# Full Service *PostalOne!*® Mail.dat Technical Guide

## Version FS1.0

**April 2008**

## PREFACE

This document is a comprehensive technical guide that outlines steps for exchanging electronic data with the *PostalOne!*® system using the Mail.dat® file format and supporting the Full Service mailing requirements. The intended audience is business mailers who create/use mailing data in the preparation and/or production of business mail and who also want to send that electronic mailing data to the *PostalOne!* system for the purpose of conducting business electronically in lieu of the hardcopy forms and processes that were traditionally used in business mail acceptance. Although this guide provides an overview of the *PostalOne!* system, the intended recipient of this document is the person or team that will make necessary technical infrastructure preparations/alterations and conduct testing to ensure Mail.dat electronic data is consistently and reliably sent to the *PostalOne!* system. This document only discusses this form of electronic data exchange.

This guide is organized as follows: Chapters 1 and 2 provide an overview of the *PostalOne!* program benefits, the basic requirements for participation in the program, and how to apply for participation. Chapters 3 through 4 provide detailed technical information about the *PostalOne!* application. Chapter 5 provides information on who to contact for help. Appendices A, B, C, and D contain technical information about the electronic data used by or returned by the system. Appendix E contains error messages that you may need to reference.

On behalf of the *PostalOne!* team, we would like to welcome you into the program. You will be joining many other business mailers who are successfully using the *PostalOne!* system to improve the collaboration with the U.S. Postal Service®. We welcome your feedback and look forward to working with you.

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# 1 Program Overview

The *PostalOne!*® system is an electronic suite of services being developed for business mailers by the United States Postal Service® to dramatically improve the mailing process. The system takes advantage of the advances in technology and leverages them to significantly improve and simplify the mailing experience.

One of the ways the system enables customers to electronically send detailed information is using the mailing industry's standardized Mail.dat® format. Customers using the system no longer have to complete manual postage statements because they can be automatically generated by the *PostalOne!* system. In fact, much of the acceptance and verification process has been automated, enabling a faster and more accurate method of accepting, assessing, and finalizing postage statements. The electronic documentation provided through the system means you no longer have to physically bring hardcopy presort documentation to the acceptance unit or retain it for storage.

Customers can download the estimated postage, view individual postage statements within a mailing, see a running total of postage statement activity, and view the reconciliation of the information at the end of a mailing information exchange process (mailing job). By automating and incorporating payment processing into the *PostalOne!* system, payments for mailing jobs can be electronically processed.

As an added benefit, the Transportation Management function of the *PostalOne!* system provides select users with the ability to make surface and air transportation assignments and route mail in the mailer's own plant. This capability is a great benefit to many of the larger First-Class Mail® customers because they can track mailings more accurately by knowing the detailed routing. This capability includes, but is not limited to, information found in Mail.dat files.

# 2 Applying for Participation

Applying for and obtaining access to the *PostalOne!* system is quick and easy. We have made the application process available online through our website at http://www.usps.com/postalone. On the right, near the top of the page under New Customers, click the **Learn More** button. Then click the **Apply Online** link at the bottom of the Business Customer section. There, you can complete your online application. Following completion, our Customer Care Center reviews the application to ensure that we have accurately established your account. After completing your online application, you will receive the *PostalOne!* Welcome Kit. The kit contains additional information about the many features of the *PostalOne!* system as well as the program's Data Exchange Agreement.

**NOTE**: All companies participating in the *PostalOne!* program are required to sign an agreement, which details the participant's rights and responsibilities in this electronic arena.

# 3 Sending Properly Configured Mailing Files

To successfully conduct business electronically in the *PostalOne!* system, you will send mailing files via the Internet. These mailing files must be in the mailing industry format called Mail.dat. Without this exchange of information, electronic collaboration is not possible.

Mail.dat files are processed and stored in the *PostalOne!* system. Postal Service™ personnel access these files over the Internet to conduct business. For example, Postal Service acceptance clerks use these detailed mailing data files in the mail verification and acceptance process. The *PostalOne!* system uses the mailing files to generate postage statements for customers who have presented mailings to the Postal Service.


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The figure below illustrates the relationship between the system and its users. It shows how business mailers submit mailing data to the *PostalOne!* system and how that data is retrieved by Postal Service business mail entry units.

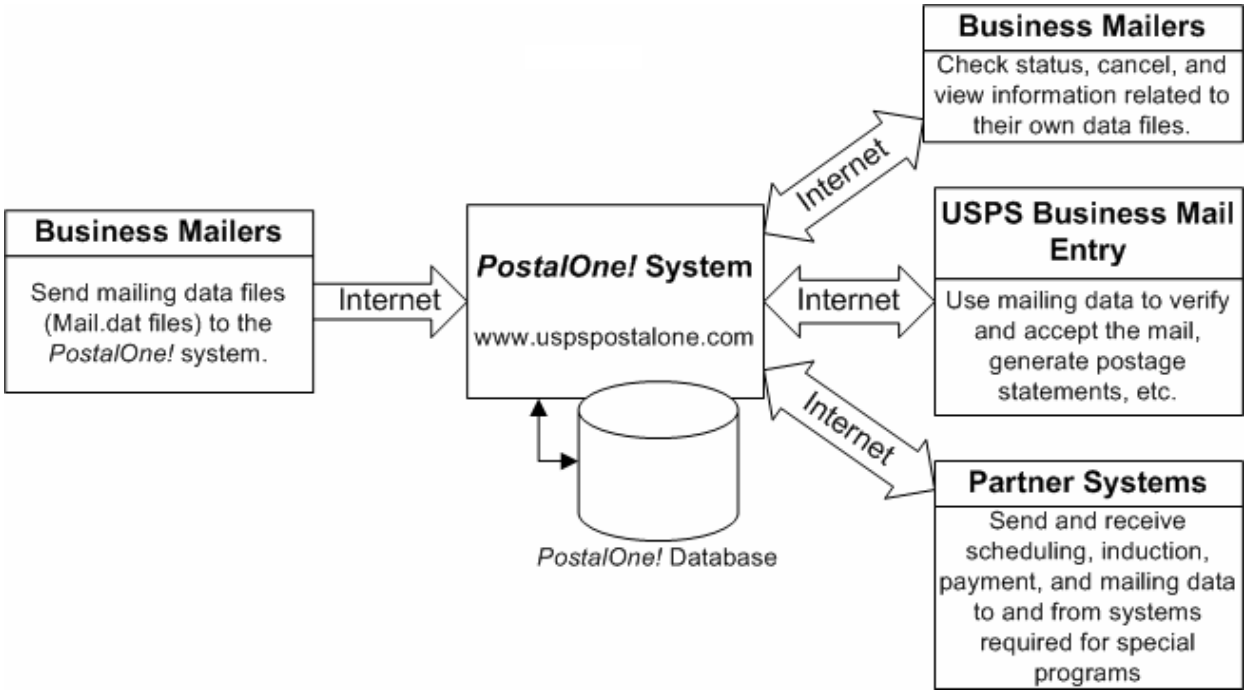


**Figure 3-1. The *PostalOne!* System–Electronic collaboration via the Internet**

**NOTE**: Mail.dat is a registered trademark of International Digital Enterprise Alliance, Inc. (IDEAlliance®) 2001-2007. IDEAlliance (http://www.idealliance.org/) is a not-for-profit membership organization, whose mission is to advance user-driven, cross-industry solutions for all publishing and content-related processes by developing standards, fostering business alliances, and identifying best practices.

## 3.1 Key Technical Requirements

### 3.1.1 Internet Connection

The minimum required speed for connectivity is 56kps. For optimal performance, we suggest that users with file sizes greater than one megabyte (MB) use some form of high-speed Internet access, such as T1 line, DSL, cable modem, etc.

### 3.1.2 Formatted Mailing Files

To participate in the *PostalOne!* program, the files and fields you send must comply with *PostalOne!* implementation of the *Mail.dat File Specification*. Additional technical details concerning Mail.dat file format and content, as used by the *PostalOne!* system, are provided in Section 3.3, Configuring Mailing Files for Processing. As a participant, you must successfully transfer Mail.dat files to the *PostalOne!* system.

### 3.1.3 Methods of Transferring Files (Manual and Batch)

The *PostalOne!* system provides you with a choice of transfer methods for your mailing data files (Mail.dat files). You can transfer mailing data files manually (Manual mode) or unattended (Batch mode).


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1. **Manual mode**. In Manual mode, customers log on, select the files they want to send, and then upload them. This mode is called Manual because a person must actively use the *PostalOne!* system and be present while the file is transferred. The information presented in this chapter assumes you will make Manual mode file transfers to the system.

2. **Batch mode**. Batch mode allows customers to schedule file transfers to take place automatically, for example at 2 a.m. Once Batch mode is set up, no one needs to be present when the file transfer takes place. This capability requires additional infrastructure and configuration work. If you plan to send files in Batch mode, see Chapter 4, Batch Processing.

When using Batch mode, the *PostalOne!* servers return file transfer status feedback to the sender's workstation automatically. The feedback information (receipt file) is written to the client's workstation in either XML or character delimited ASCII text formats. You can load the receipt files into a spreadsheet or your own database for storage and viewing. For more information on the receipt file format and its contents, see Appendix C. Status Receipt File Layout and Appendix D. Postage Statement Receipt File Layout.

## 3.2 Technical/Operational Prerequisites

As previously discussed, the system is Internet-based and the basis for conducting business electronically is the successful exchange of mailing data information between business mailers and the Postal Service. As a result, an Internet-based infrastructure must exist that is compatible with the *PostalOne!* system.

This section provides details on all of the technical and operational prerequisites necessary to successfully send mailing data files to the system. Topical areas include:

1. **Hardware prerequisites**. The base requirements for the hardware elements of the computer system that will access and send mailing data files to the *PostalOne!* system such as the recommended physical memory amounts. For more information on hardware prerequisites, see Section 3.2.1, Hardware.

2. **Software prerequisites**. The base requirements for the software elements of the computer system that will access and send mailing data files to the *PostalOne!* system, such as browser software versions. For more information on software prerequisites, see Section 3.2.2, Software.

3. **Networking prerequisites**. The base requirements for the networking elements of the computer system that will access and send mailing data files to the system, such as firewall settings. For more information on network prerequisites, see Section 3.2.3, Network.

4. **Mail.dat prerequisites**. The base requirements for the actual files sent. The *PostalOne!* system complies with the *Mail.dat File Specification*. As a result, mailing files must comply with this specification. We strongly recommend that you obtain and read the specification. For more information, see Section 3.2.5, Information/Manuals.

5. **User License Code (ULC) prerequisites**. To use Mail.dat, your company must have a ULC, also called a Provider Code. Business mailers using Mail.dat should already have a ULC; if not, they need to get one before continuing. For more information, see Section 3.2.6, User License Code.

6. **Optional digital certificate prerequisites**. To send mailing files in Batch mode, your company must obtain and install a digital security certificate. For digital certificate requirements, see Section 3.2.7, Security Certificates and Chapter 4, Batch Processing.

### 3.2.1 Hardware

The minimum workstation requirements to send data files are a PC with a Pentium IV 1 GHz processor, Microsoft® Windows® 95/98/2000/XP operating system, and 256 MB RAM. Depending on the size of the Mail.dat job, RAM requirements vary. The table below details the RAM requirements:


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**Table 3-1. RAM Requirements Based on Net Job Size**

| Net Size of Mail.dat Job (MB) * | Recommended Physical RAM |
|---|---|
| 0 - 10 | 64 MB |
| 11 - 25 | 128 MB |
| 26 - 50 | 256 MB |
| > 50 | >1024 MB |

* The net size of a Mail.dat job is calculated as the "total size of all files" associated with a job, minus the size of the PQT, SNR, and PDR files.

For Mail.dat jobs with a large total file size, file transmission may result in an “Out of Memory” error. To resolve this issue, modify the Java™ Virtual Machine (JVM) memory arguments, then retry the transmission. For more information on how to modify the JVM memory settings, see Section 3.4.3 for manual mode, or Section 4.1.8 for batch mode.

**NOTE**: UNIX workstations can also be used to send mailing data files in Batch processing mode. For more details, see Chapter 4, Batch Processing.

### 3.2.2 Software

Windows workstations used for transferring files should be configured using the following software:

- A text editor or third-party Mail.dat viewer. This software is necessary to analyze the contents of your Mail.dat files and resolve any file format or content problems reported by the *PostalOne!* system.
- Microsoft Internet Explorer® 5.0 or later with the Java Virtual Machine (JVM) plug-in or Netscape® Communicator 6.0 or later with JVM plug-in. The JVM should be version 1.4.2 (see the next item).
- Because newer Microsoft operating systems (such as Windows® XP) no longer support some Java software, users with new installations of Microsoft operating systems must now install Sun Microsystems® Java Virtual Machine 1.4.2 or greater on their browsers. If you do not do this, the *PostalOne!* functions for file validation and manual file transfer will not work. The Batch Processor has a different requirement.

  To install the JVM, ensure you have administrator rights on your computer, then click the links on the Sun Microsystems site at: http://www.java.com/. If a security warning dialog box opens, click **Yes** to install, and follow any directions. If you do not have administrator rights, contact your system administrator. Once installed, the JVM automatically runs whenever necessary.

For information about batch mode requirements, see Chapter 4, Batch Processing.

### 3.2.3 Network

The File Transfer software (Manual mode) uses http/https protocol to communicate through port 443. If firewall settings prevent http/https communication through port 443, reconfigure the firewall to allow this traffic. Port 443 is the standard port for https communication.

The Batch Processor software uses the http/https protocol to communicate through port 444. If firewall settings prevent http/https communication through port 444, reconfigure the firewall to allow this traffic. See Chapter 4, Batch Processing.

### 3.2.4 Infrastructure

Because the *PostalOne!* system is Web-based, no infrastructure requirements exist other than the hardware and software previously discussed.


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### 3.2.5 Information/Manuals

To ensure that you accurately configure your Mail.dat files, use this guide, the *Mail.dat File Specification*, Version 09-1, the *Guide to Electronic Documentation and Appointments for Full Service Mailers*, and the *Mail.dat Users' Guide*. The *Mail.dat File Specification* and the *Mail.dat Users Guide* are two key documents from IDEAlliance. As a nonprofit organization, IDEAlliance charges a nominal fee for the file specification. The fee covers the costs of changes, updates, printing, and notifications to customers. If you do not have a current copy of the specification, contact IDEAlliance at (703) 837-1088 or online at http://www.idealliance.org/maildat/. You can download the *Mail.dat Users' Guide* from the website.

IDEAlliance
100 Daingerfield Rd., Fourth Floor
Alexandria, VA 22314

The *Guide to Electronic Documentation and Appointments for Full Service Mailers* is available from the same Web site as this document. For technical support, contact the *PostalOne!* Customer Support team. See Section 5, Customer Support, for contact information.

### 3.2.6 User License Code

To participate in the *PostalOne!* program, obtain a valid User License Code (ULC) from IDEAlliance, who assigns a ULC to each Mail.dat user. The ULC uniquely identifies you to the Postal Service. Customers who generate, update, or pass along Mail.dat files for subsequent use must have a ULC.

### 3.2.7 Security Certificates

The *PostalOne!* system uses Secure Sockets Layer (SSL) Version 3.0 to transfer files safely over the Internet. SSL is a secure enhancement to the standard Transmission Control Protocol/Internet Protocol (TCP/IP). It uses a combination of cryptographic processes to authenticate the host computers, and to encrypt and decrypt data transferred between them.

If you use the Manual mode file transfer process, the pre-installed VeriSign® client SSL certificate (included with the web browser) secures the file transmissions. No user setup is required for this process other than using the required web browser.

If you use the Batch mode file transfer process, your company must have a SSL certificate installed and set up. For information about security certificates, see Section 4.1.6, Digital Certificates/Security.

### 3.2.8 Collaboration

For unresolved issues with Mail.dat files, the IDEAlliance Mail.dat Work Group collaborates with the Postal Service to find solutions for future releases. All Mail.dat licensees may participate in the Mail.dat Discussion Forum on the IDEAlliance collaborative Web site (http://pmstage.freecom.at/pmstage/). Topics of interest include:

- Handling for Periodical container charges
- Firm bundles and non-incidental enclosures
- Virtual bundles – from USPS
- Mail Piece Unit ID – Definition in Segments
- Files, Fields, values to be deleted (applies to all mail classes)
- Mail.dat specification version 09-1 (work in progress)


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## 3.3 Configuring Mailing Files for Processing

This section provides details about the *Mail.dat File Specification* as they relate to data elements used by the *PostalOne!* system. Specifically, it covers required files and fields, typical problems, sending job updates, and file processing. We strongly recommend that you acquire the *Mail.dat File Specification* and the *Mail.dat Users' Guide* from IDEAlliance.

If you will be participating in the Full Service program, we strongly recommend you acquire the *Guide to Electronic Documentation and Appointments for the Full Service Mailer* from our Web site.

For more information about the obtaining these, see Section 3.2.5, Information/Manuals.

### 3.3.1 Required Files and Fields

A Mail.dat job sent to the *PostalOne!* system consists of, at most, twenty-one files. Each file in the set sent for a job consists of a different record type. Key fields within the records provide linkage from one file to another, thus creating a hierarchical relationship between the files. The *PostalOne!* system uses the Mail.dat standards as specified within the Mail.dat specification. In addition, the *PostalOne!* system specifically requires certain fields—these are marked in the specification with two asterisks (**).

For a listing of the files available in Mail.dat, see Appendix A. Mail.dat File Definitions. To review the validation performed by the *PostalOne!* system, see Appendix B. Mail.dat Field Validation. Appendix B also notes any fields required by the *PostalOne!* system, but not marked in the Mail.dat specification.

### 3.3.2 Postage Statement Generation, Rejection, and Conflict Resolution

This section discusses the key fields used to indicate a new postage statement within a job, the issues that can cause rejection of a segment of a Mail.dat job, and conflict resolution for redundant values in Periodicals mailings.

#### 3.3.2.1 Key Fields

This section discusses the key fields used to indicate a new postage statement within a job, based on the Mail.dat 09-1 specification and the *PostalOne!* system. One job may contain multiple postage statements. The *PostalOne!* system generates a new postage statement each time a unique set of information is found in the following fields:

**Table 3-2. Key Postage Statement Generation Fields**

| Field | Record(s) | Position(s) | Notes |
|---|---|---|---|
| Job ID | (Multiple files) | | Must be identical for all files in the job. |
| Mailing Facility | (Multiple files) | | Must be identical for all files in the job. |
| Provider Code | (Multiple files) | | Must be identical for all files in the job. |
| Periodicals Issue Number | Component (CPT) | 157-162 | Periodicals only. |
| Periodicals Volume Number | Component (CPT) | 152-156 | Periodicals only. |
| Container Ship Date | Container Summary (CSM) | 101-108 | |
| Container Status | Container Summary (CSM) | 198 | |
| Entry Point for Entry Discount Postal Code | Container Summary (CSM) | 43-48 | Periodicals only. |
| Entry Point for Entry Discount Facility Type | Container Summary (CSM) | 49 | Periodicals only. |
| Postage Grouping ID | Container Summary (CSM) | 233-240 | |
| CAPS Reference Number | Mailer Postage Account (MPA) | 100-139 | |


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| Field | Record(s) | Position(s) | Notes |
|---|---|---|---|
| Federal Agency Cost Code | Mailer Postage Account (MPA) | 171-175 | Non-Periodicals only. |
| Permit Number | Mailer Postage Account (MPA) | 58-65 | Pending Periodicals and non-Periodicals, including enclosures |
| Permit ZIP Code + 4 | Mailer Postage Account (MPA) | 81-89 | |
| Postage Payment Method | Mailer Postage Account (MPA) | 140 | |
| Publication Number | Mailer Postage Account (MPA) | 49-57 | Periodicals only. |
| Rate Type | Mailpiece Unit (MPU) | 94 | |
| Mail Piece Unit Weight | Mailpiece Unit (MPU) | 60-65 | Periodicals only. |
| Mail Piece Unit Name | Mailpiece Unit (MPU) | 18-29 | Periodicals only. |
| Periodicals Advertising Percentage | Mailpiece Unit (MPU) or Component (CPT)* | 87-91<br>74-78 | Periodicals only. |
| Periodicals Frequency | Component (CPT) | 171-173 | Periodicals only. |
| Periodicals Issue Date | Component (CPT) | 163-170 | Periodicals only. |
| Processing Category | Mailpiece Unit (MPU) or Component (CPT)* | 95-96<br>82-83 | |
| Mail Piece Unit - Class<br>Component Class | Mailpiece Unit (MPU) or Component (CPT)* | 93<br>80 | |
| Automation Coding Date | Segment (SEG) | 167-174 | Periodicals only. |
| Carrier Route Coding Date | Segment (SEG) | 175-182 | Periodicals only. |
| Carrier Route Sequencing Date | Segment (SEG) | 183-190 | Periodicals only. |
| <Mail Class> Sacking Criteria | Segment (SEG) | 76-81 | Non-Periodicals only. |
| Packaging Services Packaging Criteria | Segment (SEG) | 165-166 | Non-Periodicals only. |
| Container and Bundle Charge Method | Segment (SEG) | 249 | Periodicals only. |
| MPA ID for Container and Bundle Charge Method | Segment (SEG) | 250-259 | Periodicals only. |

* When both MPU and CPT values are listed, the CPT values are used for enclosures.

Once postage statements have been created, the *PostalOne!* system reviews the new statements to see if consolidation is necessary. A new consolidated statement is generated for each unique set of the listed fields within a job.

**Table 3-3. Key Consolidation Fields**

| Field | Record(s) | Position(s) |
|---|---|---|
| Job ID | (Multiple files) | |
| Mailing Facility | (Multiple files) | |
| Periodicals Issue Date | Component (CPT) | 163-170 |
| Periodicals Issue Number | Component (CPT) | 157-162 |
| Periodicals Volume Number | Component (CPT) | 152-156 |
| Container Status | Container Summary (CSM) | 198 |
| CAPS Reference Number | Mailer Postage Account (MPA) | 100-139 |
| Federal Agency Cost Code | Mailer Postage Account (MPA) | 171-175 |
| Mail Owner's Lcl Permit Ref Num / Int'l Bill Num | Mailer Postage Account (MPA) | 90-97 |
| Mail Owner's Lcl Permit Ref Num / Int'l Bill Num - Type | Mailer Postage Account (MPA) | 98 |
| Permit ZIP Code + 4 | Mailer Postage Account (MPA) | 81-89 |


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| Field | Record(s) | Position(s) |
|---|---|---|
| Postage Payment Method | Mailer Postage Account (MPA) | 140 |
| USPS Publication Number | Mailer Postage Account (MPA) | 49-57 |
| Rate Type | Mailpiece Unit (MPU) | 94 |
| Mail Piece Unit Class<br>Component Class | Mailpiece Unit (MPU) or<br>Component (CPT) | 93<br>80 |
| Processing Category | Mailpiece Unit (MPU) or<br>Component (CPT) | 95-96<br>82-83 |
| Container and Bundle Charge Method | Segment (SEG) | 249 |

### 3.3.2.2 Segment Rejection

Segment rejection occurs when a particular segment of a Mail.dat job fails validation. The *PostalOne!* system processes the entire Mail.dat job, and generates qualification reports, postage statements, etc. based on the information in the file, but skips any rejected segments and data specifically associated with those segments. Data associated with rejected segments include MPU and MPU/C Relationship Records associated only with the segment ID, as well as container IDs associated with the segment ID. Additionally, all CQT Database IDs associated only with the rejected container IDS and their records in the Package Quantity Record are also ignored during file generation. The segment rejection error message includes a description of the error(s) and the segment ID(s) of the rejected segment(s) so errors can be resolved.

The following conditions can cause segment rejection:

- In a Periodicals mailing, the weight of a single ride-along piece exceeds 3.3 ounces (0.20625 lbs) and/or the weight per copy for the issue, as declared in the Component Weight field of the Component (CPT) record.

- A Periodicals mailing or an enclosure in a Periodicals mailing claims an unauthorized rate category, such as Nonprofit, Classroom, or Science of Agriculture. Special rates only apply to Outside County postage. The Mailing ZIP Code in the MPA record must be the finance unit granting an active permit authorization for the rate. The authorized permit must be used in the mailing.

- The Class Defining Preparation field in the SEG file does not match values 1 (First-Class Mail), 2 (Periodicals), 3 (Standard Mail®), or 4 (Package Services).

When segment rejection occurs, other segments in the Mail.dat file are not affected. However, if **all** segments in a Mail.dat file fail, the entire job fails validation. Segment validation occurs during processing of "Ready to Pay" Mail.dat jobs. Any subsequent updates must be sent without the segment or with the segment still rejected and the associated containers removed. To resend the rejected segments, first correct the validation issues, then send a new or updated job with those segments. To prevent additional validation errors, do not include any segments that previously passed validation in the new or updated job.

### 3.3.2.3 Issue Date Validation

If the required field Issue Date is missing from the CPT record for a Periodicals mailing, the file is rejected with the following error message: “For Periodical Statement # [*#*] Issue Date is required for 3541.” If Issue Frequency is missing, the *PostalOne!* system treats the field as blank and continues processing.

### 3.3.2.4 Periodicals Rate Calculations

The following items impact rate calculations:

1. Flats Machinability. The Flats Machinability field (position 118) accepts the value “Y” for flats machinable under DMM 301.1.3 and the value “U” for flats machinable under 707.26. The MPU Flats


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Machinability field (position 118) cannot be blank if Mail Piece Unit – Processing Category (positions 95-96) is “FL”.

2. Outside County for bundles and containers.

   - The rates for the Outside County Bundles depend on the Package Level (.pqt position 33) and the Container Level (.csm position 41-42).

   - The rates for the Outside County Containers depend on the Container Type (.csm position 13), the Entry Level for Entry Discount – Facility Type (.csm position 49) and the Container Level (.csm position 41-42).

   For specific mappings, see Appendix B.

3. Outside County payment method. In the required field Container and Bundle Charge Method (.seg position 249):

   - If the mailing does not include any Periodicals, this required field must be filled with a “0” (zero).
   - If this field is set to the value “1” or “2”, the Segment field MPA ID for Container and Bundle Charge Method (positions 250-259) becomes required.
   - If the value is set to “3”, the MPA ID for Container and Bundle Charge Method field is not required.
   - Validation uses the first Container and Bundle Charge Method for the entire job. This differs from the Mail.dat specification.

4. Unsupported mail preparations.

### 3.3.2.5 Bound Printed Matter Validation Issues

The following list includes Bound Printed Matter (BPM) mailing combinations that result in file failure or incorrect postage statements when submitted using Mail.dat files. Incorrect validation issues affect the following BPM mailing combinations:

- Mailings that claim Barcode Discount "B" for flats or parcels. Mailings fail validation with an invalid mapping error if the mailing claims a Carrier Route rate category. Mailings pass validation, but result in incorrect postage, if the mailing claims a Nonpresorted or Presorted rate category. These issues are the result of a defect in barcode discount calculation and will be fixed in a future release.

- Mailings that include bundles with a piece weight of less than one pound. These mailings fail validation with the error message "ORA-20001: EXITING WWS Data Submission Package - Invalid MPU weight." This file failure is due to a weight validation defect that will be corrected in a future release.

- Mailings that include bundles with the number of copies higher than the number of pieces result in an incorrect postage statement. To submit a BPM mailing that includes bundles, the Number of Pieces field (positions 58-61) must match the Number of Copies in the .pqt file.

### 3.3.2.6 Unsupported Mailing Cases

The following mailing cases are not currently supported using Mail.dat files:

- Mailings with multiple mail classes.

- Co-palletized mailings where a segment contains only mother containers.

- International mail.

- Pending Periodicals in combined mailings, with parcel rates, or that include firm bundles.


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- Mailings with firm bundles that include non-incidental enclosures
- Move Update method updates.
- Per the DMM 707 section, Periodicals with:
    - Exception to Sacking (DMM section 23.4.2). Sacking is not required for bundles prepared for and entered at a DDU when the mailer unloads bundles under (DMM section) 28.4.6. Mail presented under this exception is not subject to the container charge (but is still subject to the bundle charges).
    - Bundle rates do not apply to barcoded letter-size mail prepared in full letter trays or to flat-size mail prepared in flat trays under the optional tray preparation in DMM sections 22.7 and 25.5.
    - Periodicals parcels that are not bundled. If Periodicals parcels are not bundled, even irregular parcels, validation rejects the Mail.dat file. To submit Periodicals parcels that are not bundled per DMM section 23.4, submit the mailing with the alternative standardized documentation and postage statements.
- For MLOCR mailings, postage statements cannot claim the “Single Piece” rate category.

The above list is not exhaustive; the Mail.dat specification may support additional cases that are not supported by the *PostalOne!* system.

### 3.3.3 Typical File Formatting Problems

As more customers begin to utilize the *PostalOne!* system, we have been able to identify several common errors made in formatting fields. For details on field validation, see Appendix B. Mail.dat Field Validation. The more common errors are:

1. The optional date fields defined in the *Mail.dat File Specification* are often filled with zeros. The system validates all optional fields containing information and does not consider zeros to be acceptable date values.
2. The file/record level status flags are not used consistently. The system requires that all file/record level flags be consistent and does not allow any mixed Mail.dat transactions. For example, for an original Mail.dat transaction, all file level status flags should be set to "O".
3. You attempt to transfer a file but it fails because of an "Invalid Facility ZIP+4" in the segment (.seg) record. When looking at the actual data, the file shows all of the data in the correct positions according to the *Mail.dat File Specification*. However, the software being used has written a blank record in the CR/LF pair causing the data in the Segment file to be off by two characters.

   Solution: Delete the blank record and resave the file; the data will be in the proper positions in the file.
4. You used the File Validator to validate a Mail.dat file and it validated successfully. However, when attempting to transfer that Mail.dat file, it fails due to an "Invalid Facility ZIP+4" error.

   This scenario can be confusing because the file passed validation. When validating the file, the File Validator does not transfer the file, nor does it compare the data to what is in your customer profile in the *PostalOne!* database. All of the data in the files may be in the right place, but if the file transfer fails, the data in the required fields are not valid.

   The problem is that the Verification Facility ZIP+4 in positions 137-145 in the segment file does not match the site's Mailing Facility ZIP+4 found in the *PostalOne!* database.
5. I/O Errors "Unable to connect to server." You can access the Internet and validate files, but when trying to transfer a file, you receive an I/O exception error.


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There are a few situations that could cause this. Your inter-company network may allow read-only access to files. If you have your Mail.dat files saved on a network drive, the Transfer Applet is not being permitted to get the files and transmit those due to company firewall settings, inter-company network access, etc.

Solution: Create a folder on your local machine's hard drive, called "Mail.dat" for example, and save in that folder any Mail.dat files to be transferred to the *PostalOne!* system. Use the Transfer Applet and get the files from the new folder. This way, the Applet does not contend with the network firewall.

6. I/O Errors "Unable to connect to server." You are transferring Mail.dat files from a folder on the local machine's hard drive (i.e., no network involvement, as described in the previous item) and still get an I/O exception error. Reasons:

   a. You may have lost connectivity to the Internet during the process.

   b. The *PostalOne!* database could be temporarily offline.

   c. It may be software related (an old browser or the user answered "No" to the security warning when trying to use the Transfer Applet).

7. "Trying to Reinsert an Original File." You have sent a specific Mail.dat job and it transferred successfully; however, when you try to resend the file, the *PostalOne!* database fails the transfer because the file has already been transmitted under that specific Job ID.

   When transferring Mail.dat files to the *PostalOne!* database, remember that once an original Mail.dat was transferred successfully, you can only send subsequent updates to that job, unless the job is deleted, then resent. For details about updates, see Section 3.3.4, Sending Job Updates.

   To send an update to an existing Job in the system, make sure that all File Status flags in each file being transmitted reflect a "U" for update. All subsequent files included in the transfer of an update should include a “U” in the File Status flag field. For example:

   a. The Segment File SEG Record Status Flag (position 164) should contain a “U” for an update.

   b. The Mail Piece Unit File MPU Record Status Flag (position 117) should contain a “U” for an update.

   Alternately, to resend an original file, first delete the job, then resend the job. The same Job ID can be used if the first attempt to submit the file is deleted prior to the second attempt. For more information on deleting files, see Section 3.3.4.3, Commands.

8. If the files were validated and transferred, but not accepted by the database and you receive "Internal System Error," a file may have null characters. The database will not accept a file with null characters. To spot the null characters, open the Mail.dat files using the Textpad utility. The null characters appear as black squares. Delete the black squares, then resubmit the files.

9. If files cannot be transferred due to an issue with the ZIP Code +4 or a permit, first verify that you have a permit, even a ghost permit, at the same finance number (ZIP Code) as the permit(s) used to pay for the postage statements in the job. The finance number ZIP Code is available in the Mailer Postage Account record. Next, check to see if the correct ZIP Code is listed in your files. If you have a permit at the same finance number, contact the Customer Care Center and request they check the Mail.dat user name to ensure permits are linked properly.

### 3.3.4 Sending Job Updates

Large mailing jobs are often split into smaller production units, then produced and presented for acceptance incrementally (along with supporting documentation) over several days or even weeks. Specific details of a mailing job may change. For example, a piece weight may have changed or an initial


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estimated weight becomes finalized when the mail is produced. Also, in-process mailing jobs may be canceled in whole or in part for a variety of reasons. The *PostalOne!* system, via the *Mail.dat File Specification*, accommodates these and other tasks and provides business mailers the means to communicate them to the Postal Service.

The scenarios such as those described above are handled as updates to the original Mail.dat file initially sent to the system. The list below includes the general guidelines for sending updated Mail.dat files:

- The system must receive an original Mail.dat file before any update can be received and processed.
- Mailers can send multiple updates to a mailing job, as long as they observe the rules established by the Mail.dat File Specification and those of the system.
- For mailers with an Optional Procedure (OP) mailing system, 100% of the containers in a mailing job must eventually be accounted for when a job is updated.

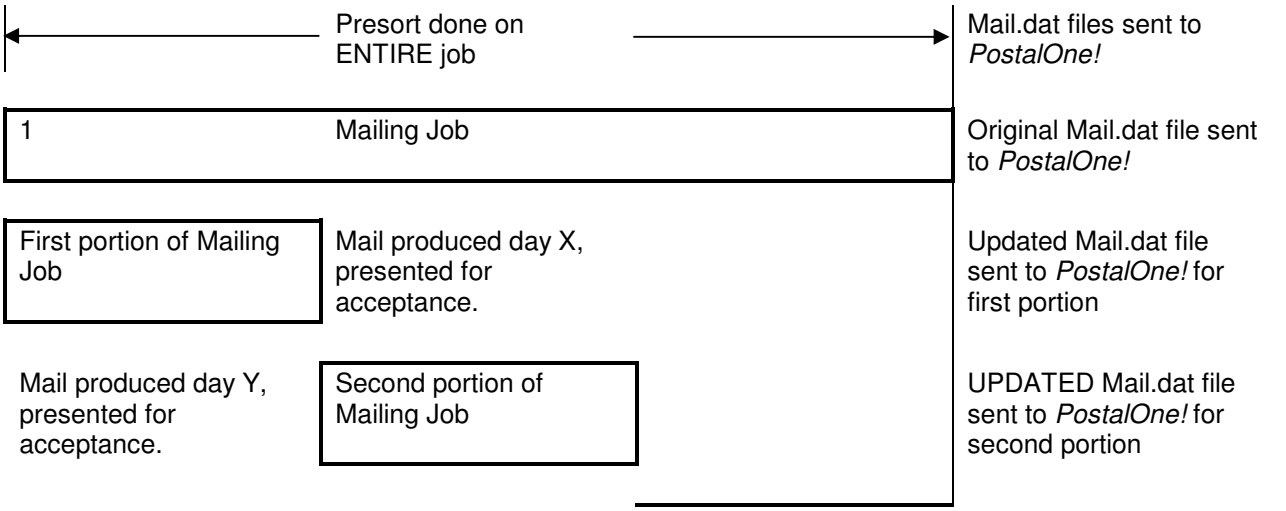
The table below lists the files a mailer would commonly include in original and update transfers.

**Table 3-4. Files Included in Original and Update Transfers**

| Original Mail.dat File | Update |
|---|---|
| *Header | *Header |
| *Segment | *Segment |
| *Mailpiece Unit | Mailpiece Unit |
| *MPU/C Relationship | Component |
| *Mailer Postage Account | Container Summary |
| *Component | Container Quantity |
| *Container Summary | |
| *Container Quantity | |
| *Package Quantity | |

*Required files

Following is a common update scenario to an original Mail.dat file: The mailer creates an ORIGINAL Mail.dat mailing data file after presort processing a large job and sends that file to the *PostalOne!* system. For each portion of the job, the mailer produces the incremental portion, presents it for acceptance, and sends an UPDATE to the Mail.dat file. For the portion of the mail that is presented for acceptance that it is 'ready to pay,' a postage statement is created. This scenario is illustrated in Figure 3-2 below.





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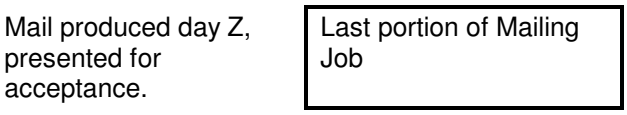


**Figure 3-2. Sending Job Updates to the *PostalOne!* System**

**NOTE**: Mailers can indicate that a portion or entire mailing job is ready for payment in an Original mailing file. If an entire job or portion of a job is ready to pay and will be presented for acceptance, an Update is not necessary.

### 3.3.4.1 File/Record Level Status

To use the *PostalOne!* system, mailers must use file/record level status flags for all Mail.dat 08-2 or 09-1 files. The table below lists the file/record level status flags allowed by the system.

**Table 3-5. File and Record Level Status Values**

| Mail.dat Transaction Type | File Level Status | Record Level Status | Required Files (Minimum) |
|---|---|---|---|
| 'O'riginal | All flags must be set to 'O'. | All flags must be set to 'O'. | HDR, SEG, MPU, MCR, MPA, CPT, CSM, CQT, PQT |
| 'D'elete | All flags must be set to 'D'. | All flags must be set to 'D'. | HDR, SEG |
| 'R'eplace | Not supported by the *PostalOne!* system. | Not supported by the *PostalOne!* system. | Not supported by the *PostalOne!* system. |
| 'C'hange | All flags must be set to 'C'. | All flags must be set to either 'I' or 'U'. | HDR, SEG |
| 'U'pdate | All flags must be set to 'U'. | All flags must be set to 'U'. | HDR, SEG |

### 3.3.4.2 Rules for Sending Updates

When sending an update transmission, mailers participating in the *PostalOne!* program must follow these rules and requirements:

1. The Header file must contain a "U" in the appropriate status field.

2. The *PostalOne!* system validates all container status updates and fails transactions that violate the rules in the following table, which contains the valid container status values to which a given container can be changed. If updating the Container Summary Record, position 198 must reflect the appropriate status and have one of the following allowable values:

**Table 3-6. Allowable Container Status Values**

| Container Status | Allowable Changes | Notes |
|---|---|---|
| C | D, P, R, or X | |
| D | | No changes allowed. |
| O | D, P, R, X, or C | |
| P | D, P, R or C | |
| R | D, X, T, or C | |
| T | D, X, T, or C | |
| X | T | |

3. File transfers that include one or more containers with status “D” result in the cancellation of the entire postage statement and impact the reconciliation report accordingly.


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4. Original file transfers can have a "P" value. A preliminary or estimated postage statement will be generated with the Qualification Report. This postage statement will have the stage “EST” displayed on the Dashboard.

5. File transfers with the container status “R” generate postage statements with a stage “UPD” (USPS Processing Due) displayed on the Dashboard. Postal clerks can only finalize (bill) UPD postage statements.

6. The "R" value can only be resent if a container is cancelled (set to "C") prior to the second "R" being sent. The file fails if a second "R" is sent without canceling the container first.

7. To update transportation information, use the "T" value to update the reservation number and container barcode information in a file set to “R” or “X”. The only way to update a file marked “X” is with a “T.” A "T" value is accepted only after an "R" or “X” has been sent because no transportation update is necessary until the indication of payment. You can update transportation information only after it has been marked Ready to pay ("R") or Paid and Closed (“X”). Original file transfers fail if a "T" is sent.

8. Updates to weight are reflected only in a postage statement with a "P" or an "R" value. If an update to weight is received within any other update, it is logged, but no recalculation of the postage statement occurs until a "P" or an "R" value is received.

9. Only one estimate of postage is generated for an entire mailing job, unless more than one actual postage statement is required for the mailing or the same containers are sent multiple times with status “P”. Original job files generate preliminary statements, and group containers by date; to perform these functions, the container status associated with the original submission must be “P”. A separate update is not required.

10. Individual postage statements are generated for each unique Permit/USPS Pub number and each distinct Mailing Date populated in the Ship Date column in the .CSM file. The *PostalOne*! system consolidates postage statements across segments for an entire Mail.dat file. This applies to all files within a job that contain the same values for a postage statement: class, payment method, rate type, processing category, CAPS reference number, container ship date, sacking basis, packaging basis, entry point, and permit holder. Additionally, the *PostalOne!* system generates a new postage statement for each unique occurrence of the CAPS Customer Reference ID for the subset of the mailing identified by that ID. See Section 3.3.2 for key fields used in postage statement generation.

### 3.3.4.3 Commands

#### The Delete Transaction

You can close a mailing job (i.e., containers canceled) by sending a "delete" file. This signals that the product, for whatever reason, is no longer going to mail.

A delete file is composed of a header file and a segment file. The segment file specifies the individual facilities (using the Verification Facility ZIP+4 field) affected. When the Verification Facility ZIP+4 is available, the job can be closed at a specific facility (if this job spans more than one facility). Verification Facility ZIP+4 is contained in the segment file.

#### The Change Transaction

If the File Status fields in the header file for a Mail.dat job are set to "C", the job is considered a "Change" job. Per the *Mail.dat File Specification*, available change actions are 'I'nsert and 'U'pdate, based on the values contained in the record level status flags. Although the specification includes support for the 'D'elete flag, the *PostalOne!* system supports only the "I", "O" and "U" flags. Support for the "D" flag at the record level is pending.


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**Replace Transactions**

A Mail.dat job may be replaced by sending a 'delete' transaction (see above) then resubmitting the same job.

### 3.3.5 File Processing Overview

When users select and send files manually, the *PostalOne!* system processes the files in the order the user selected them. When selecting multiple update files for transfer, users must select only those update files for which an original file has already been sent.

The batch file transfer module processes jobs in first-in-first-out (FIFO) order based on the date-time stamp on the Mail.dat files. However, this does not guarantee that the system completes jobs with different Job IDs in the original transfer order. For example, when a large job is transferred first and then followed by a smaller job with a different Job ID, the smaller job usually finishes first. This is because the file transfer module can process several jobs at a time, and the larger job takes longer to process.

The *PostalOne!* system Electronic Data Exchange process is detailed and illustrated in Figure 3-3 below.

1. The customer transfers Mail.dat files to the *PostalOne!* system in one of two ways:

   - The Transfer Applet client, available on the *PostalOne!* website, manually transfers Mail.dat files to the *PostalOne!* File Upload Server.

   - The Batch Processor application, when scheduled, automatically transfers Mail.dat files to the *PostalOne!* File Upload Server using password protection and Secure Socket Layer (SSL) encryption. The File Upload Server then returns a Receipt file to the client machine.

2. The File Upload Server inserts the Mail.dat files into the *PostalOne!* database.

3. Various reports (including the postage statements) are made available from the PostalOne! web server.

   **NOTE**: Postage statements for Mail.dat files larger than 30MB may not be immediately available as those files take longer to process.


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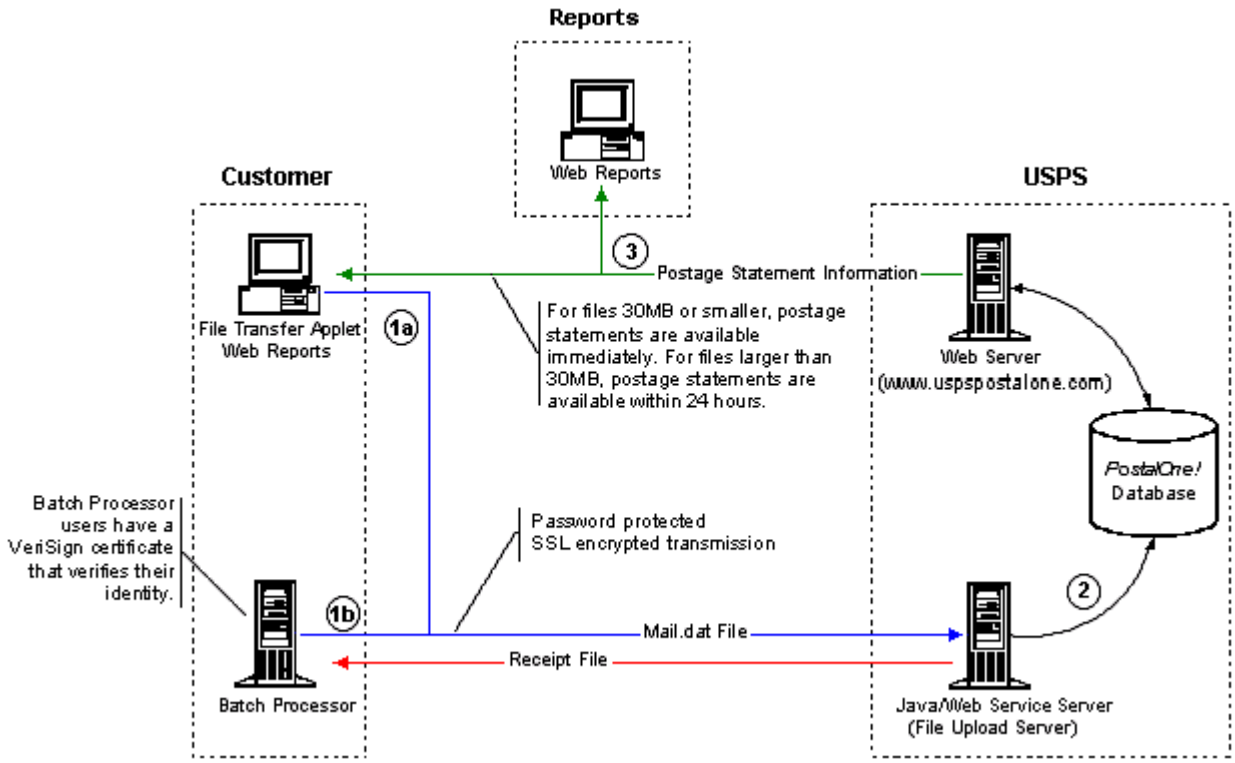


**Figure 3-3. Mail.dat File Transfer Process**

## 3.4 Transferring Files

When mailers send files to the *PostalOne!* system, the file transfer software performs high-level file structure verification (called *file validation*) by checking the record counts for Mail.dat files provided in the Header record against the actual records present in the attached files. It also checks that all required fields exist. File Transfer fails the job if a required field is missing. It validates key field relationships between one or more records of files and verifies the structural and hierarchical integrity of the entire job by validating the proper existence of all predefined parent-child relationships.

To increase the likelihood of files transferring successfully, use File Validator to verify Mail.dat files before transferring them. The tool checks the validity of the data elements in the file and records error messages and warnings to the user's hard drive. To use the File Validator, under Tools, click **File Validator**. This is discussed in detail in Section 3.4.1, Validating Files.

After the mailing passes validation, you are ready to transfer it. For information on this, see Section 3.4.2, Performing the File Transfer.

### 3.4.1 Validating Files

The File Validator checks your Mail.dat files to ensure that all *required* fields are populated and contain the *correct character format*. This section explains how to use the File Validator feature.

Before using the File Validator, verify that the Physical Memory (RAM) available on your machine meets the recommendations listed in the table below:

**Table 3-7. RAM Requirements Based on Net Job Size**

| Net Size of Mail.dat Job (MB) * | Recommended Physical RAM |
|---|---|
| 0 - 10 | 64 MB |


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| | |
|---|---|
| 11 - 25 | 128 MB |
| 26 - 50 | 256 MB |
| >50 | >1024 MB |

* The net size of a Mail.dat job is calculated as the "total size of all files" associated with a job, minus the size of the PQT, SNR, and PDR files.

For Mail.dat jobs with a large total file size, file transmission may result in an “Out of Memory” error. To resolve this issue, modify JVM memory limits, then retry the transmission. For more information on modifying memory limits for manual jobs, see Section 3.4.3.

**NOTE**: These memory requirements are for a single thread; when sending multiple simultaneous jobs, use the sum of all net sizes to estimate memory requirements.

To validate your Mail.dat files:

1. Log on the test system. A special test system has been set up for new participants. It is located at https://cat.uspspostalone.com/postal1. This tool was created to provide a safe environment for testing files and to help you learn about the *PostalOne!* system.

2. To open the File Validator page, on the left menu bar of the logon page, click **File Validator**. If you see a Security Warning pop-up box, click **Yes** to load the File Validator on your system as a temporary file. If you click **No** you will not load it or be able to use the File Validator.

3. The "All Folders" pane displays your computer's local drives (usually A, C, and D). From the list, click the plus sign (+) next to the drive on which your job is saved.

4. Scroll up or down to locate the folder in which your job is saved.

5. Select the proper folder by clicking the folder name. The "File Contents of" pane displays the job header files.

   **NOTE**: If the folder containing your job is in a subfolder, click the plus sign (+) next to the main folder to display the subfolders. From the subfolders, locate and select the appropriate folder.

6. In the "File Contents of" pane, select the job header file you want to validate.

   **NOTE**: To validate multiple job header files simultaneously, hold down the CTRL key while you select the job files.

7. Before you validate the files, you may wish to change the validation.log file's name and location by clicking **Validation Log File**. By default, the File Validator writes the results to `C:\Validation.log`.

8. Click **Validate File(s)** to begin the validation process.

9. If your job passes the file validation process, a message indicating that the validation was successful appears. If your job fails the validation process, an error message appears. For more information about examining the validation log file, see Section 3.4.1.4, *Validation Log Errors*.

10. Click **OK** to close the message.

### 3.4.1.1 Validation Constraints

The following relationship constraints are validated for Mail.dat 09-1 and 08-2:

1. To successfully pass the Mail.dat validation, the *Mail.dat Presentation Category* field in the Header record must be populated with one of the data values listed in the following table:


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**Table 3-8. Presentation Category Values Required to Pass Validation**

| Data Value | Value Definition | Rules of Validation |
|---|---|---|
| P | Conventional Presort | If Mail.dat Presentation Category is 'P', the following files must be present to successfully pass validation.<br>• Header<br>• Segment<br>• MPU<br>• MPU/C Relationship<br>• Mailer Postage Account<br>• Component<br>• Container Summary<br>• Container Quantity<br>• Package Quantity<br>Optional files:<br>• Piece Detail Record |
| M | MLOCR/Barcode Scanner/Combined | If Mail.dat Presentation Category is 'M', the following files must be present to successfully pass validation.<br>• Header<br>• Segment<br>• MPU<br>• MPU/C Relationship<br>• Component<br>• Container Summary<br>• Container Quantity<br>• Mailer Postage Account<br>• Package Quantity |
| I | Manifest Individual | If Mail.dat Presentation Category is 'I', the following files must be present to successfully pass validation.<br>• Header<br>• Segment<br>• Component<br>• Container Summary<br>• Manifest Individual<br>Optional Files:<br>• Special Fees |
| S | Manifest Summary | If Mail.dat Presentation Category is 'S', the following files must be present to successfully pass validation.<br>• Header<br>• Segment<br>• Component<br>• Mailer Postage Account<br>• Manifest Summary |


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| Data Value | Value Definition | Rules of Validation |
|---|---|---|
| N | Single-Piece | If Mail.dat Presentation Category is 'N', the following files must be present to pass validation:<br>Set A:<br>• Header<br>• Segment<br>• Component<br>• Manifest Summary<br>• Manifest Individual<br>• Container Summary<br>- OR -<br>Set B:<br>• Header<br>• Segment<br>• MPU<br>• MPU/C Relationship<br>• Mailer Postage Account<br>• Component<br>• Container Summary<br>• Piece Detail Record |

2. The Mail.dat file structure is validated for the different Mail.dat transaction types, as follows:

   - The file level status flags must be consistent for a given Mail.dat transaction. For example, for an "original" transaction, all file level status flags in the header record must be set to "O". If some optional files are not included in the "original" transaction, the record count for those files must be 0 (zero). Similarly, for "update" or "change" or "delete" transactions, all file level status flags must be set to "U" or "C" or "D" respectively.
   - "Original" transactions – For original Mail.dat transactions, the Mail.dat file structure is verified based on the presentation category, as described above.
   - "Update" transactions – For all update transactions, the Header and the Segment files are required. All other files are optional.
   - "Change" transactions – For change transactions, the Header and the Segment files are required. All other files are optional.
   - "Delete" transactions – Two types of delete transactions are supported by the *PostalOne!* system. To delete a complete job (including all segments of the job), a Header and a Segment file must be sent, referencing all Verification Facility ZIP+4s within the job. To delete specific segments in a job, a Header and a Segment file must be sent identifying the specific Verification Facility ZIP+4s to be deleted.

3. All key field relationships between the different records of the Mail.dat file are validated, based on the Presentation Category.

4. All Mail.dat records are validated to ensure that no duplicate records exist based on the key field combinations.

5. Mail.dat records are validated to ensure that all required children are present, for any given parent record of a Mail.dat job.

6. If the 'Sibling Container' field in the CSM record is set to 'Y', the following fields must have values:

   - Job ID


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- Segment ID
- Container ID
- Sibling Container Indicator
- Sibling Container Reference ID

**NOTE**:

- All other fields in this CSM record **MUST** be left blank.
- Validation rejects Ready-to-Pay Periodicals mailings with ‘Sibling Container' set to “Y”.

7. The Parent/Sibling Container relationship is validated. If a Sibling Container record exists, its parent must be present.

8. If the Walk Sequence Record (WSR) file is used in the Mail.dat transmission, the 'Co-Palletization Code' field in the MPU record must be present.

9. If the 'Rate Category' field in the PQT record is set to 'A' (Saturation–ECR), the corresponding WSR record must be present.

10. All Component (CPT) records must have a value in the 'Permit ZIP+4/Postal Code' field. The Permit ZIP+4 value must be the ZIP Code associated with the Post Office location where the permit is held or the original or additional entry office where the USPS Publication Number is held.

11. Permit ZIP+4 – The *PostalOne!* application requires the "Permit ZIP+4" field as part of the information necessary to uniquely identify a Permit number or USPS Publication Number at a Post Office location. For the *PostalOne!* system to complete an end-to-end transaction, it is necessary to have the Permit ZIP+4 information with *all* postage transactions.

12. For the non-co-palletized portion of a co-palletized job, the co-palletized portion must not be included in the original file segment submitted for presort verification purposes. Packages in a co-palletized mailing must not be reported on a postage statement associated with the original presort. Mailings that are co-palletized can not be reported unless a new file or file segment has been built that correctly identifies the package makeup of the new containers.

13. If the Primary MPA ID in the MPU/Component Relationship (MCR) file of an update job is different from the original MPA ID, the new MPA ID must match the MPU – Unique Sequence/Grouping ID (positions 9-18) in the Mailer Postage Account (MPA) file of the first submission (original or preliminary).

14. Individual container counts and the total container count cannot exceed the total number of pieces in a submitted postage statement.

15. For Bound Printed Matter or Periodicals mailings that include First-Class Mail or Standard Mail enclosures, the permit used to pay for the enclosure must be a valid Permit Imprint, Metered, Precanceled Stamp, OMAS Imprint, or OMAS Metered permit. To designate a permit as the enclosure permit, in addition to standard required fields, mailers must set:

**Table 3-9. Enclosure Payment Settings**

| File | Field | Position(s) | Description |
|---|---|---|---|
| MPA | MPA – Unique Sequence/Grouping ID | 9-18 | Unique identifier for enclosure |
| MPA | Permit Number (if applicable)* | 58-65 | Permit used to pay for the enclosure |
| MPA | USPS Publication Number (if applicable)* | 49-57 | USPS Publication Number used to pay for the enclosure |
| MCR | Component ID | 18-25 | Component that is the enclosure |


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| | | | |
|---|---|---|---|
| MCR | Primary MPA ID | 27-36 | Points to the MPA file |
| CPT | Component – Class** | 80 | For Periodicals with enclosures only. |
| CPT | Component – Rate Type** | 81 | For Periodicals with enclosures only. |

* Use either a Permit Number or a USPS Publication Number to pay for an enclosure, not both. If the enclosure does not have the correct parameters set in the Mail.dat file, the file fails with the error: ORA-20001: EXITING WWS Data Submission Package – Multiple qualified MPA_UIDs found for JOB_SEQ_NUM=[*#*],SEGMENT_ID=[*ID*],MPU_ID=[*ID*],CLASS=[*class*].

** For information on completing these fields, see the "Periodical with First-Class or Standard Mail Enclosure" section in the appendix of the Mail.dat Specification.

16. For postage statements paying the Standard Mail rate using Pending Periodicals permits, the field Class Defining Preparation in the .seg file (position 73) must be "2" (Periodicals) and Class must be "5" (Periodicals Pending) as applicable in the .cpt file (position 80), .mpu file (position 93), and/or the Manifest Individual Record (.mir position 72). Pending Periodicals number must be in the Permit field (positions 58-65) of the .mpa file.

17. Pending Periodicals are partially supported. Pending Periodicals are not available at all for parcel rates or mailings that include firm bundles (rate category "FB"). However:

    - Pending Periodicals with Preliminary container status can include First-Class Mail incidental enclosures, non-incidental enclosures, combined statements, or special authorizations (nonprofit, science of agriculture, or classroom rates), but the *PostalOne!* system will not generate a postage statement for the mailing.

    - Pending Periodicals with Ready-to-Pay container status with such enclosures or special authorizations are rejected.

18. Periodicals mailings with Original or Preliminary status, and Pending Periodicals receive a warning message if totals include foreign destination mail pieces. If a Periodicals container with foreign destination mail pieces is marked ready-to-pay, the file is rejected and users receive the error message: "International mail is not supported for Periodicals at this time – Foreign Periodical Zone in CQT record. Please correct the data of the mail.dat job and resubmit the job."

19. Validation accepts firm bundles, provided non-incidental enclosures are not included. For all mailings claiming firm bundles, Package Level in position 33 of the .pqt must be set to "A". Additionally, firm bundles are considered a single piece and restricted to the Standard Mail limit of one pound. Pieces must be greater than zero if firm bundles are claimed, but copy number must exceed the piece count. A future release will allow non-incidental enclosures of First-Class Mail and Standard Mail so long as the Rate Category (.cqt position 35-36) is not 'FB'. For non-incidental enclosures, firm bundles must be designated only by the .pqt Package Level equal to 'A'.

20. For metered or precanceled stamp postage, *PostalOne!* validation requires an .mpa file detailing the permit to be charged for additional postage. The additional postage .mpa ID must be used in the Additional Postage MPA ID (positions 27-36) field of the .mcr file. Additional postage may only be charged to a permit imprint account.

### 3.4.1.2 MLOCR Validation Constraints

In addition to the standard file validations, the *PostalOne!* system validates the following for Multi-Line Optical Character Reader/Barcode Sorter (MLOCR/BCS) mailings and fails jobs that do not comply with the following:

- The Barcode Verifier field in the Segment record (.seg position 163) is required.

- Class can be First-Class Mail or Standard Mail, but not both.


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- Processing Category must be correct. For First-Class Mail, Processing Category must be Letter (“LT”), Card (“CD”), or Flat (“LT”). For Standard Mail, Processing Category must be Letter (“LT”).

- Piece-weight must be correct for the class of mail and category. For example, the *PostalOne!* system verifies weights of 3.3 ounces for First-Class Mail Letters, 13 ounces for First-Class Mail Flats, and 3.3 ounces for Standard Mail Letters for postage meter affixed mailings.

- Precanceled Stamps can only be used for 1 ounce First-Class Mail letter pieces and Standard Mail letters.

- Container types must be trays.

- The postage statement cannot claim a “Single Piece” Rate Category. For example, a Standard Mail postage statement cannot claim First-Class Mail single pieces.

- A MLOCR file set must have one segment. Multiple or zero segments result in rejection.

- All MPA files must pass validation. All jobs are rejected if one file fails.

- Updates to MLOCR mailings must limit changes to piece counts, rate categories, container status, presentation category, and number of copies. If the mailing includes changes in any other fields, validation rejects the file.

- Updates to MLOCR mailings must not result in a greater discount due to a rate category change.

- Containers cannot have Container Status “P” (Preliminary) in an update file.

- Containers with fewer than 150 pieces must also have a change in rate category that decreases the discount claimed from the original file.

- An MLOCR mailing with Postage Payment Method (.mpa position 140) values “S” (Precanceled stamps), “C” (Metered - Correct), “L” (Metered – Lowest), or “M” (Metered – Neither) must have at least two MPA records. The first record must be a Metered or Precanceled Stamp permit, and is used to authorize the mailing. All subsequent MPA records must be Permit Imprint or ADDPOS (Additional Postage) permits, and are used to charge any additional postage due.

### 3.4.1.3 Relationship Constraints Description

This section describes the relationship constraints validated by the validation module, based on the different Mail.dat presentation categories. To determine which files are required for the various Mail.dat 'Conventional Presort' transactions, see Section 3.3.4, Sending Job Updates.

**NOTE**: Only the 'Conventional Presort' Mail.dat presentation category is currently implemented and tested in the *PostalOne!* system. All other presentation categories are currently supported by the file transfer module, but have not been tested as part of the complete *PostalOne!* system.

**HDR**: (required for all presentation categories)

- All header records present in a 'HDR' file must belong to a single job.

- There must be only one 'current' header record present for a job, in a 'HDR' file.

- There can be none, or any number of 'history' records present in a 'HDR' file for a given job. The header history record sequence number must be unique for each history header record.

**SEG**: (required for all presentation categories)


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- There must be at least one or more segment record(s) present in the 'SEG' file for the unique Job ID present in the header file.
- No duplicate segment records should be present in the 'SEG' file considering the key fields of this record.

**MPA**: (required for all presentation categories)

- The number of mailer postage account record(s) present must match the number in the header file.
- No duplicate mailer postage account records should be present in the 'MPA' file considering the key fields of this record.

**CPT**: (required for all presentation categories)

- There must be at least one or more component record(s) present in the 'CPT' file for the unique Job ID present in the header file.
- No duplicate component records should be present in the 'CPT' file considering the key fields of this record.

**MPU**: (required only for 'Conventional Presort' and 'MLOCR' presentation categories)

- There must be at least one or more mailpiece unit record(s) present in the 'MPU' file for each segment record present in the segment file.
- No duplicate mailpiece unit records should be present in the 'MPU' file considering the key fields of this record.

**MCR**: (required only for 'Conventional Presort' and 'MLOCR' presentation categories)

- There must be at least one or more mpu/component relationship record(s) present in the 'MCR' file for each mailpiece unit record present in the MPU file.
- There must be at least one or more mpu/component relationship record(s) present in the 'MCR' file for each component record present in the CPT file.
- No duplicate mpu/component relationship records should be present in the 'MCR' file considering the key fields of this record.
- The Primary MPA ID must match an MPA ID submitted in the MPA file.

**PAR**: (optional for all presentation categories)

- Because the 'PAR' records are optional, there can be one or more postage adjustment record(s) present in the 'PAR' file for each mailpiece unit record present in the MPU file.
- Because the 'PAR' records are optional, there can be exactly one postage adjustment record present in the 'PAR' file for each component record present in the CPT file.
- No duplicate postage adjustment records should be present in the 'PAR' file considering the key fields of this record.

**MSR**: (required only for 'Manifest Summary' presentation category)

- For the 'Manifest Summary' presentation category, there must be one or more manifest summary record(s) present in the 'MSR' file for each segment record present in the SEG file.


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- For all other presentation categories, there can be one or more manifest summary record(s) present in the 'MSR' file for each segment record present in the SEG file.

- No duplicate manifest summary records should be present in the 'MSR' file considering the key fields of this record.

**WSR**: (optional for all presentation categories)

- Because the 'WSR' records are optional, there can be one or more walk sequence record(s) present in the 'WSR' file for each segment record present in the SEG file.

- Because the 'WSR' records are optional, there can be exactly one walk sequence record present in the 'WSR' file for each package quantity record present in the PQT file.

- No duplicate walk sequence records should be present in the 'WSR' file considering the key fields of this record.

**CSM**: (only optional for 'Manifest Summary' presentation category)

- For the 'Manifest Summary' presentation category, there can be one or more container summary record(s) present in the 'CSM' file for the unique Job ID present in the header file.

- For all other presentation categories, there must be at least one or more container summary record(s) present in the 'CSM' file for the unique Job ID present in the header file.

- No duplicate container summary records should be present in the 'CSM' file considering the key fields of this record.

**MIR**: (required only for 'Manifest Individual' presentation category)

- For the 'Manifest Individual' presentation category, there must be one or more manifest individual record(s) present in the 'MIR' file for each container summary record present in the CSM file.

- For all other presentation categories, there can be one or more manifest individual record(s) present in the 'MIR' file for each container summary record present in the CSM file.

- If the 'MIR' records are used, there can be exactly one manifest individual record present in the 'MIR' file for each special fees/chrg record present in the SFR file.

- No duplicate manifest individual records should be present in the 'MIR' file considering the key fields of this record.

**ICL**: (optional for all presentation categories)

- Because the 'ICL' records are optional, there can be exactly one international container label record present in the 'ICL' file for each container summary record present in the CSM file.

- No duplicate international container label records should be present in the 'ICL' file considering the key fields of this record.

**CQT**: (required only for 'Conventional Presort' and 'MLOCR' presentation categories)

- There must be at least one or more container quantity record(s) present in the 'CQT' file for each container summary record present in the CSM file.

- No duplicate container quantity records should be present in the 'CQT' file considering the key fields of this record.


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**PLR**: (optional for all presentation categories)

- Because the 'PLR' records are optional, there can be one or more package label record(s) present in the 'PLR' file for each container summary record present in the CSM file.
- No duplicate package label records should be present in the 'PLR' file considering the key fields of this record.

**PQT**: (required for 'Conventional Presort' if no PDR records are used or if mail class is Periodicals, and required for 'MLOCR/Barcode Scanner/Combined' presentation category)

- If a piece detail record is available for every container quantity record in a job, the package quantity records are optional. There can be one or more package quantity record(s) present in the 'PQT' file for each container quantity record present in the CQT file.
- For Periodicals, the package quantity records are required to determine applicable bundle charges, and to produce the qualification and bundle reports.
- If a piece detail record is not available for every container quantity record in a job, the package quantity records are required. There must be one or more package quantity record(s) present in the 'PQT' file for each container quantity record present in the CQT file.
- If the package label records are used, there can be one or more package quantity record(s) present in the 'PQT' file for each package label record present in the PLR file.
- No duplicate package quantity records should be present in the 'PQT' file considering the key fields of this record.
- All PQT records with the Saturation – ECR Rate Category (A) require one or more associated Walk Sequence (WSR) records or the job will fail validation.

**PDR**: (required only if Seamless Indicator on the segment record is set to "Y")

- PDR files are required and validated only when the Seamless Acceptance Indicator in the segment record (position 261) value is "Y". Otherwise, this file is not processed.
- If this optional file is included, the header file must have the correct record count and file status.
- No duplicate piece detail records should be present in the 'PDR' file considering the key fields of this record.

**SNR**: (optional for all presentation categories)

- Because the 'SNR' records are optional, there can be one or more seed name record(s) present in the 'SNR' file for each package quantity record present in the PQT file.
- No duplicate seed name records should be present in the 'SNR' file considering the key fields of this record.

**SFR**: (optional for all presentation categories)

- Because the 'SFR' records are optional, there can be exactly one special fees/chrg record present in the 'SFR' file for each piece detail record present in the PDR file.
- No duplicate special fees/chrg records should be present in the 'SFR' file considering the key fields of this record.

**IAK** (optional)


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- If this optional file is included, the header file must have the correct record count and file status.

#### 3.4.1.4 Validation Log Errors

If your job fails the validation process, an error message appears. To determine why the validation failed, write down the error message, and then inspect the log file written by File Validator. If you have not changed the name and location of the Validation Log file (see Section 3.4.1, Validating Files), its default is `C:\Validation.log`.

Use a text editor or other tool to view the log file.

**NOTE**: The Validation Log file is a simple (flat) ASCII file. To view it, use a text editor, such as Microsoft® WordPad, available with most versions of Microsoft Windows® operating system. For example, if you use WordPad to view the Validation Log file, use these steps:

1. Click **Start** and select **Run**. The Run dialog box opens.

2. In the **Open** box, type **wordpad** and click **OK** to open the WordPad window.

3. From the **File** menu, select **Open** to open the Open dialog box.

4. Ensure that "C:" appears in the Look in box. If it does not, select it from the list.

5. In the **File name** box, type **validation.log**, then click **Open**. WordPad opens the file and displays error messages from the oldest to most recent.

   Scroll through the list of error messages and write down the error message you received for your job. If the File Validation Log entry(s) indicates that your mailing job (Mail.dat file) did not pass validation, you will need to analyze the Mail.dat file. If you produced your mailing file using a third-party vendor's software product, you will probably need to contact them for help in resolving the problem. If you produced the mailing file using 'in-house' software, you will probably need to analyze the file or contact technical resources to help you resolve the problem. Some customers use a third-party Mail.dat viewer to analyze their Mail.dat files to resolve problems. Other customers analyze the Mail.dat file using a text editor capable of counting lines and character positions.

For a complete listing of error messages that appear in the Validation.log file, see Appendix E. Error Messages.

### 3.4.2 Performing the File Transfer

Before transferring your jobs to the Postal Service, you should first validate your files. For more information, see Section 3.4.1, Validating Files.

To transfer Mail.dat job files manually:

1. On the left menu bar, click **File Transfer**. You will probably see a Security Warning message. If you do not see it, minimize or move the browser window—it may be hiding the message. Click **Yes**. If you do not click Yes, or if you click No, you cannot transfer files to the *PostalOne!* system. The File Transfer page displays the "All Folders" and "File Contents of" panes.

2. The "All Folders" pane on the left displays your computer's local hard drives (usually A, C and D). Click the plus sign (+) next to the drive on which your jobs are saved.

3. In the "All Folders" pane, scroll up or down to locate the folder in which your job is saved.

4. Select the proper folder by clicking the folder name. The "File Contents of" pane on the right displays the job header files.


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**NOTE**: If the folder containing your job is in a subfolder, click the plus sign (+) next to the main folder to display the subfolders. From the subfolders, locate and select the appropriate folder.

5. In the "File Contents of" pane, select the header file of the job you want to transfer.

   **NOTE**: All files associated with a mailing job are transferred as a result of selecting the header file. To transfer multiple jobs simultaneously, hold down the CTRL key and click the header files of the jobs one at a time to select them.

6. Once you have selected the job header file(s), you can determine the location and name of the log file, just as you did when using the File Validator. To do this, click **Validation Log File**. By default, the File Validator writes the results to `C:\Validation.log`.

7. Click **Transfer file(s)** to begin the transfer. While the file is transferring, you see a blue status bar beneath the "File Contents of" pane indicating transfer progress.

8. After your job has transferred, a message indicating the transfer status appears. Click **OK** to close the message and continue working. If you are transferring multiple jobs, the transfer message appears after each job is transferred. When each message appears, click **OK** to continue working. **NOTE**: If you do not click **OK** to close the message, the remaining jobs *will* continue to transfer in the background.

9. To check the status of your transferred jobs, click **Transfer Summary**.

**Check File Transfer and Upload Status**

To check transferred job and file upload status:

1. On the File Transfer page, click **Transfer Summary**. The Job Status page opens. It does not initially display recently transferred jobs. To display recently transferred jobs, click the **Refresh** button at the top-right of the table.

   **NOTE**: In the Job Status column, jobs are reported as "successful," "In progress," or "failed." If your job is "failed," see Section 3.4.1.4, *Validation Log Errors*.

2. By default, the Job Status page displays the first eight jobs. To view the next eight jobs, click **Next 8** at the bottom of the page.

   **NOTE**: To view more or fewer records per page, select a number from the Show records drop-down list.

3. To check file upload status, click a Job ID in the Jobs column or enter the Job ID in the **Search Job ID** box, then click **Search**.

   The Job Detail page displays all files associated with the selected job, file upload date and time, and upload status.

   **NOTE**: The Completed Job column will either list the date and time at which a file was successfully uploaded, or report the file upload as "Failed" or "In progress."

4. To view the status of a file's progress, click the file name in the File (Click **F** for Errors) column. A message box displays error details.

5. To close the message and continue working, click **Close**.

6. If your mailing job was not transferred successfully, you should check the Transfer Summary and the Validation Log file.

7. If the Transfer Summary or Validation Log file entry(s) indicates that your mailing job (Mail.dat file) was not transferred successfully, you will need to analyze your Mail.dat file. If you produced the


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mailing file using a third-party vendor's software product, you will probably need to contact them for help in resolving the problem. If you produced the mailing file using 'in-house' software, you will probably need to analyze the file or contact technical resources to help you resolve the problem. Some customers use a third-party Mail.dat viewer to analyze their Mail.dat files to resolve problems. Other customers analyze the Mail.dat file using a text editor capable of counting lines and character positions.

### 3.4.3 Adjusting Memory Limits for Manual Transfers

**NOTE**: It is only necessary to adjust memory limits if attempts to transfer large files result in an "Out of Memory" error. Do not increase memory size unless necessary.

In manual transfers, customers use the File Transfer applet in the *PostalOne!* system to upload Mail.dat files. Java plug-in technology extends browser functionality to allow applets to run under Sun Microsystem's Java Runtime Environment (JRE) rather than the default browser JRE. The default memory limit for Java plug-ins is usually around 60-90MB. When the users upload Mail.dat jobs with large file sizes, the Java plug-in runs out of memory, causing the upload process to fail with an "Out of Memory" error. To resolve the issue, modify the memory settings used by the Java plug-in to a higher number. This does modify the limits for the plug-in for all applications, not just the *PostalOne!* system.

The steps to adjust memory limits are:

1. Verify the version of Java plug-in currently installed. The steps to follow vary based on your Java version.

2. Verify your machine has sufficient memory to increase the memory limits. Do not modify memory limits if your machine lacks sufficient memory.

3. Increase memory limits. For Java plug-in versions 1.4.2_x, follow the steps in Section 3.4.3.3. For all later Java plug-in versions, follow the steps in Section 3.4.3.4.

#### 3.4.3.1 Verifying Java Installation

Visit the Java web site (http://www.java.com/en/download/installed.jsp) to verify/update the version of java installed on the computer. Accordingly, refer to section 3.4.3.3 for the steps to increase the memory limit, if the java version installed is 1.4.2_x (where x is any number). If the java version installed is 1.5.x or 1.6, refer to section 3.4.3.4.

#### 3.4.3.2 Verifying Memory

You must know how much RAM the transfer computer has before increasing memory limits. To check the amount of RAM on a Windows machine, left-click **My Computer** on the your desktop, then click **Properties**. The computer must have at least 512 MB RAM before you increase memory limits.

#### 3.4.3.3 Increasing Memory Limits for Java 1.4.2_x

To increase the memory limit for Java version 1.4.2_x:

1. Close any open browser windows, including any *PostalOne!* windows.

2. On the Windows taskbar, click the **Start** button, then click **Control Panel**.

3. Double-click the Java Plug-in icon.

   **NOTE**: Dependent on your Control Panel settings, you may need to click **Other Control Panel Options** to display the Java Plug-in icon.

4. Click the **Advanced** tab.


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5. Click the **Java Runtime Parameters** box, then enter: `-Xmx512m`

6. Click the **Browser** tab. If the check box is not selected, select the check box for the browser used to access the *PostalOne!* Web site.

7. Click **Apply**, then close the Java Plug-in dialog box.

8. Retry the transfer.

9. If the "Out of Memory" error reoccurs, repeat this process to increase the memory value further, but use a memory limit other than 512 in step 5. For example, set the runtime parameter to `-Xmx768m` to use 768 MB, then retry the upload process.

   **NOTE**: Ensure that any memory limit entered is less than the amount of physical memory (RAM) on the client machine.

#### 3.4.3.4 Increasing JAVA Memory Limits for Java 1.5.x or 1.6

To increase the memory limit for Java versions 1.5.x and 1.6:

1. Close any open browser windows, including any *PostalOne!* windows.

2. On the Windows taskbar, click the **Start** button, then click **Control Panel**.

3. Double-click the Java Plug-in icon.

   **NOTE**: Dependent on your Control Panel settings, you may need to click **Other Control Panel Options** to display the Java Plug-in icon.

4. Click the **Java** tab, then under Java Applet Runtime Settings, click **View**. A dialog box appears listing all Java Runtime Versions.

5. Click the most recent JRE version, then double-click the Java Runtime Parameters box for the selected line. Enter: `-Xmx512m`

6. Click **OK**.

7. Click **OK** again to close the Java dialog box.

8. Retry the transfer.

9. If the "Out of Memory" error reoccurs, repeat this process to increase the memory value further, but use a memory limit other than 512 in step 5. For example, set the runtime parameter to `-Xmx768m` to use 768 MB, then retry the upload process.

**NOTE**: Ensure that any memory limit entered is less than the amount of physical memory (RAM) on the client machine.

# 4 Batch Processing

Batch processing allows you to schedule file transfers to take place automatically. Once batch processing is set up, you do not need to be present for the file transfer to take place. This capability requires additional infrastructure and configuration work.

When using the Batch Processor, the *PostalOne!* servers return file transfer/upload status feedback to the sender's workstation automatically. The feedback information (receipt file) is written to the sender's workstation in either a delimited ASCII text or XML format file. You can load the receipt file into a


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spreadsheet or a database for storage and viewing. A receipt file is saved in the same directory that contains your mailing jobs. For a detailed explanation of the contents of a receipt file and associated record types and format, see Appendix C. Status Receipt File Layout and Appendix D. Postage Statement Receipt File Layout.

## 4.1 Prerequisites for Batch Processing

### 4.1.1 Hardware

For batch file transfers using UNIX, the minimum workspace requirements are a workstation with a 1 GHz processor and 256 MB RAM. For batch file transfers using Windows XP, the minimum workstation requirements are a Personal Computer (PC) with a Pentium IV 1 GHz processor and 256 MB RAM. The exact RAM requirements vary depending on the size of the Mail.dat job. Table 4-1 details the RAM requirements.

**NOTE**: The Batch Processor can also be run on machines with HPUX operating systems.

**Table 4-1. RAM Requirements Based on Net Job Size**

| Net Size of Mail.dat Job (MB) * | Recommended Physical RAM |
|---|---|
| 0 – 10 | 64 MB |
| 11 – 25 | 128 MB |
| 26 – 50 | 256 MB |
| >50 | >1024 MB |

* The net size of a Mail.dat job is calculated as the "total size of all files" associated with a job, minus the size of the PQT, SNR, and PDR files.

For Mail.dat jobs with a large total file size, file transmission may result in an “Out of Memory” error. To resolve this issue, modify the JVM memory arguments, then retry the transmission. For more information on how to modify the memory settings for batch processing, see Section 4.1.8.

**NOTE**: These memory requirements are for a single thread; when sending multiple simultaneous jobs, use the sum of all net sizes to estimate memory requirements.

### 4.1.2 Software

The following software is required to use the Batch Processing functionality:

- Operating System – Microsoft Windows XP for PCs or Sun Solaris 2.6 for UNIX Workstations.
- Java Software – Sun Microsystems Java Runtime Environment (JRE) or SDK, latest revision of Version 1.4.2 or greater.

  This is available from Sun Microsystems, Inc. at http://java.sun.com/products/archive/index.html. Select Java 2 JRE or SDK, Version 1.4.2 or greater. Review and accept the download terms and conditions. Next, select the JRE or SDK that corresponds to your operating system configuration. Then select a “Typical” installation, and note the directory to which the Java software is installed (e.g., `C:\program files\java\j2re1.4.1\bin`).
- Scheduling software – software that lets you schedule batch processing of your mailing files to run on the dates and at the times you require. The default scheduling utility for the operating system on the machine you use to send mailing files (e.g., cron/UNIX or “AT” task scheduler/Windows XP) may work.
- Digital Certificate – get and install a digital certificate for each server that is used to send mail files. For more information, see Section 4.1.6, Digital Certificates/Security.


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### 4.1.3 Network

The Batch Processor software uses the http/https protocol to communicate through port 444. If firewall settings prevent http/https communication through port 444, reconfigure the firewall to allow this traffic.

### 4.1.4 Downloading and Configuring the Windows Batch Processor

To download and configure the Windows Batch Processor:

1. Launch Windows Explorer and in your root directory, create a *PostalOne!* Batch Processor installation directory. This is where you will place the batch processor software.

   **NOTE**: Give the folder a name that you will readily remember, such as: `C:\MAILDAT`.

2. Log on to the *PostalOne!* system, http://www.uspspostalone.com/.

3. On the left menu bar, click **Download Batch Processor** and download the following files into the installation directory:

   - WinZip file – Java archives that perform the batch processing
   - Parameters Files – Local host parameter for the batch processor

4. Extract the files from **daemon.zip**, using WinZip, into the *PostalOne!* Batch Processor installation directory (double-click the zip file and extract the contents). Once extracted, the directory should contain:

   - **daemon.jar** – Java archive file
   - **jsse.jar** – Java Secure Socket Extension (JSSE) Java archive file
   - **jcert.jar** – JSSE Java archive file
   - **jnet.jar** – JSSE Java archive file
   - **client.config** – Client configuration file that specifies parameters to connect to the *PostalOne!* system
   - **postal1.ini** – Daemon initialization file that specifies local host parameters

5. Copy the three JSSE archive files to the extension library ( …\lib\ext ) directory created when the Java JRE / SDK software was downloaded and installed:

   For example:

   - Java Runtime Environment - C:\Program Files\JavaSoft\JRE\1.4\lib\ext
   - Java 2 SDK - C:\jdk1.4\jre\lib\ext

6. Create a "Repository" subfolder in the *PostalOne!* batch processor installation directory.

   This folder is a repository for your Mail.dat files. For example: `C:\MAILDAT\Repository`.

7. Create two subfolders in the new repository folder—one for successful transmissions and one for unsuccessful transmissions. For example: `C:\MAILDAT\Repository\Successful` and `C:\MAILDAT\Repository\Unsuccessful`. The batch processor deposits transmission files in these folders as each job is processed.

8. Edit the hostName parameter of the client.config file to connect to the desired server. Use your preferred text editor, such as Notepad, to edit the client.config file.

   - To connect to the Customer Acceptance Test (CAT) environment, set:
     `hostName = upload9.uspspostalone.com`


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- To connect to the Production environment, set:
  `hostName = upload1.uspspostalone.com`

The default hostName connects to the Production environment.

9. After you have created all three subfolders, edit the `Postal1.ini` file using Notepad, for example, and make the following modifications to the [Repository] section to reflect the directory structure you created above.

```
[Repository]
RepositoryLocation=C:\MAILDAT\REPOSITORY
SuccessfulRepositoryLocation= C:\MAILDAT\REPOSITORY\SUCCESSFUL
UnSuccessfulRepositoryLocation= C:\MAILDAT\REPOSITORY\UNSUCCESSFUL
```

**NOTE**: `Postal1.ini` is located in your batch processor installation directory (i.e. `C:\MAILDAT`).

The parameters required to efficiently use the *PostalOne!* system are provided in the table below.

**Table 4-2. Postal1.ini Parameters for Windows**

| Parameter Name | Valid Values | Default | Description |
|---|---|---|---|
| MaximumOpenThreads | 1-50 | 4 | Maximum threads that can be open at one time |
| RepositoryLocation | Any valid directory path. | C:\postal1\data | Location of Mail.dat files waiting to be processed |
| SuccessfulRepositoryLocation | Any valid directory path. | C:\postal1 \SUCCESSFUL | Location where the Mail.dat files are moved after they are successfully processed. |
| UnSuccessfulRepositoryLocation | Any valid directory path. | C:\postal1 \UNSUCCESSFUL | Location where the Mail.dat files are moved if the processing fails. |
| ReceiptFileRepositoryLocation | Any valid directory path. | C:\postal1 \ReceiptFile | Location where the receipt files are written by the application. This is the default for both status and postage statement receipts. However, status receipts use it only if PSReceiptFileRepositoryLocation is set. |
| ReceiptFileName | Any valid file name. | Report | The name of the receipt files. Note that a unique three-digit sequence number is used to define the extension of the receipt files. |
| Delimiter | Any printable ASCII character | , | This character delimits all receipt file fields. |
| NumberOfValidationLogFiles | Any Numeric value. * | 5 | Number of validation log files that are written by the application before the first file is overwritten. |
| NumberOfServerLogFiles | Any Numeric value. * | 5 | Number of server log files that are written by the application before the first file is overwritten. |
| MaximumValidationLogLength | Any Numeric value. * | 100000 | The maximum size (in bytes) of a single validation log file. |
| MaximumServerLogLength | Any Numeric value. * | 1000000 | The maximum size (in bytes) of a single server log file. |


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| Parameter Name | Valid Values | Default | Description |
|---|---|---|---|
| SystemUsername | A valid *PostalOne!* account User Name. | Jdoe | A valid *PostalOne!* user name belonging to an active account that allows the account holder to transfer files. |
| SystemPassword | A valid *PostalOne!* account password. | Password | A valid *PostalOne!* password belonging to an active account that allows the account holder to transfer files. |
| FileType | MAILDAT or DELCON | MAILDAT | Specifies the type of file that is processed by the application. MAILDAT for transferring Mail.dat files, and DELCON for transferring e-VS manifest files. |
| StatusReceiptFilename | Any valid file name. | receipt | Determines the name of status receipt file. The *PostalOne!* system appends a three-digit number to the name, which is incremented with each new receipt. |
| PostageStatementReceiptFilename | Any valid file name. | psreceipt | Determines the name of the postage statement receipt file. The *PostalOne!* system appends a three-digit number to the name, which is incremented with each new receipt. |
| PSReceiptFileRepositoryLocation | Any valid directory path. | | Location where the postage statement receipt files (if set) are written by the application. |
| PSReceiptType | XML or DEL | | Determines the format of the postage statement receipt file, either XML or character delimited (DEL). |
| StatusReceiptType | XML or DEL | | Determines the format of the status receipt file, either XML or character delimited (DEL). |

*** NOTE**: Sufficient disk space should be available to store the number of specified files.

The parameter `MaximumSystemErrors` is no longer required in the `postal1.ini` file. If it is still there, you should remove it.

### 4.1.5 Downloading and Configuring the UNIX Batch Processor

To download and configure the UNIX Batch Processor:

1. Create a *PostalOne!* Batch Processor installation directory. The batch processor will be located in this directory. For example: `/postal1/`.

2. Log on to the *PostalOne!* system, http://www.uspspostalone.com/.

3. On the left menu bar, click **Download Batch Processor** and download the required files to your batch processor installation directory:

   - Archive file (daemon.tar) – Java archives that perform the batch processing


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- Parameter File (postal1.ini) – Local host parameters for the batch processor

4. Use tar to extract the files into the installation directory. Once extracted, the directory should contain:

   - **deamon.jar** – Java archive file
   - **jsse.jar** – Java Secure Socket Extension (JSSE) Java archive file
   - **jcert.jar** – JSSE Java archive file
   - **jnet.jar** – JSSE Java archive file
   - **client.config** – Client configuration file that specifies parameters for connecting to the *PostalOne!* system
   - **postal1.ini** – Daemon initialization file that specifies local host parameters

5. Copy the three JSSE archive files to the extension library directory ( …\lib\ext ) created when the Java software was downloaded and installed.

   For example:

   - Java Runtime environment - `j2re1_4_2/lib/ext`
   - Java 2 SDK - j2se/jre/lib/ext

6. Once the files are successfully copied or downloaded, create a “repository” subfolder in the installation directory. This folder is a repository for your Mail.dat files, for example: `/postal1/data`.

7. Create additional two subfolders—one for successful transmissions and one for unsuccessful transmissions. The batch processor deposits transmission files in these folders as each job is processed, for example: `/postal1/successful` and `/postal1/unsuccessful`.

8. Edit the hostName parameter of the client.config file to connect to the desired server. Use your preferred text editor, such as Notepad, to edit the client.config file.

   - To connect to the Customer Acceptance Test (CAT) environment, set:
     `hostName = upload9.uspspostalone.com`
   - To connect to the Production environment, set:
     `hostName = upload1.uspspostalone.com`

   The default hostName connects to the Production environment.

9. After you have created all three subfolders, edit the postal1.ini file and make the following modifications to the [Repository] section to reflect the directories you created:

```
[Repository]
RepositoryLocation=/postal1/data
SuccessfulRepositoryLocation=/postal1/successful
UnSuccessfulRepositoryLocation=/postal1/unsuccessful
```

   **NOTE**: For UNIX servers, file paths in the postal1.ini file must be all lowercase.

The postal1.ini file is located in your initial installation directory. The parameters required to efficiently use the *PostalOne!* system are provided in the table below.

**Table 4-3. Postal1.ini Parameters for UNIX**

| Parameter Name | Valid Values | Default | Description |
|---|---|---|---|


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| Parameter Name | Valid Values | Default | Description |
|---|---|---|---|
| MaximumOpenThreads | 1-50 | 4 | Maximum threads that can be open at one time |
| RepositoryLocation | Any valid directory path. | C:\postal1\data | Location of Mail.dat files waiting to be processed |
| SuccessfulRepositoryLocation | Any valid directory path. | C:\postal1 \successful | Location where the Mail.dat files are moved after they are successfully processed. |
| UnSuccessfulRepositoryLocation | Any valid directory path. | C:\postal1 \unsuccessful | Location where the Mail.dat files are moved if the processing fails. |
| ReceiptFileRepositoryLocation | Any valid directory path. | C:\postal1 \receiptfile | Location where the receipt files are written by the application. |
| ReceiptFileName | Any valid file name. | report | The name of the receipt files. Note that a unique three-digit sequence number is used to define the extension of the receipt files. |
| Delimiter | Any printable ASCII character | , | This character delimits all receipt file fields. |
| NumberOfValidationLogFiles | Any Numeric value. * | 5 | Number of validation log files that are written by the application before the first file is overwritten. |
| NumberOfServerLogFiles | Any Numeric value. * | 5 | Number of server log files that are written by the application before the first file is overwritten. |
| MaximumValidationLogLength | Any Numeric value. * | 100000 | The maximum size (in bytes) of a single validation log file. |
| MaximumServerLogLength | Any Numeric value. * | 1000000 | The maximum size (in bytes) of a single server log file. |
| SystemUsername | A valid *PostalOne!* account User Name. | Jdoe | A valid *PostalOne!* user name belonging to an active account that allows the account holder to transfer files. |
| SystemPassword | A valid *PostalOne!* account password. | password | A valid *PostalOne!* password belonging to an active account that allows the account holder to transfer files. |
| FileType | MAILDAT or DELCON | MAILDAT | Specifies the type of file that is processed by the application. MAILDAT for transferring Mail.dat files, and DELCON for transferring e-VS manifest files. |
| StatusReceiptFilename | Any valid file name. | receipt | Determines the name of the status receipt file. The *PostalOne!* system appends a three-digit number to the name, which is incremented with each new receipt. |
| PostageStatementReceiptFilename | Any valid file name. | psreceipt | Determines the name of the postage statement receipt file. The *PostalOne!* system appends a three-digit number to the name, which is incremented with each new receipt. |


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| Parameter Name | Valid Values | Default | Description |
|---|---|---|---|
| PSReceiptFileRepositoryLocation | Any valid directory path. | | Location where the postage statement receipt files (if set) are written by the application. |
| PSReceiptType | XML or DEL | | Determines the format of the postage statement receipt file, either XML or character delimited (DEL). |
| StatusReceiptType | XML or DEL | | Determines the format of the status receipt file, either XML or character delimited (DEL). |

* **NOTE**: Sufficient disk space should be available to store the number of specified files.

The parameter `MaximumSystemErrors` is no longer required in the `postal1.ini` file. If it is still there, you should remove it.

### 4.1.6 Digital Certificates/Security

The *PostalOne!* system uses the Secure Sockets Layer (SSL) version 3.0 to transfer files securely over the Internet. SSL is a secure enhancement to the standard Transmission Control Protocol/Internet Protocol (TCP/IP). It uses a combination of cryptographic processes to authenticate the host computers and to encrypt and decrypt data transferred between them. To transfer files securely (Batch only) with the *PostalOne!* system, complete the following tasks to permit SSL to operate on your host system:

1. Create a Keystore
2. Create a Certificate Signing Request
3. Submit your CSR and procure a Digital Certificate
4. Add the Signed Certificate to your Keystore
5. Enable Encryption on the Batch Processor Client
6. Test your Signed Certificate
7. Test the Batch Processor Setup

Each of these steps is discussed in detail below.

#### 4.1.6.1 Creating a Keystore

A *keystore* is a file that contains a digitally signed certificate. The Batch Processor file transfer system uses this certificate to verify the name of your host computer before accepting files from it.

To create a keystore, use the **keytool** utility that is part of the Java JRE/SDK software you downloaded earlier. You will need to know the following information to create a keystore:

- The *fully-qualified* domain name of your file transfer computer (i.e., ARLNVAUX002.usps.gov)

  **NOTE**: The common name must match the domain name.
- The name of your organizational unit (i.e., Marketing)
- The name of your organization (i.e., United States Postal Service)

  **NOTE**: The formal name must be alphanumeric characters (no @ or &, for example).
- The city, state or province, and two-character country code of your location.


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An example of creating a keystore follows: (**NOTE**: Use the directory where the keytool software utility resides.)

C:\(directory of keytool java software)> **keytool -genkey -alias postalone -keystore p1keys -keyalg rsa**

**NOTE**: You must specify **-keyalg rsa** when creating a keystore for use with the *PostalOne!* system. The *PostalOne!* system uses the RSA signature algorithm for signing certificates.

Enter keystore password: **postal1** (for example)

What is your first and last name?

[Unknown]: **ARLNVAUX002.usps.gov**

What is the name of your organizational unit?

[Unknown]: **Marketing**

What is the name of your organization?

[Unknown]: **United States Postal Service**

What is the name of your city or locality?

[Unknown]: **Arlington**

What is the name of your state or province?

[Unknown]: **Virginia**

What is the two-letter country code for this unit?

[Unknown]: **US**

Is <CN=ARLNVAUX002.usps.gov, OU=PostalOne, O=United States Postal Service, L=Arlington, ST=Virginia,C=US> correct?[no]:

[Unknown]: **y**

Enter key password for <postalone>

(RETURN if same as keystore password):

**NOTE**: Record your keystore password in a safe place. You will need it in subsequent steps.

### 4.1.6.2 Creating Certificate Signing Requests

Use **keytool** to create your certificate signing request (CSR).

**NOTE**: Use the directory where the keytool software utility resides.

C:\(directory of keytool java software)>**Keytool –certreq –alias postalone – keystore p1keys –file p1req.txt**

Enter keystore password: **postal1** (for example)

Your CSR is contained in the file p1req.txt.

### 4.1.6.3 Submitting Your Certificate Signing Request

You must now submit your CSR for digital signing, i.e., procure a digital certificate. Currently, the *PostalOne!* system uses digital certificates issued by VeriSign. To obtain a certificate, go to http://www.verisign.com/products/site, and obtain a basic **40-bit SSL Secure Server ID** for each machine that will send batch files to the *PostalOne!* system.

**NOTE**: Your digital certificate generally expires after one (1) year. You need to renew it after that.


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### 4.1.6.4 Adding a Signed Certificate to a Keystore

After you submit a CSR to VeriSign, you will receive a digitally signed certificate. You must then add this signed certificate to your keystore. The file transfer system uses this signed certificate to verify the identity of your host computer before accepting any files from it.

Begin by getting the reply certificate from VeriSign and copying it into a text editor. It should look similar to the following example:

-----BEGIN CERTIFICATE-----

```
MIICdjCCAiACEBKVRKjE/nsXwEii3fN6k9AwDQYJKoZIhvcNAQEEBQAwgakxFjAU
BgNVBAoTDVZlcmlTaWduLCBJbmMxRzBFBgNVBAsTPnd3dy52ZXJpc2lnbi5jb20v
cmVwb3NpdG9yeS9UZXN0Q1BTIEluY29ycC4gQnkgUmVmLiBMaWFiLiBMVEQuMUYw
RAYDVQQLEz1Gb3IgVmVyaVNpZ24gYXV0aG9yaXplZCB0ZXN0aW5nIG9ubHkuIE5v
IGFzc3VyYW5jZXMgKEMpVlMxOTk3MB4XDTAyMDMwNDAwMDAwMFoXDTAyMDMxODIz
NTk1OVowgY4xCzAJBgNVBAYTAlVTMREwDwYDVQQIEwhWaXJnaW5pYTESMBAGA1UE
BxQJQXJsaW5ndG9uMSUwIwYDVQQKFBxVbml0ZWQgU3RhdGVzIFBvc3RhbCBTZXJ2
aWNlMRIwEAYDVQQLFAlQb3N0YWxPbmUxHTAbBgNVBAMUFEFSTE5WQVdaMTg0LlVT
UFMuR09WMIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQDGzthcIrSzSHFHl3x1
ojzhPjacRUSH1vAuk8SZN1VVRrwi76dl4VqtsGpMD/YjmmMbN1fwgTFm6rfpmRXF
rWbQaMe9aB6EPZPwOhpEYdTY3Z9QpOwyKdu6amCwyQzUKkNV7sOeycSe+e9cW4JK
0Koxey14YvLkEu03DHGi0zQ0BwIDAQABMA0GCSqGSIb3DQEBBAUAA0EAv5bA+oCG
AzzhZsMiclS2O3liuVN3ppLrRU+DdCvi6otcpC0xUYVYjXFi83POzgjmdr0RJt2g
QSWT9fCoL28lgA==
-----END CERTIFICATE-----
```

Ensure the certificate context (the text between the BEGIN CERTIFICATE line and the END CERTIFICATE line) has no spaces or return characters when copying and pasting. If there are any spaces or return characters, delete them. **Put one and only one new line (i.e. carriage return) without any space after the END CERTIFICATE line. Then save the file (e.g., p1cert.txt).**

After you have saved the signed certificate, use **keytool** to import your certificate into your keystore. **NOTE**: Use the directory where the keytool software utility resides.

C:\(directory of keytool java software)>**keytool -import -trustcacerts -file p1cert.txt -alias**

**postalone -keystore p1keys**

Enter keystore password: **postal1** (for example)

**Certificate was added to keystore**

Now use keytool to verify that your signed certificate is in your keystore:

C:\postalone>**keytool -list -keystore p1keys -alias postalone -v**

Enter keystore password: **postal1** (for example)

Alias name: **postalone**

Creation date: Wed Oct 29 11:41:01 EDT 2003

Entry type: trustedCertEntry

Owner: CN=ARLNVAUX002.usps.gov, OU= Marketing, O=United States Postal Service, L=Arlington, OID.2.5.4.17=94497, ST=VA, C=US

Issuer: CN=USPS CA, OU=www.usps.com/CPS, O=United States Postal Service, C=US

Serial number: 2895

Valid from: Tue Oct 28 14:08:07 EDT 2003 until: Wed Oct 27 14:08:07 EDT 2004


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Certificate fingerprints:

MD5: 69:2C:04:E3:B7:F1:A9:1F:DE:FD:0E:36:A2:1B:FF:12

SHA1:E5:91:36:25:76:2B:CA:E0:DF:DD:3C:2B:91:E8:3B:97:B3:E6:8D:CE

**NOTE**: In the example, the certificate is valid for one year, then it expires.

### 4.1.6.5 Enabling Encryption on the Batch Processor Client

To enable the batch processor client secure file transfer feature, you must copy your keystore file to the directory in which you have installed the batch processor client software. You must also edit the `client.config` file. The client.config is already located in the directory in which you have previously installed the batch processor client software.

After copying your keystore file (for example, p1keys) to the directory containing the batch processor client, edit the client.config file. To enable encryption, you must set the **encryption** parameter to **true**. You must also supply the name of your **keystore** file and its corresponding **password**. When you are finished, these entries should look similar to the following example:

encryption = **true**

keystore = **p1keys**

password = **postal1** (for example)

### 4.1.6.6 Testing Your Signed Certificate

Your batch processor client software gives you the ability to test the installation of your certificate. This test is performed from the command prompt on your local file transfer host.

To test the installation of your signed certificate, make sure the **encryption** parameter of your client.config file is set to **true**. Then execute the following command.

**NOTE**: Use the batch processor installation directory.

C:\(batch processor installation directory)>**java –cp Daemon.jar Daemon -testlocal**

If your certificate is valid and is installed properly, you will see the following:

Local Server Listening for Client Connection

Response Code is : 200

Response Message is : OK

This (Certificated) Local Connection test is SUCCESSFULL!

### 4.1.6.7 Testing Batch Processor Setup

The batch processor client software also lets you test that the batch processor has been set up correctly and can communicate with the *PostalOne!* system. This test is run from the command prompt on your local file transfer host.

**NOTE**: Use the batch processor installation directory.

C:\(batch processor installation directory)>**java –cp Daemon.jar Daemon -testremote**

## 4.1.7 Scheduling Batch Jobs (Running the Batch Processor)

To have your jobs run automatically, use a scheduling utility/program that allows you to set the date and time the batch file transfer processor runs. Copy or move the mailing files into the repository directory



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before the batch job executes. To run the batch processor application, you invoke it at the command prompt. For example:

**java –cp C:\<dir>\daemon.jar Daemon**

Where **<dir>** is the directory containing the Java archive file (daemon.jar), the Daemon initialization file (postal1.ini), and client configuration file (client.config).

### 4.1.8 Adjusting Memory Limits for Batch Transfers

**NOTE**: It is only necessary to adjust memory limits if attempts to transfer large files result in an "Out of Memory" error. Do not increase memory size unless necessary.

When the users upload Mail.dat jobs with large file sizes, the computer sending the files (the client) may run out of memory, causing the upload process to fail with an "Out of Memory" error.

To resolve the issue, first verify the amount of memory available on the client computer is sufficient. Next, edit the client.config file to use a larger value for maximumHeapSize, such as 512 (512 MB). The client.config file is located in the batch processor installation directory. For example:

```
maximumHeapSize=512
```

Save and exit the client.config file, then retry the transfer. If the Out of Memory error reoccurs, increase maximumHeapSize to a higher number. For example, set maximumHeapSize=768 to use 768 MB, then retry the upload process.

**NOTE**: Ensure that any memory limit entered is less than the amount of physical memory (RAM) on the client machine.

## 4.2 File Transfer Error Codes and Messages

When you transfer mailings, the system records error codes and descriptive messages. If you transferred the mailing using the manual process or the batch process, you can retrieve the error messages using the File Transfer page and selecting the **Transfer Summary** option.

Additionally, if you transferred the mailing using the batch process, error messages are stored in the folder/directory used as the installation folder/directory for batch file transfers.

The list of file error messages is in Appendix E. Error Messages.

# 5 Customer Support

The *PostalOne!* program has a staffed Customer Care Center (help desk) to assist customers who may have questions or need assistance with a problem or technical issue with the *PostalOne!* system. The *PostalOne!* Customer Care Center is available Monday through Friday from 8:00 a.m. to 5:00 p.m., CST, and can be contacted via e-mail or telephone. You can also call the telephone number below for after-hours assistance with some issues. Our after-hours staff will forward unresolved issues to the Customer Care Center at the beginning of the next workday.

Customer Care Center Telephone **(800) 522-9085**

Customer Care Center e-mail **postalone@email.usps.gov**

If you experience any difficulties when using the *PostalOne!* system, have questions, or need more information about the *PostalOne!* system, contact the Customer Care Center. Your calls will be answered by the Customer Care Center in a priority order, with preference given to fully enrolled customers having a signed *PostalOne!* user agreement on file.


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# Appendix A. Mail.dat File Definitions

This appendix contains the names and definitions of each file used in Mail.dat. (Source: IDEAlliance *Users' Guide for Mail.dat, Version 09-1*)

**Table A-1. Mail.dat Files and Definitions**

| File | Definition |
|---|---|
| Header file (.HDR) | The Header file is an introduction to the entire Mail.dat. It identifies who created the file, what version of the IDEALLIANCE standard was used (ensuring compatibility with other users), and when the file was created. Most importantly, it identifies the total file record count for each file type. If the quantity fields in the Header record say there are a differing number of records than received, it is the first indication that the file is incomplete and, therefore, invalid. The presort software used, history of who has touched this Mail.dat, and other information is also in the Header. |
| Segment file (.SEG) | The Segment file is used to identify all of those addresses that are considered as a group within a presort. It separates parts of a mailing that require different processing. The specification notes:<br>In general, the fewer the segments in a Mail.dat, the better. It is only appropriate to create a unique segment when it is needed to separate part of a mailing for different processing. Segmenting should not be used to differentiate among entry points unless they will need to be processed in some fundamentally different fashion. Similarly, segmentation should not be used to create reporting categories from information that is otherwise available in the Mail.dat.<br>The Segment file identifies the class and characteristics of the mail preparation for each Segment. |
| Mailpiece Unit file (.MPU) | The Mailpiece Unit file contains the physical description of the whole mailpiece in terms of physical attributes, such as dimensions and ad percentages. Often, there is a single MPU within a Segment. A Mailpiece Unit ID cannot cross Segment; however, co-mingled mail, selectively inserted letters, and selectively bound catalogs/periodicals can have multiple Mailpiece Units associated with one segment. Another example of where there might be multiple Mailpiece Units in one segment is if multiple editions are produced in separate processes, but staged onto the same pallets on the backend in order to be presented as part of one mailing. |
| Mailer Postage Account (.MPA) | The Mailer Postage Account file describes the mailer's permit and account information, including the payment method to be used and any special authorizations. |
| Component file (.CPT) | The Component ID file is used to define those parts of a Mailpiece Unit by the mail class for which they qualify. For example, a magazine is in the mail class of Periodicals. However, the publisher may decide to have a mailpiece that's ineligible for Periodicals rates to be attached to the front of the magazine. The ineligible mailpiece might be a Standard Mail™ piece. Each of these parts would be identified with a separate Component record that is linked to the appropriate MPU. |
| MPU/Component Relationship file (.MCR) | The MPU/Component Relationship file is a table relating the two variables. Like the MPU and Segments relationships, often there is a one-to-one relationship with an MPU and a Component. However, as described in the above file definition, there are exceptions. Periodicals with First-Class Mail attachments and Periodicals with Standard Mail enclosures are two examples. |


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| File | Definition |
|---|---|
| Container Summary file (.CSM) | The Container Summary file identifies each container, its level, its destination, the point of entry and the contents in terms of rates, copies, pieces and weight. Pallets, sacks, and trays are containers. There will be one Container Summary per container. |
| International Container Label file (optional) (.ICL) | The International Container Label file container label file contains label information for each USPS international mail container. This file also has unique subsections applicable only to USPS international mail. |
| Container Quantity file (.CQT) | The Container Quantity file supplies quantitative details about the content of each container. It summarizes the contents of each container in terms of MPUs, zones, and rate categories. It also supplies copy and piece counts at this level of detail. Unlike the usually limited relationship of MPU/Segment, and Component /MPU, it is expected that there will be a great number of Container Quantity records linked to the same Container Summary. |
| Package Quantity file (optional) (.PQT) | The Package Quantity file presents a finer level of detail defining the quantity, rate, weight, and package destination for every package in a container. Although optional, this file is required for MLOCR mailings, or if the application is to produce a standard USPS Qualification report and/or provide input to the USPS *PostalOne!* system. For Periodicals mailings, this file is required for production of the PS Form 3541 postage statement, qualification report, and bundle report. |
| Walk Sequence file (optional) (.WSR) | The Walk Sequence file provides detail for carrier route packages in a Walk Sequence mailing: package ZIP Code, carrier route number, walk sequence type, total stops made, and total possible stops. |
| Seed Name file (optional) (.SNR) | The Seed Name file provides the precise container, package, entry, version, etc. that applies to the respective Seed Names within the mailing. For those mailers who use seed addresses such as subscriber reporters or mail monitors, this file can be supplied by the presort provider to support communications regarding the total tracking program. |
| Package Label file (optional, Canadian only) (.PLR) | The Package Label file, like the Container Label file, is information to be used to print Canadian package labels (facing slips). |
| Ink Jet/Container Relationship file (optional) (.ICR) | The Ink Jet/Container Relationship file defines the specific location of each container on the associated ink jet tapes or transmitted files. |
| Piece Detail file (optional) (.PDR) | The Piece Detail file is used by “manifest” mailing procedures and is processed only if the Seamless Indicator (position 261 of the .seg) is “Y”. |
| Special Fees and Charges file (optional) (.SFR) | The Special Fees and Charges file can represent various fixed and weight-variable special fees and charges for any or all of the respective piece details within the mailing. Examples are Insured, Delivery Confirmation, and Signature Service. |
| Manifest Individual file (optional) (.MIR) | The Manifest Individual file is used for “manifest” mailings, especially suitable for parcels. |
| Manifest Summary file (optional) (.MSR) | The Manifest Summary file is used for “manifest” mailings, where there is repetition of item characteristics, which lends itself to “summarized” presentation, rather than an individual PDR record for every piece. |
| Postage Adjustment file (optional) (.PAR) | The Postage Adjustment file defines any postage adjustments required to be made, as compared to the anticipated production specifics as supplied within the Mail.dat. An example would be a penalty for too many unreadable barcodes. |
| Information Access Key (optional) (.IAK) | Identifies the mailing agents assigned to each business role for each unique MPU and CPT record set. |


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# Appendix B. Mail.dat Field Validation

This appendix contains the field validations the *PostalOne!* system enforces for Mail.dat, separated by the record containing the field(s). Although very close, these are not identical validations to the Mail.dat version 08-2 specification; rather, this is how the *PostalOne!* system validates the fields.

The following conventions will apply for each data type in the respective fields as indicated, except as noted in specific record layouts.

- Alphanumeric = Left-justify these fields, and fill the right with spaces. For example, KC123ID should be “KC123ID  ”.
- Numeric – Right-justify these fields, and fill the left with zeroes. For example, 123 should be “00123”.
- Numeric Decimal – For some fields, a decimal place is automatically added to the field. Fill smaller numbers with zeroes if necessary to place the decimal in the correct location. For these fields, this guide uses the letter “v” to indicate where the decimal appears. For example, to fit in a field marked as 99v9999, the value 1.23 should be “012300”.

If a field does not require the use of conventional values and is not used in the mailing, then use a space-filled field.

## Header Record

**Table B-1. Header Record - .HDR**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| IDEAlliance Version | 09-1 or 08-2 | |
| Header History Sequence Number | Numeric | |
| Header History Status | C, H | |
| Historical Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Licensed User’s Job Number | Alphanumeric | |
| Job Name/Title & Issue | Alphanumeric | |
| File Source | Alphanumeric | |
| User License Code | Alphanumeric | |
| Contact Name | Alphanumeric | |
| Contact Telephone Number | Telephone Number | No “000” area codes. Example: 9999999999 |
| Date Prepared | Date | YYYYMMDD - Example: 20061225 |
| Time Prepared | Time | HH:MM – Example: 13:30 |
| Segmenting Criteria | Alphanumeric | |
| Segment Record Count | Numeric | |
| Segment File Status | O,C,D,U,N | |
| Mail Piece Unit Record Count | Numeric | |
| Mail Piece Unit File Status | O,C,D,U,N | |
| MPU / C Relationship Record Count | Numeric | |
| MPU / C Relationship File Status | O,C,D,U,N | |
| Mailer Postage Account Record Count | Numeric | |
| Mailer Postage Account File Status | O,C,D,U,N | |
| Component Record Count | Numeric | |
| Component File Status | O,C,D,U,N | |


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| Field | Acceptable Values | Notes |
|---|---|---|
| Container Summary Record Count | Numeric | |
| Container Summary File Status | O,C,D,U,N | |
| International Container Label Count | Numeric | |
| International Container Label Status | O,C,D,U,N | |
| Container Quantity Record Count | Numeric | |
| Container Quantity File Status | O,C,D,U,N | |
| Package Quantity Record Count | Numeric | |
| Package Quantity File Status | O,C,D,U,N | |
| Walk Sequence Record Count | Numeric | |
| Walk Sequence File Status | O,C,D,U,N | |
| Seed Name Record Count | Numeric | |
| Seed Name File Status | O,C,D,U,N | |
| Package Label Record Count | Numeric | |
| Package Label File Status | O,C,D,U,N | |
| IJ / C Relationship Record Count | Numeric | |
| IJ / C Relationship File Status | O,C,D,U,N | |
| Piece Detail Record Count | Numeric | |
| Piece Detail File Status | O,C,D,U,N | |
| Special Fee/Charge Record Count | Numeric | |
| Special Fee/Charge File Status | O,C,D,U,N | |
| Manifest Individual Record Count | Numeric | |
| Manifest Individual File Status | O,C,D,U,N | |
| Manifest Summary Record Count | Numeric | |
| Manifest Summary File Status | O,C,D,U,N | |
| Postage Adjustment Record Count | Numeric | |
| Postage Adjustment File Status | O,C,D,U,N | |
| Information Access Key Record Count | Numeric | |
| Information Access Key File Count | O,C,D,U,N | |
| XML PDR File Status | Y,N | |
| Mail.dat Presentation Category | P,M,I,S,N | |
| Mail.dat Software Vendor Name | Alphanumeric | |
| Mail.dat Software Product's Name | Alphanumeric | |
| Mail.dat Software Version | Alphanumeric | |
| Mail.dat Software Vendor's Email | Alphanumeric | |
| Licensed User's Email | Alphanumeric | |
| Zone Matrix Date | Date | YYYYMMDD - Example: 20061225 |
| Event Manager Audit Code | Alphanumeric | |
| Software Vendor's ZAP Option | Numeric | |
| Presort Software Vendor Name | Alphanumeric | New for 09-1. |
| Presort Software Product Name | Alphanumeric | New for 09-1. |
| Presort Software Version | Alphanumeric | New for 09-1. |
| Presort Software Vendor Email | Alphanumeric | New for 09-1. |
| User Option | Alphanumeric | |
| Closing Character | # | |


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## Segment Record

**Table B-2. Segment Record - .SEG**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Segment ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Segment Description | Alphanumeric | |
| Class Defining Preparation | 1,2,3,4,9,X,V,T,P | If *Principal Processing Category* is one of {LT,FL,CD,CM,MM,MP,IR,OS,PF}, then acceptable values are {1,2,3,4,9,X,V,T,P}. Validation fails the associated segments if the following values are used in this field: 5,6,9,X,V,T,P,A,B,C,D. |
| Principal Processing Category | LT,FL,CD,CM,IR,MM,MP, NA,NB,NP,OS,PF,UA,UL, UM,UR | If *Class Defining Preparation* is one of {1,2,3,4,9,X,V,T,P}, acceptable values are {LT,FL,CD,CM,MM,MP,IR,OS,PF}. |
| Mail Sacking Criteria – CR/ECR | CO,CF,CB,PC,TP,PT | |
| Mail Sacking Criteria – 3 or 5 digit | CO,CF,CB,PC,TP,PT | |
| Mail Sacking Criteria – Basic | CO,CF,CB,PC,TP,PT | |
| Substituted Container Prep | S,T | |
| Periodicals Newspaper Treatment | Y,N | |
| Logical/Physical Container Indicator | L,P | |
| Log/Phy Package Indicator | L,P | |
| Production Set-up Code | Alphanumeric | |
| LOT Database Date | Date | YYYYMMDD - Example: 20061225. Fill with 00010101 if no date available; lack of valid date may impact rate eligibility. |
| Sibling Container Mailing | 'Y', ' ' (space) | |
| Verification Facility Name | Alphanumeric | |
| Verification Facility ZIP+4 | Numeric | Required field for all file versions. Fill with the ZIP Code + 4 for your facility. Example: 123451234. Must match the information on file in the *PostalOne!* database. |
| Confirm Indicator | N,P,R,S,' ' (space) | |
| Static Planet Code | Alphanumeric | Rejected if the Confirm Indicator is "S" and this Code is less than 11 digits long. |
| L.O.T. Direction Indicator | F,R | |
| Barcode Verifier Indicator | Y,N | |
| SEG Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Package Services Packaging Criteria | PC,PD,CB | |
| Automation Coding Date | Date | YYYYMMDD - Example: 20061225. Fill with 00010101 if no date available; lack of valid date may impact rate eligibility. |
| Carrier Route Coding Date | Date | YYYYMMDD - Example: 20061225 |
| Carrier Route Sequencing Date | Date | YYYYMMDD - Example: 20061225 |
| EMD Barcode Indicator | M,S,P | |


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| Field | Acceptable Values | Notes |
|---|---|---|
| EMD Mailing-Generic Package Barcode | Alphanumeric | |
| Move Update Date | Date | YYYYMMDD - Example: 20061225 |
| PDR Population Status | P,F | |
| Detached Address Label Indicator | Y,' ' (space) | |
| Requested Presort Verification Completion Date | Date | YYYYMMDD – Example: 20061225. Do not fill with all zeroes.* |
| Requested Piece Weight Verification Completion Date | Date | YYYYMMDD – Example: 20061225. * |
| Mailing Agreement Type | A,B,C,D,E,F | |
| Mail Facility ID | Alphanumeric | |
| Container and Bundle Charge Method | 1,2,3,0 | For non-Periodicals jobs, this value must be 0 or file rejection occurs. Validation reads only the first value for this field in a job and applies it to the entire job. This differs from the Mail.dat specification. |
| MPA ID for Container and Bundle Charge Method | Alphanumeric | Only enter if *Container and Bundle Charge Method* is 1 or 2. This ID should match the *MPA - Unique Sequence/Grouping ID* in the MPA file. |
| Presentation Category | P,A | |
| Seamless Acceptance Indicator | 1,2,(space) | |
| Less Than a Presort Segment Presentation | Y,N | |
| User Option | Alphanumeric | |
| SASP Preparation Options | B,F,M,(space) | New for 08-2. New for 09-1: M |
| Move Update Method | 0,1,2,3,4,5,6 | New for 09-1. Optional. Not used to populate postage statements. |
| ZAP Indicator | Y,N | New for 09-1. |
| Zone Matrix Date | Date | New for 09-1. YYYYMMDD - Example: 20061225 |
| Reserve | Alphanumeric | |
| Closing Character | # | |

* Field designated for future use. The *PostalOne!* system will not process this data for any functional need until a future release.

## Mail Piece Unit

**Table B-3. Mail Piece Unit Record - .MPU**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Segment ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Mail Piece Unit ID | Alphanumeric | Must be unique within a job. If numeric only, fill left with zeroes. |
| Mail Piece Unit Name | Alphanumeric | Must be unique within a segment. |
| Mail Piece Unit Description | Alphanumeric | |
| Mail Piece Unit – Weight | Numeric Decimal | 99v9999 |
| MPU - Weight: Source | A,P,C,L | |


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| Field | Acceptable Values | Notes |
|---|---|---|
| MPU - Weight: Status | M,P,F,N | |
| Mail Piece Unit - Length | Numeric Decimal | 999v9999. If *MPU Surcharge* is D, then this field must contain a valid non-zero value. |
| Mail Piece Unit - Width | Numeric Decimal | 99v9999. If *MPU Surcharge* is D, then this field must contain a valid non-zero value. |
| Mail Piece Unit - Thickness | Numeric Decimal | 99v9999. If *MPU Surcharge* is D, then this field must contain a valid non-zero value. |
| Mail Piece Unit - Periodical Ad % | Numeric Decimal | 999v99. Must be equal to or less than 100.00. |
| MPU - Periodical Ad %: Status | N,P,F | |
| Mail Piece Unit - Class | 1,2,3,4,5,9,X,V,T,P | If *MPU - Rate Type* is one of {R,C,P,A,L,S,B,F,N,X,T}, then acceptable values are {1,2,3,4,9,X,V,T,P,5}. Validation fails the associated segments if the following values are used in this field: 6,A,B,C,D. |
| Mail Piece Unit - Rate Type | R,C,P,L,S,B,F,N,T,1,2,3,4 ,D,G,W,Y,J,K | If *MPU - Class* is one of {1,2,3,4,,9,X,V,T,P,5}, then acceptable values are {R,C,P,L,S,B,F,N,T}.<br>New for New for 08-2: J,K |
| Mail Piece Unit - Processing Category | LT,FL,CD,MP,IR,OS,AA, AB,AC,AD,AE,AF,AG,AH, AI,AJ,AK,AL,AM,LA,LB,L C,LD,LE,LF,LG,LH,LL,LM ,SF,SG,SH,PF,CM,NA,N B,NP | If *MPU – Rate Type* is one of {R,C,P,A,L,S,B,F,N,X,T}, then acceptable values are {LT,FL,CD,MP,IR,OS,PF,CM}. |
| Country | Numeric or the two-character ISO 3166 code element. | For a list of ISO 3166 code elements, see the ISO 3166 website (http://www.iso.org/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/list-en1.html). |
| MPU Surcharge | N,O,P,Q,R,S,1,2,D | If *MPU Surcharge* is D, then *MPU Length*, *MPU Width*, and *MPU Thickness* must contain valid non-zero values. |
| Co-Palletization Code | Alphanumeric | |
| Five Digit Scheme Database Date | Date | YYYYMMDD - Example: 20061225 |
| Sibling Container Mailing | Y,' ' (space/blank) | |
| Confirm Subscriber ID | Numeric | |
| MPU Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Flat Machinability | Y,U,N,' ' (space/blank) | For Periodicals, if *Mail Piece Unit – Processing Category* is FL, this field is required and impacts rates. For more information, see the Flats Machinability Values table. |
| Pre-Denominated Amount | Numeric | |
| Postage Affixed Type | S,M | |
| Prose XML Edition Code | Alphanumeric | |
| Bulk Insurance | Y,N,O | |
| Reserve | Alphanumeric | |


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| Field | Acceptable Values | Notes |
|---|---|---|
| Closing Character | # | |

## Mail Piece Unit – Class Values

The *PostalOne!* system currently supports the following mail classes (Mail Piece Unit - Class, position 93 in the .mpu file) for electronic data submission:

**Table B-4. Supported Mail Piece Unit – Class Values**

| Value | Class |
|---|---|
| 1 | First-Class Mail |
| 2 | Periodicals |
| 3 | Standard Mail |
| 4 | Package Services. Parcel Post, Parcel Select, Library Mail, and Media Mail are not supported. |
| 5 | Pending Periodicals. |

## Flats Machinability Values for Periodicals Mailings

For Periodicals mailings, Flats Machinability (.mpu position 118) values map to the following presort levels and piece rates.

**NOTE:**

- For Periodicals, UFSM 1000 Compatible get a Machinable rate (line C15) for 5-Digit Barcoded. Otherwise, follow the Nonmachinable and Parcel lines.
- For Periodicals, parcel lines are the Nonbarcoded under Nonmachinable and Parcel section: Lines C10, C12, C14 and C16. See changes in table below.

**Table B-5. Flats Machinability Values for Periodicals**

| Value | Presort Level | Piece Rates |
|---|---|---|
| Y | All | Machinable Flats |
| U | 3-Digit, ADC, Mixed ADC | Nonmachinable Flats |
| U | 5-Digit Barcoded | Machinable Flats |
| N | All | Parcels |
| Blank | All | None. Error message occurs if blank in a Periodicals mailing with Processing Category “FL”. |

# MPU/C Relationship Record

**Table B-6. MPU/C-Relationship Record - .MCR**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Segment ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Mail Piece Unit ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Component ID | Alphanumeric | If numeric only, fill left with zeroes. |
| MCR Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Primary MPA ID | Alphanumeric | |
| Additional Postage MPA ID | Alphanumeric | Must match the MPA ID containing the permit imprint account used to pay for additional postage in metered or precanceled stamp mailings. |


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| Field | Acceptable Values | Notes |
|---|---|---|
| Host Statement Component ID | Alphanumeric | Required if more than one Component ID in the Mail Piece Unit ID. If numeric only, fill left with zeroes. |
| Host Indicator of Ad Computation | Y,N | |
| Postage Adjustment MPA ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Mailer Postage Account Record

**Table B-7. Mailer Postage Account Record - .MPA**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| MPA - Unique Sequence/Grouping ID | Alphanumeric | If numeric only, fill left with zeroes. |
| MPA - Description | Alphanumeric | |
| USPS Publication Number | Alphanumeric | Mutually exclusive with *Permit Number* field. Use only for Periodicals mailings. Do not use for Pending Periodicals. Fill left with zeroes. |
| Permit Number | Alphanumeric | Mutually exclusive with *Publication Number* field. Use for all non-Periodicals, including Pending Periodicals. |
| Permit City | Alphabetic | |
| Permit State | Alphabetic | |
| Permit ZIP+4 | Alphanumeric | |
| Mail Owner's Lcl Permit Ref Num / Int.l Bill Num | Numeric | Required field for *PostalOne!* postage payment with a mail owner that is different from the permit holder or the mail preparer – this differs from the Mail.dat specification. Determines nonprofit status. |
| Mail Owner's Lcl Permit Ref Num/ Int.l Bill Num - Type | S,M,P,G,V,H | Required field for *PostalOne!* postage payment with a mail owner that is different from the permit holder or the mail preparer – this differs from the Mail.dat specification. Determines nonprofit status. |
| Postage Payment Option | C,D,V,O,T,B | |
| CAPS Reference Number | Alphanumeric | |
| Postage Payment Method | S,M,P,A,C,L,H,I,G,T | Only required if *Permit Number* is present. |
| Mailing Facility Identifier | Alphanumeric | Use DUNS number or USPS-assigned Customer Reference ID. |
| Permit Holder Identifier | Alphanumeric | Use DUNS number or USPS-assigned Customer Reference ID. |
| Federal Agency Cost Code | Alphanumeric | |
| Non-Profit Authorization Number | Alphanumeric | |
| Title | Alphanumeric | Exists for mailer convenience. |
| MPA Record Status | O,D,I,U | |
| Reserve | Alphanumeric | |
| Closing Character | # | |


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## Component Record

**Table B-8. Component Record - .CPT**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Component ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Component Description | Alphanumeric | |
| Component - Weight | Numeric Decimal | 99v9999 |
| Component - Weight: Source | A,P,C,L | |
| Component - Weight: Status | M,P,F,N | |
| Component - Length | Numeric | |
| Component - Width | Numeric | |
| Component - Thickness | Numeric | |
| Component - Periodical Ad Percentage | Numeric Decimal | 999v99. Must be equal to or less than 100.00. |
| Component - Periodical Ad Percentage: Status | N,P,F | |
| Component - Class | 1,2,3,4,5,9,X,V,T,P | If *Component – Rate Type* is one of {R,C,P,A,L,S,B,F,N,X,T,H,M,E,Z}, then acceptable values are {1,2,3,4,9,X,V,T,P,5}. Validation fails the associated components if the following values are used in this field: 6,A,B,C,D. |
| Component - Rate Type | R,C,P,L,S,B,F,N,T,1, 2,3,4,H,M,E,Z,D, G,I,W,Y | If *Component – Class* is one of {1,2,3,4,9,X,V,T,P,5}, then acceptable values are {R,C,P,L,S,B,F,N,T,H,M,E,Z}. New for 08-2: J,K |
| Component -Processing Category | LT,FL,CD,MP,IR,OS, AA,AB,AC,AD,AE,AF, AG,AH,AI,AJ,AK,AL, AM,LA,LB,LC,LD,LE, LF,LG,LH,LL,LM,SF, SG,SH,PF,CM,NA,N B,NP | If *Component – Rate Type* is one of {R,C,P,A,L,S,B,F,N,X,T,H,M,E,Z}, then acceptable values are {LT,FL,CD,MP,IR,OS,PF,CM}. |
| Mail Owner Identifier | Alphanumeric | Provide the 12-digit FAST Scheduler ID if participating in the FAST system, or fill with blanks. Any other value fails FAST validation. |
| Sibling Container Mailing | Y,' ' (space/blank) | |
| Mail Owner's Mailing Reference ID | Alphanumeric | |
| CPT Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Periodical Ad% Treatment | B,S,N | |
| Periodical Volume Number | Alphanumeric | If this field has a value, Periodical Issue Number is required or the job will be rejected. |
| Periodical Issue Number | Alphanumeric | Required if *Volume Number* is populated. The job will be rejected if Volume Number is filled, but Issue Number is empty. |
| Periodical Issue Date | Date | YYYYMMDD - Example: 20061225. See Issue Date Values below for suggested values. |
| Periodical Frequency | Numeric | |
| Weight Version ID | Alphanumeric | * |
| Weight Equivalent User License Code | Alphanumeric | Use with *Weight Equivalent Mail.dat Job ID* and *Weight Equivalent Component ID*.* |


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| Field | Acceptable Values | Notes |
|---|---|---|
| Weight Equivalent Mail.dat Job ID | Alphanumeric | Use with *Weight Equivalent User License Code* and *Weight Equivalent Component ID*.* |
| Weight Equivalent Component ID | Alphanumeric | Use with *Weight Equivalent User License Code* and *Weight Equivalent Mail.dat Job ID*.* |
| Component Title | Alphanumeric | Exists for mailer convenience. |
| Reserve | Alphanumeric | |
| Closing Character | # | |

* Field designated for future use. The *PostalOne!* system will not process this data for any functional need until a future release.

## Issue Date Values

For the Issue Date field in the Component record, use the date the publisher provides in the issue if it is a month, day and year format. In all cases, if there is a cover/issue date on a publication, use that date as the issue date.

If no date has been provided, use the table below. This is an optional method to standardize the usage of the issue date. The Pricing and Classification Service Center (PCSC) provided these suggested dates. Any method to standardize the issue date is acceptable if it meets the requirement that all postage statements for the same issue have the same issue date. Look up the frequency of the issue and then use the month, day and year provided. If two issues occur on the same date, use the Volume Number and Issue Number to differentiate the issues.

**Table B-9. Suggested Issue Date Values by Frequency**

| Frequency | Issue | Use Date |
|---|---|---|
| Quarterly (if not dated, or no month & year) | First Quarter | 1/1/2004 |
| | Second Quarter | 4/1/2006 |
| | Third Quarter | 7/1/2006 |
| | Fourth Quarter | 10/1/2006 |
| Seasonal (if not dated, or no month & year) | Spring | 3/21/2006 |
| | Summer | 6/21/2006 |
| | Fall | 9/21/2006 |
| | Winter | 12/21/2006 |
| Monthly (if not dated) or any other frequency using only a Month & Year as issue date | Month & Year | 1/1/2006 |
| | | 2/1/2006 |
| | | 3/1/2006 |
| | | etc. |
| Semimonthly (if not dated) | First Issue of Month | 1/1/2006 |
| | Second Issue of Month | 1/15/2006 |
| | First Issue of Month | 2/1/2006 |
| | Second Issue of Month | 2/15/2006 |
| | | etc. |
| Bimonthly (if not dated) | First Month of Issue | |
| | e.g. Jun-Jul 2006 | 6/1/2006 |
| | Dec '05/Jan '06 | 12/1/2005 |
| | | etc. |

**NOTE**: All "Special/Extra" issues or other frequencies should have an issue date.


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## Container Summary Record

**Table B-10. Container Summary Record - .CSM**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Segment ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Container Type | P,S,O,T,E,F,B,W,Z,U,L,1,2,3 ,4,5,M,H,A,G,D,R,C | This field impacts rates for Periodicals mailings. See the Container Type Values table. |
| Container ID | Numeric | If numeric only, fill left with zeroes. |
| Display Container ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Container Grouping Description | Alphanumeric | |
| Container Destination Zip | Alphanumeric | |
| Container Level | A,B,C,D, G,H,I,J,K, M,N,P,Q,R,S,T,U,V,W,X,Y,Z ,AA,AB,AC,AD,AE,AF,AG,A H,AI,AJ,BA,BB,BC,BD,BE,B F,BG,BH,BI,BJ,BK,BL,BM | Validation fails files with E, F, or L in this field for all mail classes. This field impacts rates for Periodicals mailings. For more information, see the Container Level Values table. |
| Entry Point for Entry Discount - Postal Code | Alphanumeric | |
| Entry Point for Entry Discount - Facility Type | B,A,S,D,H,R,O,X,V,U,T,N,G, P,F,C,E,J,K,L,M,Q,I | For all mail classes, validation fails files with Y, Z in this field. This field impacts rates for Periodicals mailings. For more information, see the Entry Point for Entry Discount – Facility Type Values table. |
| Entry Point - Actual / Delivery - Locale Key | Alphanumeric | • If *Entry Point for Entry Discount - Facility Type* is one of {A,B,C,D,E,J,K,L,M,Q,R,T}, then this field is required and must start with “LOC” preceding the locale key.<br>• If Entry Point for Entry Discount - Facility Type is one of {O,H}, then this field is required and must contain “ORIGIN”.<br>• If Entry Point for Entry Discount - Facility Type is one of {F,G,I,P,N,U,V,X}, then this field is optional and must contain a six-digit Canadian or international code. |
| Entry Point - Actual / Physical - Facility Type | B,A,S,D,H,R,O,X,V,U,T,N,G, P,F,C,E,J,K,L,M,Q,I | |
| Entry Point – Actual / Delivery Postal Code | Alphanumeric | |
| Parent Container Reference ID | Numeric | |
| Truck or Dispatch Number | Alphanumeric | |
| Stop Designator | Alphanumeric | |
| Reservation Number | Alphanumeric | For FAST recurring appointments, the sixth character should be an “R” and *Scheduled Induction Date*, *Scheduled Induction Time*, and a *FAST Content ID* are required. All other appointments should be numeric. |
| Container Ship Date | Date | YYYYMMDD - Example: 20061225. This is |


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| Field | Acceptable Values | Notes |
|---|---|---|
| | | the mailing date on the postage statement. |
| Container Ship Time | Alphanumeric | HH:MM – Example: 18:12 |
| Container Pick Up Date | Numeric | YYYYMMDD - Example: 20081225 |
| Container Pick Up Time | Alphanumeric | HH:MM – Example: 18:12 |
| Container Acceptance Date | Date | YYYYMMDD - Example: 20061225 |
| Scheduled In-Home Date | Date | YYYYMMDD - Example: 20061225 |
| Additional In-Home Range | Numeric | |
| Scheduled Induction Date | Date | YYYYMMDD - Example: 20061225. Required for recurring reservation numbers. |
| Scheduled Induction Time | Time | HH:MM – Example: 13:30. Required for recurring reservation numbers. |
| Internal Date | Date | YYYYMMDD - Example: 20061225 |
| Number of Copies | Numeric | |
| Number of Pieces | Numeric | |
| Total Weight (product only) | Numeric | 9999v9 |
| Unique Container ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Container Status | R,C,X,P,T,O,D,M,' ' (space/blank) | Validation rejects any files with containers claiming status "A". New for 09-1:M |
| Machinable Mail Piece | Y,N,U,A | |
| Tray Preparation Type | O,T,E,F,S | |
| Protected Container Status | P,N | |
| Container Presort Content | A,B,C,D,E,F,G | |
| Geographic Scheme Level | A,B,C | |
| Trans-Ship Bill of Lading Number | Alphanumeric | |
| Production Machine ID | Alphanumeric | |
| Sibling Container Indicator | Y,' ' (space/blank) | |
| Sibling Container Reference ID | Numeric | |
| Postage Grouping ID | Alphanumeric | |
| Container Gross Weight | Numeric | |
| Container Gross Weight - Source | A,E | |
| Container Height | Numeric | |
| Container Height - Source | A,E | |
| EMD - 8125 ASN Barcode | Alphanumeric | |
| Transportation DUNS Number | Alphanumeric | |
| Container Level Attempted | Alphanumeric | |
| Special Condition On Limit | OV,UF,SM,SN,OM | |
| DMM Section Defining Container Preparation | Alphanumeric | Allows up to 12 characters. |
| Alternate Method Defining Preparation | Alphanumeric | |
| "Zebra Stripe" Indicator | Z,N | |
| Label: 24-Character Container Barcode | Alphanumeric | Usually 24 characters. For pallets, use 21 characters; populate the leftmost 21 characters |
| Label: 10-Character Container | Alphanumeric | |


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| Field | Acceptable Values | Notes |
|---|---|---|
| Barcode | | |
| Label: Destination Line 1 | Alphanumeric | |
| Label: Destination Line 2 | Alphanumeric | |
| Label: Contents - Line 1 | Alphanumeric | |
| Label: Contents - Line 2 | Alphanumeric | |
| Label: Entry (Origin) Point Line | Alphanumeric | |
| Label: User Information Line 1 | Alphanumeric | |
| Label: User Information Line 2 | Alphanumeric | |
| Container Label CIN Code | Alphanumeric | |
| Container Label Type | 1,2,3,4,01,02,03,04 | |
| CSM Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Container Contains Overflow Indicator | Y,N | |
| FAST Content ID | Alphanumeric | Required for recurring reservation numbers. |
| FAST Scheduler ID | Numeric | |
| IM Barcode Upper Serialization | Alphanumeric | New for 08-2. |
| IM Barcode Lower Serialization | Alphanumeric | New for 08-2. |
| USPS Pick Up | Y,N,(space) | New for 08-2. Required for Start the Clock performance measurements. |
| CoPalletization Barcode | Alphanumeric | New for 09-1. |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Container Type Values

For Periodicals mailings, Container Type Mail.dat values (.csm position 13) values map to the following chargeable container types.

**Table B-11. Container Type Values**

| Mail.dat Value | Container Type |
|---|---|
| 1 = #1 Sack | Sack |
| 2 = #2 Sack | Sack |
| 3 = #3 Sack | Sack |
| 4 = 01 V Sack | Sack |
| 5 = 03 V Sack | Sack |
| A = Hamper, Large Plastic | Pallet |
| B = Bedload | Not mapped for Periodicals |
| C = Collapsible Wire Container | Pallet |
| D = Eastern Region Mail Container w/ Web Door | Pallet |
| E = EMM Tray | Tray |
| F = Flat Tub | Tray |
| G = General Purpose Mail Container with Gate | Pallet |
| H = Hamper, Large Canvas | Pallet |
| L = Logical Tray | Not mapped for Periodicals |
| M = Logical Pallet (MLOCR) | Pallet |
| O = 1' Tray | Tray |


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| Mail.dat Value | Container Type |
|---|---|
| P = Pallet | Pallet |
| R = Wire Container Rigid | Pallet |
| S = Sack | Sack |
| T = 2' Tray | Tray |
| U = Unit Load Device | Not mapped for Periodicals |
| V – Sack (Virtual) | Not supported currently. Submit mailings with these containers using hard copy postage statements. |
| W = Walled Unit | Not mapped for Periodicals |
| Z = User Pallet | Pallet |

## Container Level Values

For Periodicals, Container Level (.csm position 41-42) values map to the following chargeable container levels.

**Table B-12. Container Level Values**

| Mail.dat Value | Container Level Rate |
|---|---|
| A = CR-Direct | 5-Digit |
| B = Mixed CR in 5 Digit | 5-Digit |
| C = Mixed CR in 3 Digit | SCF/3-Digit |
| D = CR – 5 D Scheme | 5-Digit |
| E = DPC/3D Scheme | Not mapped for Periodicals |
| F = RDC/Scheme | Not mapped for Periodicals |
| G = 5 Digit (Auto/Presort) | 5-Digit |
| H = 5 Digit (Merged) | 5-Digit |
| I = 5 Digit (Presort only) | 5-Digit |
| J = 5 Digit (Barcode only) | 5-Digit |
| K = Metro Scheme | SCF/3-Digit |
| L = Mixed RDC | Not mapped for Periodicals |
| M = 5D Scheme (Presort) | 5-Digit |
| N = 5D Scheme (Auto, Presort) | 5-Digit |
| P = 5D Scheme (Barcode) | 5-Digit |
| Q = 5D Scheme (Merged | 5-Digit |
| R = 3 Digit (Auto, Presort) | SCF/3-Digit |
| S = 3 Digit (Barcode) | SCF/3-Digit |
| T = 3 Digit (Presort) | SCF/3-Digit |
| U = 3 Digit (CR, Auto, Presort) | SCF/3-Digit |
| V = 3 Digit Scheme | SCF/3-Digit |
| W = Unique 3 Digit | SCF/3-Digit |
| X = SCF | SCF/3-Digit |
| Y = Protected SCF | SCF/3-Digit |
| Z = ADC | ADC/AADC |
| AA = AADC | ADC/AADC |
| AB = Mixed ADC | Mixed ADC/AADC |
| AC = Mixed AADC | Mixed ADC/AADC |
| AD = ASF | Mixed ADC/AADC |
| AE = BMC | Mixed ADC/AADC |


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| Mail.dat Value | Container Level Rate |
|---|---|
| AF = Protected BMC | Mixed ADC/AADC |
| AG = Mixed BMC | Mixed ADC/AADC |
| AH = Origin Mixed ADC | Mixed ADC/AADC |
| AI = Protected ADC | ADC/AADC |
| AJ = Single Piece Tray | Mixed ADC/AADC |

## Entry Point for Entry Discount – Container Entry Values

For Periodicals mailings, Entry Point for Entry Discount – Facility Type (.csm position 49) values map to the following chargeable Container Entry values.

**Table B-13. Entry Point for Entry Discount - Facility Type Values**

| Mail.dat Value | Container Entry |
|---|---|
| A = ASF | Destination BMC |
| B = DBMC | Destination BMC |
| D = DDU | DDU |
| S = DSCF | Destination SCF |
| H = Tran Hub | Not mapped for Periodicals |
| R = ADC | Destination ADC |
| O = Origin | Origin Post Office/DMU |
| X = Alt Delivery | Not mapped for Periodicals |
| V = Int'l Gateway | Not mapped for Periodicals |
| U = USPS Int'l | Not mapped for Periodicals |
| T = Orig(T-Hub Sq) | Not mapped for Periodicals |
| N = Not-determined | Origin Post Office/DMU |
| G = Can (Gatwy) | Not mapped for Periodicals |
| P = Can (in Can) | Not mapped for Periodicals |
| F = Forgn Mail Consol. | Not mapped for Periodicals |
| C = Origin SCF | Origin SCF |
| E = Origin DDU | Origin Post Office/DMU |
| J = Origin ADC | Origin ADC |
| K = Origin BMC | Origin BMC |
| L = Origin ASF | Origin BMC |
| M = Dest AMF | Destination BMC |
| Q = Origin AMF | Origin BMC |
| I = IBMC (Int'l BMC, NJ) | Origin BMC |
| Y = RDC (Regional Distribution Center) | Not mapped for Periodicals |
| Z = DPC (Destination Processing Center) | Not mapped for Periodicals |

# International Container Label Record

**Table B-14. International Container Label Record - .ICL**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Container ID | Numeric | If numeric only, fill left with zeroes. |
| Destination Line 1 | (below) | |
| Destination Line 1: Int.l: Dest | Alphabetic | |


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| Field | Acceptable Values | Notes |
|---|---|---|
| Location | | |
| Destination Line 1: Int.l: Dest OE Qualifier | Alphabetic | |
| Destination Line 1: Int.l: Final Dest City Name | Alphabetic | |
| Destination Line 2 | Alphanumeric | |
| Contents Line 1 | Alphanumeric | |
| Contents Line 2 | Alphanumeric | |
| Entry (Origin) Point Line | (below) | |
| Entry (Origin) Point Line : Int.l: Origin Country Code | Alphabetic | |
| Entry (Origin) Point Line : Int.l: Origin Location | Alphabetic | |
| Entry (Origin) Point Line : Int.l: Origin OE Qualifier | Alphabetic | |
| Entry (Origin) Point Line : Int.l: Internal Date | Date | DDMMYYYY - Example: 25122006 |
| Entry (Origin) Point Line : Int.l: spare | Alphanumeric | |
| User Information | Alphanumeric | |
| Container Label Bar Code | Alphanumeric | |
| Alt Del - Line 1: | (below) | |
| Alt Del - Line 1: Int.l: Int.l Mail Category | Alphanumeric | |
| Alt Del - Line 1: Int.l Mail Class/ Sub-Class | Alphanumeric | |
| Alt Del - Line 1: Int.l: Dispatch Year | Numeric | |
| Alt Del - Line 1: Int.l: Dispatch Number | Numeric | |
| Alt Del - Line 1: Int.l: Receptacle Number | Numeric | |
| Alt Del - Line 1: Int.l: Highest Recpt # Indicator | Numeric | |
| Alt Del - Line 1: Int.l: Registrd/ Insured Indicator | Numeric | |
| Alt Del - Line 1: Int.l: Weight | Numeric | |
| Alt Del - Line 1: Int.l: spare | Alphanumeric | |
| Alt Del - Line 2 | Alphanumeric | |
| Alt Del - Line 3 | Alphanumeric | |
| Alt Del - Line 4 | Alphanumeric | |
| Alt Del - Line 5 | Alphanumeric | |
| ICL Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Reserve | Alphanumeric | |
| Closing Character | # | |


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## Container Quantity Record

**Table B-15. Container Quantity Record - .CQT**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| CQT Database ID | Numeric | |
| Container ID | Numeric | |
| 3 Digit / 5 Digit Container Division | Alphanumeric | |
| Mail Piece Unit ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Zone | S,D,U,L,1,3,4,5,6,7,8,Q,X, R,T,N,A,E,P,F,C,M,V,G | If *Periodicals: Not County/In County* is "I", this value must be "D" or "N". Values Q, R, X, T, U and G are not supported for Ready-to-Pay containers, and will cause file failure due to an "Invalid Rate Category." |
| Destination Entry | B,S,D,N,A,O,P,Q | |
| Rate Category | 0,1,2,3,4,5,6,7,8,9,A,B,D,D E,FB,G,H,K,L,N,O,S,X,Y,L 1,L2,L3,L4,L5,NF,AF,BF,Z 1,Z2,KF,GF,PI,PM,NG,NK, N5,N6,L6,L7,L8,PE,PQ,PR ,PG,PK,P5,P6, P7,P8 | |
| Barcode Discount or Surcharge Indicator | O,B,D,S,I | |
| Periodicals: Sub/ Non-Sub/ Requester Indicator | S,N,R,O | |
| Periodicals: Not County/In County | N,I,O | |
| Number of Copies | Numeric | |
| Number of Pieces | Numeric | |
| CQT Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Periodicals Co-Palletization Discount Indicator | Y,N | |
| Exp Per HE,HW, SC Pub - Origin Delivery Zone | Numeric | |
| Exp Per HE,HW, SC Pub - Origin 3-Digit Zip | Numeric | |
| ZAP Agent Code | Numeric | Not validated. |
| Container Charge Allocation | Numeric | 9v999999. Exists for mailer convenience. Decimal point implied. |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Package Quantity Record

**Table B-16. Package Quantity Record - .PQT**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| CQT Database ID | Numeric | See this field in the CQT file for usage. The *PostalOne!* system does not support the *CQT Database ID* for the PQT file described in the |


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| Field | Acceptable Values | Notes |
|---|---|---|
| | | Mail.dat specification. |
| Package ID | Alphanumeric | For Periodicals bundle charges, validation creates a bundle for each unique combination of *Container ID*, *Package ID*, *Package ZIP Code* and *Package Carrier Route*. If numeric only, fill left with zeroes. |
| Package Zip Code | Alphanumeric | For Periodicals bundle charges, validation creates a bundle for each unique combination of *Container ID*, *Package ID*, *Package ZIP Code* and *Package Carrier Route*. |
| Package Carrier Route | Alphanumeric | For Periodicals bundle charges, validation creates a bundle for each unique combination of *Container ID*, *Package ID*, *Package ZIP Code* and *Package Carrier Route*. |
| Package Level | 1,2,3,4,5,6,7,8,A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W | This field impacts rates for Periodicals. For more information, see the Package Level Values table. Validation rejections Periodicals with Package Level "A" and Ready-to-Pay status. |
| Package Barcode | Alphanumeric | |
| Number of Copies | Numeric | |
| Number of Pieces | Numeric | |
| Package Status | C | |
| PQT Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Bundle Charge Allocation | Numeric | 9v999999. Exists for mailer convenience. Decimal point is implied. |
| CoPalletization Barcode | Alphanumeric | New for 09-1. |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Package Level Values

For Periodicals mailings, Package Level (.pqt position 33) maps to the following chargeable bundle levels:

**Table B-17. Package Level Values**

| Mail.dat Value | Bundle Level |
|---|---|
| A = Firm | Firm at Container Level |
| B = Carrier Route | Carrier Route |
| C = 5 Digit | 5-Digit |
| D = Unique 3-Digit | 3-Digit/SCF |
| F = 3 Digit | 3-Digit/SCF |
| H = ADC | ADC/AADC |
| I = AADC | ADC/AADC |
| K = Origin MxADC | Mixed ADC/AADC |
| L = MxADC | Mixed ADC/AADC |
| M = MxAADC | Mixed ADC/AADC |
| O = Working | Not mapped for Periodicals |
| R = Parcel | Not mapped for Periodicals |
| S = Multi-pc Parcel | Not mapped for Periodicals |


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| Mail.dat Value | Bundle Level |
|---|---|
| T = 3-D Scheme | 3-Digit/SCF |
| U = 5-D Scheme + L007 | 5-Digit |
| V = BMC | Mixed ADC/AADC |
| W = 5-Digit Super Scheme | 5-Digit |

## Walk Sequence Record

**Table B-18. Walk Sequence Record - .WSR**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Segment ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Package Zip Code | Alphanumeric | |
| Package CR Number | Alphanumeric | |
| Co-Palletization Code | Alphanumeric | |
| Walk Sequence Type | T,R | |
| Walk Sequence Stops | Numeric | |
| Walk Sequence Denominator | Numeric | |
| Walk Sequence Database Date | Date | YYYYMMDD - Example: 20061225 |
| WSR Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Seed Name Record

**Table B-19. Seed Name Record - .SNR**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Container ID | Numeric | If numeric only, fill left with zeroes. |
| Package ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Mail Piece Unit ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Seed Name ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Version Key Code | Alphanumeric | |
| Seed Name Received Date | Date | YYYYMMDD - Example: 20061225 |
| Seed Type | C,S,R,B | |
| Piece Barcode | Numeric | |
| SNR Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Reported Seed Condition | M,G,F,P | |
| IM Barcode | Alphanumeric | New for 08-2. For IM barcodes only. Fill left with “X”, fill right with spaces. |
| Planet Code | Alphanumeric | |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Package Label Record

**Table B-20. Package Label Record - .PLR**

| Field | Acceptable Values | Notes |
|---|---|---|


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| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Container ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Package ID | Alphanumeric | If numeric only, fill left with zeroes. |
| City Name | Alphanumeric | |
| Province Code | Alphanumeric | |
| Postal Code | Alphanumeric | |
| PDR Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## IJ/C Relationship Record

**Table B-21. IJ/C Relationship Record - .ICR**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| File Name | Alphanumeric | Special characters (such as _ or # ) result in file rejection. |
| Tape ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Container ID | Numeric | |
| Beginning Record | Numeric | |
| Ending Record | Numeric | |
| ICR Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Piece Detail Record

**Table B-22. Piece Detail Record - .PDR**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| CQT Database ID | Numeric | Fill left with zeroes. |
| Package ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Piece ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Piece Barcode | Numeric | |
| Line-Of-Travel Sequence Number | Numeric | |
| Line-Of-Travel Seq. Direction Code | Alphanumeric | |
| Walk Sequence Number | Numeric | |
| "Wasted Piece" Indicator | Y,' ' (space/blank) | |
| Delivery Signature Confirmation ID | Alphanumeric | |
| IM Barcode | Alphanumeric | New for 08-2. IM barcode only. Fill left with "X", fill right with spaces. |
| Planet Code | Numeric | |
| PDR Record Status | O,D,I,U | Acceptable values dependent on file type. |
| MLOCR Rate and Postage Marking | Alphanumeric | |
| Machine ID | Alphanumeric | |
| Mailer ID of Mail Owner | Numeric | |
| Mail Owner Identifier | Alphanumeric | New for 09-1. Permit number or CRID of Mail |


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| Field | Acceptable Values | Notes |
|---|---|---|
| | | owner. |
| Mailer ID of Barcode Applicator | Numeric | |
| Move Update Method | 0,1,2,3,4,5,6 | Optional. Not used to populate postage statements.New for 09-1:6 |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Special Fees/Charges Record

**Table B-23. Special Fees / Charges Record - .SFR**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| CQT Database ID | Numeric | Fill left with zeroes. |
| Piece ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Service Type | Alphanumeric | |
| Service "Stated Value" | Numeric | |
| Service Fee | Numeric | |
| Special Fees/Charges Services ID | Alphanumeric | If numeric only, fill left with zeroes. |
| SFR Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Manifest Individual Record

**Table B-24. Manifest Individual Record - .MIR**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Container ID | Numeric | |
| Piece ID | Alphanumeric | If numeric only, fill left with zeroes. |
| MPU ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Piece Barcode | Numeric | |
| Piece Zone | Alphanumeric | |
| Piece Destination Entry | Alphanumeric | |
| Package Level | Alphanumeric | |
| Package Zip Code | Alphanumeric | |
| Piece Carrier Route Code | Alphanumeric | |
| Piece Weight | Numeric | |
| Postage Class | 1,2,3,4,9,X,V,T,P,A,B,C,D,5 | If *Rate Type* is one of {R,C,P,A,L,S,B,F,N,X,T,H,M,E,Z}, then acceptable values are {1,2,3,4,9,X,V,T,P,5}. |
| Processing Category | {LT,FL,CD,MP,IR,OS,AA,AB,AC,AD,AE,AF,AG,AH,AI,AJ,AK,AL,AM,LA,LB,LC,LD,LE,LF,LG,LH,LL,LM,SF,SG,SH,PF,CM} | If *Rate Type* is one of {R,C,P,A,L,S,B,F,N,X,T,H,M,E,Z}, then acceptable values are {LT,FL,CD,MP,IR,OS,PF,CM}. |
| Rate Type | R,C,P,A,L,S,B,F,N,X,T,1,2,3,4,H,M,E,Z, D | If *Postage Class* is one of {1,2,3,4,9,X,V,T,P,5}, then acceptable values are {R,C,P,A,L,S,B,F,N,X,T,H,M,E,Z}. |


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| Field | Acceptable Values | Notes |
|---|---|---|
| Rate Category | Alphanumeric | |
| Piece Postage | Numeric | 9999v111. Required field – this differs from the Mail.dat specification. |
| Barcode Discount or Surcharge Indicator | Y,N,O,C | |
| Parcel Rate Adjustment | Y,N,O | |
| "Wasted Piece" Indicator | Y,' ' (blank/space) | |
| Delivery Signature Confirmation ID | Alphanumeric | |
| Line-Of-Travel Sequence Number | Numeric | |
| Line-Of-Travel Seq. Direction Code | Alphanumeric | |
| Walk Sequence Number | Numeric | |
| Piece Length | Numeric | |
| Piece Width | Numeric | |
| Piece Thickness | Numeric | |
| IM Barcode | Alphanumeric | New for 08-2. IM barcode only. Fill left with "X", fill right with spaces. |
| Planet Code | Numeric | |
| Primary Payer MPA ID | Alphanumeric | |
| Secondary Payer MPA ID | Alphanumeric | |
| Surcharge | Alphanumeric | |
| Pre-denominated Amount | Numeric | |
| Postage Affixed Type | S,M | |
| Weight Source | A,P,C,L | |
| Weight Status | M,P,F,N | |
| Package ID | Alphanumeric | |
| MIR Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Manifest Summary Record

**Table B-25. Manifest Summary Record - .MSR**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Segment ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Pallet/Cage Type | P,C,N | |
| Pallet/Cage ID | Alphanumeric | If numeric only, fill left with zeroes. To indicate no Pallet or Cage ID, use "XXXXX". |
| Pallet/Cage CIN Code | Numeric | |
| Tray/Sack Type | O,T,E,F,S | |
| Tray/Sack ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Tray/Sack CIN Code | Numeric | |
| Piece Range-Set CIN Code | Numeric | |


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| Field | Acceptable Values | Notes |
|---|---|---|
| Piece Range-Set Zip Code | Alphanumeric | |
| Piece Range-Set CR | Alphanumeric | |
| Piece Range-Set Zone | Alphanumeric | |
| Piece Range-Set Postage | Numeric | |
| Piece Range-Set Weight | Numeric | |
| Piece Range-Set Physical Space | Numeric | |
| Piece Range-Set First Sequence Number | Numeric | |
| Piece Range-Set Count | Numeric | |
| Piece Range-Set One Ounce Qty | Numeric | |
| Piece Range-Set Two Ounce Qty | Numeric | |
| Piece Range-Set Three Ounce Qty | Numeric | |
| Piece Range-Set Four Ounce Qty | Numeric | |
| Piece Range-Set Five Ounce Qty | Numeric | |
| Piece Range-Set Six Ounce Qty | Numeric | |
| Piece Range-Set Seven Ounce Qty | Numeric | |
| Piece Range-Set Eight Ounce Qty | Numeric | |
| Piece Range-Set Nine Ounce Qty | Numeric | |
| Piece Range-Set Ten Ounce Qty | Numeric | |
| Piece Range-Set Eleven Ounce Qty | Numeric | |
| Piece Range-Set Twelve Ounce Qty | Numeric | |
| Piece Range-Set Thirteen Ounce Qty | Numeric | |
| Waste Quantity | Numeric | |
| MPA - Unique Sequence/Grouping ID | Alphanumeric | |
| MSR Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Postage Adjustment Record

**Table B-26. Postage Adjustment Record - .PAR**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Segment ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Mail Piece Unit ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Component ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Sequence Number | Numeric | |
| Date | Date | YYYYMMDD - Example: 20061225 |
| Adjustment Type | 1,2,3,4,01,02,03,04 | |
| Adjustment Amount | Numeric | |
| Credit/Debit Indicator | C,D | |
| Total Pieces Affected | Numeric | |
| User Comments | Alphanumeric | |
| PAR Record Status | O,D,I,U | Acceptable values dependent on file type. |
| Adjustment Status | R,X,C,P,T | |


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| Field | Acceptable Values | Notes |
|---|---|---|
| MPA - Unique Sequence/Grouping ID | Alphanumeric | |
| Reserve | Alphanumeric | |
| Closing Character | # | |

## Information Access Key File Record

This record type identifies different business roles when mail is handled by multiple mailing agents, with each agent responsible for different business tasks, and identified using unique MPU and CPT records within a mail piece.

**Table B-28. Information Access Key File Record - .IAK**

| Field | Acceptable Values | Notes |
|---|---|---|
| Job ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Segment ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Mail Piece Unit ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Component ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Information Access ID | Alphanumeric | If numeric only, fill left with zeroes. |
| Mail Owner | Numeric | USPS-assigned CRID |
| Mail Preparer | Numeric | USPS-assigned CRID |
| Mail Scheduler | Numeric | USPS-assigned CRID |
| Mail Consolidator | Numeric | USPS-assigned CRID |
| Mail Logistics | Numeric | USPS-assigned CRID |
| IAK Record Status | O,D,I,U | |
| Reserve | Alphanumeric | |
| Closing Character | # | |


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# Appendix C. Status Receipt File Layout

This appendix contains details about the contents of a Status Receipt file and associated record types and format.

## C-1 Status Receipt File Content

The receipt file conforms to these specifications:

1. A receipt file shall contain one or more records represented by ASCII text. The text shall be in the subset of ASCII characters indicated by the decimal values 33 to 126.

2. A new line character or sequence of characters (this is platform dependent) shall terminate each record.

3. The records of a receipt file shall contain a predefined character that shall serve to distinguish its fields. The default character shall be a comma ",".

   **NOTE**: You can customize the 'delimiter' character by changing the Delimiter parameter in the `postal1.ini file`. For more information, see Section 4.1.4, Downloading and Configuring the Windows Batch Processor or Section 4.1.5, Downloading and Configuring the UNIX Batch Processor.

4. The receipt file record may have various types. Only one record type has been specified at this point.

5. A record in a receipt file shall commence with a "record-type" field that shall serve in the record's identification. Following the record-type field shall be various character-delimited fields following a predefined sequence.

## C-2 Record Types and Record Format

This section provides details about the receipt file's record types and formats. For additional information about postal1.ini parameters, see the table in Sections 4.1.4, Downloading and Configuring the Windows Batch Processor or 4.1.5, Downloading and Configuring the UNIX Batch Processor.

#### Record Type: status receipts

The *PostalOne!* system allows Batch Processor users to receive Mail.dat transaction confirmations in the form of Status Receipt files. The Status Receipt file indicates the successive stages of a Mail.dat transaction being processed and can be transmitted in two formats: XML and character delimited.

The following is the XML schema for Status Receipts:

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">
   <xs:element name="receipts">
      <xs:complexType>
         <xs:all>
            <xs:element name="record-type">
               <xs:annotation>
                  <xs:documentation>The current record type for PostalOne!
receipt files is: transfer-status. The transfer-status record shall serve to
indicate the progress of the processing of a Mail.dat file transferred to the
PostalOne! Java upload server. The record shall trace, through its fields, the
validation, the loading, and the processing of postage statements for a Mail.dat
file transfer.</xs:documentation>
               </xs:annotation>
               <xs:complexType>
```



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```
                  <xs:all>
                     <xs:element name="version">
                        <xs:annotation>
                           <xs:documentation>the version of this receipt file.
(e.g. 1.0)</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="job-id">
                        <xs:annotation>
                           <xs:documentation>Mail.dat Job ID as presented in the
header file specification of Mail.dat.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="filename">
                        <xs:annotation>
                           <xs:documentation>the part of the name of a Mail.dat
file without the extension. For example, if the files sent are foo.hdr, foo.csm
and foo.cqt, the filename is foo. If the receipt record is for a finalized, a
canceled or a reversed postage statement, this record will contain the container
ID of one of the containers that was finalized, canceled, or
reversed.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="verification-facility-zip-4">
                        <xs:annotation>
                           <xs:documentation>The zip plus 4 code of the mailing
facility where verification occurred.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="date-time">
                        <xs:annotation>
                           <xs:documentation>a time stamp, represented in the 24
hour time system, that indicates the creation or the receipt of a file. The Java
upload server provides the time that is used.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="validation">
                        <xs:annotation>
                           <xs:documentation>a binary value of P or F indicating
successful validation or failed validation, respectively, of a Mail.dat
file.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="job-acceptance">
                        <xs:annotation>
                           <xs:documentation>a binary value of P or F indicating
whether a file has been successfully loaded to the Java upload server's data
repository for loading to a database.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="insert">
                        <xs:annotation>
                           <xs:documentation>a binary value of P or F indicating
the successful loading of a job from the Java upload server's data repository to
the database.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="PS-generated">
                        <xs:annotation>
```



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```
                           <xs:documentation>a Boolean value of T or F indicating
whether a postage statement has been generated or has not been
generated.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="PS-canceled">
                        <xs:annotation>
                           <xs:documentation>a value of C or null indicating
whether a postage statement has been canceled or no action has been taken,
respectively.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="PS-finalized">
                        <xs:annotation>
                           <xs:documentation>a value of F, R or null indicating
whether a postage statement has been finalized, reversed or no action has been
taken, respectively.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="mpu-edit">
                        <xs:annotation>
                           <xs:documentation>a value of T or null indicating
whether an mpu edit has occurred on the front-end or not.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="error-code">
                        <xs:annotation>
                           <xs:documentation>a numeric error code generated by
the PostalOne! Java upload server that represents the occurrence or absence of an
error. A zero in the field indicates the absence of error.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                     <xs:element name="error-message">
                        <xs:annotation>
                           <xs:documentation>a message generated by the
PostalOne! Java upload server that describes, with brevity, an error or warning
that has occurred. If there is no error or warning, this field will be
null.</xs:documentation>
                        </xs:annotation>
                     </xs:element>
                  </xs:all>
               </xs:complexType>
            </xs:element>
         </xs:all>
      </xs:complexType>
   </xs:element>
</xs:schema>
```

**Record Type: transfer-status**

The current record type for *PostalOne!* receipt files is: *transfer-status*.

The *transfer-status* record shall serve to indicate the progress of the processing of a Mail.dat file transferred to the *PostalOne!* Java upload server. The record shall trace, through its fields, the validation, the loading, and the processing of postage statements for a Mail.dat file transfer. The format for job status records is as follows:



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transfer-status<char-del>version<char-del>jobid<char-del>filename<char-del>verification-facility-zip+4<char-del>date-time<char-del>validation<char-del>job-acceptance<char-del>insert<char-del>PS-gen<char-del>PS-canceled<char-del>PS-fin<char-del>mpu-edit<char-del> error-code<char-del>error-msg<new-line>

where

**transfer-status** : represents the literal text that will be placed at the beginning of a transfer-status record.

**<char-del>**: represents the ASCII character used as the field delimiter.

**version**: the version of this receipt file. (e.g. 1.0)

**jobid**: the Mail.dat Job ID as presented in the header file specification of Mail.dat.

**filename**: the part of the name of a Mail.dat file without the extension. For example, if the files sent are foo.hdr, foo.csm and foo.cqt, the "filename" is foo. If the receipt record is for a finalized, a canceled or a reversed postage statement, this record will contain the container ID of one of the containers that was finalized, canceled, or reversed.

**verification-facility-zip+4**: The ZIP+4 Code of the mailing facility where verification occurred.

**date-time**: a time stamp, represented in the 24 hour time system, which indicates the creation or the receipt of a file. The Java upload server provides the time that is used.

**validation**: a binary value of "P" or "F" indicating successful validation or failed validation, respectively, of a Mail.dat file.

**job-acceptance**: a binary value of "P" or "F" indicating whether a file has been successfully loaded to the Java upload server's data repository for loading to a database.

**insert**: a binary value of "P" or "F" indicating the successful loading of a job from the Java upload server's data repository to the database.

**PS-gen**: a Boolean value of "T" or "F" indicating whether a postage statement has been generated or has not been generated.

**PS-canceled**: a value of "C" or <empty> indicating whether a postage statement has been canceled or no action has been taken, respectively.

**PS-fin**: a value of "F", "R" or <empty> indicating whether a postage statement has been finalized, reversed or no action has been taken, respectively.

**mpu-edit**: a value of "T" or <empty> indicating whether an mpu edit has occurred on the front-end or not.

**error-code**: a numeric error code generated by the *PostalOne!* Java upload server that represents the occurrence or absence of an error. A zero in the field indicates the absence of error.

**error-msg**: a message generated by the *PostalOne!* Java upload server that describes, with brevity, an error or warning that has occurred. If there is no error or warning, this field will be empty.

**<new-line>**: the platform specific new line character sequence.


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# Appendix D. Postage Statement Receipt File Layout

This appendix contains details about the contents of a postage statement receipt file and the associated record types and format.

## D-1 Postage Statement Receipt File Content

The postage statement receipt file conforms to these specifications in this section. The postage statement data for the 3602-N and the 3602-R can be divided into three main sections:

- Address information – summary record
- Mailing information – summary record
- Postage Computation information – detailed calculations

The postage statement receipt data for a single postage statement shall consist of rows of character delimited data in the format summarized in the following table:

| | | | | |
|---|---|---|---|---|
| **Summary Record** | Receipt Header | Job Information | Address Information | Mailer Information |
| **Computation Records** | Receipt Header | Job Information | Postage Computation Information (detailed calculations) | |

For a postage statement, there will be only one Summary Record but possibly several Computation Records. The Computation Records are linked to the Summary Record by the Receipt Job Information field. The table above depicts the ordering of data within a row of postage statement data for both record types. The Summary Record and the Computation records are described in detail below.

### Summary Record

The summary record is composed of a total of 136 atomic, character delimited fields of data. The details for the following summary records follow:

- Receipt Header Information
- Job Information
- Address Information
- Mailing information

**NOTE**: All fields depicted in the tables to follow are separated by the delimiter character that is specified in the “Delimiter” parameter of the `postal1.ini` file on the client machine that runs the batch processor and makes the request for the receipt.

**Receipt Header Information (Summary Record)**

| Field Position | Name | Description |
|---|---|---|
| 1 | Receipt Type | The text "postage-statement" |
| 2 | Version | The version number of the format: **v.r** (where **v** is the version and **r** is the revision number) for example, 1.0 |
| 3 | Date | A system-generated date in the format **yyyy-mm-dd** |
| 4 | Postage Statement Type | The postage statement type, e.g., 3602-R |


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**Job Information (Summary Record)**

| Field Position | Name | Description |
|---|---|---|
| 5 | Job ID | The Mail.dat Job ID for this job |
| 6 | File Number | A number that uniquely identifies the postage statement |

**Address Information (Summary Record)**

The address information consists of the Permit holder address (fields 7-24) and the Company or mailer address (fields 25-34).

Permit holder address information

| Field Position | Name | Description |
|---|---|---|
| 7 | Role | The role of this addressee in this particular mailing. |
| 8 | City | City |
| 9 | Contact Name | Contact's name |
| 10 | Dun & Bradstreet No. | The Dun & Bradstreet Number (not currently populated—may be in the future) |
| 11 | E-mail Address | The permit holder's e-mail address |
| 12 | Name | Name of addressee |
| 13 | Permit Publication Number | The number of the permit or publication |
| 14 | Permit Publication Type | The type of permit or publication:<br>• PI – Permit Imprint<br>• MT – Metered Tape<br>• PC – Precanceled Stamps<br>• BR – Business Reply<br>• PE – Periodicals<br>• GH – Ghost |
| 15 | Permit_zip | Permit ZIP Code |
| 16 | Publication Title | Title of publication |
| 17 | Telephone | The permit holder's telephone number |
| 18 | Phone Extension | The permit holder's telephone extension |
| 19 | State | State |
| 20 | Street Address 1 | Street address |
| 21 | Street Address 2 | PO Box |
| 22 | Zip Plus 5 | 5-digit ZIP Code |
| 23 | Zip Plus 4 | 4-digit extended ZIP Code |
| 24 | Finance Number | Finance number |


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Mailer address information

| Field Position | Name | Description |
|---|---|---|
| 25 | Name | Name of addressee |
| 26 | Address | Street address |
| 27 | City | City |
| 28 | Country Code | Postal country code |
| 29 | State | State |
| 30 | Zip Plus 5 | 5-digit ZIP Code |
| 31 | Zip Plus 4 | 4-digit extended ZIP Code |
| 32 | Telephone | The mailing agent's telephone number |
| 33 | Dun & Bradstreet No. | The Dun & Bradstreet Number (not currently populated—may be in the future) |
| 34 | Permit_zip | The zip of the permit or publication |

**Mailing information (Summary Record)**

| Field Position | Name | Description |
|---|---|---|
| 35 | Statement Sequence Number | Postage Statement Sequence Number uniquely associated with a postage statement |
| 36 | Form name | Name of the form |
| 37 | Form Type | Type of statement being sent:<br>• PE – Periodicals<br>• PM – Priority Mail®<br>• FC – First-Class Mail<br>• SM – Standard Mail<br>• BP – Bound Printed Matter<br>• PP – Parcel Post<br>• ML – Media / Library Mail |
| 38 | Stage | Current stage of the statement:<br>• UPD – indicates an "Actual" statement that has been submitted by the user but not verified.<br>• FIN – indicates a "Finalized" statement that has been verified.<br>• REV – indicates a statement that was previously finalized but is now reversed.<br>• CAN – indicates a statement that was never finalized and is currently canceled and unavailable for further modification. |
| 39 | Permit Publication Number | The number of the permit or publication |
| 40 | Permit Publication Type | The type of permit or publication:<br>• PI – Permit Imprint<br>• MT – Metered Tape<br>• PC – Precanceled Stamps<br>• BR – Business Reply<br>• PE – Periodicals<br>• GH – Ghost |


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| Field Position | Name | Description |
|---|---|---|
| 41 | Rate Type | The special rate that applies to the mail sent:<br>• R – Regular<br>• N – Nonprofit<br>• C – Classroom<br>• S – Science of Agriculture<br>• T – Priority Mail<br>• B – Bound Printed Matter<br>• P – Parcel Post<br>• L – Library Mail<br>• F – Media Mail<br>Periodicals:<br>• C – Classroom<br>• N – Nonprofit<br>• R – Regular<br>• S – Science of Agriculture<br>Priority Mail:<br>• T – Priority Mail<br>First-Class Mail:<br>• R – Regular<br>Standard Mail:<br>• R – Regular<br>• N – Nonprofit<br>Parcel Post:<br>P – Parcel Post<br>Bound Printed Matter:<br>B – Bound Printed Matter<br>Media Library Mail:<br>• L – Library<br>• F – Media Mail |
| 42 | Processing Category | • L – Letters<br>• F – Flats<br>• A – Automation Flats |
| 43 | Class | Mail class of the piece:<br>• 1 – First-Class Mail<br>• 2 – Periodicals<br>• 3 – Standard Mail<br>• 4 – Package Services |
| 44 | Mailing Date | Date on which the pieces are delivered to the Post Office.<br>NOTE: This is the date applicable to the postage rates. |
| 45 | Weight of a Single Piece | Weight of a single piece if the mailing is an identical–weight mailing |
| 46 | Special Fee | Total dollar amount of any special fees from a form 3540-S associated with this mailing. |
| 47 | Total Pieces | Total pieces in mailing |
| 48 | Total Weight | Total weight of mailing |


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| Field Position | Name | Description |
|---|---|---|
| 49 | Total Postage | Total postage of the mailing as calculated by the system |
| 50 | Automation Rate Pieces, Date of Address Matching and Coding | For Automation Rate Pieces, Date of Address Matching and Coding (DMM A950.3.0) (either the date in the format yyyy-mm-dd or the text "Not Available") |
| 51 | Enhanced Carrier Route Rate Pieces, Enter Date of Address Matching and Coding | Enhanced Carrier Route Rate Pieces, Enter Date of Address Matching and Coding (DMM A050.4.0) (either the date in the format yyyy-mm-dd or the text "Not Available") |
| 52 | CR_SEQ_DATE | CR sequencing date in M_POSTAGE_STATEMENT_SUM |
| 53 | Post Office Zip | Mailing facility |
| 54 | Activity Date | Date of last update |
| 55 | Finance Number | Finance number |
| 56 | Job Id | The Mail.dat Job ID for this job |
| 57 | JOB_PROVIDER_CODE | The Mail.dat provider code for this job |
| 58 | MAILING_FACILITY | The Mail.dat mailing facility for this job. |
| 59 | JOB_IDEA_VER | Version of the job |
| 60 | Origin | Job origin |
| 61 | Pallets | Number of pallets |
| 62 | Sacks | Number of sacks |
| 63 | Flat Trays | Number of flat trays |
| 64 | 2'EMM Trays | Number of 2'EMM Trays |
| 65 | 1'MM Trays | Number of 1'MM Trays (data for the number of containers starts here) |
| 66 | 2' MM Trays | Number of 2' MM Trays |
| 67 | Other | Number of other units (data for the number of containers ends here) |
| 68 | total_cost_parta | Total cost of part a |
| 69 | total_cost_partb | Total cost of part b |
| 70 | Total_cost_partc | Total cost of part c |
| 71 | Total_cost_partd | Total cost of part d |

## Computation Record

The computation records for the Mail.dat receipt indicate details of the postage statement calculation. While there is only one summary record, there may be one or more computation records belonging to a receipt. A single computation record is composed of 33 atomic fields of data. The details for the following computation records follow:

- Receipt Header Information
- Job Information
- Postage Computation Information—detailed calculations

**Receipt Header Information (Computation Record)**

| Field Position | Name | Description |
|---|---|---|


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| Field Position | Name | Description |
|---|---|---|
| 1 | Receipt Type | The text "postage-statement" |
| 2 | Version | The version number of the format: v.r (where v is the version and r is the revision number) for example, 1.0 |
| 3 | Date | A system-generated date in the format: yyyy-mm-dd |
| 4 | Postage Statement Type | The postage statement type, e.g., 3602-R |

**Job Information (Computation Record)**

| Field Position | Name | Description |
|---|---|---|
| 5 | Job ID | The Mail.dat Job ID for this job |
| 6 | File Number | A number that uniquely identifies the postage statement |

**Postage Computation Information (Detailed Calculations)**

| Field Position | Name | Description |
|---|---|---|
| 7 | Line Number | Line Number |
| 8 | Line Label | English name of the line on which the pieces would appear |
| 9 | Piece Rate | Rate applied per piece to the pieces with these characteristics |
| 10 | Unit Weight | Weight of a single piece on this line, in pounds, to 4 decimal places. For example: 1.2345<br>• Periodicals: 70 lbs (1120 oz)<br>• Priority Mail: 70 lbs (1120 oz)<br>• First-Class Mail:<br>  o Automation Letters: 0.2063 lbs (3.3 oz)<br>  o Automation Flats: 0.8125 lbs (13 oz)<br>  o Non-automation: 0.8125 lbs (13 oz)<br>• Standard Mail: 0.99999999 lbs (16 oz)<br>• Parcel Post 15 lbs (240 oz)<br>• Bound Printed: Matter: 15 lbs (240 oz)<br>• Media / Library Mail: 70 lbs (1120 oz) |
| 11 | Piece Postage | Total postage for the pieces on this line |
| 12 | Pound Postage | Total postage for the pounds on this line |

## D-2 Record Types and Record Format

This section provides details about the postage statement file's record type and format. For additional information about postal1.ini parameters, see the table in Sections 4.1.4, Downloading and Configuring the Windows Batch Processor or 4.1.5, Downloading and Configuring the UNIX Batch Processor.

**Record Type: postage-statement**

The *PostalOne!* system allows only batch processor users to receive Mail.dat transaction statements in the form of postage statement receipt files. The postage statement receipt file reports the statement calculation and the information used to arrive at it. It can be transmitted in two formats: XML and character delimited.

The following is the XML schema for Postage Statement Receipts:


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```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema targetNamespace="com.postagestatementwizard.data"
xmlns="com.postagestatementwizard.data"
xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
attributeFormDefault="unqualified">
   <xs:element name="PostageStatementData">
      <xs:annotation>
         <xs:documentation>Generic Postage Statement Form data
(ROOT)</xs:documentation>
      </xs:annotation>
      <xs:complexType>
         <xs:sequence>
            <xs:element name="postageStatementID" type="xs:string"
nillable="false">
               <xs:annotation>
                  <xs:documentation>USPS primary key</xs:documentation>
               </xs:annotation>
            </xs:element>
            <xs:element name="formType" nillable="false">
               <xs:annotation>
                  <xs:documentation>Processing Form Type</xs:documentation>
               </xs:annotation>
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="2"/>
                     <xs:enumeration value="SM"/>
                     <xs:enumeration value="FC"/>
                     <xs:enumeration value="PM"/>
                     <xs:enumeration value="BP"/>
                     <xs:enumeration value="PP"/>
                     <xs:enumeration value="ML"/>
                     <xs:enumeration value="PE"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="formNumber">
               <xs:annotation>
                  <xs:documentation>USPS form number</xs:documentation>
               </xs:annotation>
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="20"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element ref="MailerData" maxOccurs="4"/>
            <xs:element ref="MailingData"/>
            <xs:element ref="CertificationData"/>
            <xs:element ref="ContainerData" maxOccurs="unbounded"/>
            <xs:element ref="PeriodicalData" minOccurs="0"/>
            <xs:element ref="LineItemData" maxOccurs="unbounded"/>
            <xs:element ref="MailDat" minOccurs="0"/>
         </xs:sequence>
      </xs:complexType>
   </xs:element>
   <xs:element name="Phone">
      <xs:annotation>
         <xs:documentation>Global phone definition</xs:documentation>
      </xs:annotation>
      <xs:complexType>
         <xs:sequence>
```


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```
            <xs:element name="areaCode" nillable="false">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:minLength value="3"/>
                     <xs:maxLength value="3"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="prefix" nillable="false">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:minLength value="3"/>
                     <xs:maxLength value="3"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="exchange" nillable="false">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:minLength value="4"/>
                     <xs:maxLength value="4"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="extension" nillable="true">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="5"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
         </xs:sequence>
      </xs:complexType>
   </xs:element>
   <xs:element name="Address">
      <xs:annotation>
         <xs:documentation>Global address definition</xs:documentation>
      </xs:annotation>
      <xs:complexType>
         <xs:sequence>
            <xs:element name="address1" nillable="false">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="40"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="address2" nillable="true">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="40"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="city" nillable="true">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="40"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
```


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```
            <xs:element name="state" nillable="true">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="2"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="zip" type="ZIP" nillable="true"/>
            <xs:element name="zip4" nillable="true">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="4"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="country_code" nillable="true">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="2"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
         </xs:sequence>
      </xs:complexType>
   </xs:element>
   <xs:element name="MailerData" nillable="true">
      <xs:annotation>
         <xs:documentation>Global MailerData</xs:documentation>
      </xs:annotation>
      <xs:complexType>
         <xs:sequence>
            <xs:element name="mailerRole" nillable="false">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:minLength value="2"/>
                     <xs:maxLength value="2"/>
                     <xs:enumeration value="PU"/>
                     <xs:enumeration value="MO"/>
                     <xs:enumeration value="MA"/>
                     <xs:enumeration value="PH"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="name" type="xs:string" nillable="false"/>
            <xs:element ref="Phone"/>
            <xs:element ref="Address"/>
            <xs:element name="emailAddress" nillable="true">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="40"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="capsID" nillable="true">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="20"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="dunsNumber" nillable="true">
```


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```
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="20"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="permitNumber" nillable="true">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="20"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="permitType" nillable="true">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="2"/>
                  <xs:enumeration value="PI"/>
                  <xs:enumeration value="MT"/>
                  <xs:enumeration value="PE"/>
                  <xs:enumeration value="GH"/>
                  <xs:enumeration value="BR"/>
                  <xs:enumeration value="PC"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="permitZip" nillable="true">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="5"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="contactPerson" minOccurs="0">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="25"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="financeNumber" minOccurs="0">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="6"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
      </xs:sequence>
   </xs:complexType>
</xs:element>
<xs:element name="CertificationData">
   <xs:annotation>
      <xs:documentation>Global CertificationData</xs:documentation>
   </xs:annotation>
   <xs:complexType>
      <xs:sequence>
         <xs:element name="name" nillable="false">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="40"/>
               </xs:restriction>
```


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```
            </xs:simpleType>
         </xs:element>
         <xs:element ref="Phone"/>
      </xs:sequence>
   </xs:complexType>
</xs:element>
<xs:element name="ContainerData">
   <xs:annotation>
      <xs:documentation>Global ContainerData</xs:documentation>
   </xs:annotation>
   <xs:complexType>
      <xs:sequence>
         <xs:element name="containerType" nillable="false">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:enumeration value="tray1mm"/>
                  <xs:enumeration value="tray2mm"/>
                  <xs:enumeration value="tray2emm"/>
                  <xs:enumeration value="flat"/>
                  <xs:enumeration value="sack"/>
                  <xs:enumeration value="pallet"/>
                  <xs:enumeration value="other"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="containerNumber" type="xs:long" nillable="false"/>
      </xs:sequence>
   </xs:complexType>
</xs:element>
<xs:element name="PeriodicalData">
   <xs:annotation>
      <xs:documentation>Global PeriodicalData</xs:documentation>
   </xs:annotation>
   <xs:complexType>
      <xs:sequence>
         <xs:element name="publicationTitle">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="60"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="over10" type="xs:boolean"/>
         <xs:element name="rideAlong" type="xs:boolean"/>
         <xs:element name="issueDate" type="xs:date"/>
         <xs:element name="issueFrequency" type="xs:string"/>
         <xs:element name="editionCode" type="xs:string"/>
         <xs:element name="mailingType" type="xs:string"/>
         <xs:element name="numberIssues" type="xs:long"/>
         <xs:element name="advertisingPercent" type="xs:decimal"/>
         <xs:element name="sheetWeight" type="xs:decimal"/>
         <xs:element name="copyWeight" type="xs:decimal"/>
         <xs:element name="rideAlongWeight" type="xs:decimal"/>
         <xs:element name="totalCopies" type="xs:long"/>
         <xs:element name="statementType">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="1"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
```


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```
         <xs:element name="recipientType">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="1"/>
                  <xs:enumeration value="0"/>
                  <xs:enumeration value="1"/>
                  <xs:enumeration value="2"/>
                  <xs:enumeration value="3"/>
                  <xs:enumeration value="4"/>
                  <xs:enumeration value="5"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
      </xs:sequence>
   </xs:complexType>
</xs:element>
<xs:element name="LineItemData">
   <xs:annotation>
      <xs:documentation>Global LineItemData</xs:documentation>
   </xs:annotation>
   <xs:complexType>
      <xs:sequence>
         <xs:element name="section" nillable="false">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="1"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="lineNumber" minOccurs="0">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="3"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="lineLabel" minOccurs="0">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="80"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="rateCategory" nillable="false">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="2"/>
                  <xs:enumeration value="A"/>
                  <xs:enumeration value="B"/>
                  <xs:enumeration value="D"/>
                  <xs:enumeration value="E"/>
                  <xs:enumeration value="F"/>
                  <xs:enumeration value="G"/>
                  <xs:enumeration value="H"/>
                  <xs:enumeration value="J"/>
                  <xs:enumeration value="K"/>
                  <xs:enumeration value="L"/>
                  <xs:enumeration value="L1"/>
                  <xs:enumeration value="L2"/>
                  <xs:enumeration value="L3"/>
                  <xs:enumeration value="L4"/>
```


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```
            <xs:enumeration value="N"/>
            <xs:enumeration value="O"/>
            <xs:enumeration value="P"/>
            <xs:enumeration value="Q"/>
            <xs:enumeration value="S"/>
            <xs:enumeration value="X"/>
            <xs:enumeration value="Y"/>
            <xs:enumeration value="Z"/>
            <xs:enumeration value="Z1"/>
            <xs:enumeration value="Z2"/>
         </xs:restriction>
      </xs:simpleType>
   </xs:element>
   <xs:element name="singlePieceWeight" type="xs:decimal"/>
   <xs:element name="totalPieces" type="xs:long" nillable="false"/>
   <xs:element name="totalWeight" type="xs:decimal" nillable="true"/>
   <xs:element name="entryDiscount" nillable="false">
      <xs:simpleType>
         <xs:restriction base="xs:string">
            <xs:maxLength value="1"/>
            <xs:enumeration value="N"/>
            <xs:enumeration value="B"/>
            <xs:enumeration value="S"/>
            <xs:enumeration value="D"/>
            <xs:enumeration value="A"/>
            <xs:enumeration value="P"/>
            <xs:enumeration value="Q"/>
         </xs:restriction>
      </xs:simpleType>
   </xs:element>
   <xs:element name="barcodeRate" nillable="false">
      <xs:simpleType>
         <xs:restriction base="xs:string">
            <xs:maxLength value="1"/>
            <xs:enumeration value="Y"/>
            <xs:enumeration value="N"/>
            <xs:enumeration value="O"/>
         </xs:restriction>
      </xs:simpleType>
   </xs:element>
   <xs:element name="surchargeType" nillable="false">
      <xs:simpleType>
         <xs:restriction base="xs:string">
            <xs:maxLength value="1"/>
            <xs:enumeration value="N"/>
            <xs:enumeration value="R"/>
            <xs:enumeration value="Q"/>
            <xs:enumeration value="O"/>
            <xs:enumeration value="S"/>
            <xs:enumeration value="2"/>
         </xs:restriction>
      </xs:simpleType>
   </xs:element>
   <xs:element name="zone" nillable="false">
      <xs:simpleType>
         <xs:restriction base="xs:string">
            <xs:maxLength value="2"/>
            <xs:enumeration value="N"/>
            <xs:enumeration value="LC"/>
            <xs:enumeration value="1"/>
            <xs:enumeration value="2"/>
```


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```
                  <xs:enumeration value="3"/>
                  <xs:enumeration value="4"/>
                  <xs:enumeration value="5"/>
                  <xs:enumeration value="6"/>
                  <xs:enumeration value="7"/>
                  <xs:enumeration value="8"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="pieceRate" type="xs:decimal"/>
         <xs:element name="poundRate" type="xs:decimal"/>
         <xs:element name="postageAmount" type="xs:decimal"/>
         <xs:element name="preparedAsSM" type="xs:boolean"/>
         <xs:element name="heavyLetterIndicator" type="xs:boolean"/>
         <xs:element name="entryFacilityType">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="1"/>
                  <xs:enumeration value="N"/>
                  <xs:enumeration value="B"/>
                  <xs:enumeration value="S"/>
                  <xs:enumeration value="D"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="entryZip" type="ZIP"/>
      </xs:sequence>
   </xs:complexType>
</xs:element>
<xs:element name="MailingData">
   <xs:annotation>
      <xs:documentation>Global MailingData</xs:documentation>
   </xs:annotation>
   <xs:complexType>
      <xs:sequence>
         <xs:element name="mailingDate" type="xs:date" nillable="false"/>
         <xs:element name="postOfficeOfMailingZip" type="ZIP"/>
         <xs:element name="postagePaymentMethod" nillable="false">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="1"/>
                  <xs:enumeration value="P"/>
                  <xs:enumeration value="S"/>
                  <xs:enumeration value="M"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="processingCategory" nillable="false">
            <xs:simpleType>
               <xs:restriction base="xs:string">
                  <xs:maxLength value="2"/>
                  <xs:enumeration value="LT"/>
                  <xs:enumeration value="FL"/>
                  <xs:enumeration value="CD"/>
                  <xs:enumeration value="MP"/>
                  <xs:enumeration value="IR"/>
                  <xs:enumeration value="PF"/>
               </xs:restriction>
            </xs:simpleType>
         </xs:element>
         <xs:element name="rateType" nillable="false">
```


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```
   <xs:simpleType>
      <xs:restriction base="xs:string">
         <xs:maxLength value="1"/>
         <xs:enumeration value="R"/>
         <xs:enumeration value="N"/>
         <xs:enumeration value="C"/>
         <xs:enumeration value="S"/>
         <xs:enumeration value="T"/>
         <xs:enumeration value="B"/>
         <xs:enumeration value="P"/>
         <xs:enumeration value="L"/>
         <xs:enumeration value="F"/>
      </xs:restriction>
   </xs:simpleType>
</xs:element>
<xs:element name="singlePieceWeight" type="xs:decimal"/>
<xs:element name="federalAgencyCostCode">
   <xs:simpleType>
      <xs:restriction base="xs:string">
         <xs:maxLength value="20"/>
      </xs:restriction>
   </xs:simpleType>
</xs:element>
<xs:element name="statementSequenceNumber">
   <xs:simpleType>
      <xs:restriction base="xs:string">
         <xs:maxLength value="20"/>
      </xs:restriction>
   </xs:simpleType>
</xs:element>
<xs:element name="sackingBasis" nillable="true">
   <xs:simpleType>
      <xs:restriction base="xs:string">
         <xs:maxLength value="1"/>
         <xs:enumeration value="0"/>
         <xs:enumeration value="1"/>
         <xs:enumeration value="2"/>
         <xs:enumeration value="3"/>
         <xs:enumeration value="4"/>
      </xs:restriction>
   </xs:simpleType>
</xs:element>
<xs:element name="packagingMethod" nillable="true">
   <xs:simpleType>
      <xs:restriction base="xs:string">
         <xs:maxLength value="1"/>
         <xs:enumeration value="0"/>
         <xs:enumeration value="1"/>
         <xs:enumeration value="2"/>
      </xs:restriction>
   </xs:simpleType>
</xs:element>
<xs:element name="enclosedBy" nillable="true">
   <xs:simpleType>
      <xs:restriction base="xs:string">
         <xs:maxLength value="2"/>
         <xs:enumeration value="SM"/>
         <xs:enumeration value="PE"/>
         <xs:enumeration value="BP"/>
         <xs:enumeration value="PP"/>
         <xs:enumeration value="ML"/>
```


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```
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="automationAddressMatchDate" type="xs:date"/>
            <xs:element name="carrierRouteSequencingDate" type="xs:date"/>
            <xs:element name="carrierRouteAddressMatchDate" type="xs:date"/>
            <xs:element name="postageAffixedPieces" type="xs:long"/>
            <xs:element name="postageAffixedAmount" type="xs:decimal"/>
            <xs:element name="specialFeesAmount" type="xs:decimal"/>
            <xs:element name="registerOfMailing" type="xs:boolean"/>
            <xs:element name="experimentalIndicator" type="xs:boolean"/>
            <xs:element name="totalPieces" type="xs:long"/>
            <xs:element name="totalWeight" type="xs:decimal"/>
            <xs:element name="totalPostage" type="xs:decimal"/>
            <xs:element name="federalAgencyCode">
               <xs:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="20"/>
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="internationalInboundIndicator" type="xs:boolean"/>
         </xs:sequence>
      </xs:complexType>
   </xs:element>
   <xs:simpleType name="ZIP">
      <xs:annotation>
         <xs:documentation>Global ZIP type</xs:documentation>
      </xs:annotation>
      <xs:restriction base="xs:string">
         <xs:maxLength value="5"/>
      </xs:restriction>
   </xs:simpleType>
   <xs:element name="MailDat">
      <xs:annotation>
         <xs:documentation>Global MailDat data</xs:documentation>
      </xs:annotation>
      <xs:complexType>
         <xs:sequence>
            <xs:element name="jobID" type="xs:string"/>
            <xs:element name="providerCode" type="xs:string"/>
            <xs:element name="mailingFacility" type="xs:string"/>
            <xs:element name="ideaVersion" type="xs:string"/>
         </xs:sequence>
      </xs:complexType>
   </xs:element>
</xs:schema>
```



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# Appendix E. Error Messages

This appendix contains a list of error messages generated during manual or batch file processing. Error messages may appear in one or more of the following places:

- In the Validation.log file. By default, the file is on your machine in C:\Validation.log. This option is only available to manual file processing users.
- In the Transfer Summary Report. On the left menu bar, click **File Transfer**, then click **Transfer Summary**. The Summary Report shows the status of all jobs. Click a failed job, and then click the name of the file with errors to see the error message. These messages are usually also in the Validation.log file. This option is available to all manual file transfer users with access to Preparer features in the *PostalOne!* system.
- In the batch processor logs. See Server#.log (# = 1 to n) for general status information, and User#.log (#1 = 1 to n) for transfer error messages containing the error codes and messages as shown in this section. This option is only available to batch processing users.
- In the Metrics Search. To view error messages, on the left menu bar, click **Metrics Search**. Search for the job if necessary. Click the **F** link for the failed job. The error report displays. This option is available to all users with access to Preparer features in the *PostalOne!* system.

## Data Issues

The following issues indicate a problem with the data in the files being transferred. Unless otherwise noted, your job may be fail if one of these errors is encountered. Generally, you must correct the error(s) before you will be able to successfully resubmit the file if you have a data issue. The issues have been separated by the specific type of information that has issues when possible.

### General Issues

Words in brackets and italics, such as [*number*], indicate a value automatically added to the error message by the *PostalOne!* system. For example, the maximum size of a specific field might be inserted if that maximum was exceeded.

**Table E-1. General Data Error Messages**

| Error Message | Notes |
|---|---|
| Null or Invalid File Number | This is only a warning message and will not cause a job to fail. Original file submissions may generate qualification reports, but Update submissions will fail to generate postage statements. |
| Finance Number was not found. | |
| Invalid or null finance number | |
| Finance number is NULL | |
| Null finance number for Qualification Report Preparer. | |
| File not allowed to be submitted with an 'Update' job. | |
| User Error: All file-level status flags in Header file are not identical. | |
| User Error: At least one file-level status flag in Header file was not accepted. | |
| User Error: Record count for a required file is set to '0' in the Header file. | |


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| Error Message | Notes |
|---|---|
| User Error: The header record for this delete transaction contains non-zero counts for one or more mail.dat files (except the segment file) in this transaction. | |
| User Error: No update files found for the update job. | |
| User Error: The file name used by this mail.dat job is not allowed by the *PostalOne!* application. Please correct the file name and resubmit the job. For more information, please check the online documentation, or call the *PostalOne!* Customer Care Center. | File names must be alphanumeric and cannot include any special characters. |
| User Error: File failed - validation on the client. Please refer to the validation.log file for details. Please resubmit the job after correcting the validation errors. | |
| Error: An unknown file type was sent to the *PostalOne!* server. Please check your data files and retry this transaction. If the problem persists, please call the *PostalOne!* Customer Care Center. | |
| Server reported an Error ([*error number*]): No Original File found. | |
| Server reported an Error ([*error number*]): This job is closed. Please contact your local Detached Mail Unit (DMU)." | |
| Data Error([*error number*]): One or more duplicate records were found while processing this mail.dat job | |
| System Error: An attempt was made to re-insert a Mail.dat job that already exists in the *PostalOne!* database. Such transactions are not allowed by the *PostalOne!* application. | |
| Only one Post Office of Mailing can exist in a single segment. | |
| One or more duplicate records were found while processing this job. | |
| No record found for the update. | |
| This job is closed. Please contact your local Detached Mail Unit (DMU). | |
| User Error (5006): No original Mail.dat job was found for this update transaction. Please submit the original Mail.dat job first, and then resubmit this transaction. | |
| Nonvalid zero for value. | |
| A system error occurred while running an internal database stored procedure for this original job. | |
| A system error occurred while running an internal database stored procedure for this update job. | |
| A system error occurred while inserting the LEVEL IDs in the *PostalOne!* database. | |
| The updated piece count exceeds the total pieces in the initial file. | |
| Only one Post Office of Mailing can exist in a single segment. | |
| System Error: An error occurred while processing a database (SQL) transaction. | |
| System Error: Could not add new job to database. | |
| System Error: Unable to update the transaction status in the *PostalOne!* database. | |
| System Error: Unable to update the transaction status details in the *PostalOne!* database. | |
| System Error: Unable to update the file status details in the *PostalOne!* database. | |


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| Error Message | Notes |
|---|---|
| ORA-20001: EXITING WWS Data Submission Package - The updated piece count exceeds the total pieces in the initial file. Please call the *PostalOne!* Customer Care Center." | |
| ERROR database.DataBaseUpdate doUpdate.334 - stage failed com.usps.postal1.uploadsvr.servlet.maildat.stage.FatalMaildatFailure: Internal System Error: -1 Please call the *PostalOne!* Customer Care Center and report this error. | |
| User Error: Jobs with estimated or cancelled postage statements only can be deleted. Please correct the data of the mail.dat job and resubmit the job. | |
| ERROR - All file-level status flags are not identical in the Header file: [*name*]. | The file status claimed in the HDR record does not match the file status claimed in supporting files, such as the ATF record. |
| ERROR - In file [*name*] optional field [*name*] (Record #[*number*]:position [*#*]) contains invalid data. | |
| ERROR - In file [*name*] mandatory field "[*name*]" (Record #[*number*]:position [*numbers*]) contains invalid data. | |
| ERROR - In file [*name*] "[*field name*]" (Record #[*number*]:position [*number*]) contains invalid data. | |
| ORA-02291: integrity constraint (MAILDAT_P.M_CQT_051_M_CONT_SUM_FK) violated - parent key not found | A CSM record with a "T" container status update was sent following an "O" (Original) file transfer. Correct the container status. |
| User Error(3104): The Mail.dat version of this update does not match that of the original file. | |
| Only Mail.dat version 09-1 and 08-2 are currently supported. | |
| User Error(3106): The PostalOne! server was unable to load the job files. Please check the [*file name*] file data integrity. | |
| Segment [*number*]: Claimed rate [*rate*] is not authorized.<br>System Error(5030) All segments rejected for the job. Please call the *PostalOne!* Customer Care Center for more information. | |
| No data found. | |
| Cancelling (for WWS error): Cancellation # 2 confirmation # = '[*confirmation #*]' mailing group # = '[*ID*]' not canceled! Statement is not cancellable due to current status. It is finalized, reversed, or not-available for processing (Error code: -3) | |
| ORA-20001: EXITING WWS Data Submission Package - Multiple qualified MPA_UIDs found for [*list*] | |
| [*file name*] – [*date and time*] - ERROR: Invalid file name. | Verify file names do not include special characters, such as "-" or "/". |
| ORA-20001: EXITING WWS Data Submission Package – Invalid input on job [*Job ID*]. | |
| Container ship date before May 15, 2007 are not supported. See CSM Container ID(s): [*Container ID*] [*Container ID*] | The Container Ship Date (positions 101-108) of the .csm file is not a valid ship date. |


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## Permit/Mailer Information Issues

**Table E-2. Permit/Mailer Information Error Messages**

| Error Messages | Notes |
|---|---|
| PERMIT TYPE IS NULL | This is only a warning message and will not cause a job to fail. Original file submissions may generate qualification reports, but Update submissions will fail to generate postage statements. |
| Null permit no or permit type for Qualification Report Preparer | |
| Both permit no and usps pub no are NULL | |
| Permit holder or Publisher address is NULL for permit [*ID*] | The permit holder or publisher information in the Mail.dat file does not match the information on file. If all permit data in the Mail.dat file is correct, see USPS acceptance personnel about updating the permit information in the database. |
| Mailing cannot be accepted for the Permit supplied - please contact *PostalOne!* | |
| Permit was not found. | |
| Invalid Permit data. | |
| You do not have access to a permit to open a mailing group. If you feel this is incorrect, please contact *PostalOne!* with details. | |
| User Error ([*error number*]): The mailing facility ZIP+4 used in this mail.dat transaction is not associated with your user account. Please correct the ZIP+4 and resubmit the job. If the ZIP+4 is correct, then please call the *PostalOne!* Customer Care Center. | |
| The mailer role is required. | |
| The mailer role is invalid. | |
| The name is required. | |
| The name must be [*number*] characters or less. | |
| The name contains illegal meta-characters. | |
| Address line 1 is required. | |
| Address line 1 must be [*number*] characters or less. | |
| Address line 1 contains illegal meta-characters. | |
| Address line 2 must be [*number*] characters or less. | |
| Address line 2 contains illegal meta-characters. | |
| City must be [*number*] characters or less. | |
| City contains illegal meta-characters. | |
| State must be [*number*] characters or less. | |
| ZIP code is required. | |
| ZIP must be an [*number*] digit number. | |
| ZIP code must be numeric. | |
| ZIP 4 code must be a [*number*] digit number. | |
| ZIP 4 code must be numeric. | |
| The email address must be [*number*] characters or less. | |
| The email address contains illegal meta-characters. | |
| The Duns number must be [*number*] characters or less. | |


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| Error Messages | Notes |
|---|---|
| The Duns number contains illegal meta-characters. | |
| The phone number is required. | |
| The phone number area code is invalid. It must be a 3 digit number. | |
| The phone number area code is invalid. It must be numeric. | |
| The phone number prefix is invalid. It must be a 3 digit number. | |
| The phone number prefix is invalid. It must be a 3 digit number. | |
| The last 4 digits of the phone number are invalid. It must be a 4 digit number. | |
| The phone number extension must be [*number*] or less characters. | |
| The phone number extension is invalid. It must be numeric. | |
| The permit number is required. | |
| The permit type is invalid. | |
| The permit type is required. | |
| Preparer information is NULL. | |
| Either the Permit Number, or the USPS Pub Number must be populated in all mail.dat jobs. Both fields were blank in this transaction. Please populate the missing information and resubmit the job. | |
| Customer Group ID contains illegal meta characters | |
| Customer Group ID is invalid for the specified Mailing Group | |
| Preparer is required to validate Mailing Group. | |
| Preparer permit number is required. | |
| Preparer permit type contains illegal meta characters | |
| Invalid Mailing Group ID | |
| Mailing Group is closed | |
| Permit Number/Type is invalid for Mailing Group | |
| Customer Group ID is invalid for the specified Mailing Group | |
| The MailingAgent/Preparer section is required. | |
| The application fee for permit [*number*] in finance number [*number*] has not been paid. This permit may not be used to pay for a mailing until the application fee is paid. | |
| Post Office of Mailing ZIP code is required. | |
| Post Office of Mailing ZIP code must be numeric. | |
| Post Office of Mailing ZIP code must be a 5 digit number. | |
| Mailing group *[number]* closed by Upload Server. | |
| You do not have access to a permit to open a mailing group. If you feel this is incorrect, please contact PostalOne! with details. | |
| Permit Number is a required value and must contain a number value that is not a decimal, negative or zero. | |
| You do not have access to the mailing agent/preparer's permit. If you feel this is incorrect, please contact PostalOne! with details. | |
| Invalid Primary MPA ID in MCR record. Please correct the data of the mail.dat job and resubmit the job. | If the job updates an existing job, the MPA ID in the MCR record must have number submitted in the MPA - Unique Sequence/Grouping ID field (positions 9-18) of the original job. |


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| Error Messages | Notes |
|---|---|
| The MPA ID [*ID*] specified in the Primary MPA ID field of MPU/C – Relationship record ([*name*].mcr) doesn't exist in the Mailer Postage Account Record ([name].mpa). | If the job updates an existing job, the MPA ID in the MCR record must have number submitted in the MPA - Unique Sequence/Grouping ID field (positions 9-18) of the original job. |
| Permit holder or Publisher address is NULL for permit [*permit number*] [*USPS Publication number*] | |
| Additional Postage permit info not found. | |
| User Error: The Verification Facility ZIP+4 in Segment file used in this Mail.dat transaction is not associated with your user account. Please correct the Verification Facility ZIP + 4 and resubmit the job. If the Verification Facility ZIP+4 is correct, then please call the PostalOne! Customer Care Center.": | Verify that Verification Facility ZIP+4 (positions 137-145 of the .seg file) is present and is the correct ZIP Code+4. For example, your Verification Facility ZIP Code+4 might be "123451235". If the correct ZIP Code+4 was sent, contact the *PostalOne!* Customer Care Center to update your account. |

## Postage Statement Issues

**Table E-3. Postage Statement Error Messages**

| Error Messages | Notes |
|---|---|
| FORM TYPE IS NOT VALID | This is only a warning message and will not cause a job to fail. |
| Automation coding date has passed 180 day limit | This is only a warning message and will not cause a job to fail. |
| Invalid payment method | |
| Invalid rate category | |
| Invalid process category | |
| Invalid MPU weight. | Weight does not meet minimums or exceeds maximums for the class of mail. |
| A system error occurred while running an internal database stored procedure (total weight procedure). | |
| Preliminary Postage Statements cannot be created using a container that has already generated a Postage Statement. | |
| An error occurred (PS exception) while generating the postage statement for this transaction. | |
| One or more "segments" in this job could not be "deleted". Please call the *PostalOne!* Customer Care Center for more information. | |
| An error occurred (too many rows) while generating the postage statement for this transaction. | |
| Postage cannot be calculated for invalid postage statements. | |
| The Mailing Information section is required. | |
| MailingInfo is required to validate Mailing Group. | |
| Postage Statement is required to validate Mailing Group. | |
| Invalid postage statements cannot be submitted. | |
| Mailing Date is required. | |
| Processing Category is required. | |
| Invalid Processing Category. | |


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| Error Messages | Notes |
|---|---|
| Rate Type is required. | |
| Invalid Rate Type. | |
| The agency code must be [*number*] characters or less. | |
| The agency code contains illegal meta-characters. | |
| The agency cost code must be [*number*] characters or less. | |
| The agency cost code contains illegal meta-characters. | |
| The statement sequence number must be [*number*] characters or less. | |
| The statement sequence number contains illegal meta-characters. | |
| Invalid Enclosing Class. | |
| Mailing section could not be validated due to incomplete form. | |
| Form type is required. | |
| Invalid Form type. | |
| Postage Payment Method is required. | |
| Invalid Postage Payment Method. | |
| Mailings paid by Permit Imprint must have at least [*number*] pieces OR weigh at least [*number*] pounds. | |
| Repositionable note pieces for the mailing must be 0 for this postage statement. | |
| The Prepared as Standard Mail indicator should be set to false. | |
| Postage affixed amount for the mailing is required when payment method is postage affixed. | |
| Postage affixed amount for the mailing must not be less than 0. | |
| Postage affixed amount for the mailing must be 0 when payment method is permit imprint. | |
| The CAPS ID must be [*number*] characters or less. | |
| The CAPS ID contains illegal meta-characters. | |
| The Job ID must be [*number*] characters or less. | |
| The Job ID contains illegal meta-characters. | |
| Register of Mailing can only be included with an extended form. | |
| Invalid Entry Facility Type. | |
| Entry ZIP code is required for Register of Mailing. | |
| Entry ZIP code must be numeric. | |
| Entry ZIP code must be a 3 or 5 digit number. | |
| Entry Facility Type must be [*number*] when Register of Mailing is not submitted. | |
| Entry ZIP code must be empty when Register of Mailing is not submitted. | |
| No postage rate was found for this combination of inputs: [*list*] | |
| MailingInfo on Postage Statement was null, throwing UnitWeightCalculatorException. | Info required for calculating the unit weight on a postage statement was missing. |
| The Group Number and Confirmation Number should be numeric. | Possible error when canceling a postage statement. |


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| Error Messages | Notes |
|---|---|
| Value # in Segment record for Class is not yet supported. The segment [*ID*] is rejected. | In the SEG record, Class Defining Preparation (position 73) is set to an unsupported value. |
| Entry Point Discount Facility Type values Y and Z are not allowed. | |
| Rate level is not found in the RATES.VIEW_WWS_RATE_MAP table. | |
| Flats Machinability cannot be blank for the Outside County Periodical Flat pieces. | The MPU *Flats Machinability* field (position 118) cannot be blank if *Mail Piece Unit – Processing Category* is "FL". |
| ORA-20001: EXITING WWS Data Submission Package - Invalid MPU weight. | If sending a BPM mailing with bundles, ensure piece weight is not less than one pound. A defect currently rejects BPM bundles with piece weights less than a pound. |

## Periodicals Issues

The following issues only occur for Periodicals mailings.

**Table E-4. Periodicals Error Messages**

| Error Messages | Notes |
|---|---|
| Invalid advertisement percentage | This is only a warning message and will not cause a job to fail. The advertising percentage exceeds 100%. Check the CPT and MPU records to ensure advertising percentage is less than 100. Original file submissions may generate qualification reports, but Update submissions will fail to generate postage statements. |
| Periodical statement [*number*], was not found in group [*ID*] | |
| The Publisher section is required. | |
| Invalid periodical statements cannot be submitted. | |
| The cpt row associated with MCR Host Component ID "[*ID*]" does not contain an issue date." | |
| The cpt row associated with MCR Host Component ID "[*ID*]" could not be found." | |
| The Component ID: "[*ID*]" in the mcr file could not be found in the cpt file. | |
| The Issue Date is blank in both CPT and MPU files, but is required for Periodicals mailings. | |
| The MPU row with Job ID+Segment ID+MPU ID = "[*ID*]" could not be matched to a corresponding MCR row. | |
| Found Firm Bundle not less than one pound. Parcel rates for Pending Periodicals are not supported at this time. | A firm bundle is considered a single piece and restricted to the Standard Mail limit of one pound. |
| Combined Mail is not supported for Pending Periodical | |
| Invalid rate category, foreign rates not supported for pending periodicals. | For Periodicals mailings, foreign rates are not applicable for mailing dates after 5/14/2007. |


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| Error Messages | Notes |
|---|---|
| <*ID*> - <*file name*>.mcr - <*date*> - ERROR - 'Class Defining Preparation' field value in SEG record must be '2' in Pending Periodical Job ID: <Job *ID*> SEG ID:< SEG *ID*> | |
| <*ID*> - <*file name*>.mcr - <*date*> - ERROR - 'Permit Number' field is required for a pending periodical job in MPA record <*number*> of Job ID <*ID*> | |
| <*ID*> - <*file name*>.mcr - <*date*> - ERROR - 'Postage Payment Method' field is required to have a value 'T' for a pending periodical job in MPA record <*number*> of Job ID <*ID*> | |
| ERROR: In file <*filename*> MPU processing category must be LT, FL, or IR for Pending Periodicals. Parcel rates for Pending Periodicals are not supported at this time. | |
| ERROR: In file <*filename*> CPT processing category must be LT, FL, or IR for Pending Periodicals. Parcel rates for Pending Periodicals are not supported at this time. | |
| For Periodical statement <*number*> Periodicals can't have more than one version per statement | |
| International mail is not supported for Periodicals at this time - Job ID [*ID*] Container [*ID*] has container status 'R' and foreign zone '[*value*]' | For Periodicals in Original or Preliminary status, this is a warning message, and foreign pieces are not included in postage statement calculations. For Ready-to-Pay postage statements, files are rejected if foreign pieces are included. |
| User Error(5038): Periodical Enclosure rates are not supported with R-2006 Rate Case at this time. Please correct the data of the Mail.dat job and resubmit the job. | This applies to mailing dates (Container Ship Dates) between 5/14/2007 and 7/15/2007. Periodicals with firm bundles are not supported until a release after 7/15/2007. |
| Warning (-5036): International mail is not supported for Periodicals at this time – Foreign Periodical Zone in CQT record. | Only appears for Periodicals in Original or Preliminary status. Warns that a foreign zone value is in the *Zone* field of the CQT file. |
| User Error(5035): International mail is not supported for Periodicals at this time – Foreign Periodical Zone in CQT record. Please correct the data of the mail.dat job and resubmit the job. | Only appears for Ready-to-Pay Periodicals. Files have been rejected due to foreign zone in the *Zone* field of the CQT file. |
| No periodical statement was found. [ID: [*number*] ] | |
| Error: Invalid MPA ID '[*ID*]' for Periodical Container Charge Method – Job ID [*ID*] Segment ID [*ID*] | Multiple segments cannot use the same MPA ID. |
| Invalid MPA ID for Periodical Container Charge Method in SEG record. | |
| Error: Missing MPA ID for Periodical Container Charge Method – Job ID [*ID*] Segment ID [*ID*] | |
| User Error(5040): Invalid MPA ID for Periodical Container Charge Method in SEG record. Please correct the data of the mail.dat job and resubmit the job. | |
| User Error(5041): Missing MPA ID for Periodical Container Charge Method in SEG record. Please correct the data of the mail.dat job and resubmit the job. | |
| For Periodical Statement #<#> Issue Date is required for 3541. | *Issue Date* is missing in the CPT file. |


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| Error Messages | Notes |
|---|---|
| For out-of-county periodical machinable is required. | For out-of-county Periodicals, *Flats Machinability* in position 118 of the .mpu is required and cannot be blank. |
| Number of copies must be equal to number of pieces for non-Firm Bundle Package Level. | |
| MPA ID for Periodical Container Charge Method [*#*] in SEG record needs to have a USPS publication number. | |
| ORA-20001: EXITING WWS Data Submission Package - Invalid input on job. Invalid Package Level(s): Firm Bundles must have package_level "A". | If .pqt *Rate Category* is "FB", *Package Level* in position 33 of the .pqt must be set to "A". |
| For Rate Category FB, package level must be 'A'. | If .pqt *Rate Category* is "FB", *Package Level* in position 33 of the .pqt must be set to "A". |
| ORA-20001: EXITING WWS Data Submission Package - Firm Bundles must have package_level 'A'. | If .pqt *Rate Category* is "FB", *Package Level* in position 33 of the .pqt must be set to "A". |
| ORA-20001: EXITING WWS Data Submission Package - For firm bundles with nonincidental enclosures ready-to-pay is not supported at this time, check Container ID. | |
| ORA-20001: EXITING WWS Data Submission Package - Firm Bundles must have copies greater than pieces. The following CQT_DB_ID/PACKAGE_ID combinations are in error: [*list*] | |
| ORA-20001: EXITING WWS Data Submission Package - Firm Bundles cannot have zero total pieces. Check the following CQT_DB_ID/PACKAGE_ID: [*list*] | |
| ORA-20001: EXITING WWS Data Submission Package - Firm Bundles are only allowed for Outside County. Check the following CQT_DB_ID/PACKAGE_ID: [*list*] | |
| For Periodical Statement #[*#*]: Invalid Recipient Type (Value [*#*]). | The mailing may have a mixture of *Sub/Non-Sub/Requester Indicator* (.cqt position 38) values within one postage statement. Verify this field is uniform for all .cqt files in a single postage statement. Validation on this field is case-sensitive, and may also reject the file if lowercase letters are used instead of uppercase. |
| For Periodical Statement #[*#*] – For Outside-County, the number of pound-rate copies must equal the number of piece-rate copies. | Verify pound-rate copies is equal to the piece-rate copies claimed. If that is equal, verify Periodicals: *Sub/Non-Sub/Requester Indicator* (.cqt position 38) is "O" for non-Periodicals mailings, and "S", "N", or "R" for a Periodicals mailing. "O" is not valid for Periodicals. |
| No mapping records found for non-incidental enclosures [*list*] – M_WWS_ENCLOSURE_RATES. | |
| Rate Type Limited Circulation claimed but Permit Type not applicable. | |
| Rate Type Limited Circulation claimed but Permit Rate Type not applicable. | The permit used for the mailing lacks the special authorization required for the discount. |
| Rate Type Limited Circulation claimed but Outside-County copies for this postage statement exceed 5000 copies. | Mailings must have less than 5000 copies to qualify for a limited circulation discount. |


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| Error Messages | Notes |
|---|---|
| Warning(-5063): No estimated postage statements available at this time for Mail.dat Pending Periodicals preliminary container status with Nonprofit rates. Please correct the data of the mail.dat job and resubmit the job. | This is only a warning message and will not cause a job to fail. |
| User Error(5056): Mail.dat Pending Periodicals ready-to-pay container status for Nonprofit rates is not supported at this time. Please correct the data of the mail.dat job and resubmit the job. | |
| Warning(-5064): Mail.dat Pending Periodicals ready-to-pay container status for Classroom rates is not supported at this time. Please correct the data of the mail.dat job and resubmit the job. | |
| User Error(5057): Mail.dat Pending Periodicals ready-to-pay container status for Classroom rates is not supported at this time. Please correct the data of the mail.dat job and resubmit the job. | |
| Warning(-5065): Mail.dat Pending Periodicals ready-to-pay container status for Science of Agriculture rates is not supported at this time. Please correct the data of the mail.dat job and resubmit the job. | |
| User Error(5058): Mail.dat Pending Periodicals ready-to-pay container status for Science of Agriculture rates is not supported at this time. Please correct the data of the mail.dat job and resubmit the job. | |
| Warning(-5066): No estimated postage statements available at this time for Mail.dat Pending Periodicals preliminary container status with non-incidental enclosures. Please correct the data of the mail.dat job and resubmit the job. | This is only a warning message and will not cause a job to fail. |
| User Error(5059): Mail.dat Pending Periodicals ready-to-pay container status for non-incidental enclosures is not supported at this time. Please correct the data of the mail.dat job and resubmit the job. | |
| Warning(-5067): No estimated postage statements available at this time for Mail.dat Pending Periodicals preliminary container status with incidental enclosures. Please correct the data of the mail.dat job and resubmit the job. | This is only a warning message and will not cause a job to fail. |
| User Error(5060): Mail.dat Pending Periodicals ready-to-pay container status for incidental enclosures is not supported at this time. Please correct the data of the mail.dat job and resubmit the job. | |
| Warning(-5068): No estimated postage statements available at this time for Mail.dat Pending Periodicals preliminary container status with combined mail containing both pending and approved Periodicals. Please correct the data of the mail.dat job and resubmit the job. | This is only a warning message and will not cause a job to fail. |
| User Error(5061): Mail.dat Pending Periodicals ready-to-pay container status for combined mail is not supported at this time. Please correct the data of the mail.dat job and resubmit the job. | |


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| Error Messages | Notes |
|---|---|
| User Error(5062): Mail.dat Periodicals combined mail containing both pending and approved Periodicals ready-to-pay container status is not supported at this time. Please correct the data of the mail.dat job and resubmit the job. | |

## Postage Statement Line Item Issues

**Table E-5. Postage Statement Line Item Error Messages**

| Error Messages | Notes |
|---|---|
| Carrier route coding date has passed 90 day limit | This is only a warning message and will not cause a job to fail. |
| Carrier route sequencing date has passed 180 day limit | This is only a warning message and will not cause a job to fail. |
| Invalid destination zone | This is only a warning message and will not cause a job to fail. |
| The Line item section is required. | |
| The Line item summary section should not be included. | |
| The Line item summary section is required. | |
| The Line item section should not be included. | |
| The Special Service summary section should not be included. | |
| The Special Service detail section should not be included. | |
| Special service amount, for service [*name*] greater than the calculated max of: [*amount*]. | |
| Special service amount, for service [*name*], is less than the calculated minimum of: [*amount*] | |
| Line item summary [*name*] is a duplicate. | |
| A null line item summary entry is not valid. | |
| The single piece weight for the line item is not the same as the single piece weight specified for the postage statement. | |
| The single piece weight for the line item is required. | |
| Total Weight in the line item is required. | |
| Total Weight for the line item must equal the single piece weight * total pieces. | |
| Total Weight in the line item must not be less than 0. | |
| Total Weight must not be more precise then [*number*] decimal places. | |
| Total Pieces in the line item must not be less than 0. | |
| Total Pieces in the line item are required. | |
| A null line item is not valid. | |
| Rate Category is required for each line item. | |
| For Postage Statement [*number*], Invalid Rate Category. | If the job is a Pending Periodicals job, ensure no foreign pieces are included. Other invalid rate categories may also cause this message. For example, values Q, R, X, T, U or G in the *Zone* field of the CQT file are not supported for Ready-to-Pay containers, and cause file failure. |


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| Error Messages | Notes |
|---|---|
| Entry Discount is required for each line item. | |
| Invalid Entry Discount. | |
| Barcode Rate is required for each line item. | |
| Invalid Barcode Rate. | |
| Surcharge is required for each line item. | |
| Invalid Surcharge. | |
| Zone is required for each line item. | |
| Invalid Zone. | |
| Postage Amount must be set to zero. | |
| Pound Rate must be set to zero. | |
| Piece Rate must be set to zero. | |
| Eligibility for discounted rates requires at least 500 pieces. | First-Class Mail only. |
| Piece Postage must be set to zero. | |
| Piece Postage must be greater than or equal to zero. | |
| Pound Postage must be set to zero. | |
| Pound Postage must be greater than or equal to zero. | |
| Repositionable note pieces for the mailing must be greater than/equal to 0. | |
| Repositionable note pieces must not exceed total pieces for the mailing. | |
| Repositionable note pieces for the mailing must be 0 for this postage statement. | |
| Single piece weight must be a positive number. | |
| Single piece weight must not be more precise then [*number*] decimal places. | |
| Single piece weight must be between [*minimum*] and [*maximum*] pounds. | |
| Single piece weight for some line items must be between [*minimum*] and [*maximum*] pounds. | |
| Invalid average piece weight for a line must be between 0.00001 and 15.0000 | Bound Printed Matter only. |
| Weight Break Type is required for each line item. | |
| Invalid Weight Break Type. | |
| Heavy Letter should be set to false for each line item. | |
| Line item single piece weight is required for Register of Mailing. | |
| Dim Weight calculation can not be used for non-parcel items. Invalid combination of MPU processing category and MPU surcharge. | |
| Presort First Class letters can not exceed 3.3 oz. | |
| First Class letters can not exceed 3.5 oz. | |
| For Postage Statement #[*#*] [*value*] is an invalid Entry Discount. | |
| NO_DATA_FOUND when converting rate category and dest entry. | *Rate Category* and/or *Destination Entry* may be blank in the .cqt file. |
| ORA-20001: EXITING WWS Data Submission Package - No mapping records found for rate category [*list*] - M_RATES_RATE_CATEGORY_MAP [*date*] | Verify that *Periodicals: Not County/In County* (.cqt position 39) is not “O” for a Periodicals mailing. For non-Periodicals mailings, this field must be “O”. |


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## MLOCR Issues

The following errors are specific to MLOCR postage statements.

**Table E-6. MLOCR Error Messages**

| Error Messages | Notes |
|---|---|
| Segment record is null. | One and only one segment record is required for a MLOCR mailing. |
| List of container records in null. | |
| List of container records is empty. | |
| List of container quantity records in null. | |
| List of mail piece unit records in null. | |
| List of mail piece unit records is empty. | |
| List of component records to validate weight of is null. | |
| List of component records to validate weight of is empty. | |
| More than one segment in mailing. | One and only one segment record is required for a MLOCR mailing. |
| First class mailing has unsupported processing category (must be cards, letters, or flats). For segment/mpu <*seg ID/MPU ID*>, <*category*> is not a valid processing category for a first class MLOCR mailing. | |
| Standard mail mailing has unsupported processing category (must be letter only). For segment/mpu<*seg ID/MPU ID*>, IR is not a valid processing category for a standard mail MLOCR mailing. | |
| Mailing is not first class or standard mail. | |
| Mailing has mixed classes. For segment/mpu <*seg ID/MPU ID*> MPU class <*number*> does not match <*number*>. | |
| Mailing has single piece rate category. For CQT database id <*ID*> rate category <S> is Single Piece. | |
| For container id <*ID*> container type <S> is not a tray. | |
| For segment/mpu <*seg ID*/*MPU ID*>, MP is not a valid processing category for a first class MLOCR mailing. | |
| Mailing has <*#*> cards/letters and <*#*> flats. | *Class Defining Preparation* and *Processing Category* do not match. |
| For segment/mpu<*seg ID*>/<*MPU ID*>, FL is not a valid processing category for a standard mail MLOCR mailing. | |
| MPU has invalid weight. For record (seg/mpu/class/weight) <*seg ID*/*MPU ID*/*class*/*weight*> precanceled stamps can only be used for 1 ounce pieces. | |
| MPU has invalid weight. For record (seg/mpu/class/weight) <seg *ID*/*MPU ID*/*class/weight*> first class cards and letters must be 3.3 ounces or less. | |
| MPU has invalid weight. For record (seg/mpu/class/weight) <*seg ID/MPU ID/class/weight*> first class flats must be 13 ounces or less. | |
| MPU has invalid weight. For record (seg/mpu/class/weight) <*seg ID/MPU ID/class/weight*> standard mail letter must be 3.3 ounces or less. | |
| MLOCR mailings with Metered or Pre-cancelled Stamp must have a Metered or Pre-cancelled stamp permit in position 58 of | The first MPA record in an MLOCR mailing must have a metered (MT) or |



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| | |
|---|---|
| the first record in the MPA file. | precancelled stamp (PC) permit to authorize the mailing. |
| MLOCR mailings with Metered or Pre-cancelled Stamp must have a Permit Imprint or ADDPOS permit in position 58 of the second record in the MPA file. | The second MPA record in an MLOCR mailing must have a Permit Imprint (PI) or Additional Postage (ADDPOS) permit to pay for any additional postage due. |

## Container Issues

The following errors are specific to containers.

**Table E-7. Container Error Messages**

| Error Messages | Notes |
|---|---|
| The Container section is required! | |
| A system error occurred while running an internal database stored procedure (container quantity procedure). | |
| One or more containers in this shipment have previously been identified as having paid postage or ready to pay. Please correct the data of the mail.dat job and resubmit the job. | |
| The status of a container cannot be marked as 'paid' if not already marked as 'ready-to-pay'. | |
| One or more containers not marked as ready to pay have been flagged for a transportation update. | |
| User Error(5016): Invalid new value for the status of a cancelled or paid container. Please correct the data of the mail.dat job and resubmit the job. | |
| User Error: The only containers that may be canceled are those marked “Ready To Pay”. Please correct the data of the mail.dat job and resubmit the job. | |
| User Error: Only containers marked “Original” or “Preliminary” may be updated to “Ready to Pay”. Please correct the data of the mail.dat job and resubmit the job. | |
| An error occurred while canceling containers in this transaction. | |
| One or more containers in this shipment have been identified as canceled, marked ready to pay, or having paid postage. A "delete" transaction is not allowed for this job. | |
| The number of 1mm tray containers specified cannot be negative. | |
| The number of 2mm tray containers specified cannot be negative. | |
| The number of 2emm tray containers specified cannot be negative. | |
| The number of flat containers specified cannot be negative. | |
| The number of sack containers specified cannot be negative. | |
| The number of pallet containers specified cannot be negative. | |
| The number of other containers specified cannot be negative. | |
| There must be at least one container specified. | |
| A system error occurred while running an internal database stored procedure for sibling containers job. | |
| Invalid Sacking Basis. | |
| Invalid Packaging Basis | |
| The Customer Container ID contains illegal meta-characters. | |


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| Error Messages | Notes |
|---|---|
| The Customer Container ID must be [*number*] or less characters. | |
| The container display name contains illegal meta-characters. | |
| Parent Container (“[*parent Container ID*]") was not found. | |
| The “[*file extension*]” record count “*#*” as indicated in the “[*name*]" file do not match the actual number of record(s) “#” found in the "[*name*]" file. | |
| Container level values E, F, and L are not allowed. | |
| Container type [*type*] is not allowed. | |
| ORA-20001: EXITING WWS Data Submission Package - No mapping found for container_level for sacks/trays/pallets [*list*] - M_RATES_CONTAINER_LEVEL_MAP | Verify that containers, container level, and claimed rates are an allowed combination. |
| ORA-20001: EXITING WWS Data Submission Package - No CONTAINER records found in M_CONTAINER_BUNDLE_DETAIL. | |
| ORA-20001: EXITING WWS Data Submission Package - Bundles (excluding firm-bundles) must have copies=pieces. Check the following CQT_DB_ID/PACKAGE_ID: [*list*] | |
| User Error (5054): Invalid new value for the status of a deleted container. Please correct the data of the mail.dat job and resubmit the job. | |
| Invalid ContainerIds in the job. The following container ids failed during container deletion process:[*Container ID list*] | |

## Certification Issues

**Table E-8. Certification Error Messages**

| Error Messages | Notes |
|---|---|
| The Certification section is required. | |
| The signer name is required in the Certification section. | |
| The signer name must be [*number*] characters or less. | |
| The signer name contains illegal meta-characters. | |
| The signer phone number is required in the Certification section. | |
| The signer phone number area code is invalid. It must be a 3 digit number. | |
| The signer phone number area code is invalid. It must be numeric. | |
| The signer phone number prefix is invalid. It must be a 3 digit number. | |
| The signer phone number prefix is invalid. It must be numeric. | |
| The last 4 digits of the signer phone number are invalid. It must be a 4 digit number. | |
| The last 4 digits of the signer phone number are invalid. It must be numeric. | |

## Qualification Report Issues

**Table E-9. Qualification Error Messages**

| Error Messages | Notes |
|---|---|


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| Error Messages | Notes |
|---|---|
| For Qualification Report [*number*], Invalid Sortation level. | |
| Invalid qualification reports cannot be submitted. | |
| Form Type is required. | |
| Invalid Form Type. | |
| Preparation Date is required. | |
| Customer qualification report ID must have length <= "[*size*]" | |
| Preparer Permit Number is required. | |
| Permit Type is required. | |
| Invalid Permit Type. | |
| Post Office of Mailing ZIP code is required. | |
| The Presort SW Company contains illegal meta-characters. | |
| The Presort SW Company must be "[*size*]" or less characters. | |
| The Presort SW Product contains illegal meta-characters. | |
| The Presort SW Product must be "[*size*]" or less characters. | |
| The Presort SW Version contains illegal meta-characters. | |
| The Presort SW Version must be "[*size*]" or less characters. | |
| One or more DMM sections contain illegal meta-characters. | |
| One or more DMM sections are larger than "[*size*]" characters. | |
| Cumulative Postage is improperly set on one or more container detail items. It must be equal to the running total of postage. | |
| The Parent Container ID contains illegal meta-characters. | |
| The Parent Container ID must be "[*size*]" or less characters. | |
| Parent container ("[*Parent Container ID*]") was not found | |
| Customer Container ID is required. | |
| The Customer Container ID contains illegal meta-characters. | |
| The Customer Container ID must be "[*size*]" or less characters. | |
| The Customer Container ID must be unique for each container. | |
| The Container Display Name contains illegal meta-characters. | |
| Container Type is required. | |
| Invalid Container Type. | |
| The Container Barcode contains illegal meta-characters. | |
| The Container Barcode must be "[*size*]" or less characters. | |
| Destination ZIP code is required. | |
| Destination ZIP code must be 3, 5 or 6 characters. | |
| Destination ZIP code is not numeric: "[*ZIP Code*]" | |
| Processing Category is required. | |
| Invalid Processing Category. | |
| Sortation Level is required. | |
| Invalid Sortation Level: "[*Sortation Level*]" | |
| Entry Point ZIP code is required. | |
| Entry Point ZIP must be 3, 5 or 6 characters. | |
| Entry Point ZIP code is not numeric: "[*ZIP Code*]" | |
| Entry Point Facility Type is required. | |
| Invalid Entry Point Facility Type:"[*Facility Type*]" | |
| The Job ID must be "[*size*]" characters or less. | |


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| Error Messages | Notes |
|---|---|
| The Job ID contains illegal meta-characters. | |
| The Carrier-Route Number contains illegal meta-characters. | |
| The Carrier-Route Number must be "[*size*]" characters in length. | |
| Invalid Carrier-Route Number "[*Carrier Route Number*]". Check the first character to make sure it is valid. | |
| Invalid Carrier-Route Number"[*Carrier Route Number*]". The last "[*number*]" digits must be numbers | |
| Destination ZIP code is required. | |
| Destination ZIP code must be 3, 5 or 6 characters. | |
| Destination ZIP code is not numeric: "[*ZIP Code*]" | |
| Rate Level is required. | |
| Zone is required. | |
| Entry Discount Type is required. | |
| Invalid Entry Discount Type. | |
| Total Pieces should be a number greater than 0. | |
| Total Copies should be positive number. | |
| The Mail Start Seq No is required when submitting a batch manifest. | |
| The Mail Start Seq No should be blank when not submitting a batch manifest. | |
| The Mail Start Seq No contains illegal meta characters. | |
| The Mail Start Seq No must be "[*size*]" or less characters. | |
| The Mail End Seq No is required when submitting a batch manifest. | |
| The Mail End Seq No should be blank when not submitting a batch manifest. | |
| The Mail End Seq No contains illegal meta characters. | |
| The Mail End Seq No must be "[*size*]" or less characters. | |
| Postage should be a number greater than 0, when submitting a batch manifest. | |
| Postage should be blank or 0 when not submitting a batch manifest. | |
| Cumulative Postage should be a number greater than 0, when submitting a batch manifest. | |
| Cumulative Postage should be blank or 0 when not submitting a batch manifest. | |
| Qualification Report is required to validate Mailing Group. | |
| Preparer permit number is required. | |
| Preparer permit type contains illegal meta characters | |
| Customer Group ID contains illegal meta characters | |
| Invalid Mailing Group ID | |
| Mailing Group is closed | |
| Permit Number/Type/Zip is invalid for Mailing Group | |
| Unknown result from MailingGroupEJB.checkDocument() | |
| Customer Group ID is invalid for the specified Mailing Group | |
| Failed to retrieve Rate Level totals. | Database error. |


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| Error Messages | Notes |
|---|---|
| In a qualification report submission, the in-out county indicator must be populated. | Applies to all mail classes. For non-Periodicals, this value should be “O” (Other) in position 39 of the CQT file. |
| Piece Counts in the Qualification Report and the Postage Statement are not Equal. | |
| For Qualification Report #[*number*], Qualification Reports can't be submitted without containers | |

## User Authentication Issues

**Table E-10. User Authentication Error Messages**

| Error Messages | Notes |
|---|---|
| User does not have rights to view this Periodical Statements. If you think this is incorrect, please contact *PostalOne!*. | |
| User Error([*error number*]): User logon failed. Please check your user name and password and resubmit the job. | |
| Error: 'Temp User' is either missing or not valid in selected file. | May be a transmission error. |
| User logon failed. Please check your user name and password and resubmit the job. | |

## System Issues

The following issues indicate a problem with the way or method that files were transferred that caused your job to fail. Generally, these are hardware, software, or Internet connection issues. Some may result from incorrect data, but the majority do not.

Some error messages will suggest a specific step to resolve the error, such as checking the client.config file, resubmitting the job, or correcting data (if a data issue is involved) and then resubmitting. If one of these errors is encountered, you may want to:

- Verify your machine has the correct software and versions of the software.
- Verify any settings in your client.config file are correct. (Batch processing users only)
- Verify your Internet connection is available.
- Check the *PostalOne!* site to see if an outage has been posted.
- Verify your machine has sufficient memory for the size of the files you were trying to send.

**Table E-11. System Error Messages**

| Error Messages | Notes |
|---|---|
| An unknown protocol (other than HTTP/HTTPS) attempted to initiate communication with the *PostalOne!* server. If using the Batch Processor, please check your client.config file and resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center. | |
| A communication error occurred (a request other than 'POST' was used), while processing this transaction. | |
| A communication error occurred (unable to determine the content type values), while processing this transaction | |


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| Error Messages | Notes |
|---|---|
| The *PostalOne!* Database is temporarily unavailable (server can not connect to the database). Your transaction will be automatically processed when the *PostalOne!* Database is back online. | Do not resubmit the job if this message appears. |
| A database configuration error has occurred. | |
| The *PostalOne!* server was unable to forward this manifest file to PTS. | This may be a data issue. |
| An System Error occurred while processing this transaction. | |
| An System Error occurred while loading this Mail.dat transaction. | |
| An error occurred while processing the postage request. | |
| An error occurred while receiving the HDR file (*.hdr) for this transaction. | |
| An error occurred while receiving the SEG file (*.seg) for this transaction. | |
| An error occurred while receiving the MPU file (*.mpu) for this transaction. | |
| An error occurred while receiving the MCR file (*.mcr) for this transaction. | |
| An error occurred while receiving the MPA file (*.mpa) for this transaction. | |
| An error occurred while receiving the CPT file (*.cpt) for this transaction. | |
| An error occurred while receiving the CSM file (*.csm) for this transaction. | |
| An error occurred while receiving the ICL file (*.icl) for this transaction. | |
| An error occurred while receiving the CQT file (*.cqt) for this transaction. | |
| An error occurred while receiving the PQT file (*.pqt) for this transaction. | |
| An error occurred while receiving the WSR file (*.wsr) for this transaction. | |
| An error occurred while receiving the SNR file (*.snr) for this transaction. | |
| An error occurred while receiving the PLR file (*.plr) for this transaction. | |
| An error occurred while receiving the ICR file (*.icr) for this transaction. | |
| An error occurred while receiving the PAR file (*.par) for this transaction. | |
| An error occurred while receiving the MSR file (*.msr) for this transaction. | |
| An error occurred while receiving the MIR file (*.mir) for this transaction. | |
| An error occurred while receiving the SFR file (*.sfr) for this transaction. | |
| An error occurred while receiving the PDR file (*.pdr) for this transaction. | |
| | |
| | |
| An error occurred while receiving the IAK file (*.iak) for this transaction. | |
| System Error: An error occurred while receiving the SFR file (*.sfr) for this transaction. | |
| System Error: An error occurred while receiving the EVS file (*.evs) for this transaction. | Only occurs for mailers participating in the electronic Verification System (eVS) program. |
| Error on server while reading in HTTP input. | |
| System Error: Error on server while creating directories for file storage. | |
| System Error: None or partial received from input stream. | |
| System Error: Error on server writing file from input steam to file. | |
| System Error: Error occurred while assembling split file on server. | |
| System Error: An error occurred while re-assembling the mail.dat job on the *PostalOne!* server. | |


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| Error Messages | Notes |
|---|---|
| System Error: Server could not validate data from this application. | |
| Error: Unable to find one of the files for the submitted process. | |
| Unable to connect to server. | |
| No Response from server. | |
| Error parsing the Header file. | |
| System Error: An error occurred while reading one of the files in this mail.dat job. | |
| System Error: The *PostalOne!* server is temporarily unavailable. Please retry this transaction in ten minutes. If the problem persists, please call the *PostalOne!* Customer Care Center. | |
| Error: The *PostalOne!* server failed to receive the complete mail.dat files in this transaction. | |
| System Error: Client connection timed out. | |
| User Error: An attempt was made to connect to the *PostalOne!* server using an outdated batch process application. Please download the current version of the batch processor application from the *PostalOne!* web site, and then retry this transaction. | Update your batch processor software. Ensure your Java version is current as well to eliminate compatibility issues. |
| System Error occurred while splitting multiple job id files. | |
| System Error occurred while reading header file (*.hdr). | |
| System Error occurred while compressing file. | |
| System Error occurred while splitting files. | |
| System Error: Server is currently busy. | |
| System Error: A system error occurred in the *PostalOne!* application while locating a system resource. | |
| The 'Customer-ID' information is missing or invalid due to a transmission error. | This could also indicate data issues. |
| The 'Job-ID' information is missing or invalid due to a transmission error. | This could also indicate data issues. |
| Error: The 'Service Name' information is missing or invalid due to a transmission error. | This could also indicate data issues. |
| Error: The 'Service Date' information is missing or invalid due to a transmission error. | This could also indicate data issues. |
| Error: The 'File-ID' information is missing or invalid due to a transmission error. | This could also indicate data issues. |
| Error: The 'Location-Seq' information is missing or invalid due to a transmission error. | This could also indicate data issues. |
| Error: The 'Request-type' information is missing or invalid due to a transmission error. | This could also indicate data issues. |
| Error: The 'File-type' information is missing or invalid due to a transmission error. | This could also indicate data issues. |
| Error: The 'Client-type' information is missing or invalid due to a transmission error. | This could also indicate data issues |
| Error: The 'Password' information is missing or invalid due to a transmission error. | This could also indicate data issues |
| Error: The 'Username' information is missing or invalid due to a transmission error. | This could also indicate data issues |
| Error: The 'Filename' information is missing or invalid due to a transmission error. | This could also indicate data issues |


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| Error Messages | Notes |
|---|---|
| Error: The 'Mailing-facility' information is missing or invalid due to a transmission error. | This could also indicate data issues |
| Error: The 'Provider-code' information is missing or invalid due to a transmission error. | This could also indicate data issues |
| Error: The 'Checksum' information is missing or invalid due to a transmission error. | This could also indicate data issues |
| Error: The 'Job-type' information is missing or invalid due to a transmission error. | This could also indicate data issues |
| "WizardServiceLocatorException encountered looking for DataSource("[*name*]"). Message:" [*error message*]" | WWS could not locate the database data source. Text appended to error indicates specific error. |
| Can't process segments of deletion file | Possible error in a delete job |
| Failed to determine if postage statements exist for the job. | Possible error in a delete job |
| The Batch Processor application was unable to create the server log file, and will be aborted. Please make sure that sufficient disk space is available, and the application has the appropriate privileges. | |
| An internal error occurred in the Batch Processor application. Please call the *PostalOne!* Customer Care Center and report this incident. | |
| Unable to establish a connection with the *PostalOne!* Server. | |
| An Exception occurred while trying to send out email ("[*email address*]"), this email may not have been sent. | If the upload server fails to send a required email, this msg will be posted. |
| A system error has occurred. Please try again or contact PostalOne! [ID: [*error ID*] | This usually indicates a communication issue between the upload server and WWS validation server. Contact the Customer Care Center with the ID number. |
| System Error(2001): An System Error occurred while processing this transaction. Please call the PostalOne! Customer Care Center and report this error. | |
| ORA-04068: existing state of packages has been discarded | Can indicate a temporary database issue. Try resubmission of the job. |
| ERROR: Out Of memory Error | The Mail.dat job may need more memory to complete the file transfer process. To correct this for manual transfers, see Section 3.4.3. To correct this for batch transfers, see Section 4.1.8. |


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