with v1.
QUERY BLOCK				
CallbackKey	YES	12	Numeric	Must be included in the request. This is the UUID (Universally Unique ID) key returned in the original asynchronous Add Barcode Response.

3.11.1.3 Sample XML

Below is an example of what the XML request would look like when submitting to the ID Query Callback Key Request.

```
<IDQueryCallbackKeyRequest>
     <TargetAPI></ TargetAPI >
     <LoginName></LoginName>
     <LoginPassword></LoginPassword>
     <USPSSubmitterCRID></USPSSubmitterCRID>
     <USPSIDAPIVersion></USPSIDAPIVersion>
     <Query>
          <CallbackKey></CallbackKey>
     </Query>
```

</IDQueryCallbackKeyRequest>

3.11.2 ID Query Callback Key Response

3.11.2.1 Schema View

The Query Callback Key API allows integrators to query the status of an asynchronous Add Barcode Request by providing the Callback Key received in the original Add Barcode Response. This section covers technical details around the ID Query Callback Key API and the accompanying XML message data for the ID Query Callback Key Response.

> API Name: IDQueryCallbackKey
> XML Message Request: IDQueryCallbackKeyRequest
> XML Message Response: **IDQueryCallbackKeyResponse**

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately.

3.11.2.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Query Callback Key Response. There are two possible responses. If Informed Delivery has not finished processing the asynchronous Add Barcode Request, then the Callback Block will be returned with a status stating that the request is still processing. If Informed Delivery has finished the processing of the request, then the Campaign Block with embedded Summary Block will be returned in the response and will contain summary information on how many barcodes were submitted, how many passed and how many failed with a count of the errors received on any failed barcodes.

This response does not contain the barcode error details. The Query Barcode Error Detail Request can be used to pull the details of errors received on all failed barcodes for an asynchronous Add Barcode Request.

Table 9 – IDQueryCallbackKeyResponse Data Elements

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
CAMPAIGN BLOCK				Returned if the Add Barcode Request is finished processing
USPSCampaignId	YES	12	Numeric	Unique identifier of the campaign the barcodes were added to in the Add Barcode Request.
SUMMARY BLOCK				
CATEGORY BLOCK				Returned under the Campaign Block if request is finished processing. Repeats for each Description below.
Description	YES	1200	Alphanumeric	Contains one of the descriptions below: -Total barcodes submitted -Total barcodes added successfully -Total barcodes failed -*BarcodeMsgCode* element for any errors encountered

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
Quantity	YES	15	Numeric	Total count for each description above. Each failed barcode may have more than one *BarcodeMsgCode* associated with it, which means the total sum of all *BarcodeMsgCode* counts may exceed the total number of barcodes submitted.
CALLBACK BLOCK				Returned if the Add Barcode Request is not finished processing or the Callback Key is invalid or expired
CallbackKey	YES	36	Alphanumeric	Callback Key populated from request.
CallbackMsg	YES	1200	Alphanumeric	If the request is not finished processing, this element will contain the below message: "Your API request has been received and is still processing. Try again later."

3.11.2.3 Sample XML

Response with Summary Data – Add Barcode Request Processing Completed

```
<IDQueryCallbackKeyResponse>
    <Campaign>
        <USPSCampaignId></USPSCampaignId>
        <Summary>
            <Category>
                <Description></Description>
                <Quantity></Quantity>
            </Category>
            <Category>
                <Description></Description>
                <Quantity></Quantity>
            </Category>
        </Summary>
    </Campaign>
</IDQueryCallbackKeyResponse>
```

Response with Callback Block – Add Barcode Request Processing Not Completed or Callback Invalid or Expired

```
<IDQueryCallbackKeyResponse>
    <Callback>
        <CallbackKey></CallbackKey>
        <CallbackMsg/></CallbackMsg/>
    </Callback>
</IDQueryCallbackKeyResponse>
```

3.12 Query Callback Key Lookup API - Technical Specification

3.12.1 ID Query Callback Key Lookup Request

3.12.1.1 Schema View

The Query Callback Key Lookup API allows integrators to query a collection of all Callback Keys for the requesting Submitter CRID. This section covers technical details around the ID Query Callback Key Lookup API and the accompanying XML message data for the ID Query Callback Lookup Key Request.

> API Name: IDQueryCallbackKeyLookup
> XML Message Request: **IDQueryCallbackKeyLookupRequest**
> XML Message Response: IDQueryCallbackKeyLookupResponse

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately.

3.12.1.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Query Callback Key Lookup Request. For any data fields that are not required, do not include them if they will not be populated with data. If the tag is included and blank, the request will receive an error response back.

Table 8 - IDQueryCallbackKeyLookupRequest Data Elements

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
TargetAPI	YES	7	Alphanumeric	**Mail** = Mail Campaigns **Package** = Package Campaigns. Must be populated. This determines which endpoints to hit – Mail or Packages.
LoginName	YES	50	Alphanumeric	BCG username of user submitting request
LoginPassword	YES	50	Alphanumeric	BCG password of user submitting request
USPSSubmitterCRID	YES	18	Numeric	CRID associated with BCG credentials
USPSIdAPIVersion	YES	10	Alphanumeric	The ID API version being used. Must be populated with v1.
QUERY BLOCK	NO			If the Query Block is omitted, all Callback Keys for the USPSSubmitterCRID will be returned.
FILTER BLOCK				
Size	NO	5	Numeric	Number of campaigns returned per response. Default = 100
Page	NO	5	N	Page number to return 1st Page = 0 Defaults to 0 if not specified. Page is zero-based which means that the first page number is 0.
SortOrder				

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
Sort	YES*		Alphanumeric	Required if the SortOrder element is included. The Sort element defines the column upon which the query result is sorted. Valid sortable columns are pre-defined in the schema. The Sort element has a single optional Order attribute that specifies whether the sort is ascending (asc) or descending (desc). If the Order is omitted, the sort order defaults to ascending. **Allowed Sort Values:** usps-campaign-id submitted-datetime total-barcodes total-barcodes-added total-barcodes-failed
Order attribute	NO			Defines the order of the sort. Default is asc (ascending). **Allowed Order Values:** asc desc
LookupKeySearchConditions	NO			
Search	YES*			Required if the LookupKeySearchConditions element is included
Column attribute	YES	40	Alphanumeric	**Allowed Column Values:** usps-campaign-id submitted-datetime total-barcodes total-barcodes-added total-barcodes-failed

LogicalComparisonOperator attribute	NO	3	Alpha	Defines how the search query parameters are combined.
				   or = Either A <u>or</u> B
				   and = Both A <u>and</u> B
				   not = A or <u>not</u> B
				These may **not** be combined on the same parameter.

ValueComparisonOperator attribute	NO	15	Alpha	**Allowed Comparison Operators:** eq = equals ne = not equals gt = greater than gte = greater than or equals lt = less than lte = less than or equals

3.12.1.3 Sample XML

Below is an example of what the XML request would look like when submitting a request to the ID Query Callback Key Lookup Request.

```
<IDQueryCallbackKeyLookupRequest>
    <TargetAPI></TargetAPI>
    <LoginName></LoginName>
    <LoginPassword></LoginPassword>
    <USPSSubmitterCRID></USPSSubmitterCRID>
    <USPSIDAPIVersion></USPSIDAPIVersion>
    <Query>
        <Filters>
            <Size></Size>
            <Page></Page>
            <SortOrder>
                <Sort Order=""></Sort>
            </SortOrder>
            <LookupKeySearchConditions>
                <Search Column="" LogicalComparisonOperator="" ValueComparisonOperator=""></Search>
                <Search Column="" LogicalComparisonOperator="" ValueComparisonOperator=""></Search>
                <Search Column="" LogicalComparisonOperator="" ValueComparisonOperator=""></Search>
            </LookupKeySearchConditions>
        </Filters>
    </Query>
</IDQueryCallbackKeyLookupRequest>
```

3.12.2 ID Query Callback Key Lookup Response

3.12.2.1 Schema View

The Query Callback Key Lookup API allows integrators to query a collection of all Callback Keys for the requesting Submitter CRID. This section covers technical details around the ID Query Callback Key Lookup API and the accompanying XML message data including the ID Query Callback Key Lookup Response.

> API Name: IDQueryCallbackKeyLookup
> XML Message Request: IDQueryCallbackKeyLookupRequest
> XML Message Response: **IDQueryCallbackKeyLookupResponse**

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately.

3.12.2.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Query Callback Key Lookup Response.

Table 9 – IDQueryCallbackKeyLookupResponse Data Elements

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
QUERY RESULT BLOCK				
CALLBACK BLOCK				Repeats for each Callback Key returned in the collection
USPSCampaignId	YES	12	Numeric	Campaign ID associated with the Add Barcode Request.
CallbackKey	YES	36	Alphanumeric	UUID associated with the Add Barcode Request that was sent asynchronously.
SubmitterTransactionId	YES	30	Alphanumeric	The submitter transaction ID under which the Add Barcode Request was submitted.
ProcessingStatus	YES	30		**Possible Values:** SUBMITTED PROCESSING COMPLETE-ERRORS COMPLETE-NOERRORS SYSTEM-FAILURE NOTE: These possible values are not constrained or defined by the XML Schema
SubmittedDatetime	YES	20	DateTime	Date the initial Add Barcode Request was submitted
TotalBarcodes	YES	10	Numeric	Total barcodes included in the request. This value may be *nil* if the request has not finished processing
USPSSubmitterCrid	YES	18	Numeric	USPSSubmitterCRID from request
TotalBarcodesAdded	YES	10	Numeric	Total barcodes that were successfully added from the request. This value may be *nil* if the request has not finished processing
TotalBarcodesFailed	YES	10	Numeric	Total barcodes that failed and were not added from the request. This value may be *nil* if the request has not finished processing
ExpirationDatetime	YES	20	DateTime	Date at which the Callback Key expires.
Active	YES	20		True = Active (True/False) Identifies whether or not the Callback Key is still active and not expired.
PAGEABLE BLOCK				
• PAGEABLE SORT BLOCK				
• Sorted	YES	5	Alphanumeric	True = sorted (True/False)

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
• Unsorted	YES	5	Alphanumeric	True = unsorted (True/False)
• Empty	YES	5	Alphanumeric	True = empty collection (True/False)
• PageNumber	YES	5	Numeric	Current page of campaign data based on sort and query values. Page 1 = 0 and default is 0
• PageSize	YES	10	Numeric	Number of campaigns displayed on the current page. Default is 100
• Offset	YES	10	Numeric	Number of records offset in current page. Start at 1.
• Paged	YES	5	Alphanumeric	True = Paged (True/False)
• Unpaged	YES	5	Alphanumeric	True = Unpaged (True/False)
Last	YES	5	Alphanumeric	True = Last page (True/False)
TotalPages	YES	5	Numeric	Number of pages
TotalElements	YES	10	Numeric	Number of elements in the collection.
First	YES	5	Alphanumeric	True=First page (True/False)
SORT BLOCK				
Sorted	YES	5	Alphanumeric	True= sorted (True/False)
Unsorted	YES	5	Alphanumeric	True= unsorted (True/False)
Empty	YES	5	Alphanumeric	True= empty collection (True/False)
NumberOfElements	YES	10	Numeric	Number of records/campaigns on the page
Size	YES	5	Numeric	Number of records/campaigns on each page
Number	YES	5	Numeric	Current page number
Empty	YES	5	Alphanumeric	True = empty collection (True/False)

3.12.2.3 Sample XML

```
<IDQueryCallbackKeyLookupResponse>
    <QueryResult>
        <Callbacks>
            <Callback>
                <USPSCampaignId></USPSCampaignId>
                <CallbackKey></CallbackKey>
                <SubmitterTransactionId></SubmitterTransactionId>
                <ProcessingStatus></ProcessingStatus>
                <SubmittedDatetime></SubmittedDatetime>
                <TotalBarcodes xsi:nil="true"></TotalBarcodes>
                <USPSSubmitterCrid></USPSSubmitterCrid>
                <TotalBarcodesAdded xsi:nil="true"></TotalBarcodesAdded>
                <TotalBarcodesFailed xsi:nil="true"></TotalBarcodesFailed>
                <ExpirationDatetime></ExpirationDatetime>
                <Active></Active>
            </Callback>
            <Callback>
                <USPSCampaignId></USPSCampaignId>
                <CallbackKey></CallbackKey>
                <SubmitterTransactionId></SubmitterTransactionId>
                <ProcessingStatus></ProcessingStatus>
                <SubmittedDatetime></SubmittedDatetime>
                <TotalBarcodes xsi:nil="true"></TotalBarcodes>
                <USPSSubmitterCrid></USPSSubmitterCrid>
                <TotalBarcodesAdded xsi:nil="true"></TotalBarcodesAdded>
                <TotalBarcodesFailed xsi:nil="true"></TotalBarcodesFailed>
                <ExpirationDatetime></ExpirationDatetime>
                <Active></Active>
            </Callback>
        </Callbacks>
        <Pageable>
            <PageableSort>
                <Sorted></Sorted>
```

```xml
                    <Unsorted></Unsorted>
                    <Empty></Empty>
                </PageableSort>
                <PageNumber></PageNumber>
                <PageSize></PageSize>
                <Offset></Offset>
                <Paged></Paged>
                <Unpaged></Unpaged>
            </Pageable>
            <Last></Last>
            <TotalPages></TotalPages>
            <TotalElements></TotalElements>
            <First></First>
            <Sort>
                <Sorted></Sorted>
                <Unsorted></Unsorted>
                <Empty></Empty>
            </Sort>
            <NumberOfElements></NumberOfElements>
            <Size></Size>
            <Number></Number>
            <Empty></Empty>
        </QueryResult>
</IDQueryCallbackKeyLookupResponse>
```

3.13 Query Barcode Error Detail API - Technical Specification

3.13.1 ID Query Barcode Error Detail Request

3.13.1.1 Schema View

The Query Barcode Error Detail API allows for integrators to pull detail error information for Add Barcode Requests using the Callback Key provided in the original Add Barcode Response for asynchronous requests. This section covers technical details around the ID Barcode Error Detail API and the accompanying XML message data including the ID Query Barcode Error Detail.

API Name: IDQueryBarcodeErrorDetail
XML Message Request: **IDQueryBarcodeErrorDetailRequest**
XML Message Response: IDQueryBarcodeErrorDetailResponse

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately.

3.13.1.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Barcode Error Detail Request.

Table 8 – IDQueryBarcodeErrorDetailRequest Data Elements

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
TargetAPI	YES	7	Alphanumeric	**Mail** = Mail Campaigns **Package** = Package Campaigns. Must be populated. This determines which endpoints to hit – Mail or Packages.
LoginName	YES	50	Alphanumeric	BCG username of user submitting request
LoginPassword	YES	50	Alphanumeric	BCG password of user submitting request
USPSSubmitterCRID	YES	18	Numeric	CRID associated with BCG credentials
USPSIdAPIVersion	YES	10	Alphanumeric	The ID API version being used. Must be populated with v1.
QUERY BLOCK	YES			Contains filters to limit the data returned by the API.
CallbackKey	YES	12	Alphanumeric	The UUID that was assigned to the Add Barcode Request and returned by the API
FILTERS BLOCK	NO			Contains any additional filter conditions to limit the data returned by the API.
Size	NO		Numeric	The number of Callback Keys returned for the page on the response
Page	NO		Numeric	The page number to return. Pages are zero based so the first page number is 0. If Page is not included, page number 0 is returned.
SORT ORDER BLOCK	NO			Contains sort order conditions
Sort	YES		Alphanumeric	Required if the Sort Order block is present. Defines the column on which the result is sorted. **Allowed Sort Value:** barcode-msg-code

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
Order attribute	NO			Defines the order of the sort. Default is asc (ascending). **Allowed Order Values** asc desc
BARCODE MSG CODES BLOCK				Contains the error message(s) .
BarcodeMsgCode	NO	1200	A/N	Defines the barcode errors that will be included in the data returned. Multiple error codes may be included. The error strings must exactly match the errors returned by the API in the Query Callback Key Response.

3.13.1.3 Sample XML

Below is an example of what the XML request would look like when submitting the ID Barcode Error Detail Request.

```
<IDQueryBarcodeErrorDetailRequest>
     <TargetAPI></TargetAPI>
     <LoginName></LoginName>
     <LoginPassword></LoginPassword>
     <USPSSubmitterCRID></USPSSubmitterCRID>
     <USPSIDAPIVersion></USPSIDAPIVersion>
     <Query>
          <CallbackKey></CallbackKey>
          <Filters>
               <Size></Size>
               <Page></Page>
               <SortOrder>
                    <Sort Order=""></Sort>
               </SortOrder>
               <BarcodeMsgCodes>
                    <BarcodeMsgCode></BarcodeMsgCode>
                    <BarcodeMsgCode></BarcodeMsgCode>
               </BarcodeMsgCodes>
          </Filters>
     </Query>
</IDQueryBarcodeErrorDetailRequest>
```

3.13.2 ID Query Barcode Error Detail Response

3.13.2.1 Schema View

The ID Barcode Error Detail API allows Integrators to delete an existing Submitted Informed Delivery campaign. This section covers technical details around the ID Barcode Error Detail API and the accompanying XML message data including the ID Barcode Error Detail Response.

> API Name: IDQueryBarcodeErrorDetail
> XML Message Request: IDQueryBarcodeErrorDetailRequest
> XML Message Response: **IDQueryBarcodeErrorDetailResponse**

For a diagram depicting the XML schema for this type of request, refer to the XML schema file provided separately.

3.13.2.2 XML Message Data Elements

The following table represents the data elements embedded in the XML message body for the ID Barcode Error Detail Response.

The API will return either a Campaign Block or a Callback Block. The Campaign Block is returned when the Callback Key in the request is valid, still active, and has not expired. The Callback Block is returned when the Callback Key in the request is invalid or has expired. The Callback Keys are active for 60 days from the date they were first generated.

Table 9 – IDQueryBarcodeErrorDetailResponse Data Elements

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
CAMPAIGN BLOCK				Campaign Information – Contains barcodes with messages that match the filter criteria specified in the request.
USPSCampaignId	NO	12	Numeric	Database generated unique ID for campaign
BARCODE BLOCK				Contains the barcodes and their error messages.
Barcode				Full barcode
BARCODE MESSAGE BLOCK				Contains the error message for the failed barcode
BarcodeMsgType	YES	1	Alpha	F = FATAL E = ERROR I = INFO/SUCCESS/OTHER W = WARNING
BarcodeMsgCode	YES	50	Alphanumeric	The error code encountered for the barcode
BarcodeMsgDescription	YES	1200	Alphanumeric	This will contain a detailed description of the warning, information or error code encountered in Informed Delivery, if applicable.
PAGEABLE BLOCK				
• PAGEABLE SORT BLOCK				
• Sorted	YES	5	Alphanumeric	True = sorted (True/False)
• Unsorted	YES	5	Alphanumeric	True = unsorted (True/False)
• Empty	YES	5	Alphanumeric	True = empty collection (True/False)
• PageNumber	YES	5	Numeric	Current page of campaign data based on sort and query values. Page 1 = 0 and default is 0
• PageSize	YES	10	Numeric	Number of campaigns displayed on the current page. Default is 100
• Offset	YES	10	Numeric	Number of records offset in current page. Start at 1.
• Paged	YES	5	Alphanumeric	True = Paged (True/False)
• Unpaged	YES	5	Alphanumeric	True = Unpaged (True/False)
Last	YES	5	Alphanumeric	True = Last page (True/False)
TotalPages	YES	5	Numeric	Number of pages
TotalElements	YES	10	Numeric	Number of elements in the collection.
First	YES	5	Alphanumeric	True = First page (True/False)
SORT BLOCK				
Sorted	YES	5	Alphanumeric	True= sorted (True/False)
Unsorted	YES	5	Alphanumeric	True= unsorted (True/False)
Empty	YES	5	Alphanumeric	True= empty collection (True/False)

FIELD	REQUIRED	LENGTH	DATA TYPE	DESCRIPTION
NumberOfElements	YES	10	Numeric	Number of records/campaigns on the page
Size	YES	5	Numeric	Number of records/campaigns on each page
Number	YES	5	Numeric	Current page number
Empty	YES	5	Alphanumeric	True = empty collection (True/False)
CALLBACK BLOCK				Returned for an invalid or expired Callback Key
CallbackKey				Callback Key from Request
CallbackMsg				Two Possible Errors Returned: PathVariableCallbackKey.Invalid – Callback Key not valid for Submitter CRID PathVariableCallbackKey.Expired – Callback Keys are only valid for 60 days passed the barcode request submission date

3.13.2.3 Sample XML

Response with Collection of Barcode Errors

```
<IDQueryBarcodeErrorDetailResponse>
    <Campaign>
        <USPSCampaignId></USPSCampaignId>
        <Barcodes>
            <Barcode>
                <Barcode></Barcode>
                <BarcodeMessage>
                    <BarcodeMsgType></BarcodeMsgType>
                    <BarcodeMsgCode></BarcodeMsgCode>
                    <BarcodeMsgDescription></BarcodeMsgDescription>
                    <BarcodeMsgAction></BarcodeMsgAction>
                </BarcodeMessage>
            </Barcode>
            <Barcode>
                <Barcode></Barcode>
                <BarcodeMessage>
                    <BarcodeMsgType></BarcodeMsgType>
                    <BarcodeMsgCode></BarcodeMsgCode>
                    <BarcodeMsgDescription></BarcodeMsgDescription>
                    <BarcodeMsgAction></BarcodeMsgAction>
                </BarcodeMessage>
            </Barcode>
        </Barcodes>
        <Pageable>
            <PageableSort>
                <Sorted></Sorted>
                <Unsorted></Unsorted>
                <Empty></Empty>
            </PageableSort>
            <PageNumber></PageNumber>
            <PageSize></PageSize>
            <Offset></Offset>
            <Paged/>
            <Unpaged></Unpaged>
        </Pageable>
```

```
            <Last></Last>
            <TotalPages></TotalPages>
            <TotalElements></TotalElements>
            <First></First>
            <Sort>
                  <Sorted></Sorted>
                  <Unsorted></Unsorted>
                  <Empty></Empty>
            </Sort>
            <NumberOfElements></NumberOfElements>
            <Size></Size>
            <Number></Number>
            <Empty></Empty>
      </Campaign>
</IDQueryBarcodeErrorDetailResponse>
```

Response with Invalid or Expired Callback Key

```
<IDQueryBarcodeErrorDetailResponse>
      <Callback>
            <CallbackKey></CallbackKey>
            <CallbackMsg></CallbackMsg>
      </Callback>
</IDQueryBarcodeErrorDetailResponse >
```

3.14 Error Handling

The ID API provides Error Handling information in two parts:

Client-side (WebtoolsCommon) errors such as authentication, authorization, and schema validations. Server-side ID campaign management business rule validations, errors, and warnings

The two types are returned in two different datasets. The Informed Delivery server-side errors and warnings are returned as part of the XML Response, and client-side errors are returned as schema validation errors from WebTools prior to Informed Delivery processing.

Note: The schemas presented below are provided as a sample. When creating an XML Message Request, it is important that the tags appear in the correct order. Refer to the sample schemas for the correct order of XML tags.

3.14.1 Client–Side WebTools and Informed Delivery API Error Messages

3.14.1.1 Format

Errors generated by malformed XML requests, XML schema errors, Authorization and Authentication errors, or Path Variable errors will be returned in the below format:

```
<IDServerErrorResponse>
  <TimeStamp></TimeStamp>
  <Status></Status>
  <Error></Error>
  <Message></Message>
  <Path></Path>
</IDServerErrorResponse>
```

TimeStamp = Date and time error occurred.

Status = the error number generated by the Web Tools server.

Error = the component and interface that generated the error on the Web Tools server.

Message = the error description.

Path = URI returned on 500 errors only (ex: /id-api-mail/v1/campaign-management/submitter-crids/99999999/campaigns/1234033733/cancel)

3.14.1.2 Sample Messages

NOTE: The WebTools API converts the single quote character to &#39 for transport over the internet. The message samples contain the actual message that will be returned by the WebTools API.

Authentication Errors

```
<IDServerErrorResponse>
   <TimeStamp>2022-04-27T01:16:15.889+00:00</TimeStamp>
   <Status>-2147221202</Status>
   <Error>WebtoolsCommon</Error>
   <Message><![CDATA[The element &#39;IDCreateCampaignRequest&#39; has invalid child element &#39;LoginName&#39;. List of
possible elements expected: &#39;TargetAPI&#39;.]]></Message>
<Path/>
</IDServerErrorResponse>
```

Authorization Errors

```
<IDServerErrorResponse>
   <TimeStamp>2022-04-16T04:29:42.107+00:00</TimeStamp>
   <Status>-2147220561</Status>
   <Error>InformedDelivery</Error>
   <Message>Submitter is not authorized to submit requests to the IDAPI. Please contact the Informed Delivery Help Desk at
USPSInformedDeliveryCampaigns@usps.gov.</Message>
   <Path/>
</IDServerErrorResponse>
```

XML Schema Validation Errors

```
<IDServerErrorResponse>
   <TimeStamp>2022-04-16T04:29:55.388+00:00</TimeStamp>
   <Status>-2147221202</Status>
   <Error>WebtoolsCommon</Error>
   <Message><![CDATA[The &#39;CampaignCode&#39; element is invalid - The value &#39;&#39; is invalid according to its datatype
&#39;http://informeddelivery.usps.com/Specs/idapi4.0.1/base:campaignCode&#39; - The actual length is less than the MinLength
value.]]></Message>
   <Path/>
</IDServerErrorResponse>
```

3.15 Errors and Warnings

3.15.1 Client-Side Informed Delivery API Errors

Below is a list of client-side errors, including authentication, authorization, and schema validations errors from Web Tools.

Table 10 – Client-Side Informed Delivery API Errors

Source: WT = WebTools; CR = Customer Registration

Number	Source	Description	Help File
101	WT	XML message is not well formed.	Check the form of the XML message to ensure it has all required elements.
102	WT	XML message is not a valid format for the ID API.	Check the format of the XML message to ensure it contains valid elements for the ID API.
103	CR	Access denied	Resubmit with valid credentials.
104	CR	USPS-SUBMITTER-CRID is not authorized to submit requests to the WT2RMINCAMPAIGN. Please contact the Informed Delivery Help Desk at USPSInformedDeliveryCampaigns@usps.gov.	USPS-SUBMITTER-CRID must be enrolled in the WT2API service and the WT2RMINCAMPAIGN service-function.
105	WT	Response timed out. Did not receive a response within the allotted time.	Try resubmitting later. **Note:** This is a WebTools produced time out. Informed Delivery may have completed the processing of the request, but WebTools did not receive the response back in time and times it out.

3.15.2 Server-Side Informed Delivery API Errors and Warnings

Below are the current server-side errors and warnings, including business rule validations performed by the ID application.

Table 11 – Server-Side Informed Delivery API Errors and Warnings

MSG-TYPE – F = FATAL; E = ERROR; I = INFO/SUCCESS/OTHER; W = WARNING
MSG-LOCATION – C = CLIENT; S = SERVER – Not shown here – will always be "S"
MSG-ACTION – used to provide information on how to correct the error. Not shown here as it is only implemented on two errors for the QueryCampaign Request.

Package Campaigns only = ✷
Mail Campaigns only = ◆

MSG-CODE	MSG-FIELD	API	MSG-TYPE	MSG-DESCRIPTION	MSG-RELEASE-ID-API-VERSION-ADD-UPDATE
Barcode.Duplicate	BARCODE		E	Barcode appears more than once in the request.	1.0
Barcode.InCampaign ◆	BARCODE	Mail Only	E	Barcode is already associated with this campaign.	1.0
Barcode.InOtherCampaign ◆	BARCODE	Mail Only	E	Barcode is already associated with another Active or Submitted campaign.	1.0
Barcode.InvalidFieldLength ◆	BARCODE	Mail Only	E	Barcode must be 31 digits for an Informed Delivery campaign.	1.0
Barcode.InvalidLength ✷	BARCODE	Package Only	E	IMpb must have 22, 26, 30 or 34 alphanumeric characters.	1.0
Barcode.InvalidNumber ◆	BARCODE	Mail Only	E	Characters are not allowed in the Barcode.	1.0
Barcode.MoreThan25 ◆	BARCODE	Mail Only	E	Request exceeds the 25 barcode maximum.	1.0
Barcode.Required ◆	BARCODE	Mail Only	E	Barcode is required for each Barcode block included in request.	1.0
BarcodeMID.InvalidFieldLength ◆	BARCODE-MID	Mail Only	E	Barcode MID must be either 6 or 9 digits in length.	1.0
BarcodeMID.InvalidLength ✷	BARCODE-MID	Package Only	E	Barcode MID on Piece must be either 6 or 9 digits.	1.0
BarcodeMID.InvalidNumber	BARCODE-MID		E	Characters are not allowed for Barcode MID	1.0
BarcodeMID.Mismatch	BARCODE-MID		E	Barcode MID in request does not match associated campaign's MID on Piece.	1.0
BarcodeMID.Required	BARCODE-MID		E	Barcode MID is required.	1.0
BarcodeSerialNumber.InvalidFieldLength ◆	BARCODE-SERIAL-NO	Mail Only	E	Barcode Serial Number must be either 6 or 9 digits in length.	1.0
BarcodeSerialNumber.InvalidLength ✷	BARCODE-SERIAL-NO	Package Only	E	Barcode Serial Number exceeds 14 digits.	1.0

MSG-CODE	MSG-FIELD	API	MSG-TYPE	MSG-DESCRIPTION	MSG-RELEASE-ID-API-VERSION-ADD-UPDATE
BarcodeSerialNumber.InvalidNumber ◆	BARCODE-SERIAL-NO	Mail Only	E	Characters are not allowed for the Barcode Serial Number	1.0
BrandDisplayName.InvalidLength	BRAND-DISPLAY-NAME		E	Brand Display Name exceeds 40 characters.	1.0
BrandDisplayName.Required	BRAND-DISPLAY-NAME		E	Brand Display Name is required.	1.0
Campaign.NotEditable	USPS-CAMPAIGN-ID		E	Campaigns with associated barcodes cannot be edited on or past the Start Date.	1.0
Campaign.CancelInvalid ◆	USPS-CAMPAIGN-ID	Mail Only	E	Campaigns in Cancelled, Deleted, Active, or Complete status cannot be deleted.	1.0
Campaign.Uneditable	USPS-CAMPAIGN-ID		E	Active, Complete or Cancelled campaigns cannnot be edited.	1.0
CampaignCode.AlreadyExist ✶	CAMPAIGN-CODE	Package Only	E	Campaign Code with the same Grouping Code and MID has been used previously.	1.0
CampaignCode.DoesNotMatchCampaignID	CAMPAIGN-CODE		E	Campaign ID and Campaign Code do not match.	1.0
CampaignCode.InvalidLength	CAMPAIGN-CODE		E	Campaign Code exceeds 40 characters.	1.0
CampaignCode.NotUnique ✶	CAMPAIGN-CODE	Package Only	E	Campaign Code must be unique to the Campaign Grouping Code and can only be used once by a given MID on Piece.	1.0
CampaignCode.NotUniquetoMID ◆	CAMPAIGN-CODE	Mail Only	E	Campaign Code not unique for Campaign MID. Use a unique Campaign Code.	1.0
CampaignCode.Required	CAMPAIGN-CODE		E	Campaign Code is required.	1.0
CampaignGroupingCode.InvalidLength ✶	CAMPAIGN-GROUPING-CODE	Package Only	E	Campaign Grouping Code exceeds 40 characters.	1.0
CampaignID.Cancelled	USPS-CAMPAIGN-ID		E	Barcodes cannot be added to a cancelled campaign.	1.0
CampaignID.CannotDelete	USPS-CAMPAIGN-ID		E	Campaigns cannot be deleted if they are in Active, Complete or Cancelled status or have reached their Start Date and have associated barcodes	1.0
CampaignID.Deleted	USPS-CAMPAIGN-ID		E	Barcodes cannot be added to campaigns in Deleted status.	1.0
CampaignID.DeleteInvalid ◆	USPS-CAMPAIGN-ID	Mail Only	E	Campaigns in Cancelled, Deleted, Submitted, Draft, Inactive, or Complete status cannot be cancelled.	1.0
CampaignID.DoesNotExist ✶	USPS-CAMPAIGN-ID	Package Only	E	Campaign ID does not exist.	1.0
CampaignID.EndDateTodayorPast	USPS-CAMPAIGN-ID		E	Barcodes cannot be added to a campaign with an end date of today or in the past.	1.0
CampaignID.Invalid ◆	USPS-CAMPAIGN-ID	Mail Only	E	Campaign ID not valid for Submitter CRID.	1.0

MSG-CODE	MSG-FIELD	API	MSG-TYPE	MSG-DESCRIPTION	MSG-RELEASE-ID-API-VERSION-ADD-UPDATE
CampaignID.InvalidFieldLength ◆	USPS-CAMPAIGN-ID	Mail Only	E	Campaign ID exceeds 12 digits.	1.0
CampaignID.InvalidLength ✱	USPS-CAMPAIGN-ID	Package Only	E	Campaign ID exceeds 12 characters.	1.0
CampaignID.InvalidNumber	USPS-CAMPAIGN-ID		E	Characters are not allowed for Campaign ID.	1.0
CampaignID.Required	USPS-CAMPAIGN-ID		E	Campaign ID is required.	1.0
CampaignMID.NotEditable	CAMPAIGN-MID		E	The Campaign MID cannot be edited on campaigns with associated barcodes.	1.0
CampaignMID.Overlap ◆	CAMPAIGN-MID	Mail Only	E	Campaign overlaps with another campaign for this MID and date range.	1.0
CampaignMID.SerialOverlap ◆	CAMPAIGN-MID	Mail Only	E	Campaign serials overlap with another campaign for this MID and date range.	1.0
CampaignShapeType.InvalidLength	CAMPAIGN-SHAPE-TYPE		E	Campaign Shape Type exceeds 2 characters.	1.0
CampaignShapeType.InvalidValue ◆	CAMPAIGN-SHAPE-TYPE	Mail Only	E	Campaign Shape Type must be a valid value - LT, CD, or FL.	1.0
CampaignShapeType.NotEditable ✱	CAMPAIGN-SHAPE-TYPE	Package Only	E	The Campaign Shape Type must be PK for package campaigns.	1.0
CampaignShapeType.Required	CAMPAIGN-SHAPE-TYPE		E	Campaign Shape Type is required.	1.0
CampaignTitle.InvalidLength	CAMPAIGN-TITLE		E	Campaign Title exceeds 40 characters.	1.0
CampaignTitle.Required	CAMPAIGN-TITLE		E	Campaign Title is required.	1.0
CampaignType.Invalid ◆	CAMPAIGN-TYPE	Mail Only	E	Barcodes cannot be added to the campaign because the Campaign Type is not a valid type for barcodes.	1.0
CampaignType.InvalidLength	CAMPAIGN-TYPE		E	Campaign Type exceeds 3 characters.	1.0
CampaignType.InvalidValue ◆	CAMPAIGN-TYPE	Mail Only	E	Campaign Type must be a valid value - alphanumeric 3-digit code. See Mail API Guide for details.	1.0
CampaignType.Required	CAMPAIGN-TYPE		E	Campaign Type is required.	1.0
Cancel.Ineligible	USPS-CAMPAIGN-ID		E	Campaigns may only be cancelled when they have associated barcodes and are within the campaign start and end date range.	1.0
Cancel.Invaild	USPS-CAMPAIGN-ID		E	Completed or Cancelled campaigns cannot be cancelled	1.0
EndDate.BeforeStartDate	END-DATE		E	End Date must be after the Start Date.	1.0
EndDate.Exceeds45days	END-DATE		E	Campaign duration exceeds 45 days.	1.0
EndDate.InPast	END-DATE		E	End Date cannot be in the past.	1.0

MSG-CODE	MSG-FIELD	API	MSG-TYPE	MSG-DESCRIPTION	MSG-RELEASE-ID-API-VERSION-ADD-UPDATE
EndDate.InvalidDateFormat	END-DATE		E	End Date should be a valid date in YYYY-MM-DD format.	1.0
EndDate.InvalidLength	END-DATE		E	End Date exceeds 10 characters.	1.0
EndDate.Required	END-DATE		E	Campaign End Date is required.	1.0
EndDate.SameasStartDate ◆	END-DATE	Mail Only	E	End Date must be after the Start Date.	1.0
EndDate.Today	END-DATE		E	End Date cannot be today.	1.0
EndSerial.InvalidLength ◆	END-SERIAL	Mail Only	E	End Serial must be a 9-digit number if Campaign MID is 6 digits or a 6-digit number if Campaign MID is 9 digits.	1.0
EndSerial.LessThanStartSerial ◆	END-SERIAL	Mail Only	E	End Serial must be greater than or equal to Start Serial.	1.0
EndSerial.Required ◆	END-SERIAL	Mail Only	E	End Serial is required for requests with a Campaign Type of 'A03'.	1.0
GroupingCode.Required	CAMPAIGN-GROUPING-CODE		E	Campaign Grouping Code is required.	1.0
IMpb.InCampaign ✱	BARCODE	Package Only	E	IMpb has previously been added to the campaign.	1.0
IMpb.InOtherCampaign ✱	BARCODE	Package Only	E	IMpb is associated to another active or submitted campaign.	1.0
IMpB.InvalidLength ✱	BARCODE	Package Only	E	IMpb must have 22, 26, 30 or 34 alphanumeric characters.	1.0
Impb.Morethan25 ✱	BARCODE	Package Only	E	Submission exceeds 25 Impbs (Package Campaigns)	1.0
Impb.Required ✱	BARCODE	Package Only	E	IMpb is required.	1.0
MailOwnerCRID.InvalidLength	MAIL-OWNER-CRID		E	Mail Owner CRID exceeds 18 characters.	1.0
MailOwnerCRID.InvalidNumber	MAIL-OWNER-CRID		E	Characters are not allowed for Mail Owner CRID.	1.0
MailOwnerCRID.Required	MAIL-OWNER-CRID		E	Mail Owner CRID is required.	1.0
MailOwnerName.InvalidLength	MAIL-OWNER-NAME		E	Mail Owner Name exceeds 50 characters.	1.0
MailOwnerName.Required	MAIL-OWNER-NAME		E	Mail Owner Name is required.	1.0
MailSubmitterCRID.InvalidNumber	USPS-SUBMITTER-CRID		E	Characters are not allowed for Submitter CRID.	1.0
MailSubmitterCRID.Required	USPS-SUBMITTER-CRID		E	Submitter CRID is required.	1.0
MIDOnPiece.Blocklisted	CAMPAIGN-MID		E	MID on Piece is no longer valid.	1.0
MIDOnPiece.InvalidLength	CAMPAIGN-MID		E	MID on Piece must be either 6 or 9 digits.	1.0
MIDOnPiece.InvalidNumber	CAMPAIGN-MID		E	Characters are not allowed for MID on Piece.	1.0
MIDOnPiece.Required	CAMPAIGN-MID		E	MID on Piece field is required.	1.0

MSG-CODE	MSG-FIELD	API	MSG-TYPE	MSG-DESCRIPTION	MSG-RELEASE-ID-API-VERSION-ADD-UPDATE
NoErrorInManifest	n/a		E	There is no error in the manifest that corresponds. Please contact the Informed Delivery Help Desk.	1.0
PathVariableCallbackKey.Invalid ◆	CALLBACK-KEY	Mail Only	E	Callback Key not valid for Submitter CRID.	1.0
PathVariableCallbackKey.InvalidLength ◆	CALLBACK-KEY	Mail Only	E	Callback Key path variable must be 36 characters	1.0
PathVariableCallbackKey.NotProcessed ◆	CALLBACK-KEY	Mail Only	E	Your request has been received and is still processing. Try again later.	1.0
PathVariableCallbackKey.Expired ◆	CALLBACK-KEY	Mail Only	E	Callback Keys are only valid for 60 days past the barcode request submission date.	1.0
PathVariableSubmitterCRID.InvalidLength	USPS-SUBMITTER-CRID		E	Submitter CRID path variable exceeds 18 characters.	1.0
PathVariableSubmitterCRID.InvalidNumber	USPS-SUBMITTER-CRID		E	Characters are not allowed for the Submitter CRID path variable.	1.0
PathVariableSubmitterCRID.Mismatch	USPS-SUBMITTER-CRID		E	Submitter CRID path variable and Submitter CRID in request do not match.	1.0
QueryString.InvalidDateFormat	n/a		E	Invalid date format for one or more date parameters. Dates must be formatted as MM/DD/YYYY and operators must be formatted correctly. See the API Technical Specifications Guide for allowable date operators and how to format them.	1.0
QueryString.InvalidNumberFormat	n/a		E	Invalid format for one or more number parameters. Number parameters and operators must be formatted correctly. See the API Technical Specifications Guide for allowable number parameters and operators and how to format them.	1.0
QueryString.InvalidPageValue	n/a		E	Invalid value provided for the page parameter in the query string.	1.0
QueryString.InvalidParameter	n/a		E	<invalidparametername> is an invalid parameter name.	1.0
QueryString.InvalidParameters	n/a		E	<invalidparametername> are invalid parameter names.	1.0
QueryString.InvalidSizeValue	n/a		E	Invalid value provided for the size parameter in the query string.	1.0
QueryString.InvalidSortValue	n/a		E	Invalid value provided for the sort parameter(s) in the query string.	1.0
QueryString.InvalidStatusValue	n/a		E	Invalid value provided for the status parameter in the query string.	1.0

MSG-CODE	MSG-FIELD	API	MSG-TYPE	MSG-DESCRIPTION	MSG-RELEASE-ID-API-VERSION-ADD-UPDATE
RepresentativeImage.FileTooLarge ◆	REPRESENTATIVE-IMAGE	Mail Only	E	Representative Image file size must not exceed 204,800 bytes.	1.0
RepresentativeImage.InvalidFormat ◆	REPRESENTATIVE-IMAGE	Mail Only	E	Representative Image must be formatted as BASE64 and must be an image in RGB and JPG format.	1.0
RepresentativeImage.InvalidSize ◆	REPRESENTATIVE-IMAGE	Mail Only	E	Maximum size for the Representative Image is 780px wide x 500px high.	1.0
RepresentativeImage.Required ◆	REPRESENTATIVE-IMAGE	Mail Only	E	Representative Image is required for requests with a Campaign Shape Type of 'FL'.	1.0
RideAlong.InvalidFormat ∗	RIDEALONG-IMAGE	Package Only	E	Ride-Along Image must be an RGB JPEG.	1.0
RideAlong.InvalidSize ∗	RIDEALONG-IMAGE	Package Only	E	Maximum size for the Ride-along Image is 210px wide x 140px high.	1.0
RideAlong.Required	RIDEALONG-IMAGE		E	Ride-along Image file is required.	1.0
RideAlong.TooLarge	RIDEALONG-IMAGE		E	Ride-along image must not exceed 204,800 bytes.	1.0
RideAlongImage.InvalidImageFormat ◆	RIDEALONG-IMAGE	Mail Only	E	Ride-Along Image must be formatted as BASE64 and must be an image in RGB and JPG format.	1.0
RideAlongImage.InvalidSize ◆	RIDEALONG-IMAGE	Mail Only	E	Maximum size for the Ride-Along Image is 300px wide x 200px high.	1.0
StartDate.Exceeds59Days	START-DATE		E	Campaign Start Date cannot be more than 59 days in the future.	1.0
StartDate.InPast	START-DATE		E	Start Date cannot be in the past.	1.0
StartDate.InvalidDateFormat	START-DATE		E	Start Date should be a valid date in YYYY-MM-DD format.	1.0
StartDate.InvalidLength	START-DATE		E	Start Date exceeds 10 characters.	1.0
StartDate.Required	START-DATE		E	Campaign Start Date is required.	1.0
StartDate.Today	START-DATE		E	Start Date cannot be today. Campaigns must be submitted prior to 12AM CST the day before the campaign is scheduled to begin.	1.0
StartSerial.InvalidLength ◆	START-SERIAL	Mail Only	E	Start Serial must be a 9-digit number if Campaign MID is 6 digits or a 6-digit number if Campaign MID is 9 digits.	1.0
StartSerial.Required ◆	START-SERIAL	Mail Only	E	Start Serial is required for requests with a Campaign Type of 'A03'.	1.0
SubmitterCRID.InvalidLength	USPS-SUBMITTER-CRID		E	The Submitter CRID exceeds 18 characters.	1.0
SubmitterCRID.Mismatch ∗	USPS-SUBMITTER-CRID	Package Only	E	Submitter CRID does not match campaigns.	1.0

MSG-CODE	MSG-FIELD	API	MSG-TYPE	MSG-DESCRIPTION	MSG-RELEASE-ID-API-VERSION-ADD-UPDATE
MailSubmitterName.InvalidLength	CRID-COMPANY-NAME		E	Submitter Name exceeds 50 characters.	1.0
SubmitterName.Required	CRID-COMPANY-NAME		E	Submitter Name is required.	1.0
SubmitterTransactionID.InvalidLength	SUBMITTER-TRANSACTION-ID		E	Submitter Transaction ID exceeds 30 characters.	1.0
SubmitterTransactionID.Required	SUBMITTER-TRANSACTION-ID		E	Submitter Transaction ID is required	1.0
TargetURL.InvalidLength	TARGET-URL		E	Target URL exceeds 255 characters.	1.0
TargetURL.MustBeHTTPS	TARGET-URL		E	Target URL must begin with https://.	1.0
TargetUrl.Required	TARGET-URL		E	A Target URL is required.	1.0

4 Troubleshooting

4.1 XML Schema Definitions

It is recommended that the ID API XML Schema Definitions (XSDs) are used to validate all XML messages prior to submission to the WebTools API.

The schemas samples shown in this documented are provided as samples only. When creating an XML Message Request, it is important that the tags appear in the correct order.

Refer to the schemas files provided for the correct order of XML tags.

4.2 No Response Received

If you encounter a timeout error from WebTools, there is a possibility that the ID API did, in fact, receive the request and was processed. However, it may have timed out on the WebTools side because the response time exceeded the 25 seconds window in which WebTools requires a response to be received back by.

Before resubmitting the request, it would be best to confirm by querying the campaign with the ID Query Campaign API to verify that the campaign was added, updated, cancelled or deleted.

If a timeout happens with an asynchronous Add Barcode request, you can use the Query Callback Key Lookup API to find your most recent Callback Key so you can send a Query Callback Key Request to find out the summary information – how many barcodes were received, passed and failed.

If it was a synchronous Add Barcode Request, you may need to contact USPSInformedDeliveryAPI@usps.gov for assistance if you do not have the ability to view the barcodes associated to a campaign in the Portal.

5   Informed Delivery Legal Terms and Conditions

INFORMED DELIVERY® INTERACTIVE CAMPAIGNS:

MAILER/SUBMITTER TERMS AND CONDITIONS OF USE AGREEMENT

This Terms of Use Agreement (this "Agreement") is a legal agreement between You and the United States Postal Service, an Independent Establishment of the Executive Branch of the United States Government ("USPS" or "Postal Service"). Informed Delivery interactive campaigns (used herein as "Campaigns") are at this time a free enhancement available to Mailers to the Informed Delivery notifications USPS provides to participating consumers for no additional postage fees. "Mailer(s)," "You" and "Your", as used herein, include the Mail Owner/Brand, and any Mail Service Provider and any Advertising Agency acting on behalf of a Mail Owner/Brand in connection with the creation and submission of Content for an Informed Delivery Campaign.

Mailers agreeing to these Terms and Conditions, and complying with other requirements and specifications as may be published by USPS in PostalOne!, the Mailer Campaign Portal, the Shipper Campaign Portal or in the Informed Delivery Interactive Campaign Guide available at https://www.usps.com/business/informed-delivery.htm, or elsewhere on that site, may submit supplemental content ("Content") to accompany or in some cases replace the grayscale scanned image that would otherwise be generated by USPS mail imaging processes (or, in the case of flats, replace the "image not available" notification) and provided to participating consumers as Informed Delivery notifications. Content also may be submitted for display as a Campaign for packages being sent and tracked within the Informed Delivery interface. In addition, some end users of Informed Delivery may set reminders to review Your Campaign up to ten days following the first opportunity to view Your Content.

"Content" as used herein includes Ride-along Images, Representative Images, interactive links (URLs), and a Brand Display Name as text, or any other content that you provide to USPS by any means whatsoever (including but not limited to email, upload through PostalOne!, the Mailer Campaign Portal, the Shipper Campaign Portal through an API or otherwise).

By submitting Content to USPS in connection with any Informed Delivery Campaign, You agree to the terms and conditions specified below and to faithfully comply with all other rules, regulations, technical specifications and requirements for Informed Delivery Campaigns. The Postal Service reserves the right at any time to change or amend the Agreement, i.e., these terms, conditions, and notices under which this feature is offered. You may review the most current terms and conditions of use at https://www.usps.com/business/informed-delivery.htm. If You do not agree to, or cannot comply with, the Agreement as amended, you must stop using the feature. You will be deemed to have accepted the Agreement as amended if You continue to use the feature for Campaigns. You acknowledge and agree that Your use of the feature, in each instance, is subject to any such changes and that Your use of the feature constitutes acceptance of such changed terms. You agree to review this Agreement from time to time to ensure compliance with these terms and conditions.

In addition, USPS is beta testing a new Informed Delivery feature in select markets that allows Mailers to provide digital offers and/or anonymized mail to customers You have not mailed to directly. For eligibility and requirements, see the Beta Test for USPS Informed Offers Powered by Informed Address below.

Eligibility

Informed Delivery Campaigns must be submitted to accompany a letter-size mailpiece, flat-size mailpiece, or package that meets all mailability requirements of the Domestic Mail Manual. USPS reserves the right to refuse an Informed Delivery Campaign from a Mailer competing with a Postal Service product, service, or feature, although grayscale images of such mailpieces will be provided to consumers as part of the ordinary Informed Delivery notifications.

Representative Images

Representative Images are full color images submitted by the Mailer that can be displayed in lieu of the grayscale scanned image of a letter-sized mailpiece or in lieu of the "image not available" notification that would accompany a flat-size mailpiece (e.g., catalogs, magazines) in the USPS Informed Delivery daily digest email notifications, dashboard, or app. Representative Images must comply with the following requirements: (1) the Representative Image must be: (a) a reproduction of the address side of the mailpiece without an address showing, or (b) the nonaddress (obverse) side of the mailpiece; and (2) for flat-sized mailpieces required to be or that are mailed under covers or wrappers, the Representative Image must be an image of the Mailer's corporate logo. Representative Images must also comply with all technical requirements (e.g., format, file size, pixel width and height, etc.) and other specifications as disseminated by USPS.

Ride-along Images and Interactive Links

Ride-along Images are required for all Informed Delivery Campaigns. Ride-along Images are full color images that accompany either the Representative Image selected by the Mailer in accordance with the requirements above, or the grayscale image of the scanned mailpiece (or in the case of a package, the notification that the package will be arriving soon) in the USPS Informed Delivery email notifications or dashboard. Ride-along images must comply with the following requirements: (1) the Ride-along Image must directly relate to the promotion or offer contained in the mailpiece or what was shipped in the case of a package; (2) the Ride-along Image must be sized to the full space allowed or be reduced in size based on the ratio compared to the Representative Image; and (3) regardless of Mailer identity, the Ride-along Image language may not facilitate diversion from Postal Service products, services, or features (including "pay online" and similar CTAs). URLs and interactive links submitted as part of the Content with Ride-along Images must comply with the following requirements: (1) all URLs and links submitted as Content for an Informed Delivery Campaign must be submitted as HTTPS; (2) all URLs and links submitted as part of an Informed Delivery Campaign must lead directly to a landing page directly associated with the physical mailpiece or package utilized in the Campaign, or Your website's homepage; (3) all URLs and links must be free of any malware, viruses, errors, or other aspects that could negatively impact the Informed Delivery feature and/or consumer experience with the feature; (4) You must monitor the Campaign and any threats, vulnerabilities, malware and malformed links must be addressed and reported to USPS within twenty-four (24) hours of discovery; and (5) any web site being linked to from an Informed Delivery campaign and/or USPS.com shall be branded in a manner or have a look and feel ("trade dress") that will not emulate USPS.com or create a likelihood of confusion with USPS trade dress or otherwise lead consumers to believe or confuse consumers that they are on a USPS site. To comport with USPS policies related to exit pages, and with the goal of not having an exit page, You acknowledge, understand and agree that the standard for no exit page as set forth by Postal Service Management is that the site being linked to needs to be substantially different from USPS sites (i.e., the site's appearance must be one that a person is unlikely to confuse with USPS sites or properties, or to think is a part of the USPS websites or properties, and possesses a distinct look and feel from those of USPS sites or properties, and the site must have a distinct URL separate and apart from the URLs of USPS.com and not use any USPS marks).

Your Representations and Warranties

You represent and warrant that You have all necessary rights, including third party rights, and hereby grant to USPS such rights to use, display, publish, transmit, distribute, and make copies of the Content, and otherwise use it in Your Informed Delivery campaign, without infringing any rights of any third party or violating any applicable laws, rules, or regulations. The rights referred to in the foregoing include, without limitation, copyrights, trademark rights, rights of publicity (name and likeness rights) and any other rights necessary to use the Content. You further represent and warrant that the nature, appearance, and display of the Content is consistent with the mailability requirements of the Domestic Mail Manual.

You acknowledge and agree that USPS will not be involved in any way with the design of the Content, and represent and warrant that the Content as submitted to USPS or uploaded through USPS portals or through an API complies with these Terms and Conditions and any requirements published by USPS on PostalOne!, the Mailer Campaign Portal, the Shipper Campaign Portal or the Interactive Campaign Guide (available at https://www.usps.com/business/informed-delivery.htm), or elsewhere on that site. You agree to evaluate and bear all risks associated with the use of any Content and agree that You are solely responsible for and assume all liability arising from use of the Content in or through or otherwise as a result

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You acknowledge and agree that any Content submitted may be shared by end-users of Informed Delivery through social media sites. Accordingly, You acknowledge, agree, represent and warrant that any Content submitted shall not be in contravention of the policies of the various social media sites' policies or terms of use.

Indemnity

You agree to indemnify and hold the Postal Service and its Governors, officers, employees, agents, printers, contractors, vendors, and suppliers harmless against any and all expenses and losses of any kind (including attorneys' fees and costs) incurred in connection with any claims of any kind arising out of breach of any of the above representations and warranties, and publication, transmission, display or distribution of the Content (including, without limitation, any claim of patent, trademark, or copyright infringement, libel, defamation, breach of confidentiality, misappropriation of trade secret, invasion of the rights of privacy or publicity (including the right to control use of one's name and likeness), or false or deceptive advertising or sales practices) or any material or products of Yours to which third parties can link through the Content.

Rejection/Cancellation of Campaigns

USPS reserves the right to reject or cancel any Informed Delivery Campaign at any time for any reason satisfactory to USPS in its sole and non-reviewable discretion, including but not limited to the following: (1) violations of or noncompliance with any of these Terms and Conditions, or requirements published via PostalOne!, the Mailer Campaign Portal, the Shipper Campaign Portal or in the Interactive Campaign Guide, or on https://www.usps.com/business/informed-delivery.htm; (2) detection of potential threats, vulnerabilities, malware or malformed links, security or privacy concerns, or potential degradation of USPS or consumer systems or equipment; (3) Campaign interactive links that are broken or that resolve to pages that negatively impact the Informed Delivery user experience; or (4) potentially subject USPS to liability or risk damage to the Informed Delivery feature and goodwill associated therewith.

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Governing Law

Any and all disputes involving these Terms and Conditions or arising from the submission, rejection or cancellation of an Informed Delivery Campaign shall be governed by federal law, with jurisdiction and venue exclusively in the United States District Court for the District of Columbia or the United States Court of Federal Claims, as appropriate.

Updated: 04/23/2021

For the most up-to-date version of the Informed Delivery Terms and Conditions, go to the link below:
https://www.usps.com/business/informed-delivery.htm.