

**Product Tracking System**  
**PTS II**  
**Release Notes**  
**Release 1.5**  
**External Use**

**UNITED STATES POSTAL SERVICE DOCUMENT**  
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## Product Tracking System

### Release 1.5 Version 2 External Release Notes - Preview

The United States Postal Service (USPS) Product Tracking System (PTS) Release 1.5 will occur on September 15, 2013. These External Release Notes are prepared to notify you of the changes that were implemented and how they affected the following areas.

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## Revision History

Name	Date	Reason For Changes	Version
Nicole Wilson	7/25/2013	Initial Draft – Release 1.5 also reference as Release 13.12.1	1.0
Nicole Wilson	9/13/2013	Modify to include Address Validation	2.0

## 1.0 Mailers and Shippers

The primary focus of PTS Release 1.5 is to implement supporting changes for Shipping Partner and Address Validation system enhancements. The software will be released on Saturday, September 14, 2013, beginning at 11 pm ET and ending Sunday, September 15, 2013 at 2 am ET.

The following items will be included in Release 1.5 and are of interest to external users who communicate electronically with USPS by sending electronic files containing package information.

### 1.1 Shipping Partner Event File Version 3.0

As a result of an industry work group to meet requirements for the Intelligent Mail Package Barcode (IMpb), a solution was developed that allows customers to meet electronic address information early in the supply chain. This solution is called Shipping Partner Event File Version 3.0. Customer must be certified for shipping partners files. An advantage to this option is that it allows customers to track packages while still being handled by the logistics partner.

The Shipping Partner Event File Version 3 provides our consolidators with another solution to provide the USPS the Destination ZIP + 4 Code or destination delivery address and our returns provider to provide visibility to the package once the agent picks up the mail piece from USPS through final disposition. Along with the Shipping Partner Event File Version 3.0, a new file layout will be required for the Shipping Partner program which is displayed below (Tables 1 and 2).

All customers will be required to use the Intelligent Mailer package barcode (IMpb), a corresponding Shipping Services File (Version 1.6, Version 1.7 or Version 2.0), and to include the Destination ZIP + 4 Code or destination delivery address in a file for all tracking and extra services barcodes to qualify for presort and destination entry pricing.

USPS will continue to support version 1.0 and version 2.0 of the Shipping Partner Event File and version 1.0 and version 2.0 of the Shipping Partner Confirmation/Error/Warning “data” and “report” formats.

Table 1 Shipping Partner Event Version 3.0 Header Record (Fixed Length)

Format (Size): A = ASCII text (alpha-numeric); N = Numeric; Number in parenthesis = field size					
Record Position	Field Name	Format (Size)	Description	Example	Content Rules and Limitations
001–002	Shipping Partner Event File Header Record ID	A(2)	A two-character system constant, which identifies a Shipping Partner Event File Header Record.	EH	▪ 'EH' is required.

Table 1 Shipping Partner Event Version 3.0 Header Record (Fixed Length)

Format (Size): A = ASCII text (alpha-numeric); N = Numeric; Number in parenthesis = field size					
Record Position	Field Name	Format (Size)	Description	Example	Content Rules and Limitations
003-011	Shipping Partner's Mailer ID	A(9)	See Appendix B-1 – Header Record – Shipping Partner's Mailer ID Field for Definition and Field Positions	912345678  or  212345	<ul style="list-style-type: none"> <li>Must be the Mailer ID of the consolidator.</li> <li>Can be a six or nine digit MID.</li> <li>If a six digit MID, left justified, trailing spaces.</li> <li>Must be a Valid Mailer ID.</li> </ul>
012-026	Shipping Partner Event File Number	A(15)	See Appendix C – Event File Number Chart for legacy and IMPB Event File Number Definition and Field Positions.		<ul style="list-style-type: none"> <li>Left justified with trailing spaces if applicable.</li> </ul>
027-035	File Record Count	N(9)	Total number of all records in this file. Count to include Header Record and all Detail Records.	000001517	<ul style="list-style-type: none"> <li>Leading zeros required.</li> </ul>
036-038	Extract Version Number	N(3)	File Version Number	030  Defined as 99.9	030  Entered as: 030
039-039	Direction Indicator	A(2)	Valid Values:  1 = Inbound  2 – Outbound	1	<ul style="list-style-type: none"> <li>Required</li> </ul>
040-080	Filler	A(31)	Filler for future use.		<ul style="list-style-type: none"> <li>Must be spaces.</li> </ul>

Table 2 Shipping Partner Event Version 3.0 Detail Record (Fixed Length)

Format (Size): A = ASCII text (alpha-numeric); N = Numeric; Number in parenthesis = field size					
Record Position	Field Name	Format (Size)	Description	Example	Content Rules and Limitations
001-002	Shipping Partner Event File Detail Record ID	A(2)	Shipping Partner Event Detail Record ID.	ED	<ul style="list-style-type: none"> <li>'ED' is required.</li> </ul>

Table 2 Shipping Partner Event Version 3.0 Detail Record (Fixed Length)

Format (Size): A = ASCII text (alpha-numeric); N = Numeric; Number in parenthesis = field size					
Record Position	Field Name	Format (Size)	Description	Example	Content Rules and Limitations
003–036	Package Identification Code (PIC) <Legacy and IMPB>	A(34)	Tracking number used on package. May include routing information and Package Identification Code (PIC).  <b>Legacy Barcode</b>  2 digits - Application Identifier  2 digits - Service Type Code  9 digits - Mailer ID  8 digits - Fixed-length sequence number  1 digit - MOD 10 check digit  <b>Intelligent Mail Package Barcode</b>  3 digits - '420'  5 digits - Routing ZIP Code  4 digits - Routing +4  2 digits - AI (92 or 93)  3 digits - Service Type Code  6 or 9 digits - Mailer ID (MID)  If six-digit MID, 10- or 14-digit serial #;  If nine-digit MID, 7- or 11-digit serial #  1 digit - check digit	910194123331 2000012345  or  927501234567 89123456780  Or  937501234561 2345671905	<ul style="list-style-type: none"> <li>▪ The PIC must remain unique for 180 days from date of first use.</li> <li>▪ Left justified with trailing spaces if applicable.</li> </ul>
037–038	Event Code	N(2)	Event Code.	81	<ul style="list-style-type: none"> <li>▪ Numeric only (0-9).</li> <li>▪ Valid values for inbound are '80', '81', and '82' and '83'</li> <li>▪ Valid values for outbound are '84', '85', '86', and '87' – Mailer ID must be a Certified PRS customer.</li> </ul>
039–043	Event ZIP Code	N(5)	5-digit ZIP Code of event location.	22201	

Table 2 Shipping Partner Event Version 3.0 Detail Record (Fixed Length)

<b>Format (Size):</b> A = ASCII text (alpha-numeric); N = Numeric; <b>Number in parenthesis</b> = field size					
<b>Record Position</b>	<b>Field Name</b>	<b>Format (Size)</b>	<b>Description</b>	<b>Example</b>	<b>Content Rules and Limitations</b>
044–047	Event ZIP + 4	<b>N(4)</b>	ZIP + 4 add on of domestic ZIP Code.	<b>2804</b>	<ul style="list-style-type: none"> <li>Default is spaces, if not available.</li> </ul>
048–055	Event Date	<b>A(8)</b>	Date associated with movement of shipments by shipping partner.	<b>20030127</b>	<ul style="list-style-type: none"> <li>Format is YYYYMMDD</li> </ul>
056–061	Event Time	<b>A(6)</b>	Time associated with movement of shipments by shipping partner.	<b>131500</b>	<ul style="list-style-type: none"> <li>Format is HHMMSS (24-hour time format.)</li> </ul>
062-070	Client Mailer ID	<b>A(9)</b>	See Appendix B-2 – Detail Record – Client Mailer ID Field for Definition and Field Positions.	<b>912345678</b>  Or  <b>212345</b>	<ul style="list-style-type: none"> <li>For client to receive event information, must be filled with the Mailer ID of the client.</li> <li>Can be a six or nine digit MID.</li> <li>If a six digit MID, left justified, trailing spaces.</li> </ul>
071-075	Destination ZIP	<b>N(5)</b>	Destination 5-digit ZIP Code	<b>22030</b>	<ul style="list-style-type: none"> <li>Must be 5 digits.</li> <li>Numeric values (0-9)</li> </ul>
076-079	Destination ZIP + 4	<b>A(4)</b>	Destination ZIP + 4 add on of Domestic ZIP Code	<b>1234</b>	<ul style="list-style-type: none"> <li>Required, however the Destination Delivery address may be included as an alternative to providing the Destination ZIP+4 Code</li> <li>Numeric value (0-9)</li> <li>Default to spaces</li> </ul>
080-081	Destination Delivery Point	<b>N(2)</b>	Destination Delivery Point – completes the 11-digit Delivery Point ZIP Code	<b>02</b>	<ul style="list-style-type: none"> <li>Numeric values (0-9) only.</li> <li>Default zeroes if not available.</li> </ul>
082-129	Destination Delivery Address	<b>A(48)</b>	Delivery Address of the destination address.	<b>123 Main Street</b>	<ul style="list-style-type: none"> <li>Required, however the Destination ZIP+4 Code may be included as an alternative to providing Destination Delivery Address</li> <li>This field is not be used for the city or state</li> <li>Default is spaces</li> </ul>
130-157	City Name	<b>A(28)</b>	City Name of the destination address.	<b>Fairfax</b>	<ul style="list-style-type: none"> <li>Default is spaces</li> </ul>
158-159	State	<b>A(2)</b>	Two Character state code of the destination address	<b>VA</b>	<ul style="list-style-type: none"> <li>Default is spaces</li> </ul>
160-200	Filler	<b>A(41)</b>	For future use		<ul style="list-style-type: none"> <li>Spaces are required.</li> </ul>

## 1.2 Shipping Partner Event Code

The Postal Service has additional Event Codes that allow shipping partners and other mailers to provide our mutual customers with the shipment status of their packages prior to the Postal Service receiving the packages or receiving the Shipping Services file. This added visibility lends assurance that a mail piece is on its way.

Shipping partners create a file of event data captured at their facilities and transmit the file to the Postal Service. This event information is then available to our customers on the Track & Confirm Web site, through the USPS mobile application, or the Track/Confirm API.

New event codes are described in Table 3 and Table 4.

Table 3 New Shipping Partner Event Codes

Shipping Partner Event Code	Description
83	Tendered to Postal Service

Table 4 New Delivery Event Codes

Shipping Partner Delivery Event Code	Description
84	Arrived Agent Facility
85	Depart Agent Facility
86	Delivered by Agent to Merchant
87	Final Disposition by Agent

### 1.3 Address Validation

Address validation will be used to verify accuracy, as well as ensure sufficient levels of address details. The following criteria will be used for the address validation process:

- 1.3.1 Destination Street Address/City/State, 9-digit destination ZIP Code and 2-digit destination delivery point code
- 1.3.2 Destination Street Address/City/State and 9-digit destination ZIP Code
- 1.3.3 Destination Street Address/City/State and 5-digit destination ZIP Code
- 1.3.4 Label ID with 9-digit routing ZIP Code
- 1.3.5 9-digit destination ZIP Code
- 1.3.6 9-digit destination ZIP Code and 2-digit destination delivery point code

## Appendix B – Mailer ID Charts

### Appendix B-1 Header Record - Shipping Partner's Mailer ID Field

	<b>Positions</b>								
Mailer ID	003	004	005	006	007	008	009	010	011
9- Digit MID	X	X	X	X	X	X	X	X	X
6- Digit MID	X	X	X	X	X	X			

### Appendix B-2 Detail Record – Client Mailer ID Field

	<b>Positions</b>								
Mailer ID	062	063	064	065	066	067	068	069	070
9- Digit MID	X	X	X	X	X	X	X	X	X
6- Digit MID	X	X	X	X	X	X			

## Appendix C – Legacy and IMpb Event File Number Chart

### Legacy barcode – 9 Digit Event File Number

	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Serial Number (8 digit)	X	X	X	X	X	X	X	X							
MOD 10 Check Digit (1 digit)									X						
Filler (6 spaces)										X	X	X	X	X	X

### Six Digit MID – 11 Digit Event File Number

	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Serial Number (10 digit)	X	X	X	X	X	X	X	X	X	X					
MOD 10 Check Digit (1 digit)											X				
Filler (4 spaces)												X	X	X	X

### Six Digit MID – 15 Digit Event File Number

	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Serial Number (14 digit)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MOD 10 Check Digit (1 digit)															X
Filler (0 spaces)															

## Appendix C – Legacy and IMpb Event File Number Chart - Continued

### Nine Digit MID – 8 Digit Event File Number

	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Serial Number (7 digit)	X	X	X	X	X	X	X								
MOD 10 Check Digit (1 digit)								X							
Filler (7 spaces)									X	X	X	X	X	X	X

### Nine Digit MID – 12 Digit Event File Number

	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Serial Number (11 digit)	X	X	X	X	X	X	X	X	X	X	X				
MOD 10 Check Digit (1 digit)												X			
Filler (3 spaces)													X	X	X